

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117457.D
 Acq On : 21 Oct 2019 19:48
 Operator : JU
 Sample : K5146-14MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Manual Integrations
 APPROVED

mohammad
 10/22/2019 3:29:20 PM

Quant Time: Oct 22 02:19:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	66360	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	281462	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	150379	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	251709	20.00	ng	0.00
76) Chrysene-d12	13.90	240	201379	20.00	ng	0.00
87) Perylene-d12	15.33	264	184250	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	334202	74.92	ng	0.01
7) Phenol-d6	6.39	99	435845	72.75	ng	0.00
23) Nitrobenzene-d5	7.30	82	284882	49.97	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	101046	77.66	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	529140	49.58	ng	0.00
79) Terphenyl-d14	12.83	244	579642	46.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	43136	23.001	ng	# 83
3) Pyridine	3.27	79	92740m	20.201	ng	
4) n-Nitrosodimethylamine	3.16	42	45840	27.523	ng	95
6) Aniline	6.41	93	32739	4.655	ng	# 40
8) 2-Chlorophenol	6.53	128	131116	27.857	ng	96
9) Benzaldehyde	6.29	77	79448	24.413	ng	95
10) Phenol	6.40	94	154431	25.256	ng	# 66
11) bis(2-Chloroethyl)ether	6.47	93	122569	27.100	ng	99
12) 1,3-Dichlorobenzene	6.67	146	133115	25.343	ng	98
13) 1,4-Dichlorobenzene	6.75	146	135720	25.471	ng	98
14) 1,2-Dichlorobenzene	6.90	146	128268	25.538	ng	98
15) Benzyl Alcohol	6.89	79	121270	28.332	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.01	45	126954	26.020	ng	76
17) 2-Methylphenol	7.00	107	110623	28.570	ng	96
18) Hexachloroethane	7.24	117	52773	25.374	ng	97
19) n-Nitroso-di-n-propylamine	7.15	70	102235	27.942	ng	97
20) 3+4-Methylphenols	7.16	107	147214	28.998	ng	# 85
22) Acetophenone	7.15	105	198918	26.615	ng	95
24) Nitrobenzene	7.32	77	150820	27.619	ng	99
25) Isophorone	7.56	82	279124	28.301	ng	98
26) 2-Nitrophenol	7.63	139	68455	28.107	ng	93
27) 2,4-Dimethylphenol	7.68	122	113439	31.167	ng	96
28) bis(2-Chloroethoxy)methane	7.76	93	165918	27.263	ng	98
29) 2,4-Dichlorophenol	7.89	162	109918	28.792	ng	97
30) 1,2,4-Trichlorobenzene	7.96	180	107955	26.351	ng	98
31) Naphthalene	8.03	128	389724	27.935	ng	100
32) Benzoic acid	7.84	122	73961	29.667	ng	99
33) 4-Chloroaniline	8.10	127	20472	3.477	ng	98
34) Hexachlorobutadiene	8.15	225	60112	25.350	ng	98
35) Caprolactam	8.46	113	34611m	28.222	ng	
36) 4-Chloro-3-methylphenol	8.59	107	128249	29.456	ng	100
37) 2-Methylnaphthalene	8.73	142	267721	28.479	ng	99
38) 1-Methylnaphthalene	8.82	142	248450	28.126	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	102354	25.271	ng	99

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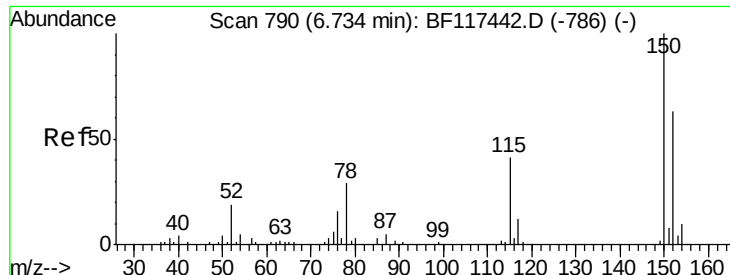
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.88	237	59055	61.094	nq	97
43) 2,4,6-Trichlorophenol	9.01	196	70613	27.840	nq	95
44) 2,4,5-Trichlorophenol	9.06	196	75595	29.412	nq	99
46) 1,1'-Biphenyl	9.19	154	315082	25.309	nq	98
47) 2-Chloronaphthalene	9.22	162	244044	25.999	nq	99
48) 2-Nitroaniline	9.32	65	78624	25.515	nq	90
49) Acenaphthylene	9.63	152	386370	28.023	nq	100
50) Dimethylphthalate	9.49	163	301768	28.149	nq	99
51) 2,6-Dinitrotoluene	9.56	165	63158	28.232	nq #	80
52) Acenaphthene	9.80	154	225928	26.709	nq	99
53) 3-Nitroaniline	9.73	138	20368	7.504	nq #	96
54) 2,4-Dinitrophenol	9.85	184	50645	56.146	nq	98
55) Dibenzofuran	9.97	168	344768	28.132	nq	99
56) 4-Nitrophenol	9.92	139	79478	64.457	nq	96
57) 2,4-Dinitrotoluene	9.97	165	85625	28.789	nq	85
58) Fluorene	10.32	166	284021	28.025	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	61140m	30.266	nq	
60) Diethylphthalate	10.19	149	306437	28.260	nq	100
61) 4-Chlorophenyl-phenylether	10.30	204	123481	27.157	nq	96
62) 4-Nitroaniline	10.35	138	61241	23.937	nq	96
63) Azobenzene	10.46	77	319231	28.759	nq	97
65) 4,6-Dinitro-2-methylphenol	10.39	198	38037	29.722	nq	95
66) n-Nitrosodiphenylamine	10.43	169	252148	27.402	nq	99
67) 4-Bromophenyl-phenylether	10.79	248	71501	26.373	nq	93
68) Hexachlorobenzene	10.87	284	75788	26.102	nq	90
69) Atrazine	10.96	200	80194	34.253	nq	97
70) Pentachlorophenol	11.07	266	67177	77.177	nq	96
71) Phenanthrene	11.27	178	402950	27.569	nq	99
72) Anthracene	11.33	178	429353	28.630	nq	98
73) Carbazole	11.49	167	396699	28.945	nq	99
74) Di-n-butylphthalate	11.81	149	522473	28.531	nq	99
75) Fluoranthene	12.46	202	435628	29.773	nq	99
77) Benzidine	12.59	184	45888	4.901	nq	97
78) Pyrene	12.69	202	436104	25.212	nq	99
80) Butylbenzylphthalate	13.30	149	228278	26.521	nq	97
81) Benzo(a)anthracene	13.89	228	367755	27.073	nq	98
82) 3,3'-Dichlorobenzidine	13.84	252	40899	9.595	nq #	97
83) Chrysene	13.92	228	359505	27.004	nq	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	340573	28.246	nq #	96
85) Di-n-octyl phthalate	14.48	149	573189	30.919	nq	100
86) Indeno(1,2,3-cd)pyrene	16.74	276	289068	29.083	nq	99
88) Benzo(b)fluoranthene	14.92	252	317440	29.176	nq	97
89) Benzo(k)fluoranthene	14.94	252	297540	26.682	nq	97
90) Benzo(a)pyrene	15.27	252	268883	27.181	nq	96
91) Dibenzo(a,h)anthracene	16.74	278	247061	28.884	nq	97
92) Benzo(g,h,i)perylene	17.15	276	238405	29.457	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

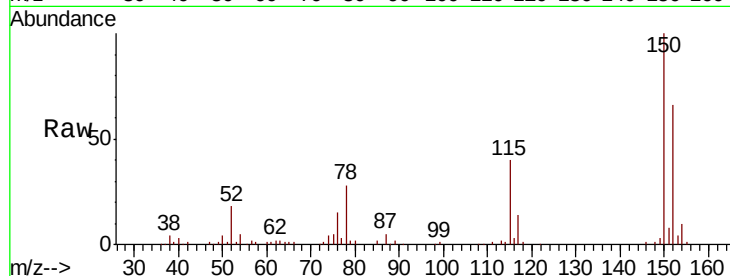
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	126.8	190.2
115	61.1	51.6	77.4

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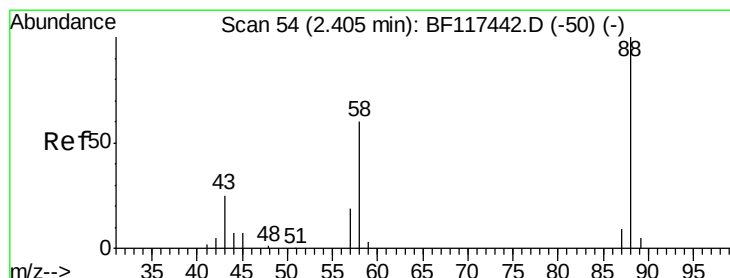
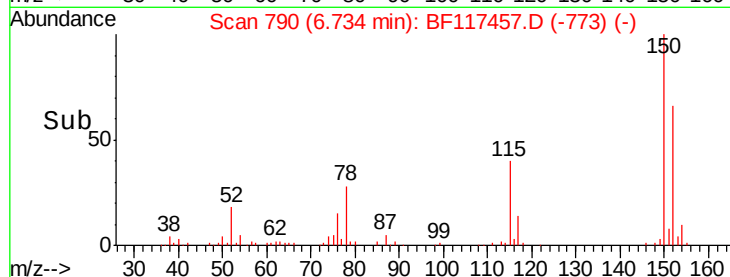
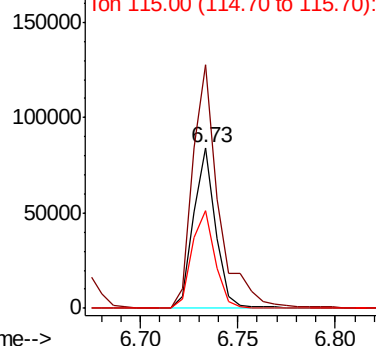


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

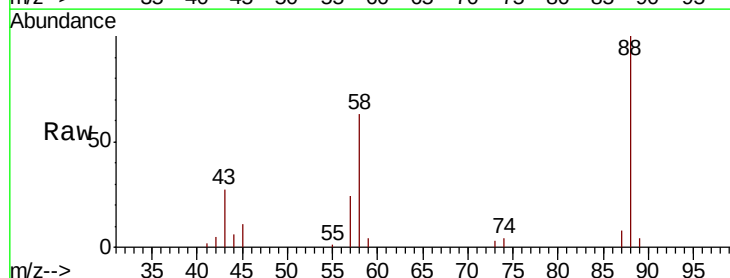
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 23.001 ng
RT: 2.55 min Scan# 78
Delta R.T. 0.14 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.2	48.8	73.2
43	0.0	18.5	27.7

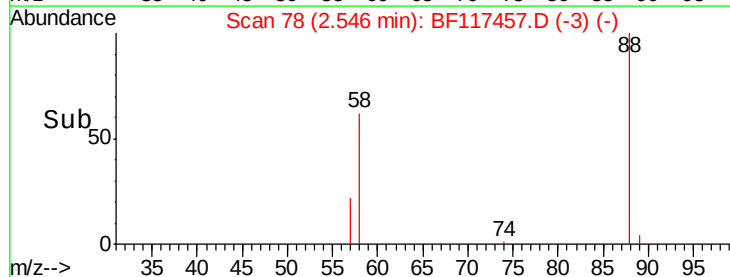
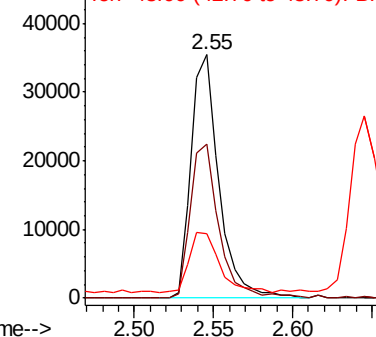


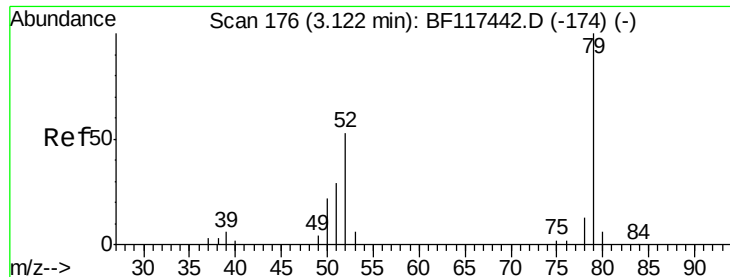
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 20.201 ng/ml

RT: 3.27 min Scan# 202

Delta R.T. 0.15 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

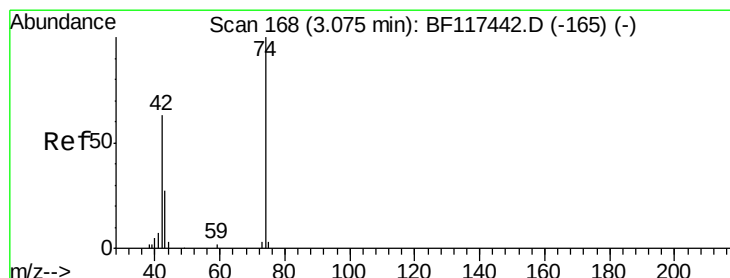
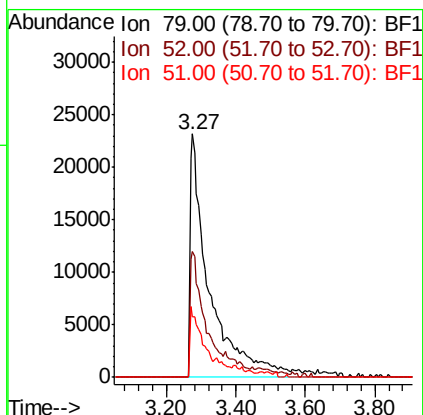
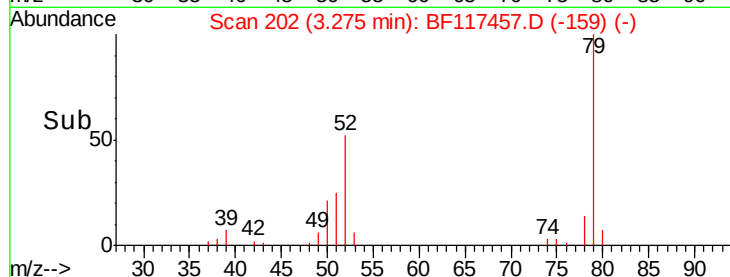
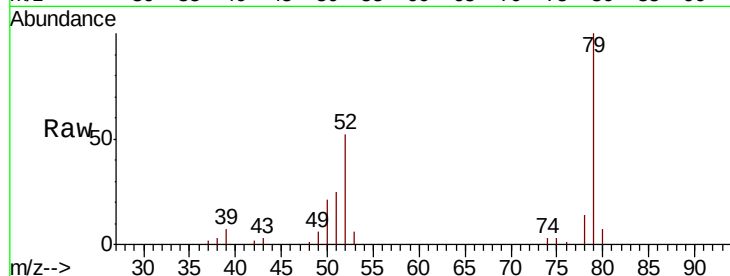
ClientSampleId :

CL-02-101819MSD

Tot Ion:	79	Resp:	92740
Ion	Ratio	Lower	Upper
79	100		
52	51.9	42.4	63.6
51	25.0	23.3	34.9

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#4

n-Nitrosodimethylamine

Concen: 27.523 ng/ml

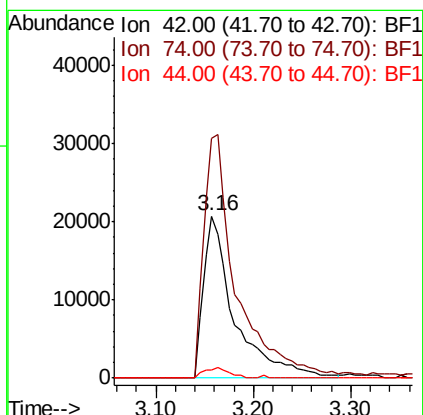
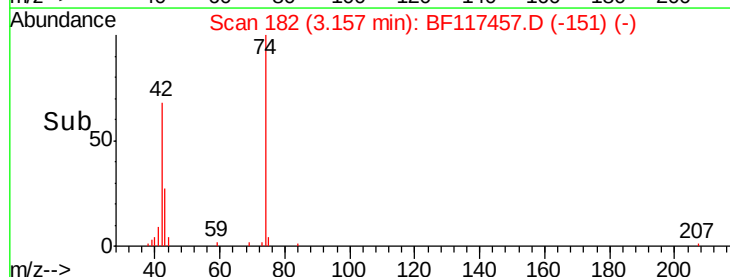
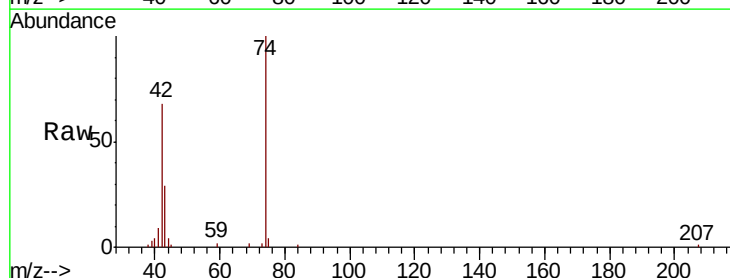
RT: 3.16 min Scan# 182

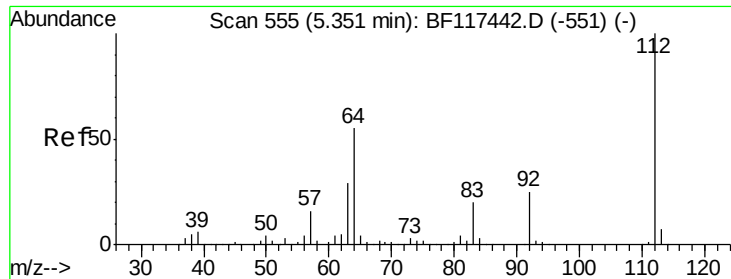
Delta R.T. 0.08 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Tgt Ion:	42	Resp:	45840
Ion	Ratio	Lower	Upper
42	100		
74	148.1	124.2	186.4
44	5.3	4.2	6.4





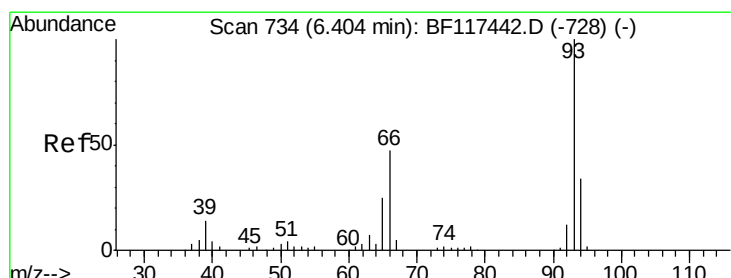
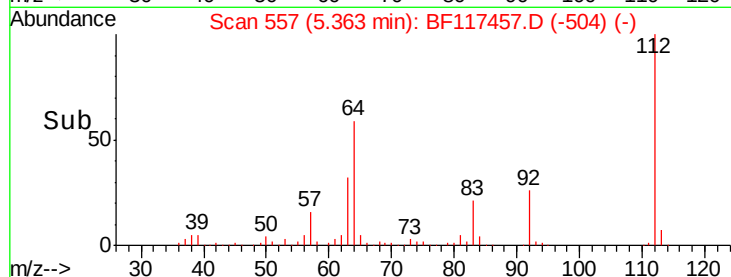
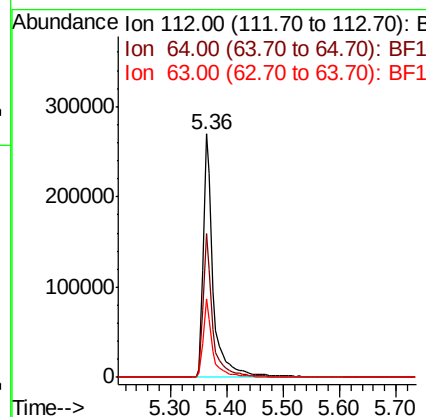
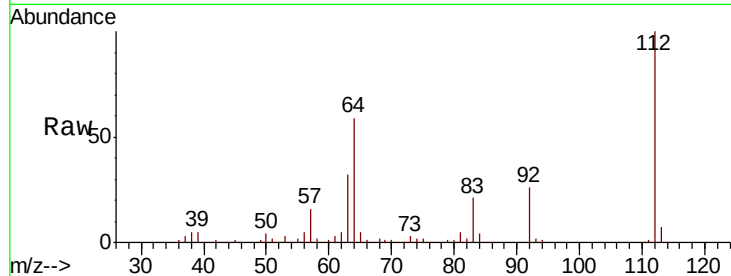
#5
2-Fluorophenol
Concen: 74.924 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
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ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	58.9	44.1	66.1
63	32.0	23.4	35.2

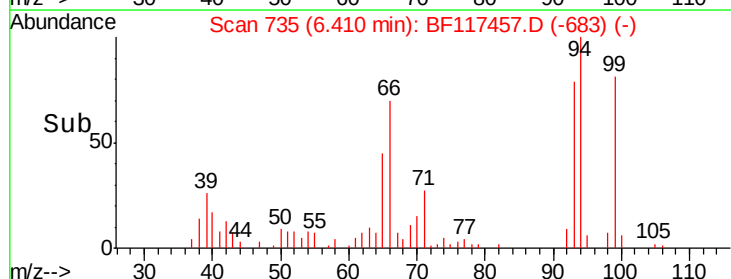
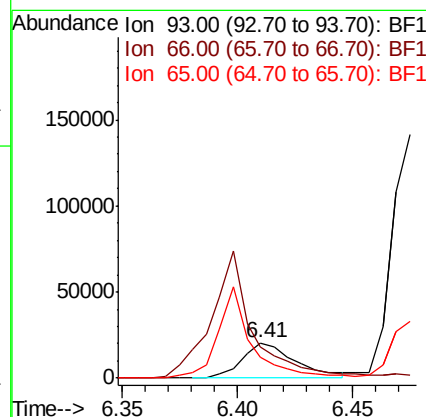
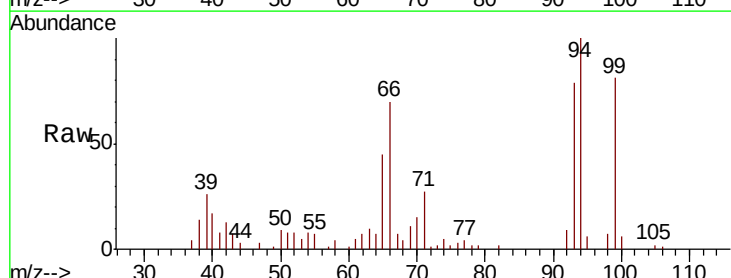
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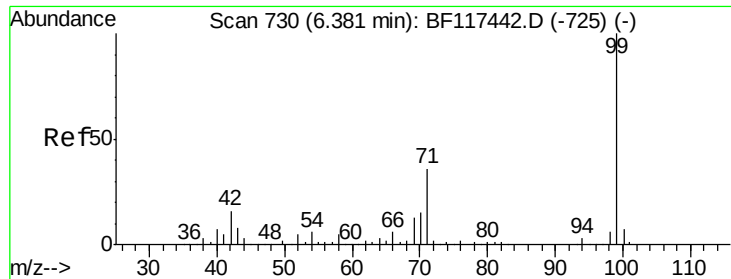
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#6
Aniline
Concen: 4.655 ng
RT: 6.41 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	87.8	38.7	58.1#
65	57.1	20.1	30.1#





#7

Phenol-d6

Concen: 72.749 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

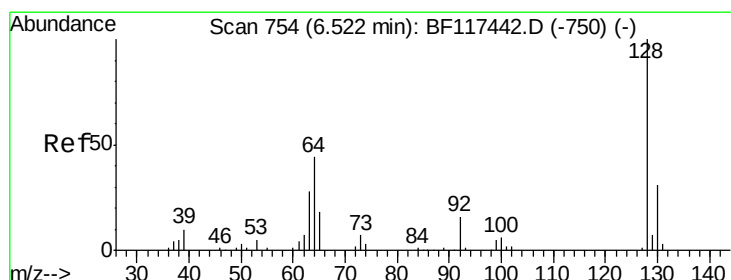
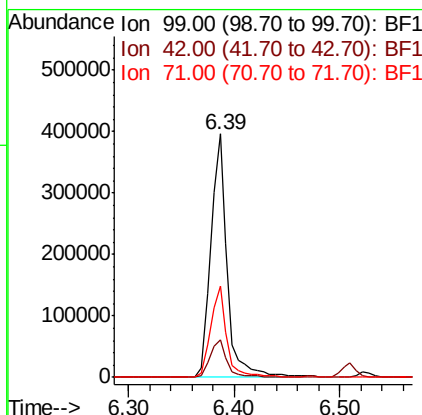
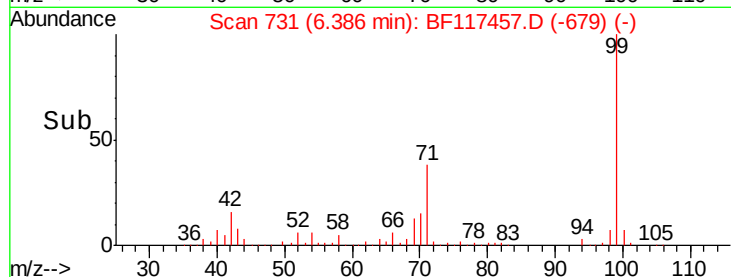
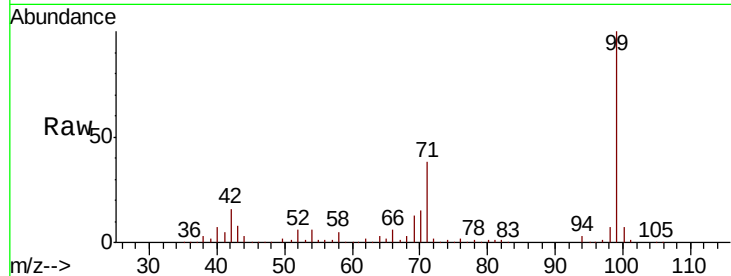
ClientSampleId :

CL-02-101819MSD

Tot Ion:	99	Resp:	435845
Ion Ratio	Lower	Upper	
99	100		
42	15.5	12.8	19.2
71	37.5	28.6	43.0

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#8

2-Chlorophenol

Concen: 27.857 ng

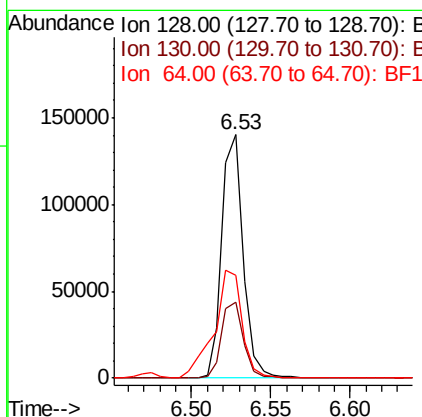
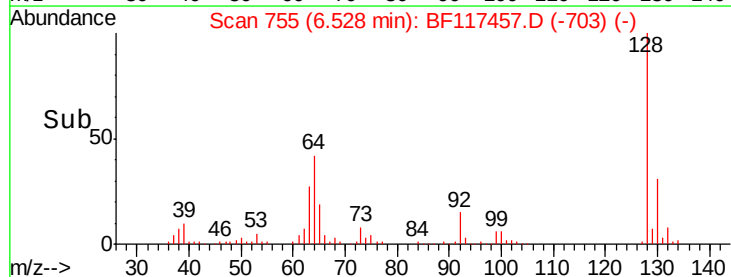
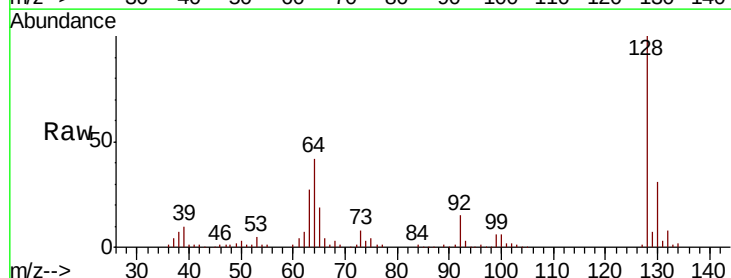
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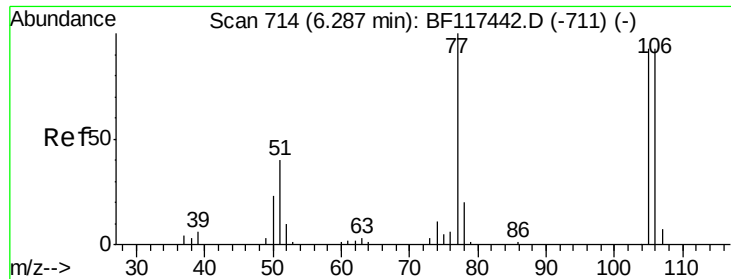
Delta R.T. 0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Tgt Ion:	128	Resp:	131116
Ion Ratio	Lower	Upper	
128	100		
130	31.2	11.1	51.1
64	42.5	27.1	67.1





#9

Benzaldehyde

Concen: 24.413 ng

RT: 6.29 min Scan# 715

Delta R.T. 0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

ClientSampleId :

CL-02-101819MSD

Tot Ion: 77 Resp: 79448

Ion Ratio Lower Upper

77 100

105 98.9 73.4 113.4

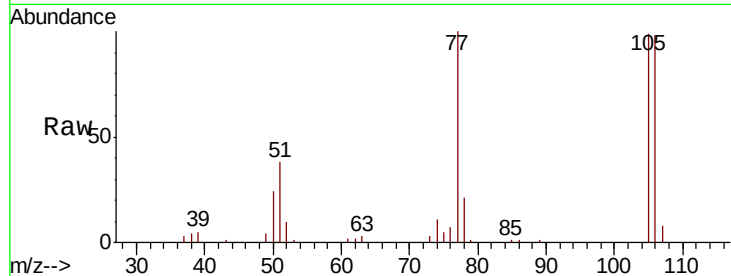
106 97.5 73.0 113.0

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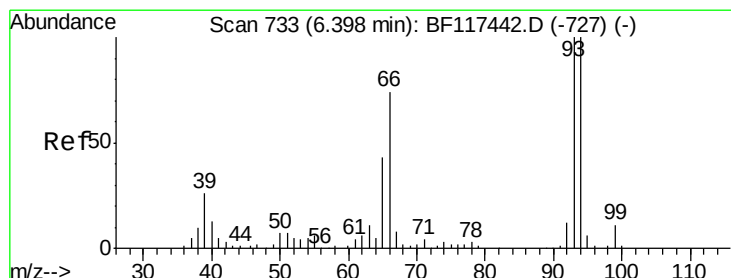
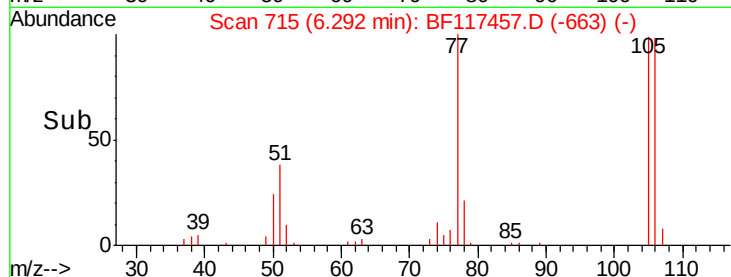
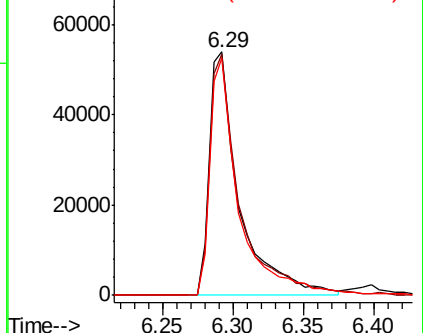
10/22/2019 3:29:20 PM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 25.256 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

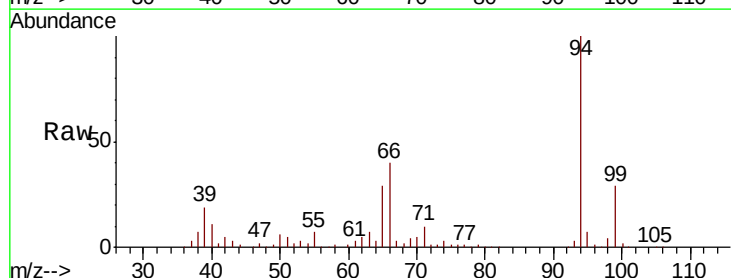
Tgt Ion: 94 Resp: 154431

Ion Ratio Lower Upper

94 100

65 28.6 23.4 63.4

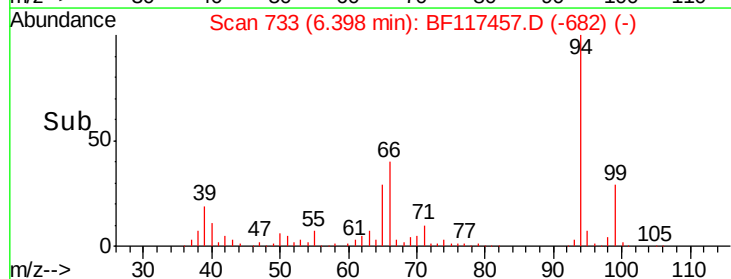
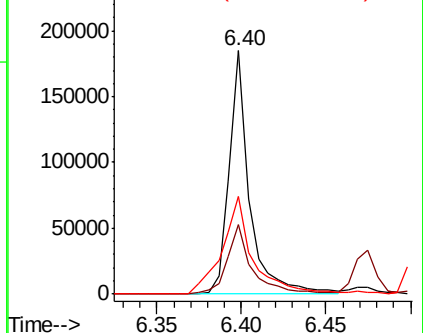
66 39.9 54.7 94.7#

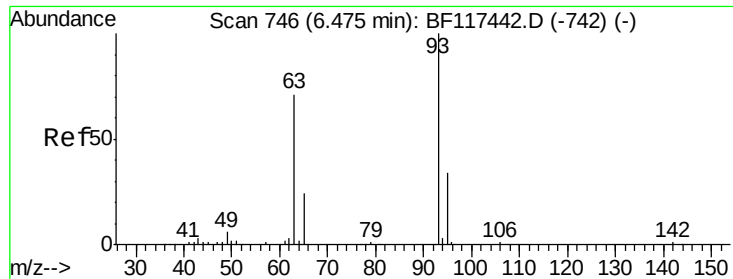


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 27.100 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

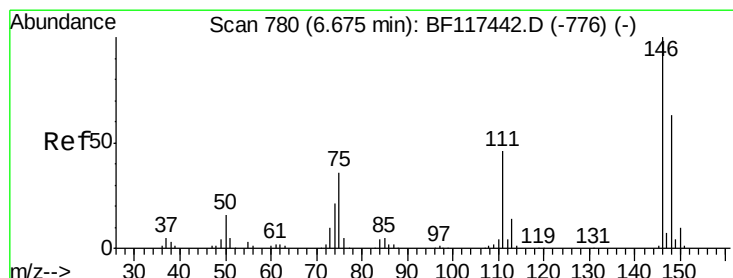
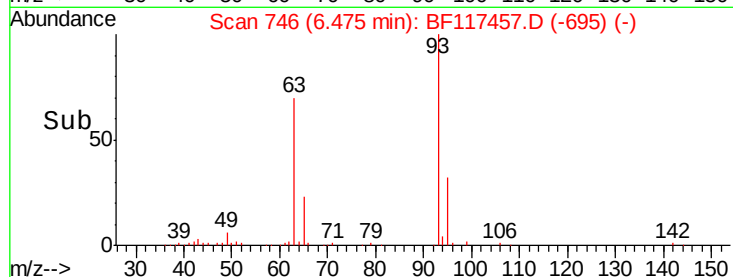
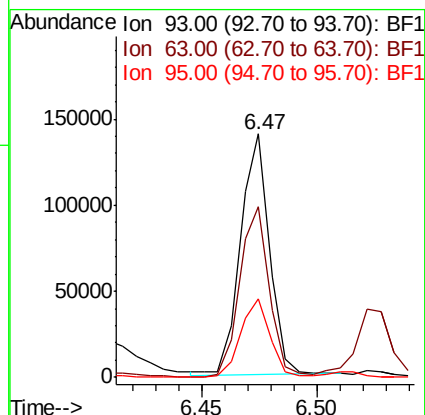
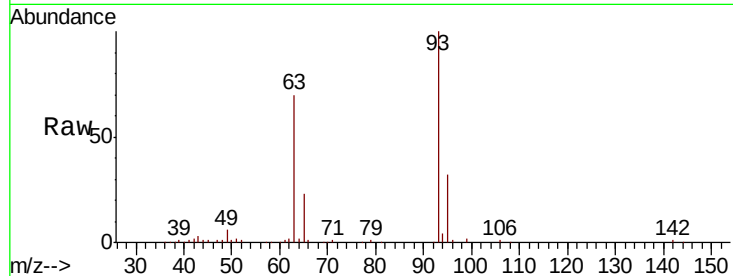
ClientSampleId :

CL-02-101819MSD

Tot Ion:	93	Resp:	122569
Ion Ratio	Lower	Upper	
93	100		
63	70.2	50.2	90.2
95	32.5	13.9	53.9

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#12

1,3-Dichlorobenzene

Concen: 25.343 ng

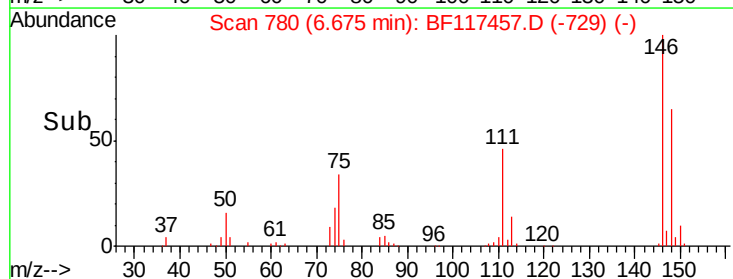
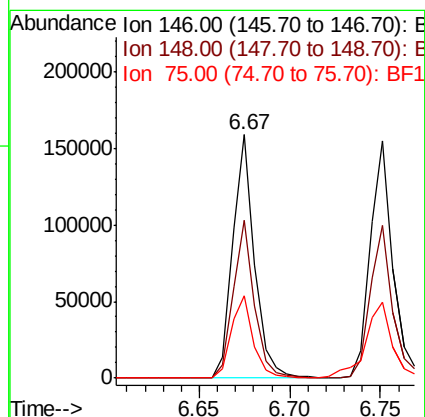
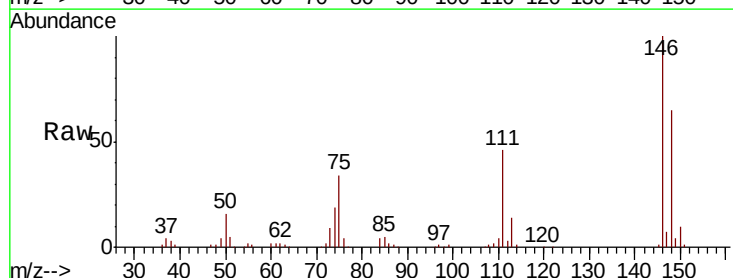
RT: 6.67 min Scan# 780

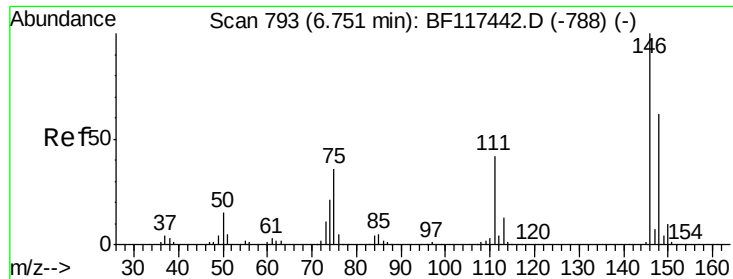
Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Tgt Ion:	146	Resp:	133115
Ion Ratio	Lower	Upper	
146	100		
148	64.6	50.6	75.8
75	33.6	28.6	43.0





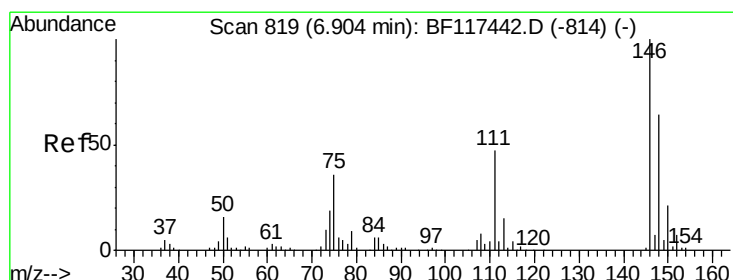
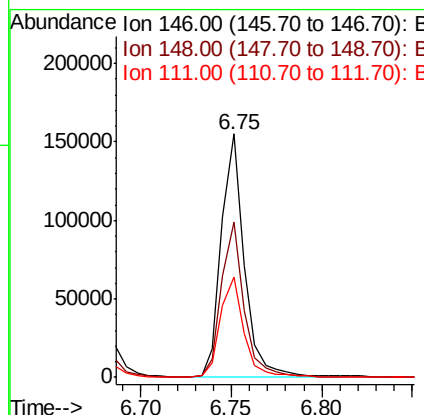
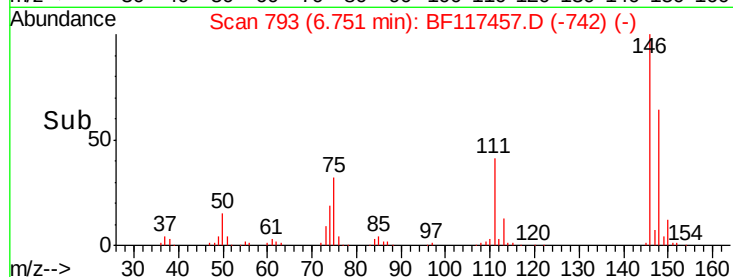
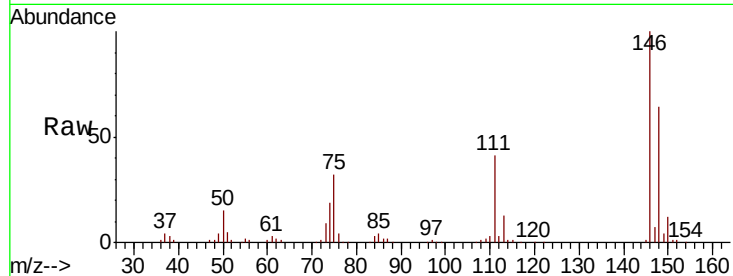
#13
1,4-Dichlorobenzene
Concen: 25.471 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	49.3	73.9
111	41.1	33.6	50.4

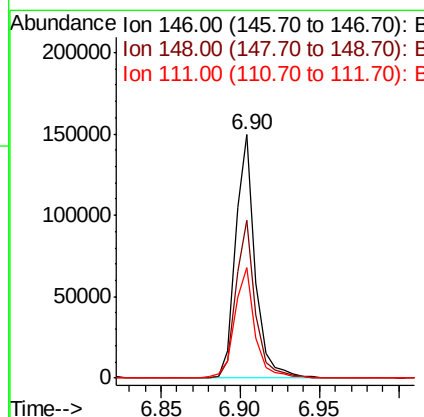
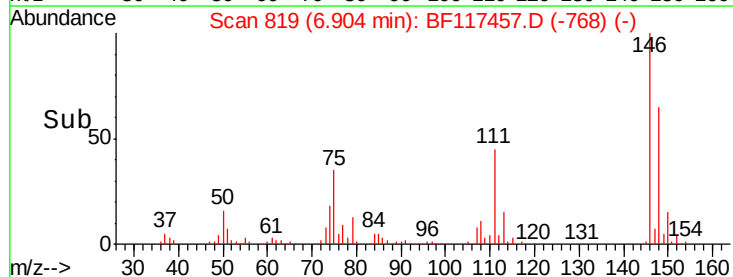
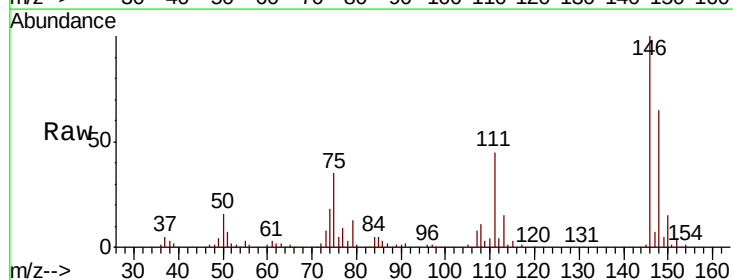
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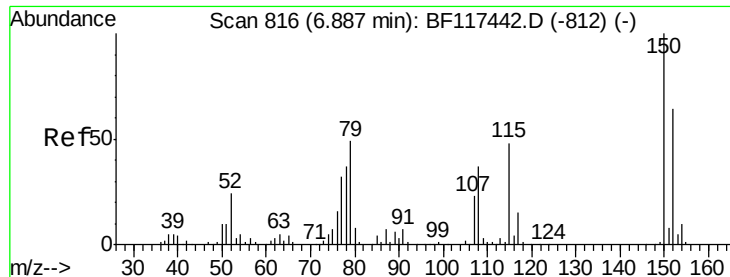
mohammad
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#14
1,2-Dichlorobenzene
Concen: 25.538 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.0
111	45.2	37.7	56.5





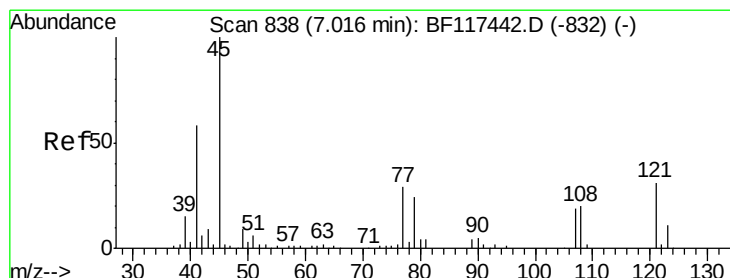
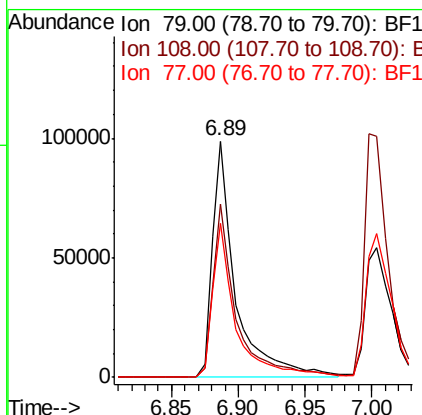
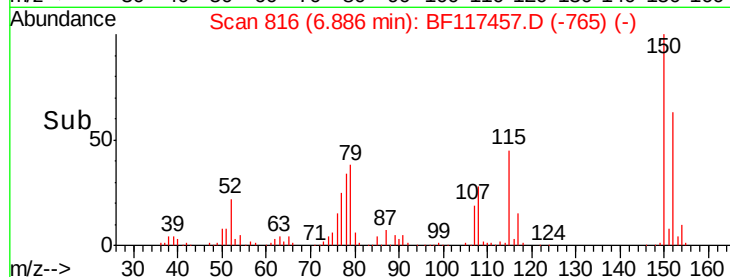
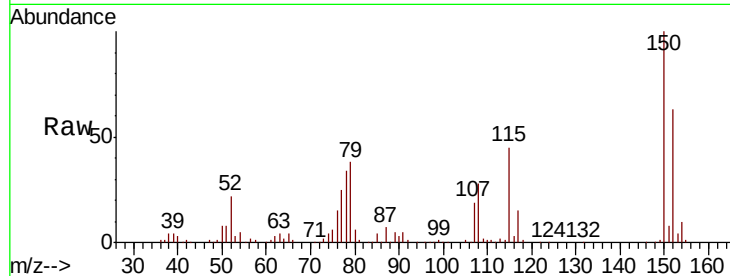
#15
Benzyl Alcohol
Concen: 28.332 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.7	59.8	89.8
77	65.2	51.4	77.0

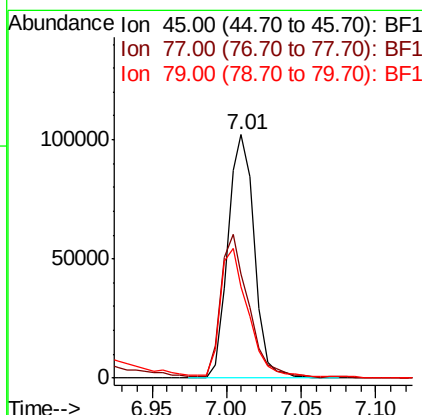
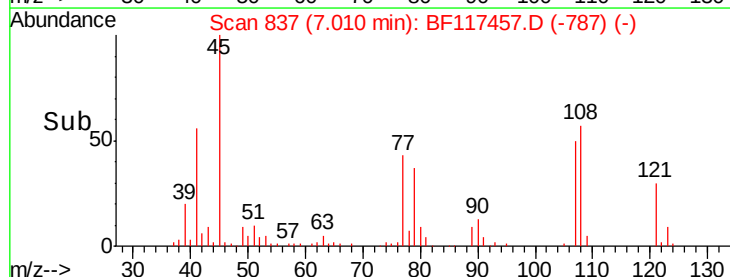
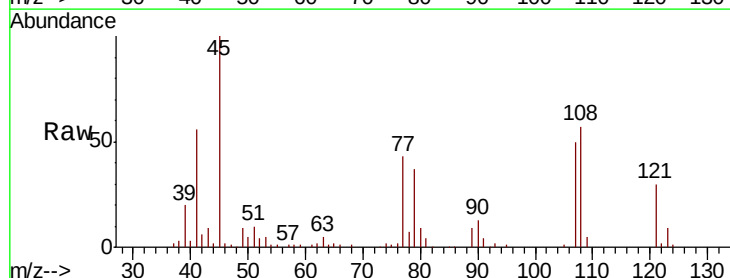
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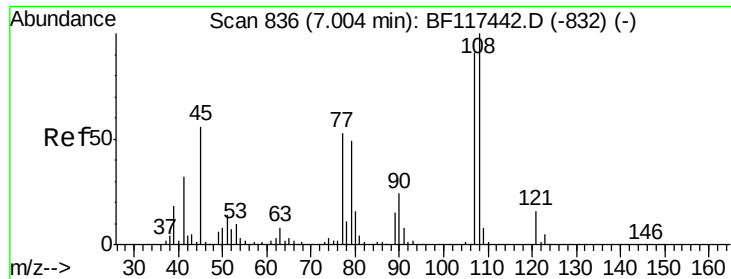
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 26.020 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
45	100		
77	42.7	9.9	49.9
79	37.4	5.5	45.5





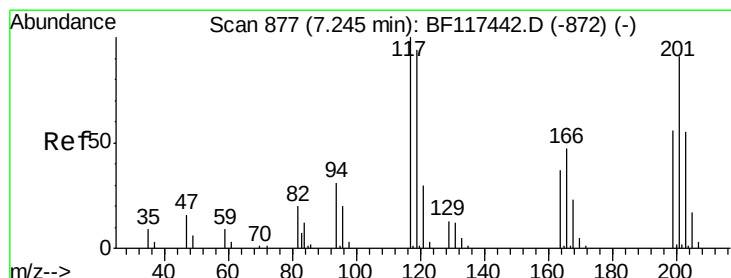
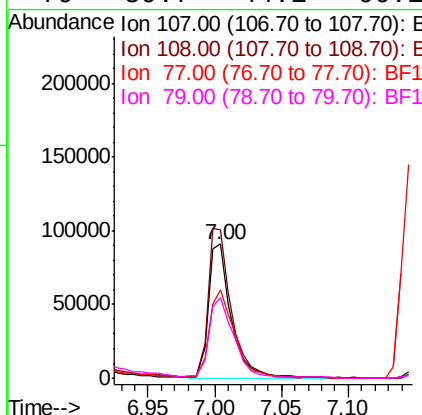
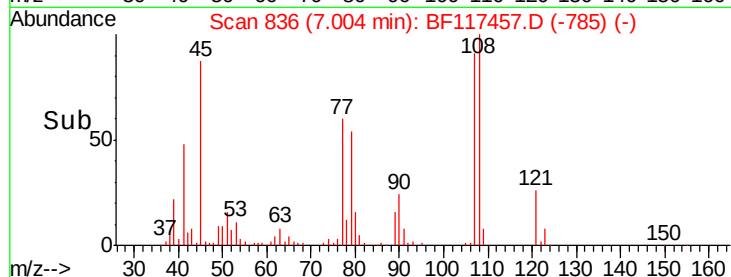
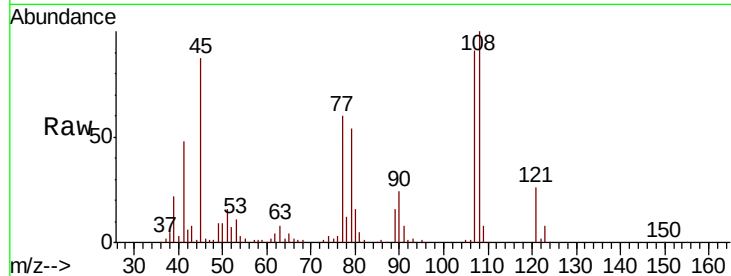
#17
2-Methylphenol
Concen: 28.570 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.0	132.0
77	66.3	47.2	70.8
79	59.7	44.1	66.1

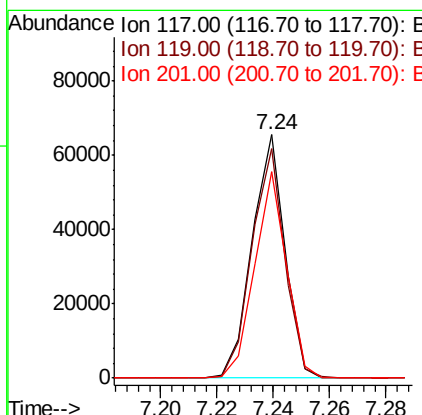
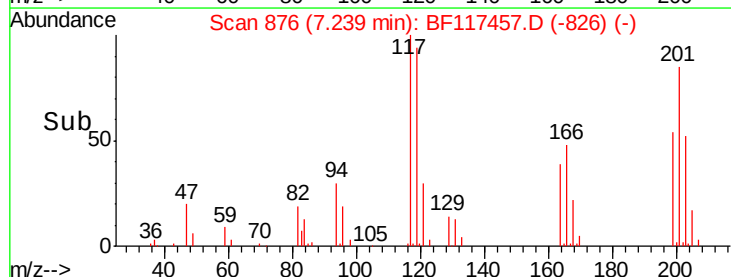
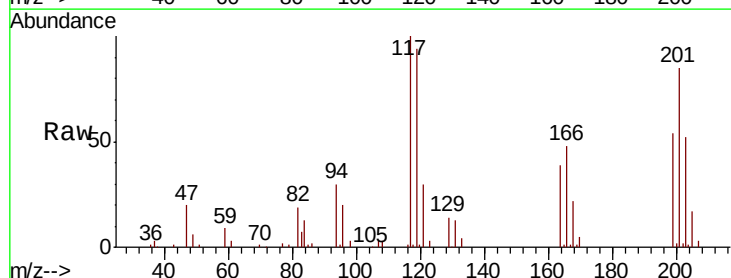
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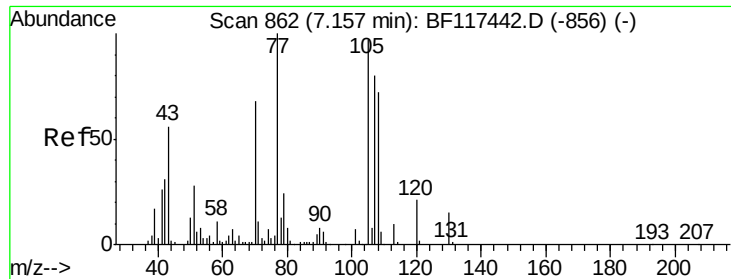
mohammad
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#18
Hexachloroethane
Concen: 25.374 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.0
201	85.1	72.5	108.7





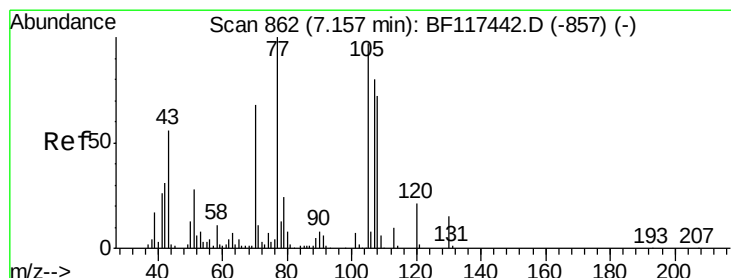
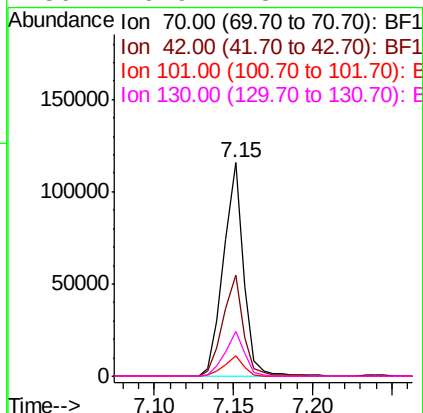
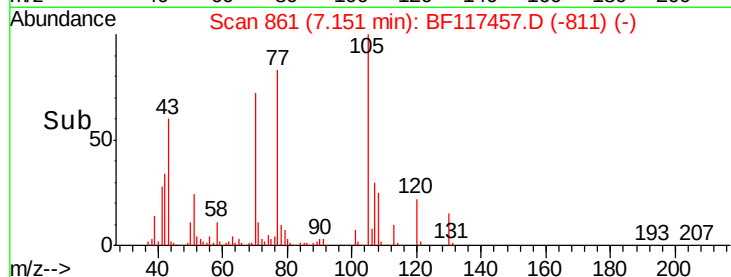
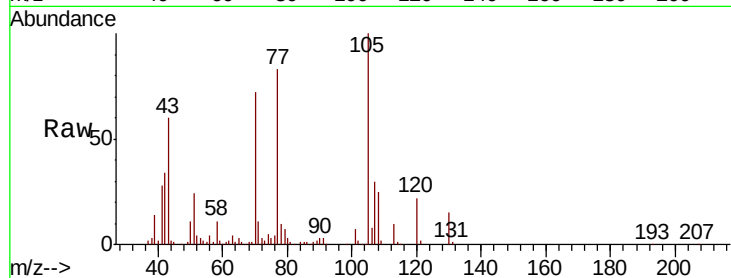
#19
n-Nitroso-di-n-propylamine
Concen: 27.942 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.4	36.7	55.1
101	9.4	8.3	12.5
130	20.9	18.1	27.1

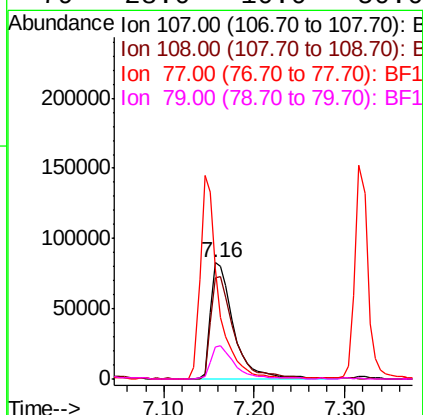
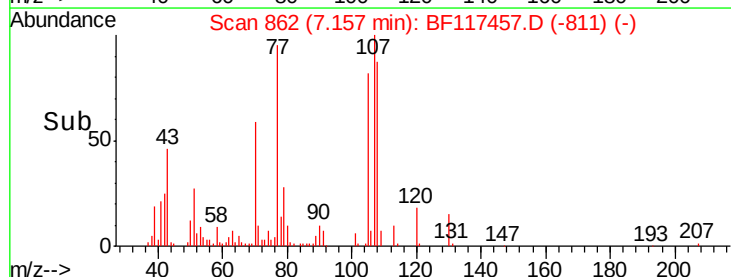
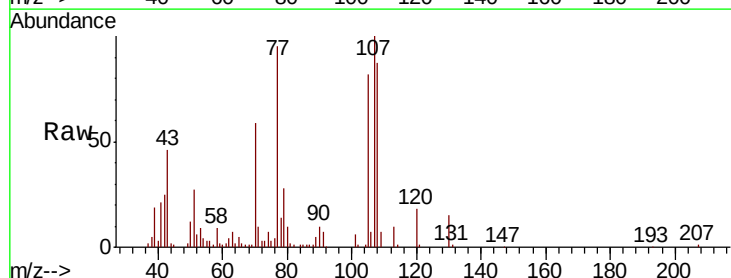
Manual Integrations
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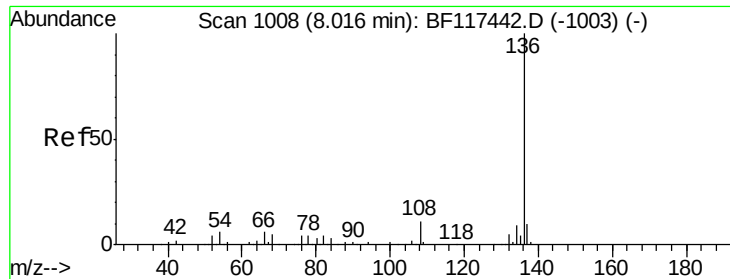
mohammad
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#20
3+4-Methylphenols
Concen: 28.998 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.0	70.3	110.3
77	94.7	104.8	144.8
79	28.0	10.0	50.0





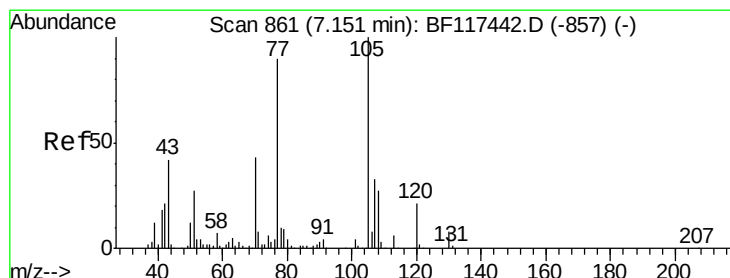
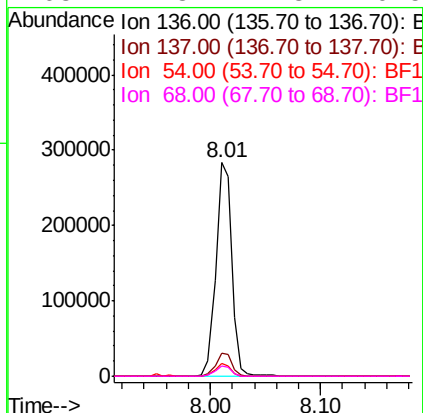
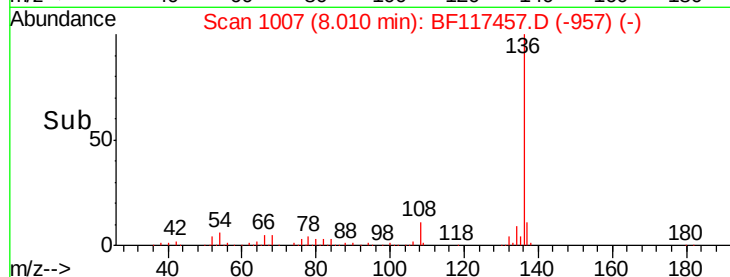
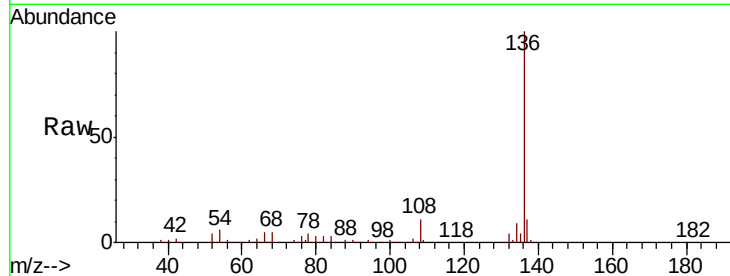
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		281462		
137	11.0	8.2	12.4		
54	6.3	4.5	6.7		
68	4.8	4.3	6.5		

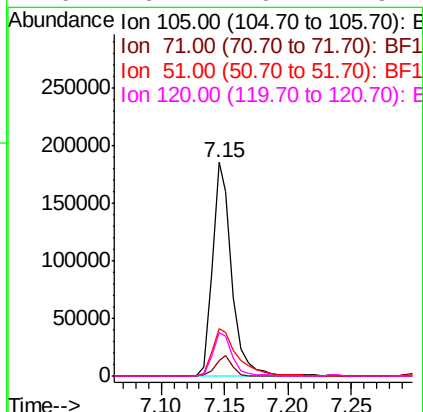
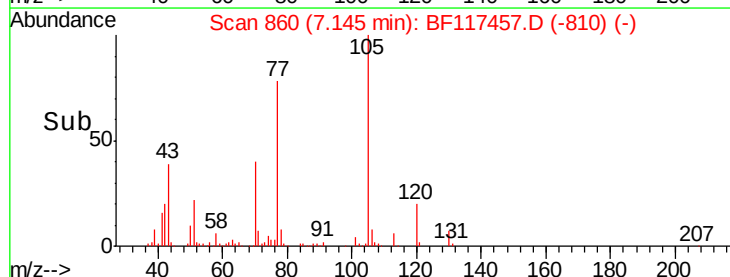
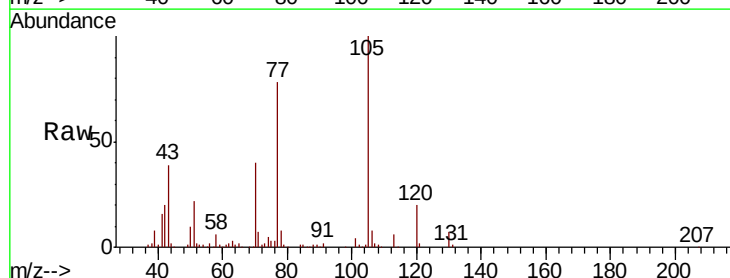
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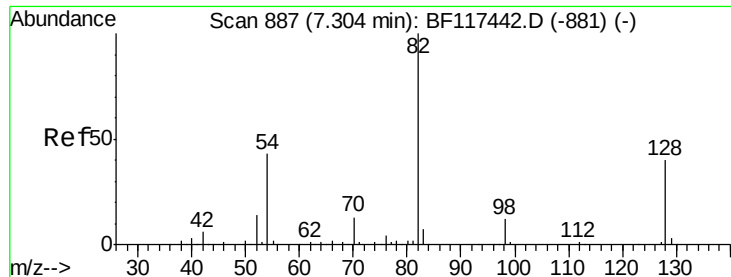
mohammad
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#22
Acetophenone
Concen: 26.615 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		198918		
71	7.3	6.2	9.2		
51	22.3	21.8	32.6		
120	20.4	16.7	25.1		





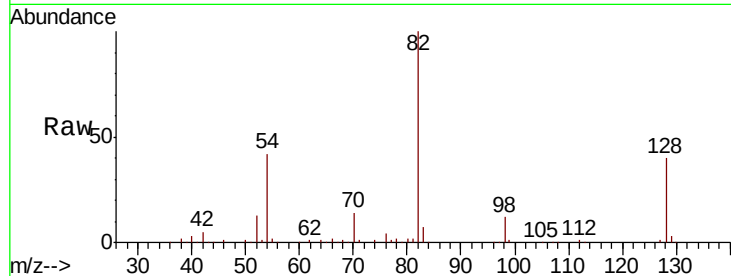
#23
 Nitrobenzene-d5
 Concen: 49.968 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

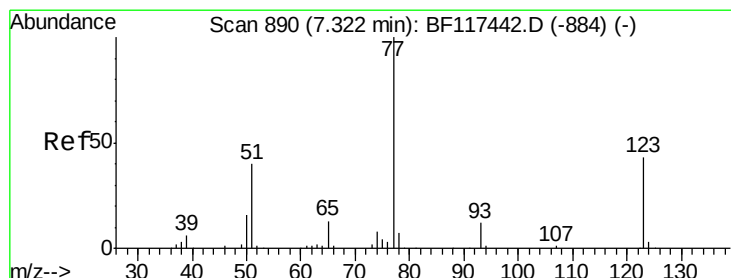
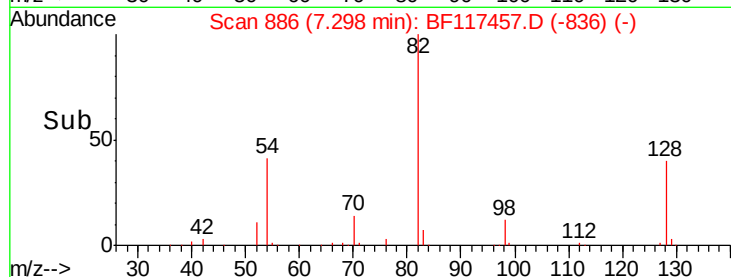
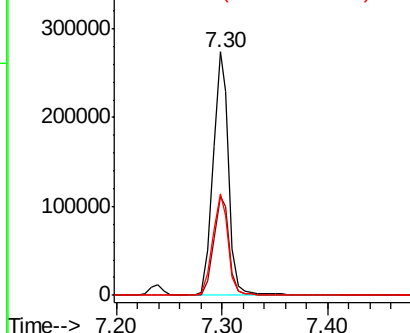
Tot Ion	Ratio	Resp	Lower	Upper
82	100	284882		
128	40.4		32.2	48.2
54	41.5		34.2	51.2

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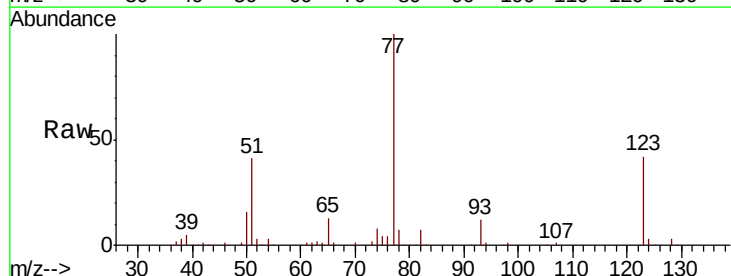


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

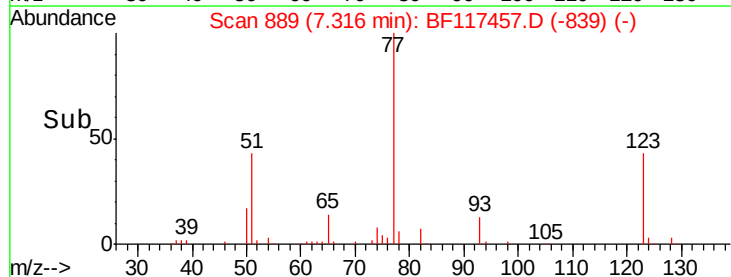
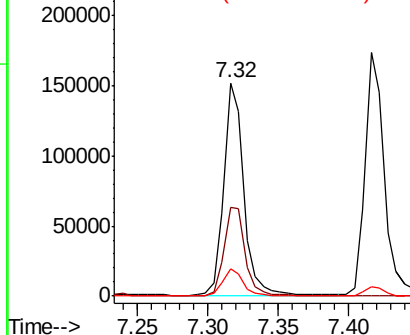


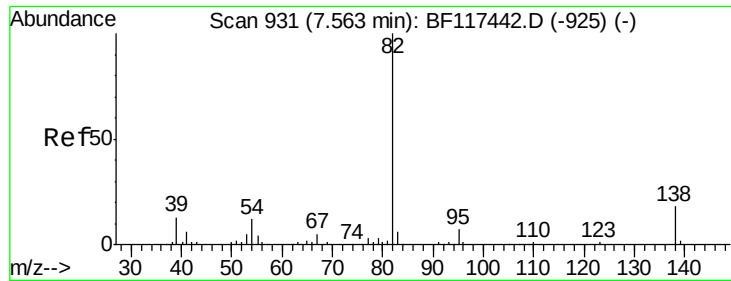
#24
 Nitrobenzene
 Concen: 27.619 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	150820		
123	41.8		34.2	51.2
65	13.0		10.3	15.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 28.301 ng

RT: 7.56 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

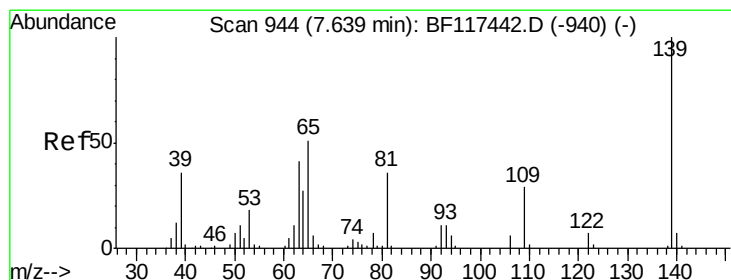
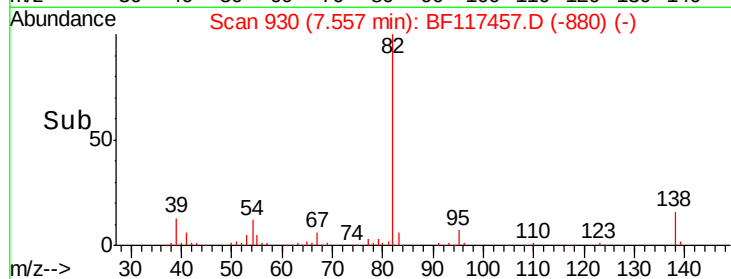
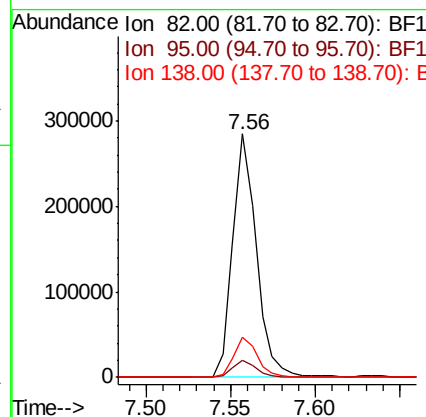
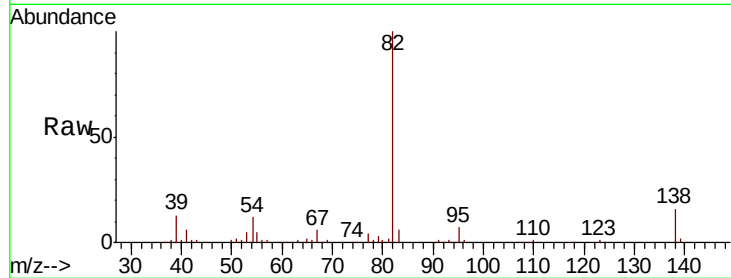
ClientSampleId :

CL-02-101819MSD

Tot Ion:	82	Resp:	279124
Ion Ratio		Lower	Upper
82	100		
95	6.8	5.4	8.0
138	16.2	14.2	21.2

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#26

2-Nitrophenol

Concen: 28.107 ng

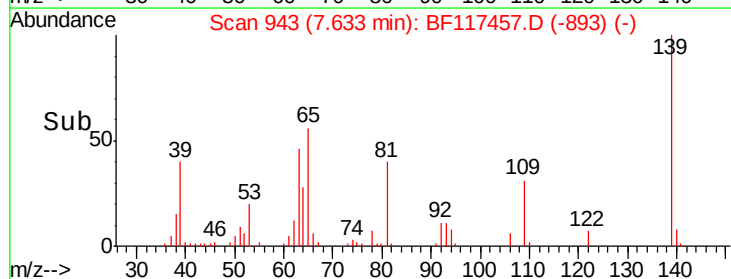
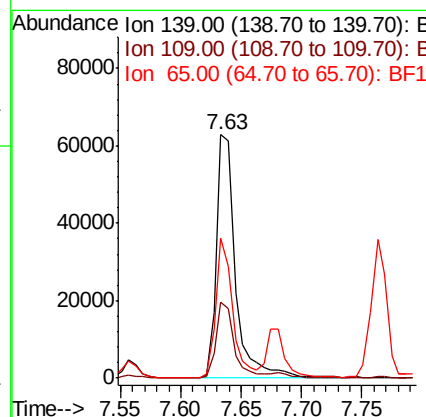
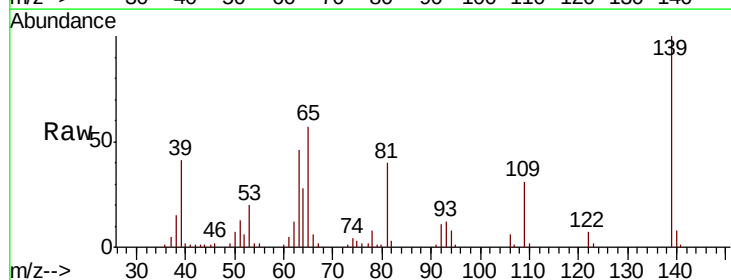
RT: 7.63 min Scan# 943

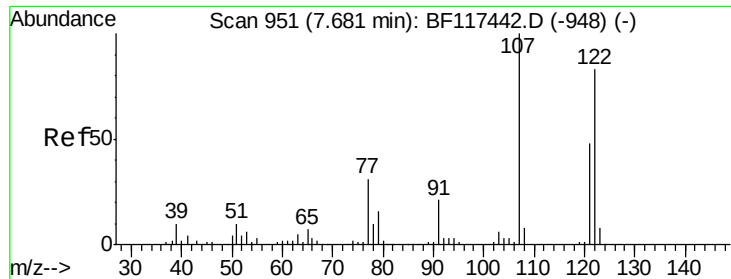
Delta R.T. -0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Tgt Ion:	139	Resp:	68455
Ion Ratio		Lower	Upper
139	100		
109	31.3	23.2	34.8
65	57.5	41.1	61.7





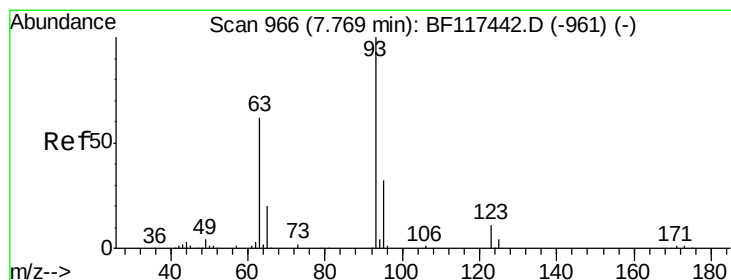
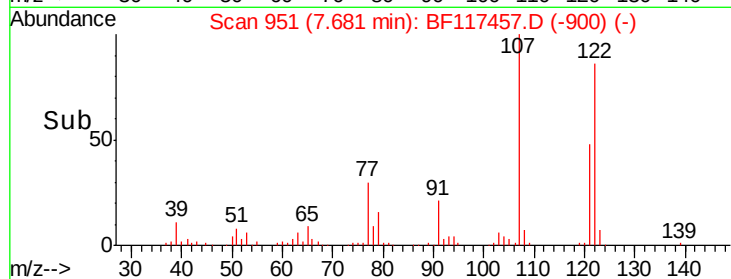
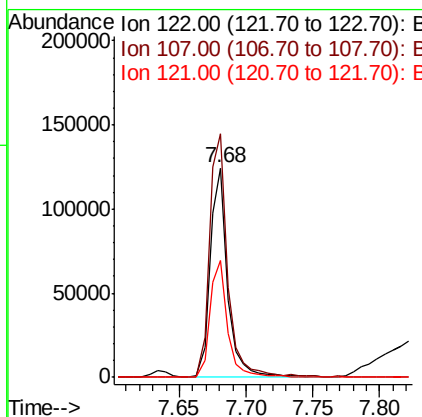
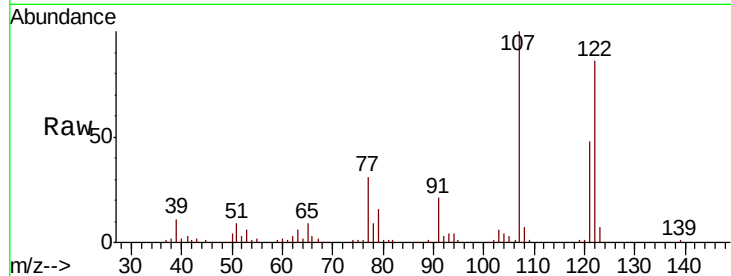
#27
 2,4-Dimethylphenol
 Concen: 31.167 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	113439		
107	116.2	96.8	145.2	
121	56.0	46.4	69.6	

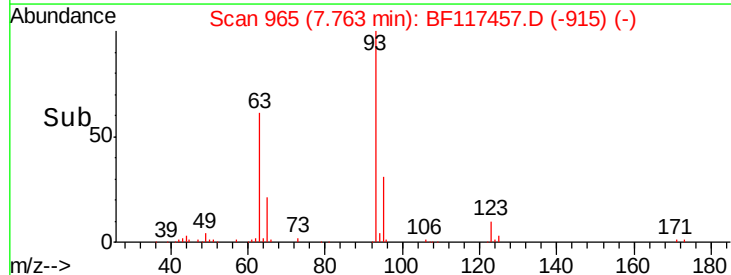
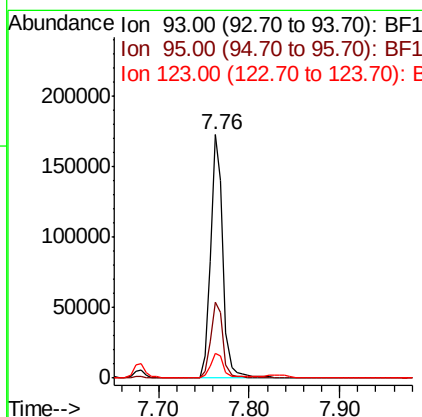
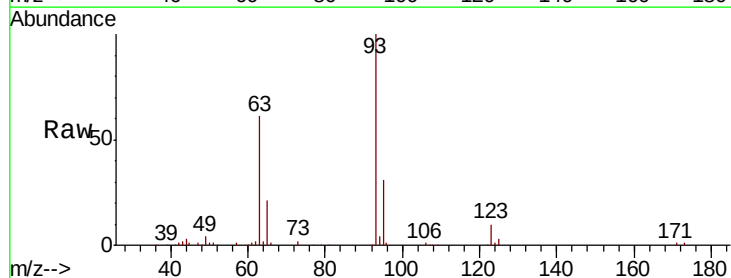
Manual Integrations
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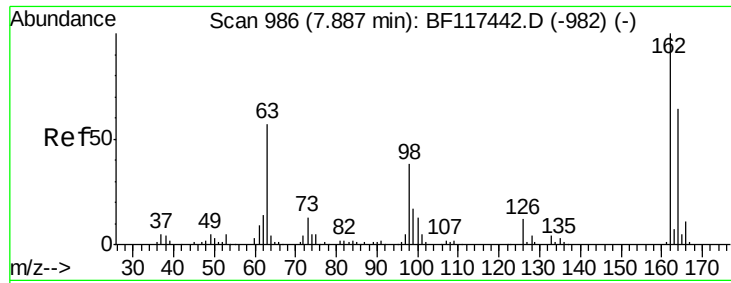
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 27.263 ng
 RT: 7.76 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	165918		
95	31.1	25.5	38.3	
123	10.4	9.0	13.6	





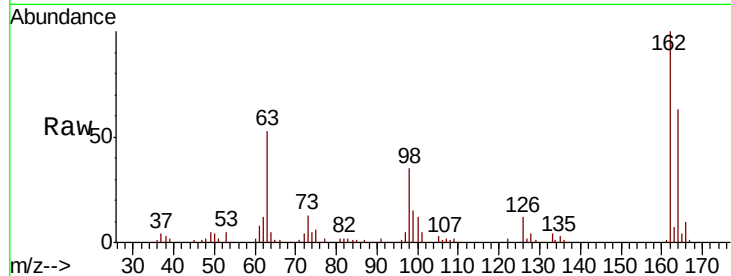
#29
2,4-Dichlorophenol
Concen: 28.792 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

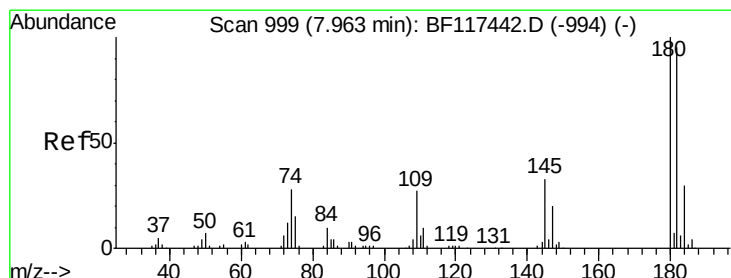
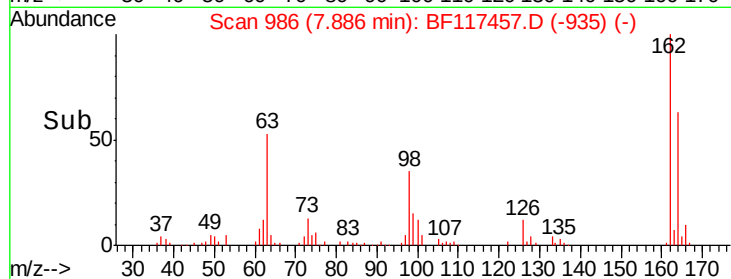
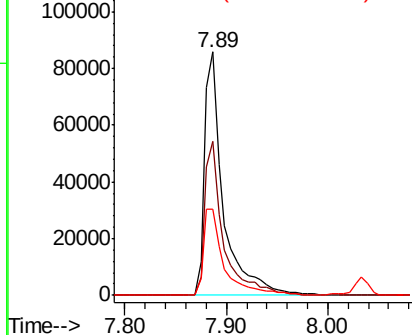
Tot Ion:	162	Resp:	109918
Ion Ratio	Lower	Upper	
162	100		
164	63.1	44.4	84.4
98	35.4	18.2	58.2

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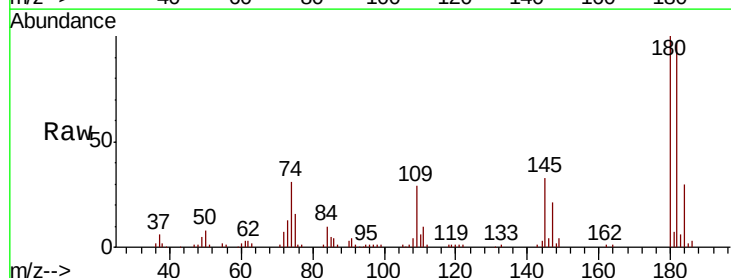


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

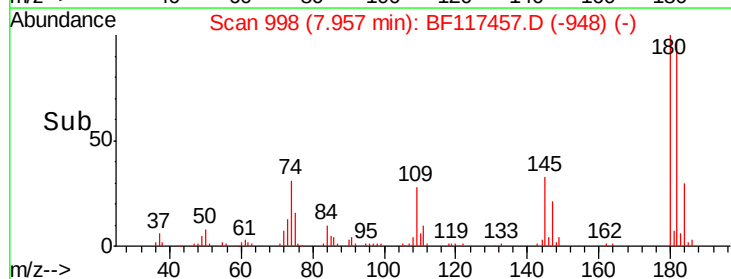
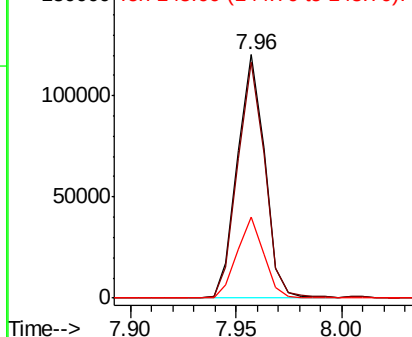


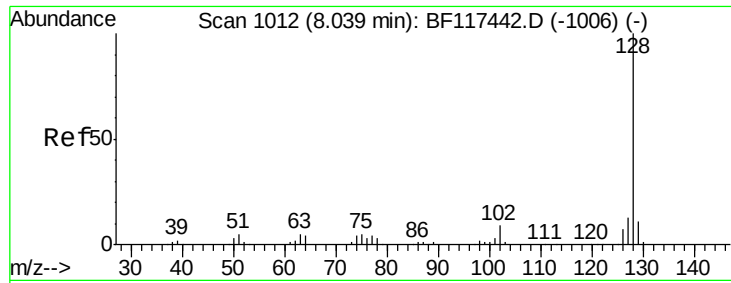
#30
1,2,4-Trichlorobenzene
Concen: 26.351 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion:	180	Resp:	107955
Ion Ratio	Lower	Upper	
180	100		
182	97.1	75.8	113.8
145	33.4	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





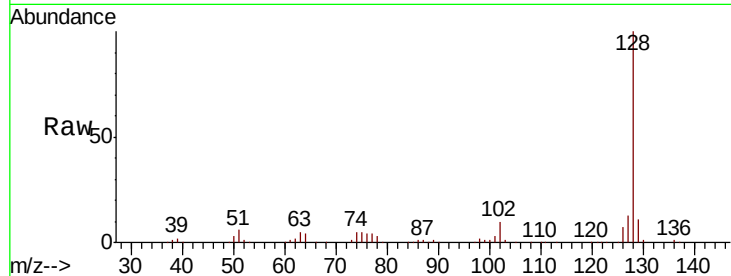
#31
Naphthalene
Concen: 27.935 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	389724		
129	11.1		9.0	13.4
127	12.6		10.2	15.2

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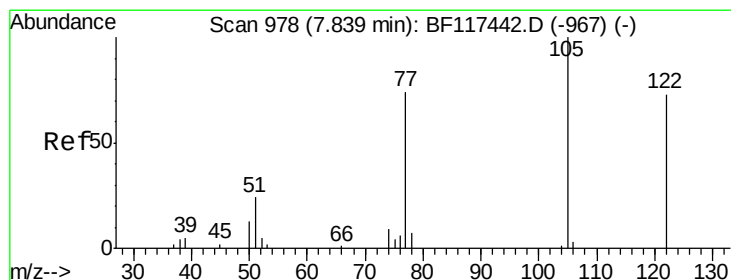
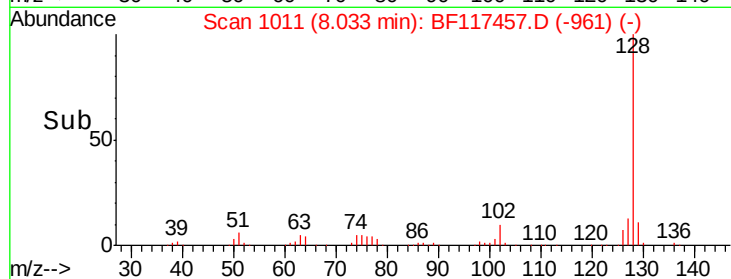
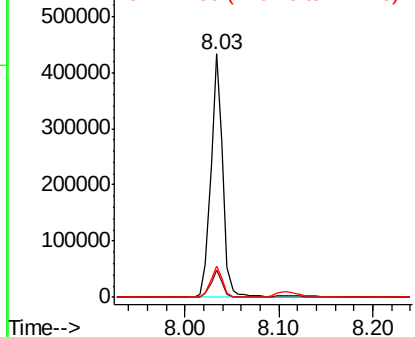


Abundance

Ion 128.00 (127.70 to 128.70): E

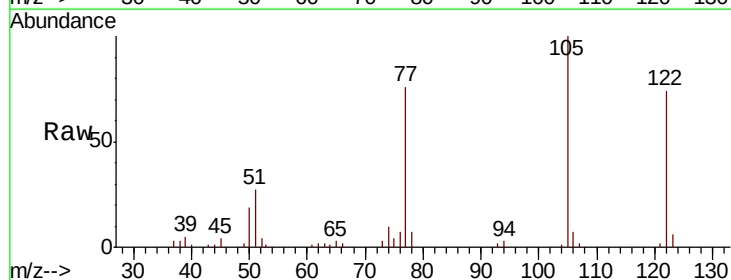
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 29.667 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	73961		
105	134.4		115.0	155.0
77	102.1		79.7	119.7

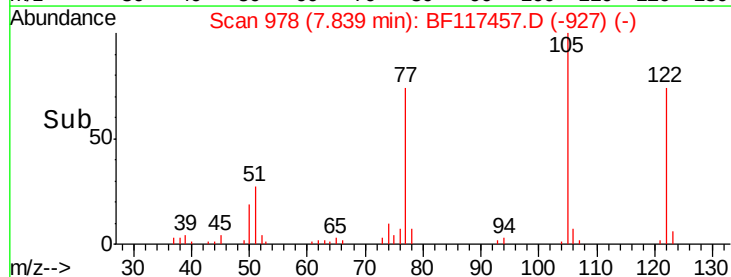
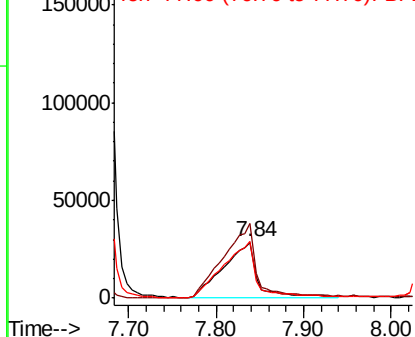


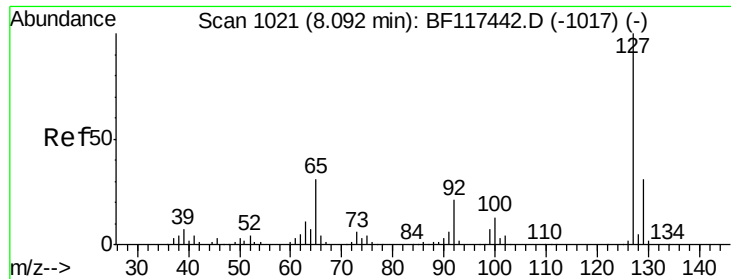
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





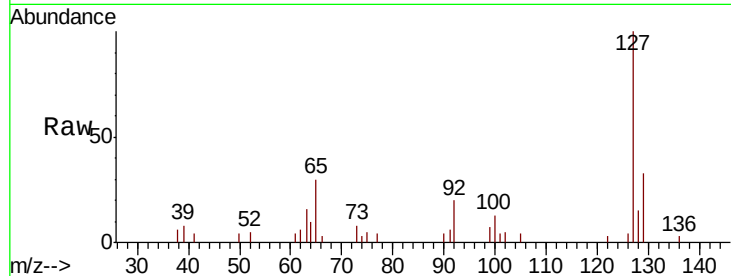
#33
4-Chloroaniline
Concen: 3.477 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		20472		
129	32.9	24.8	37.2		
65	30.4	24.6	37.0		
92	19.8	16.5	24.7		

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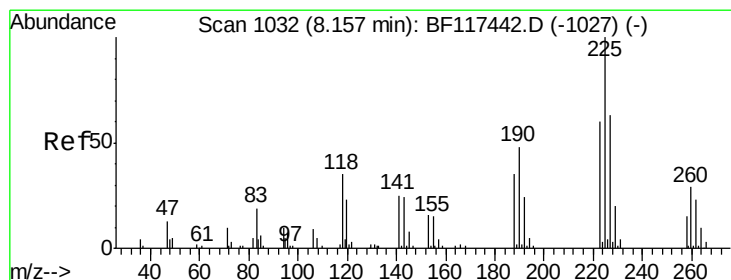
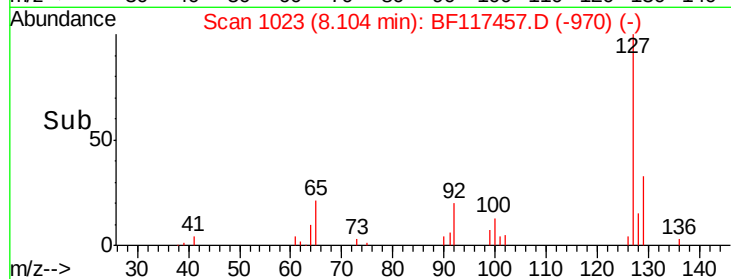
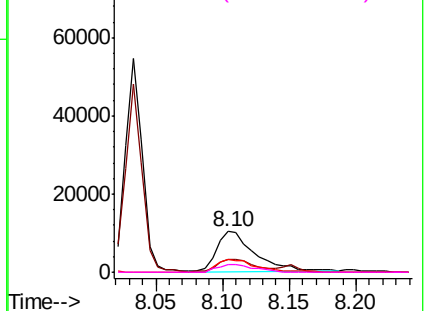
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

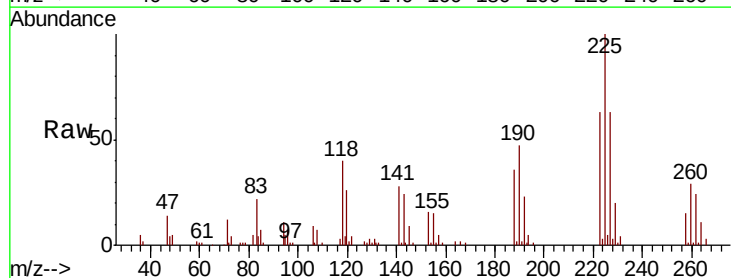
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 25.350 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		60112		
223	62.9	48.2	72.4		
227	62.8	50.2	75.4		

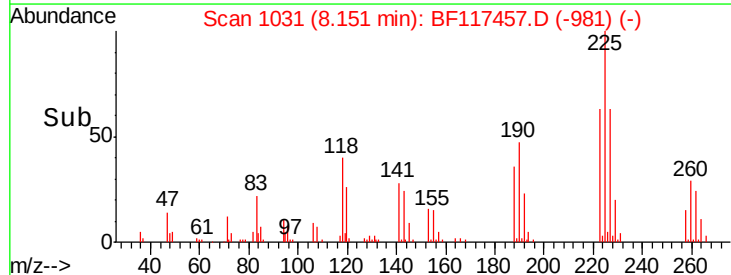
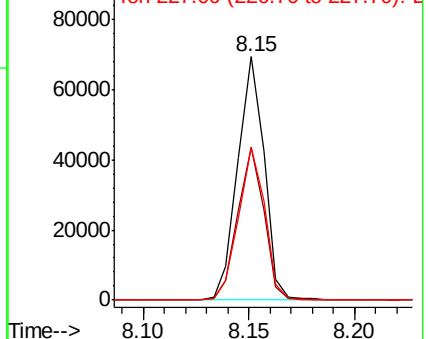


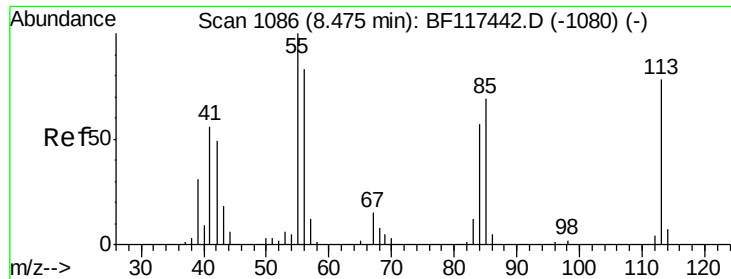
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





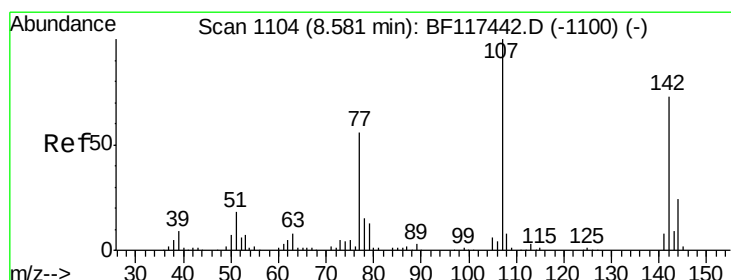
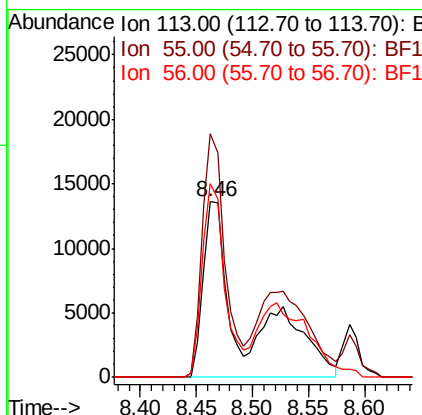
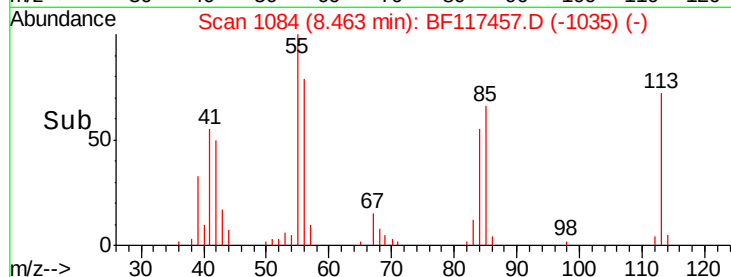
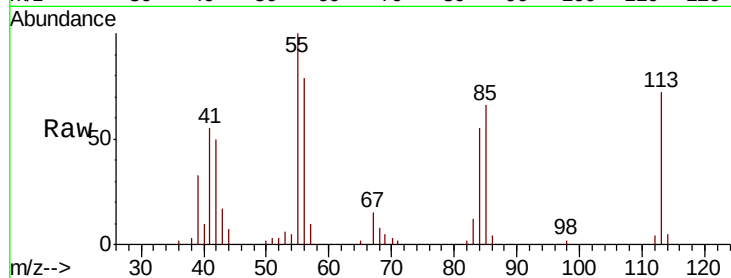
#35
Caprolactam
Concen: 28.222 ng/ml
RT: 8.46 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	138.9	108.8	148.8	
56	110.3	87.2	127.2	

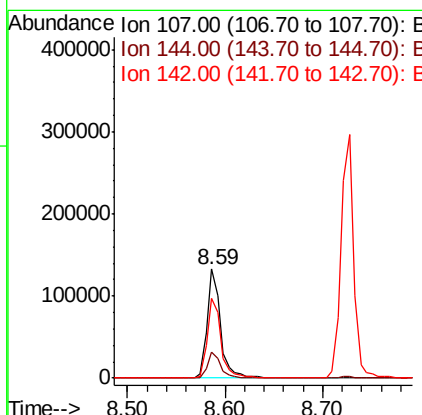
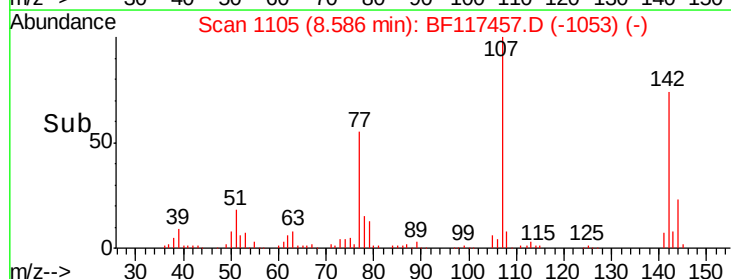
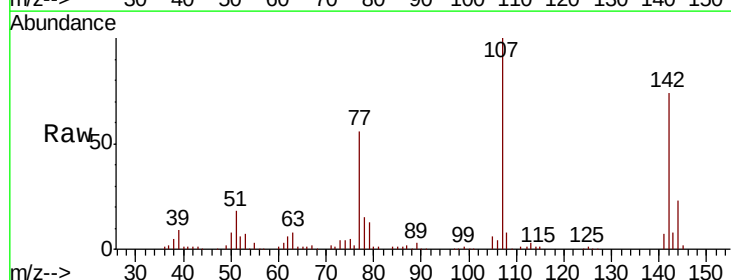
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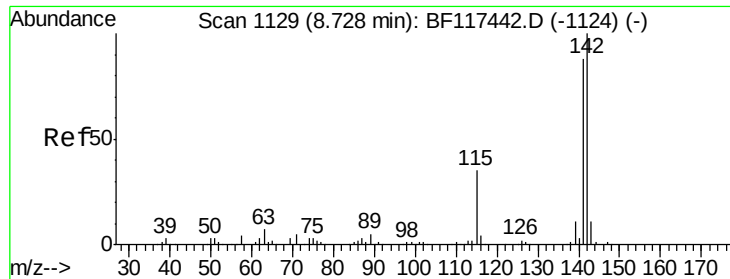
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#36
4-Chloro-3-methylphenol
Concen: 29.456 ng
RT: 8.59 min Scan# 1105
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	23.4	18.9	28.3	
142	73.5	58.6	88.0	





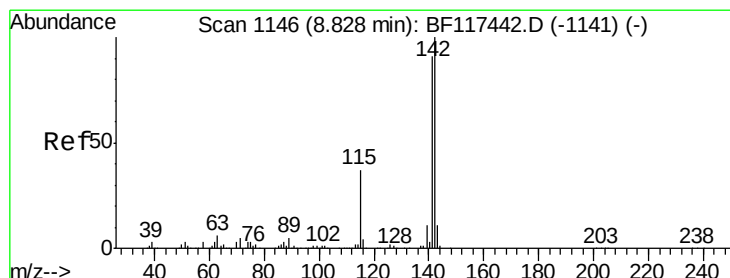
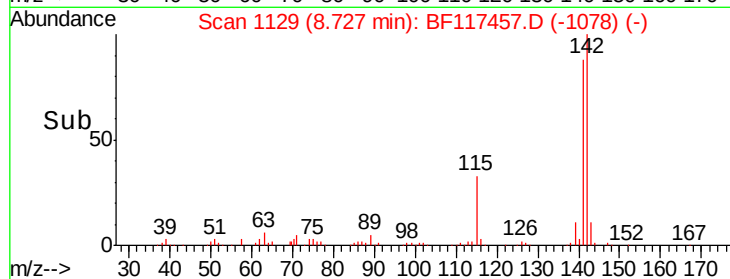
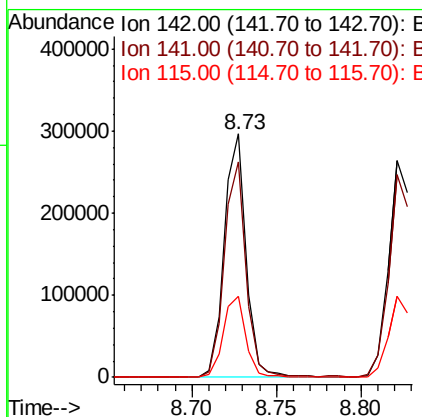
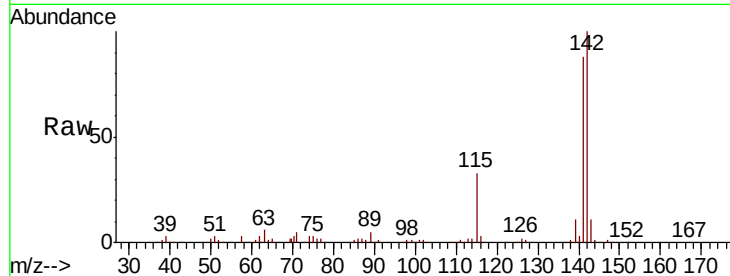
#37
2-Methylnaphthalene
Concen: 28.479 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	33.1	28.2	42.2

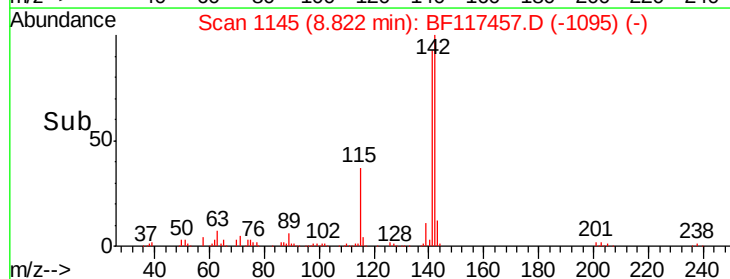
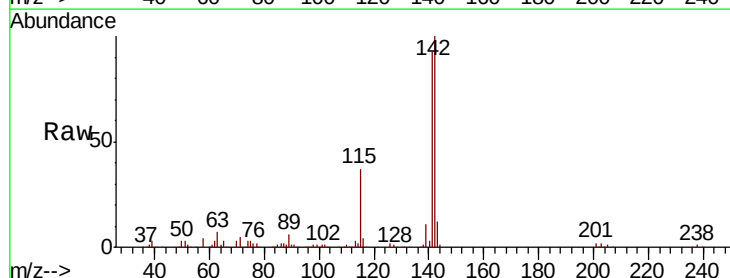
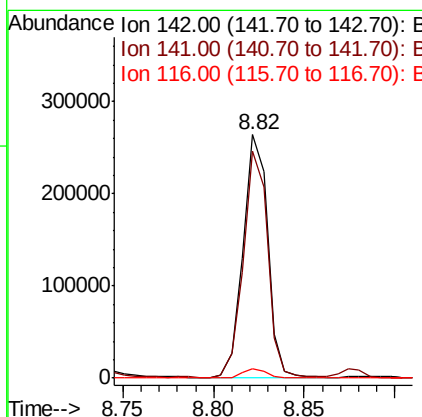
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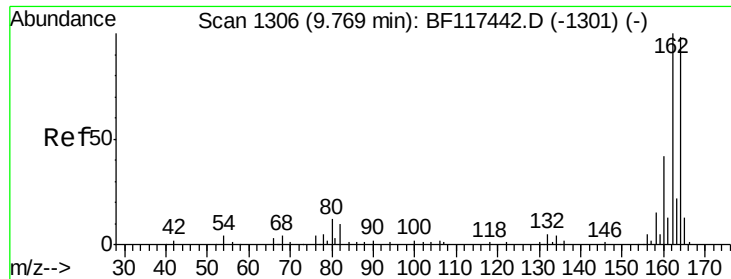
mohammad
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#38
1-Methylnaphthalene
Concen: 28.126 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.3	109.9
116	3.7	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

ClientSampleId :

CL-02-101819MSD

Tot Ion:164 Resp: 150379

Ion Ratio Lower Upper

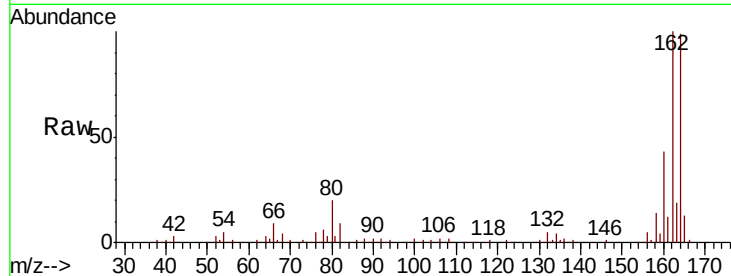
164 100

162 101.5 81.8 122.6

160 43.4 34.4 51.6

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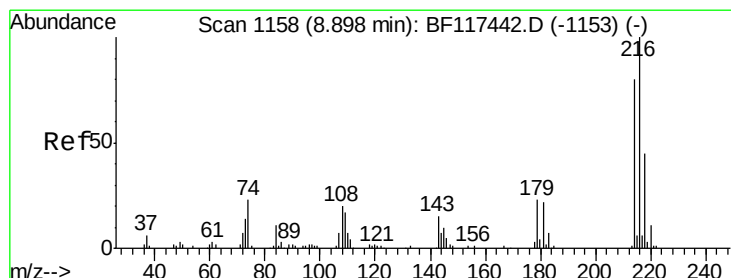
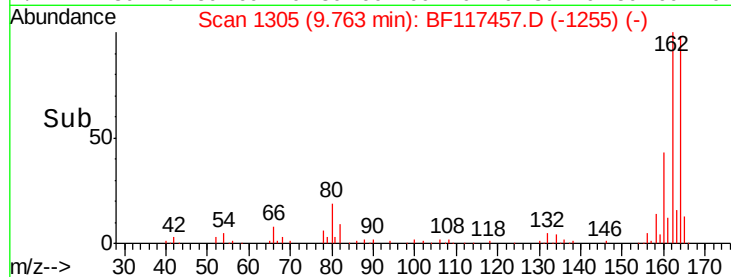
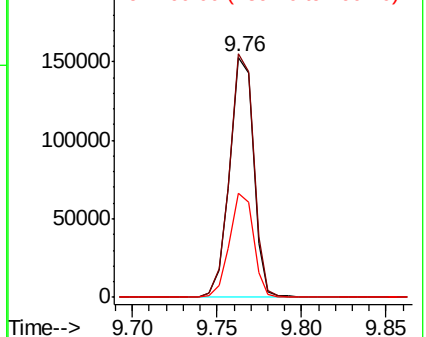


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 25.271 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Tgt Ion:216 Resp: 102354

Ion Ratio Lower Upper

216 100

214 78.3 62.4 93.6

179 23.2 18.1 27.1

108 23.0 16.6 24.8

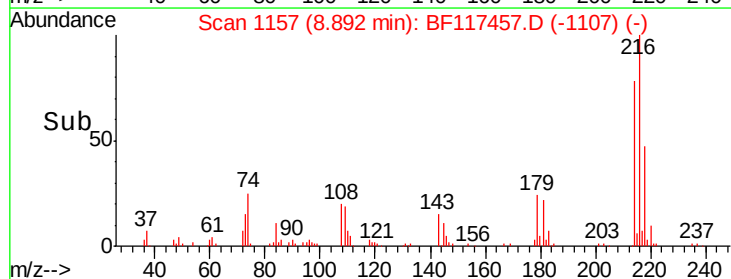
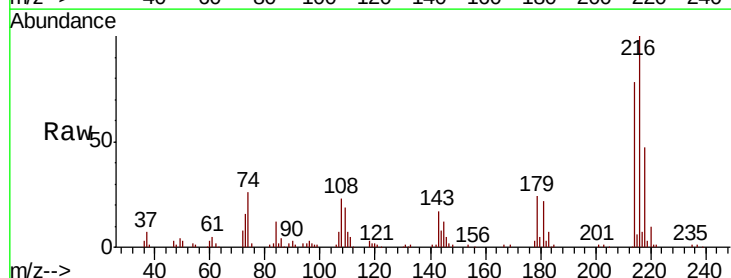
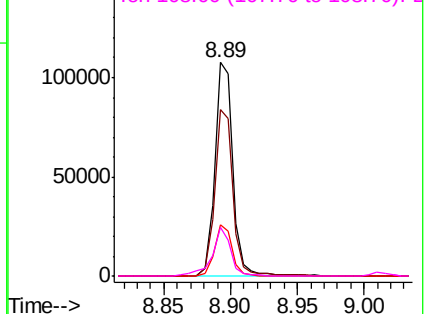
Abundance

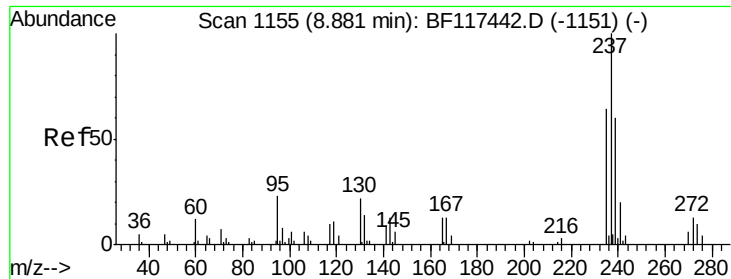
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 61.094 ng

RT: 8.88 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

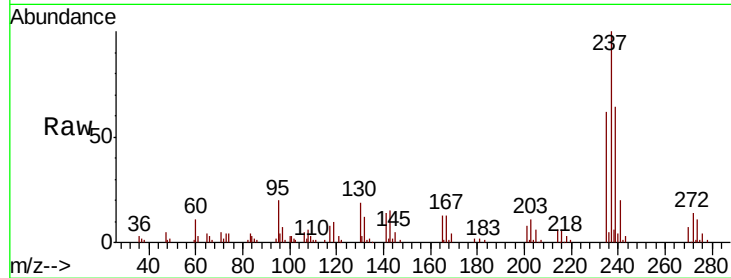
ClientSampleId :

CL-02-101819MSD

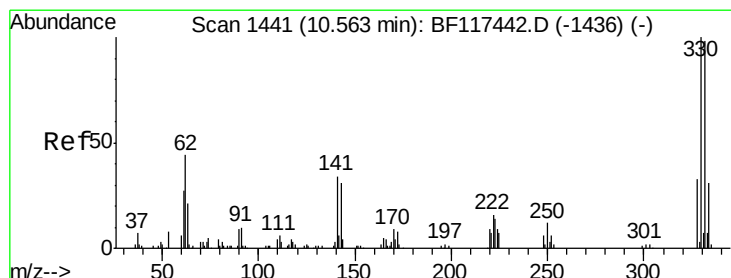
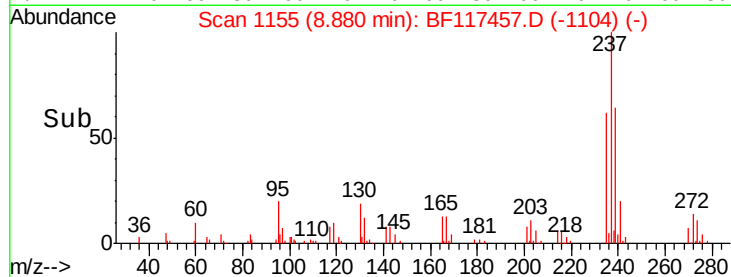
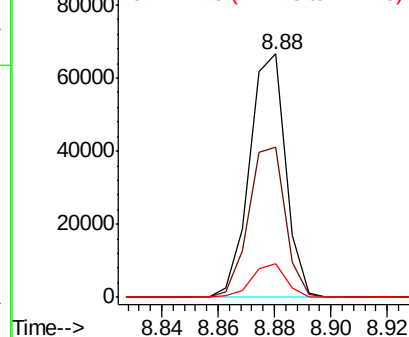
Tot Ion:	237	Resp:	59055
Ion Ratio	Lower	Upper	
237	100		
235	61.8	44.3	84.3
272	13.8	0.0	33.2

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 77.658 ng

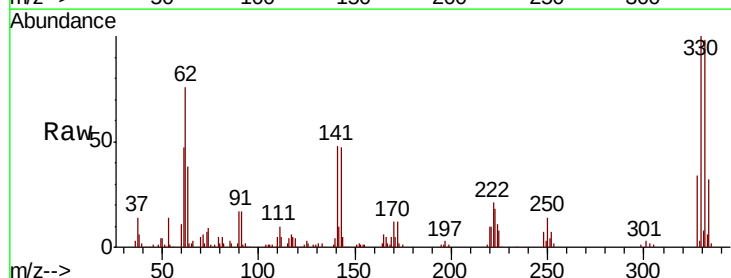
RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

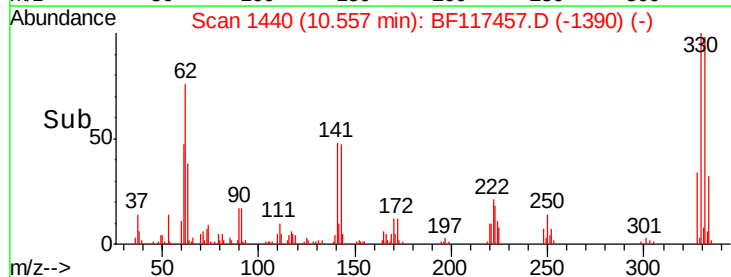
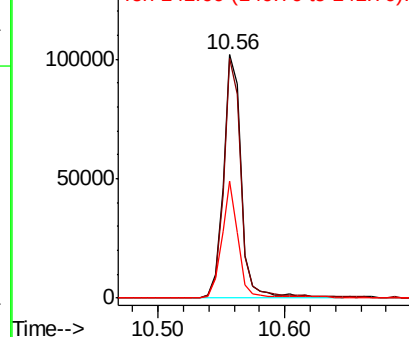
Lab File: BF117457.D

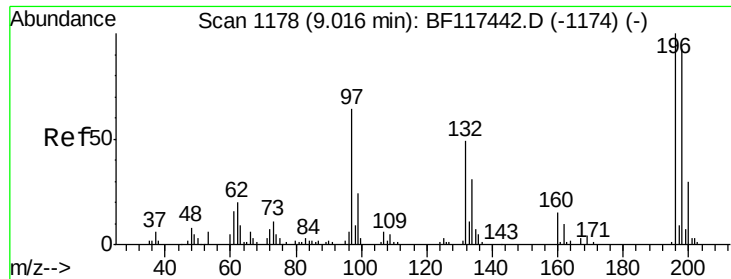
Acq: 21 Oct 2019 19:48

Tgt Ion:	330	Resp:	101046
Ion Ratio	Lower	Upper	
330	100		
332	96.3	78.5	117.7
141	44.1	37.0	55.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





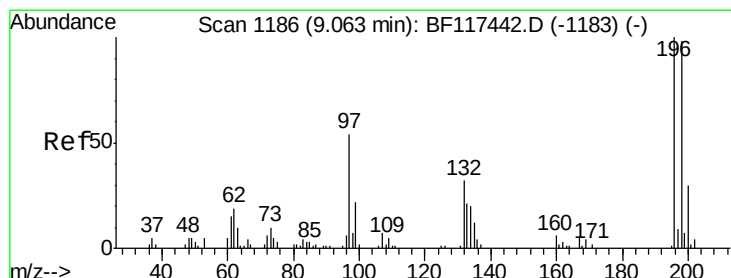
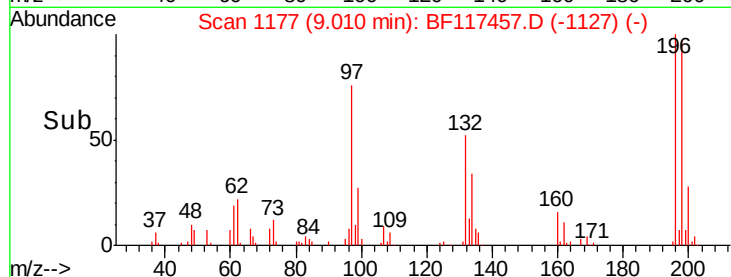
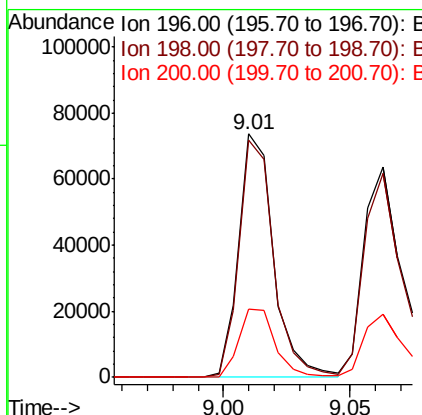
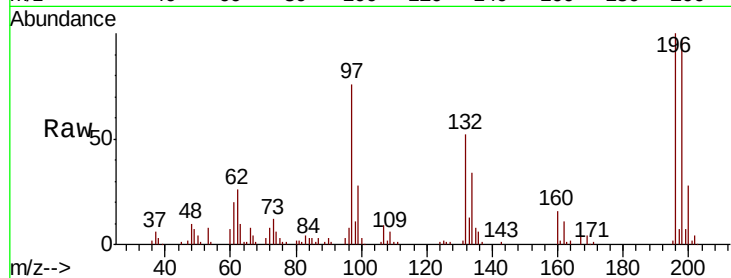
#43
 2,4,6-Trichlorophenol
 Concen: 27.840 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion:	196	Resp:	70613
Ion Ratio	Lower	Upper	
196	100		
198	97.4	74.1	111.1
200	28.0	23.9	35.9

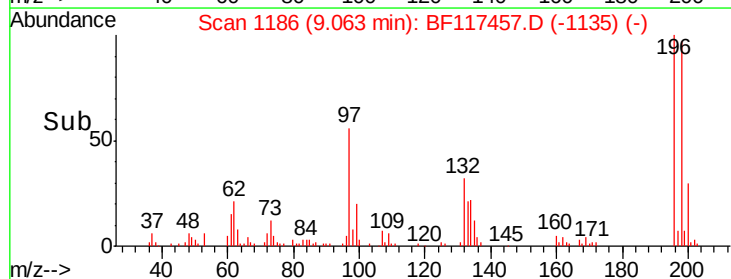
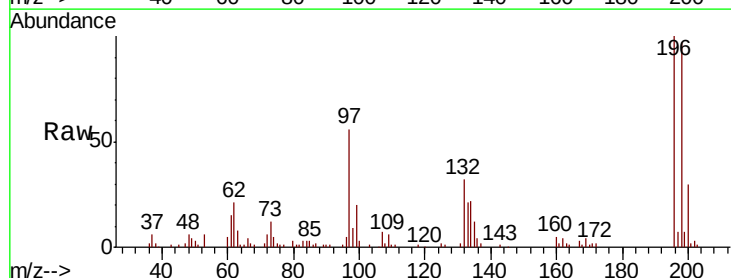
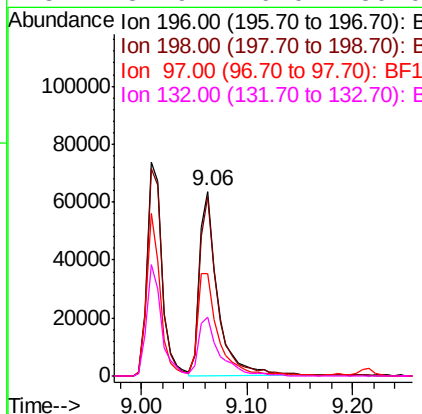
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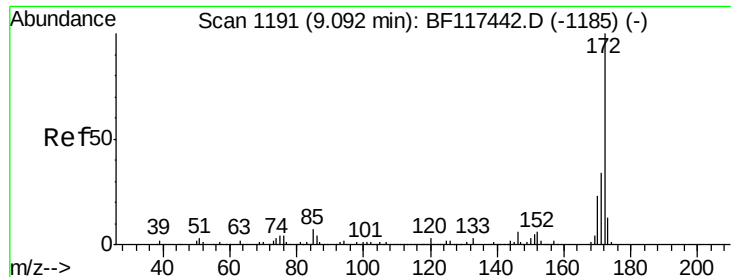
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 29.412 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion:	196	Resp:	75595
Ion Ratio	Lower	Upper	
196	100		
198	97.1	78.6	117.8
97	55.6	43.4	65.2
132	31.9	26.0	39.0





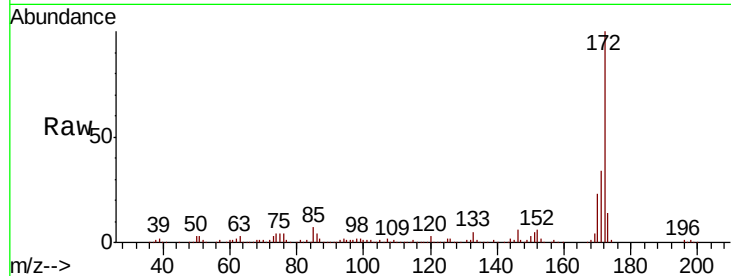
#45
2-Fluorobiphenyl
Concen: 49.578 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.5	41.3
170	23.2	18.6	27.8

Manual Integrations
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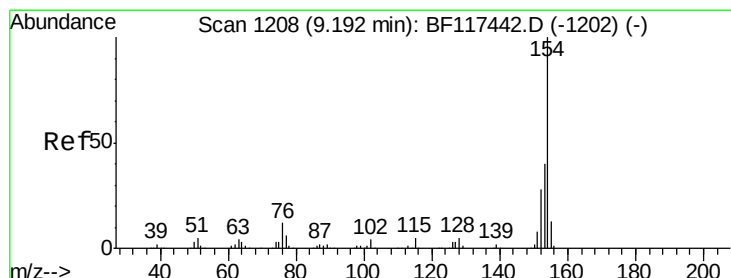
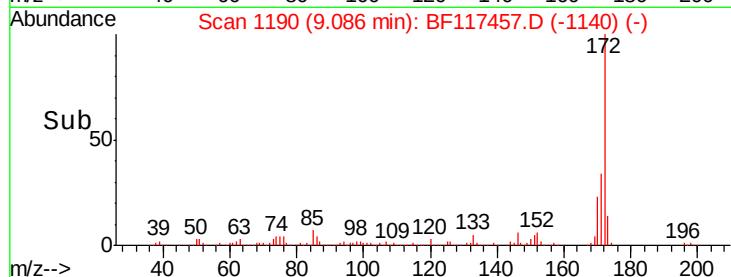
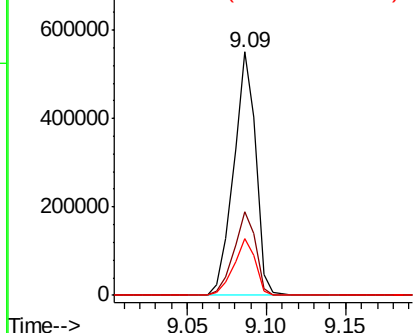


Abundance

Ion 172.00 (171.70 to 172.70): E

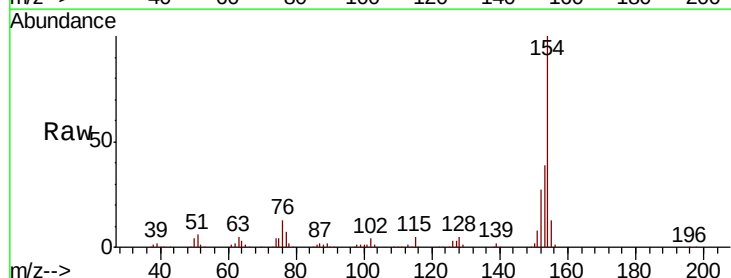
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 25.309 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.7	20.2	60.2
76	12.8	0.0	32.1

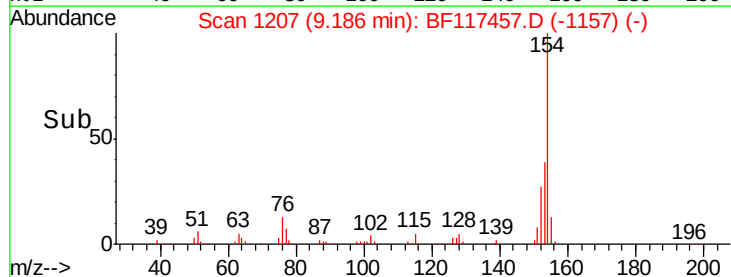
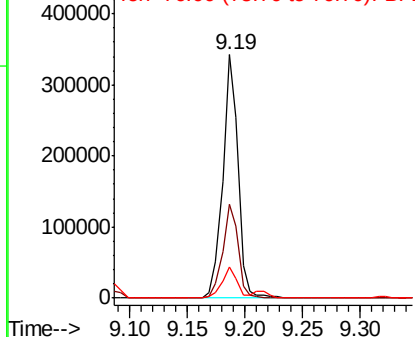


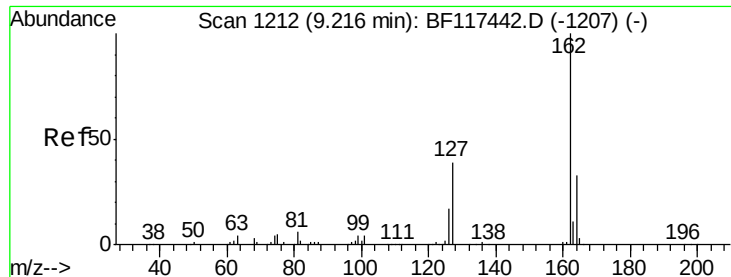
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





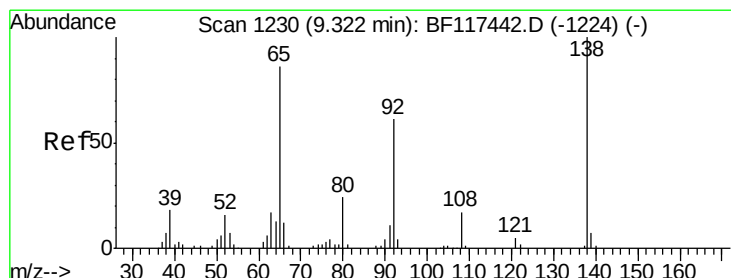
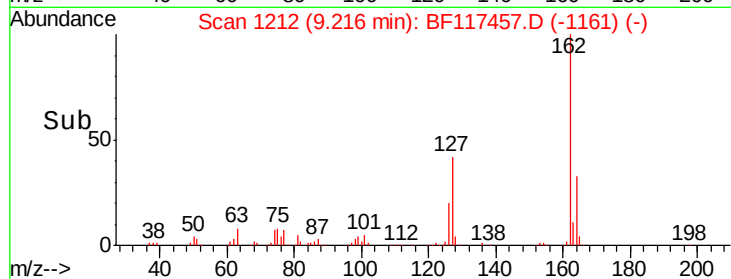
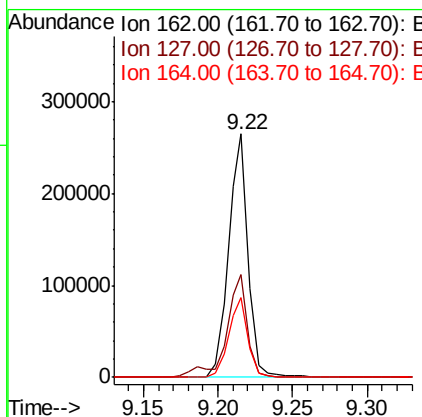
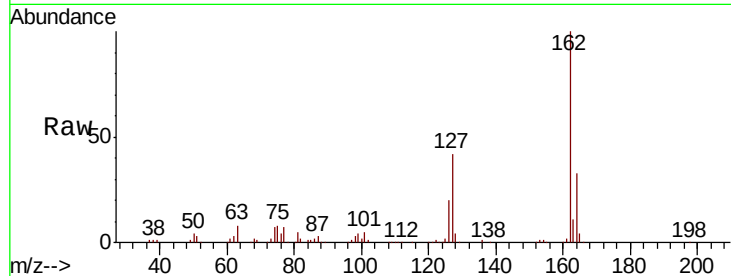
#47
 2-Chloronaphthalene
 Concen: 25.999 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.2	51.4
164	33.0	26.4	39.6

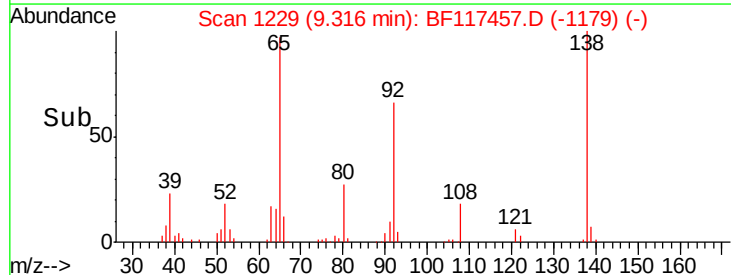
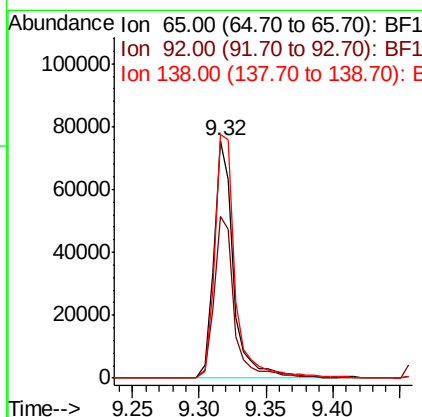
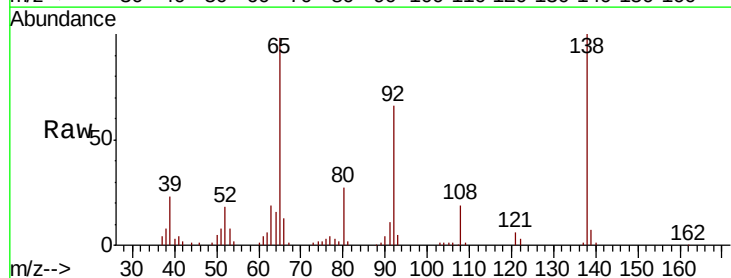
Manual Integrations
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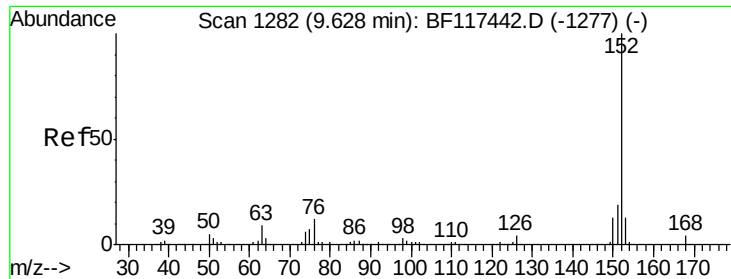
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#48
 2-Nitroaniline
 Concen: 25.515 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.8	57.3	85.9
138	102.5	93.3	139.9





#49

Acenaphthylene

Concen: 28.023 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

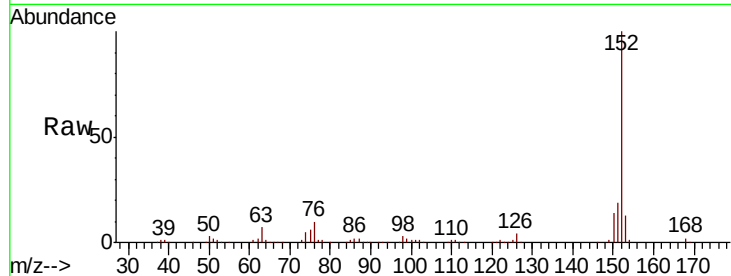
ClientSampleId :

CL-02-101819MSD

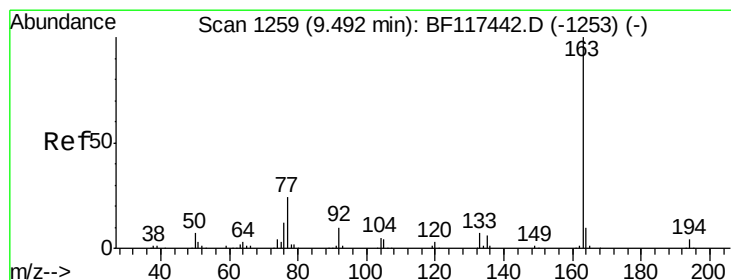
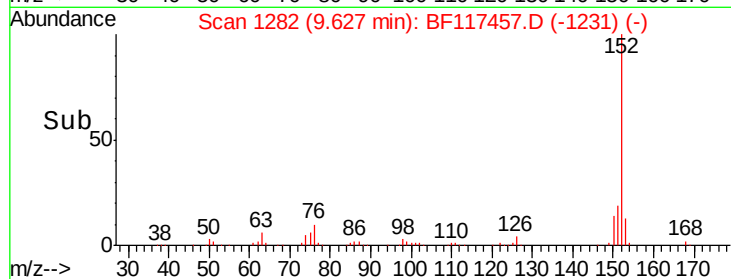
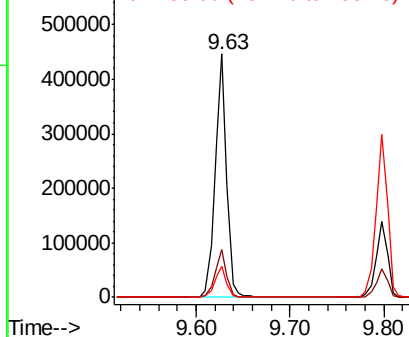
Tot Ion:	152	Resp:	386370
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.4	23.0
153	13.0	10.3	15.5

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 28.149 ng

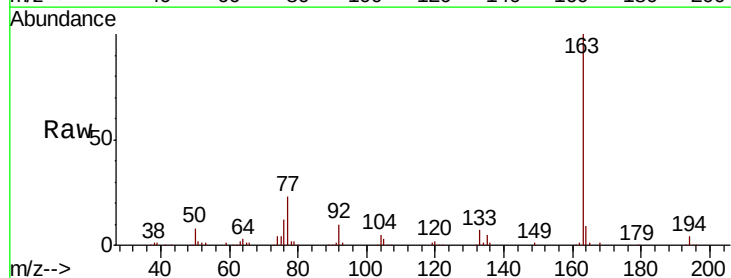
RT: 9.49 min Scan# 1259

Delta R.T. -0.00 min

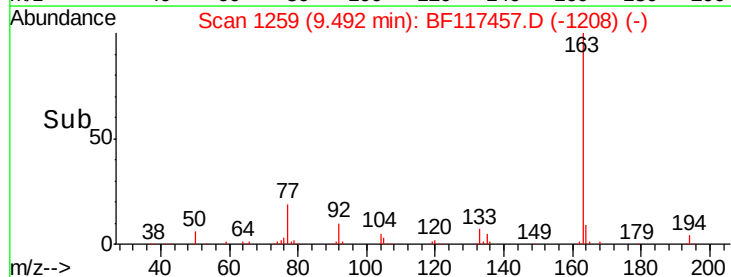
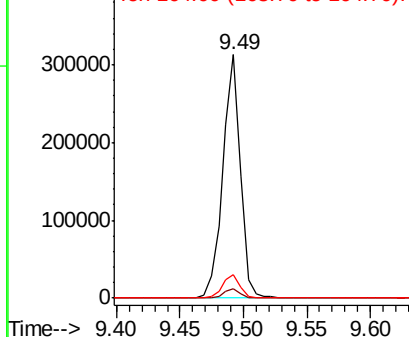
Lab File: BF117457.D

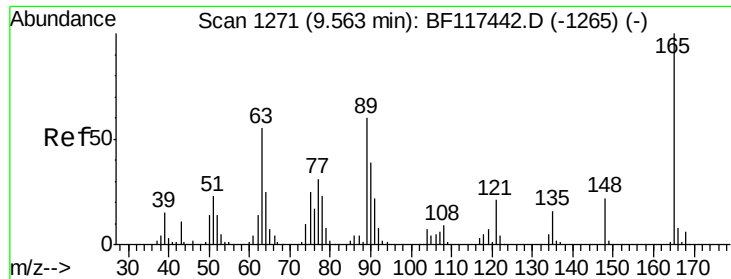
Acq: 21 Oct 2019 19:48

Tgt Ion:	163	Resp:	301768
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.9	4.3
164	9.5	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





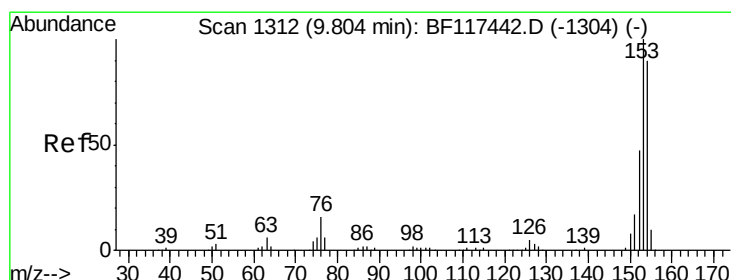
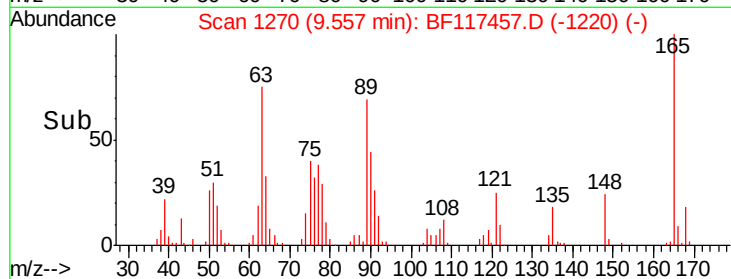
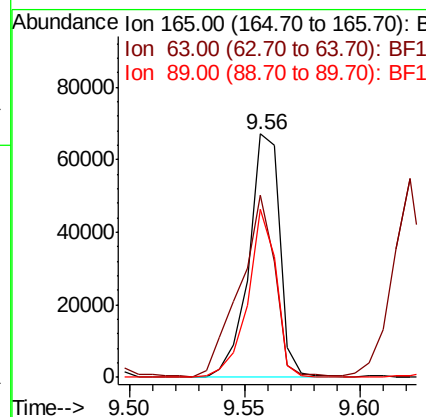
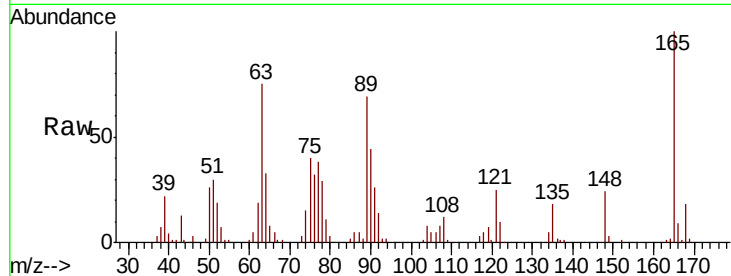
#51
 2,6-Dinitrotoluene
 Concen: 28.232 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	63158		
63	74.7	43.8	65.8#	
89	69.2	47.6	71.4	

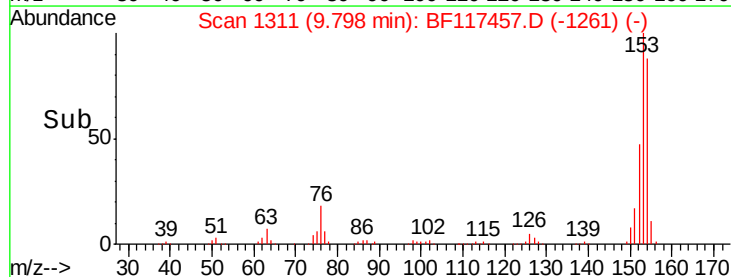
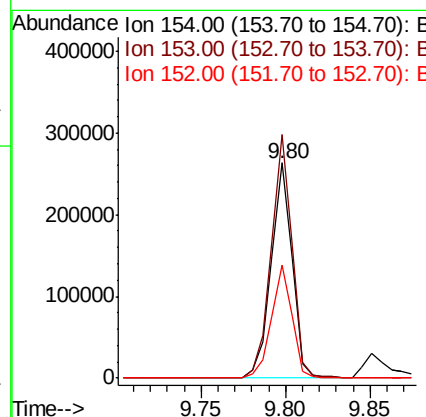
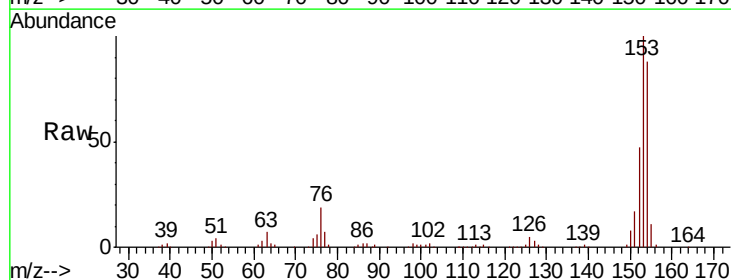
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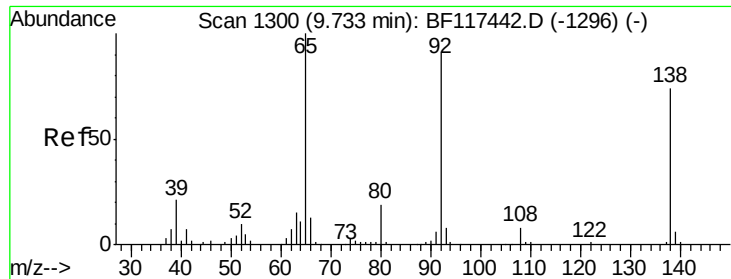
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#52
 Acenaphthene
 Concen: 26.709 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	225928		
153	113.2	89.2	133.8	
152	52.8	41.8	62.6	





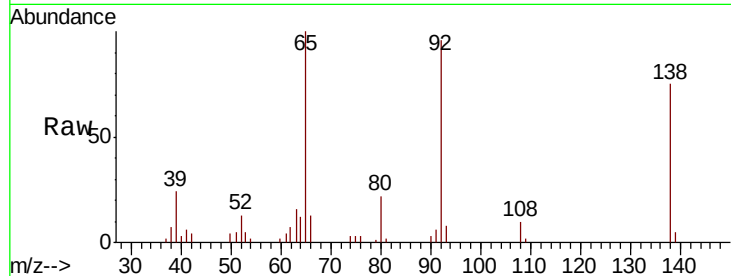
#53
3-Nitroaniline
Concen: 7.504 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.6	8.7	13.1#
92	127.8	98.4	147.6

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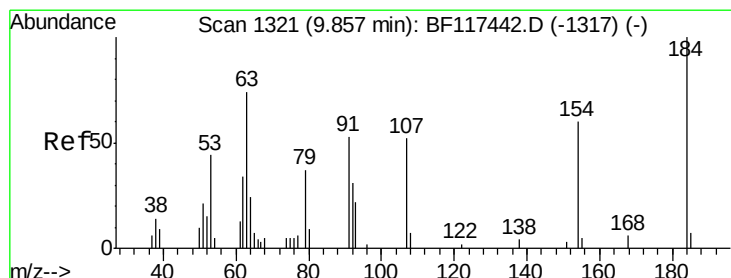
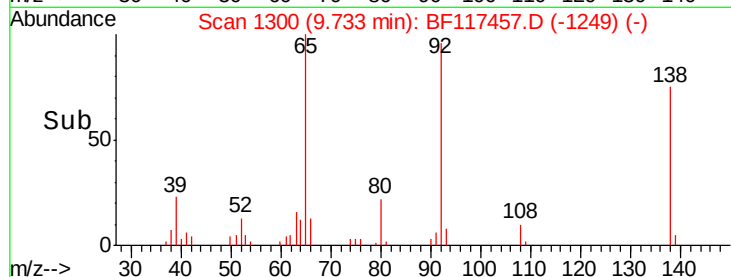
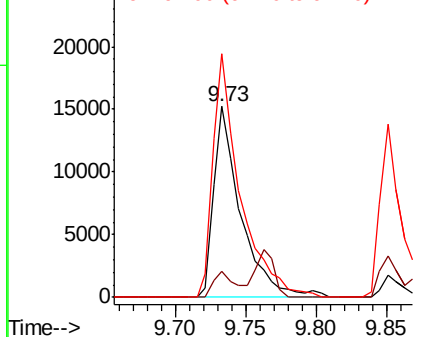


Abundance

Ion 138.00 (137.70 to 138.70): E

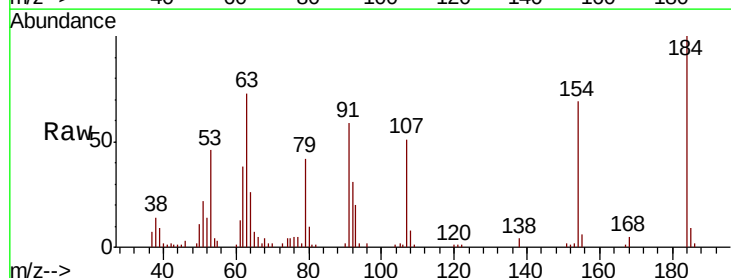
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 56.146 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	73.5	59.2	88.8
154	69.2	53.4	80.0

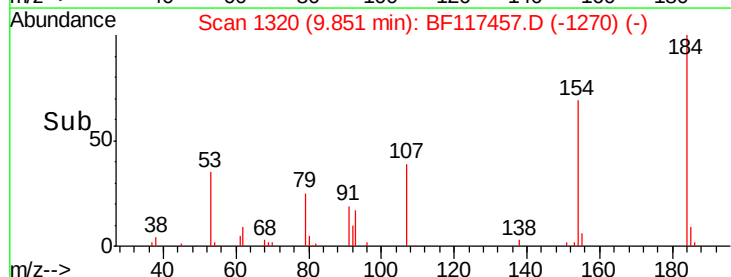
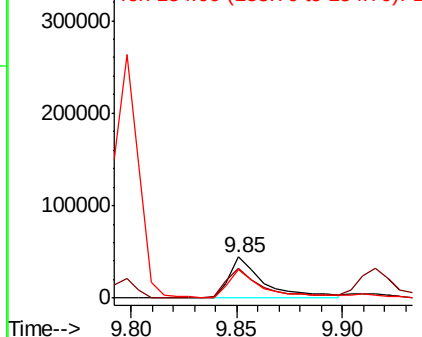


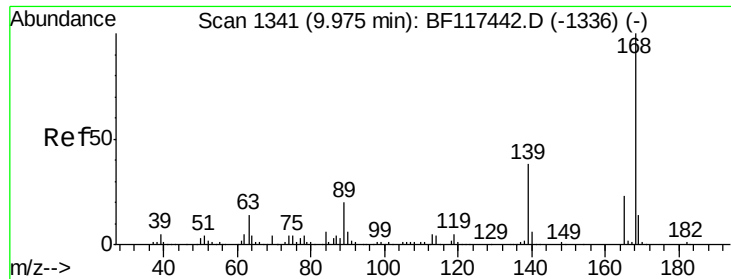
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





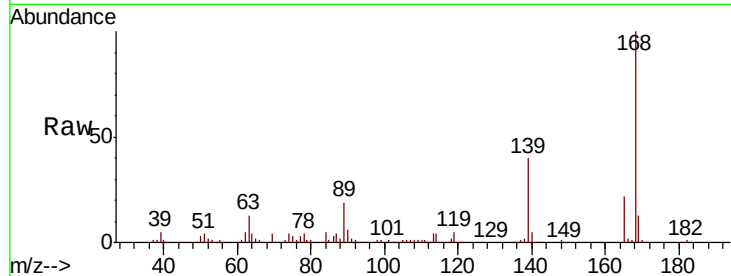
#55
Dibenzofuran
Concen: 28.132 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

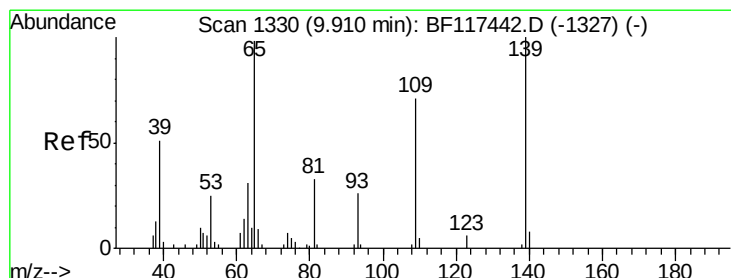
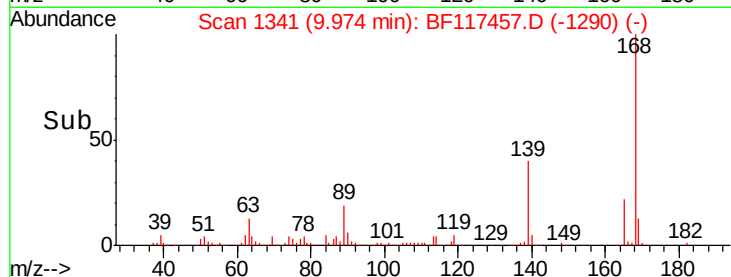
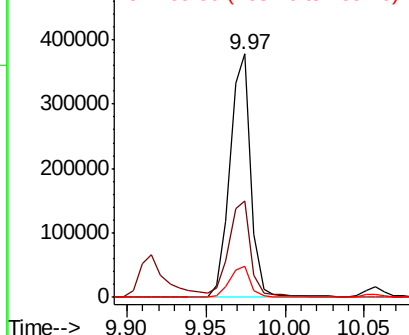
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.8	47.6
169	12.5	11.2	16.8

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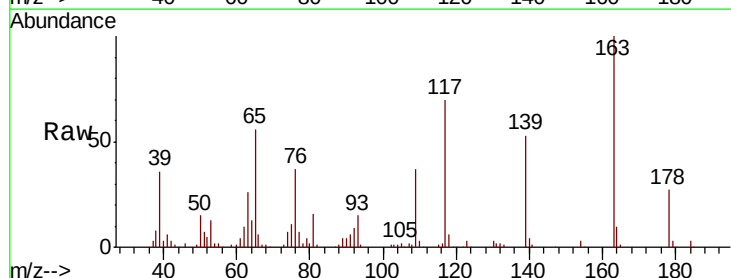


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

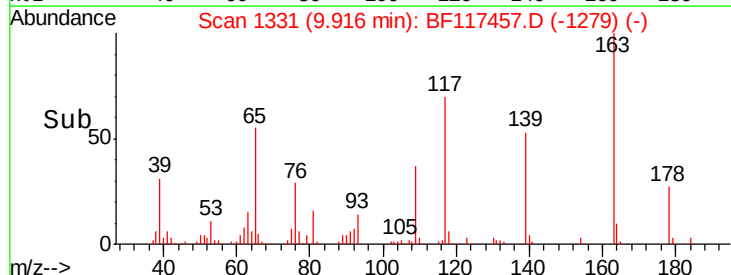
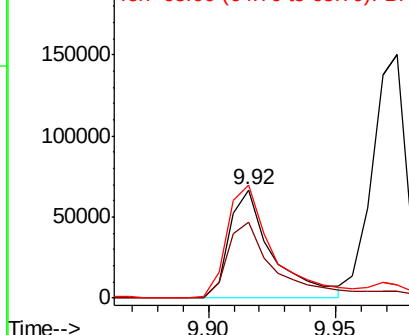


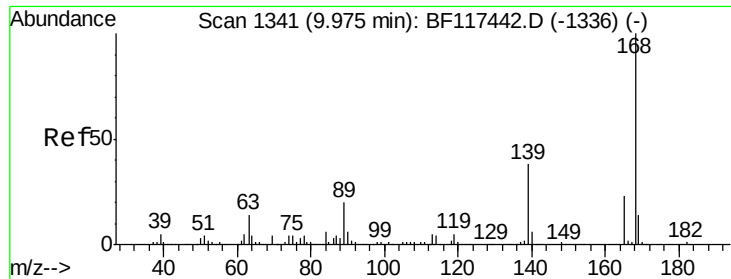
#56
4-Nitrophenol
Concen: 64.457 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	70.1	51.4	91.4
65	104.4	79.4	119.4



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





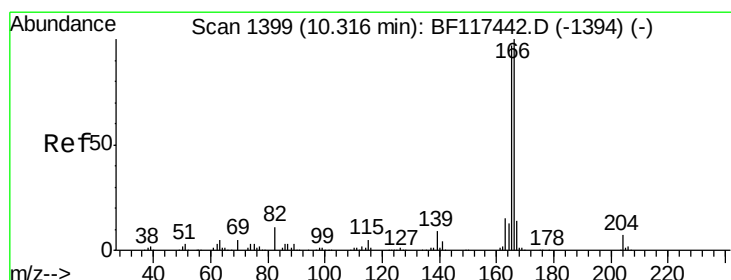
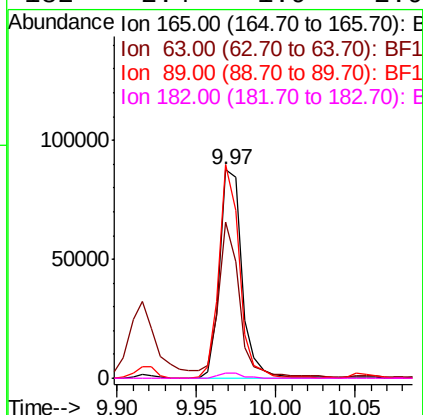
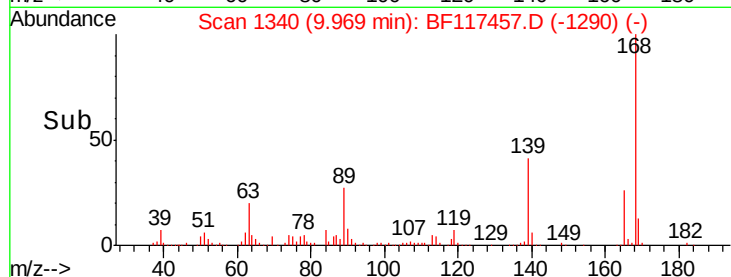
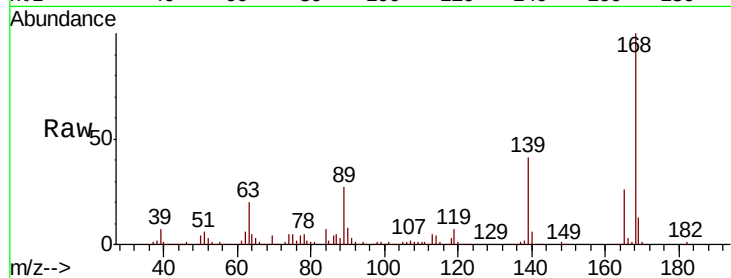
#57
2,4-Dinitrotoluene
Concen: 28.789 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	85625		
63	75.3		51.4	77.0
89	102.6		69.9	104.9
182	2.4		1.9	2.9

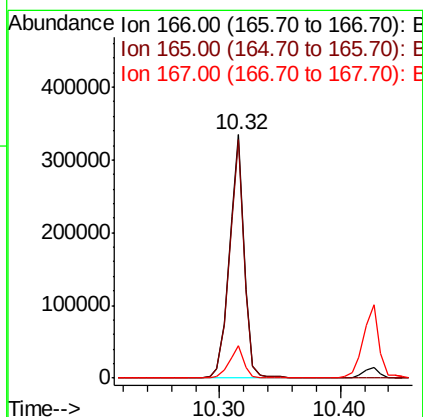
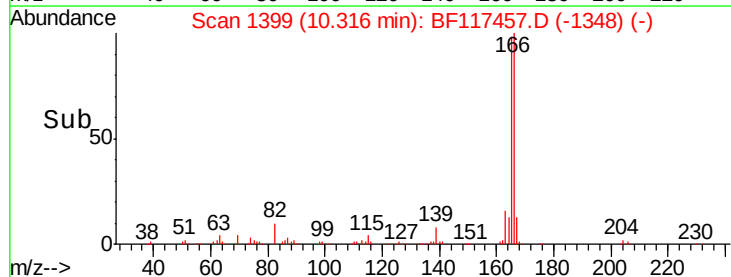
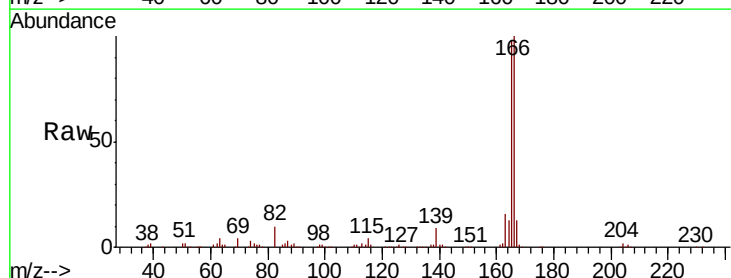
Manual Integrations
APPROVED

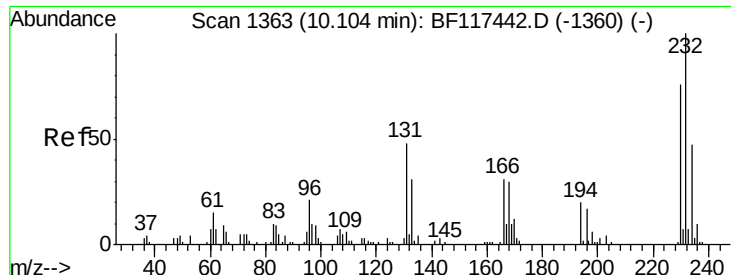
mohammad
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#58
Fluorene
Concen: 28.025 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	284021		
165	98.1		77.6	116.4
167	13.1		11.0	16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 30.266 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

ClientSampleId :

CL-02-101819MSD

Tot Ion:232 Resp: 61140

Ion Ratio Lower Upper

232 100

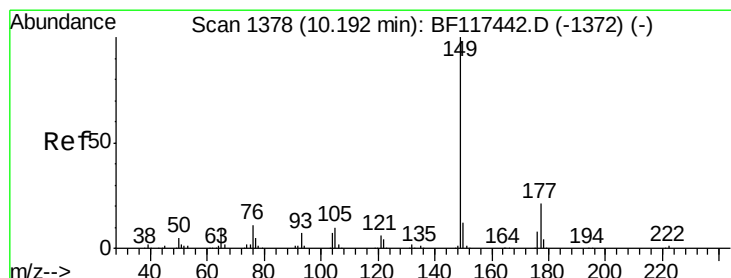
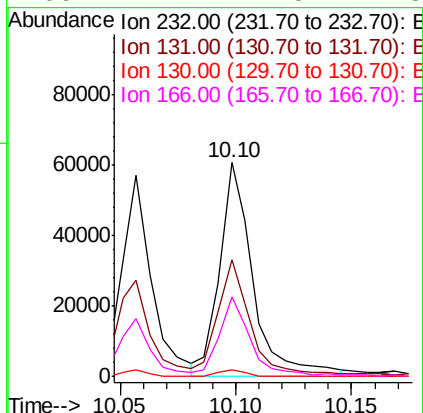
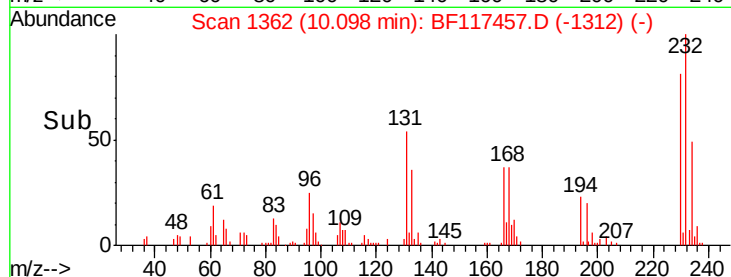
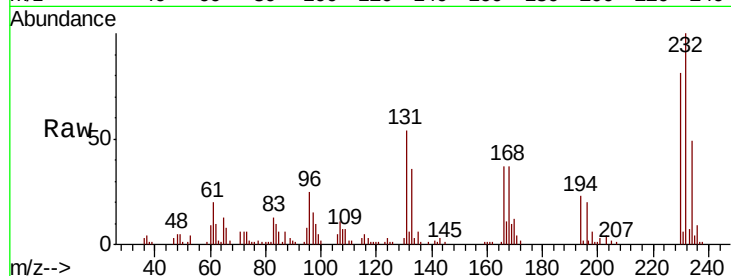
131 43.1 42.6 63.8

130 2.1 2.2 3.4#

166 24.7 27.5 41.3#

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#60

Diethylphthalate

Concen: 28.260 ng

RT: 10.19 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

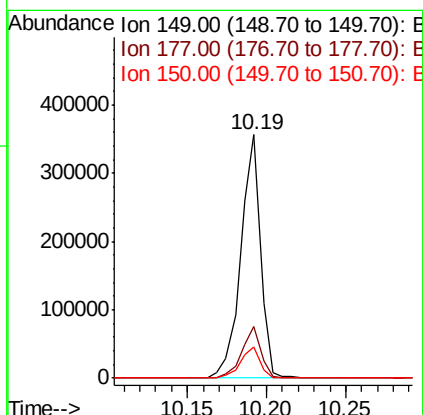
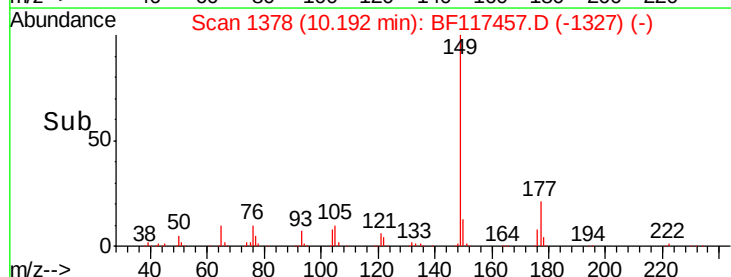
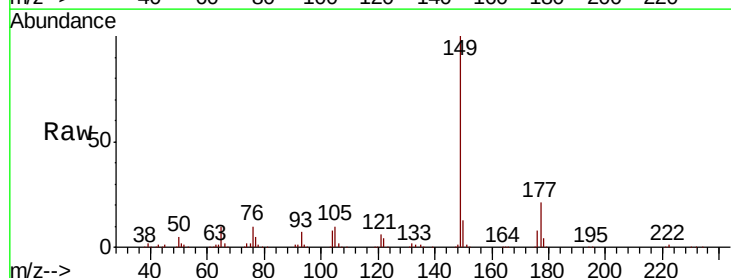
Tgt Ion:149 Resp: 306437

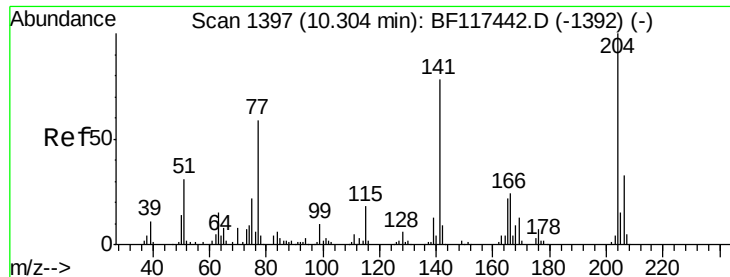
Ion Ratio Lower Upper

149 100

177 21.2 17.0 25.4

150 12.7 9.8 14.6





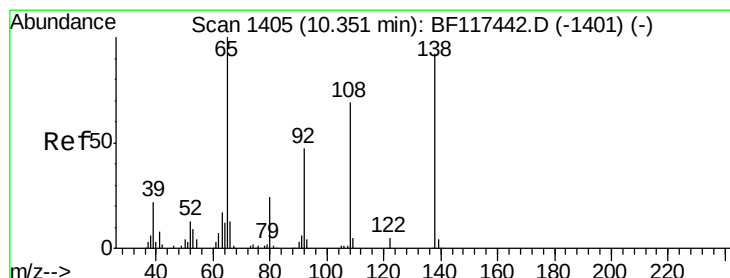
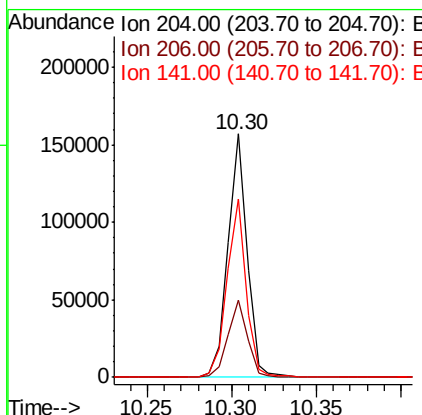
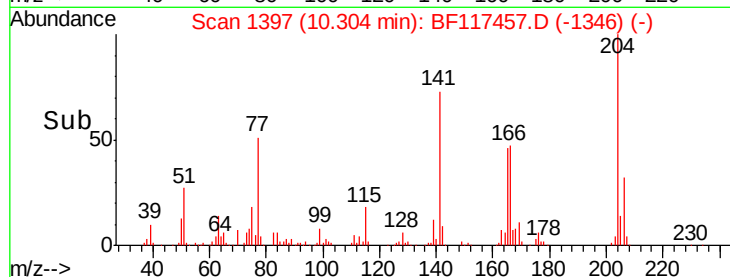
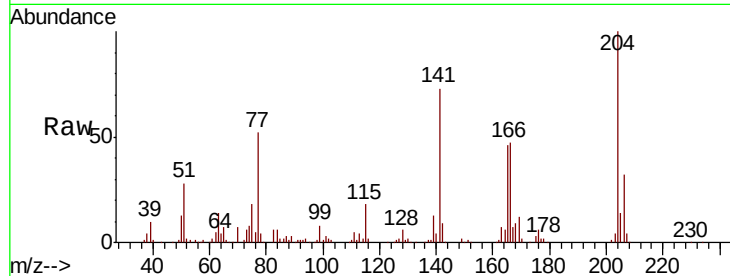
#61
4-Chlorophenyl-phenylether
Concen: 27.157 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.3	39.5
141	73.4	62.2	93.4

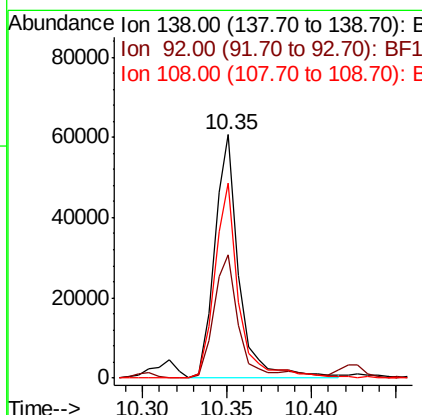
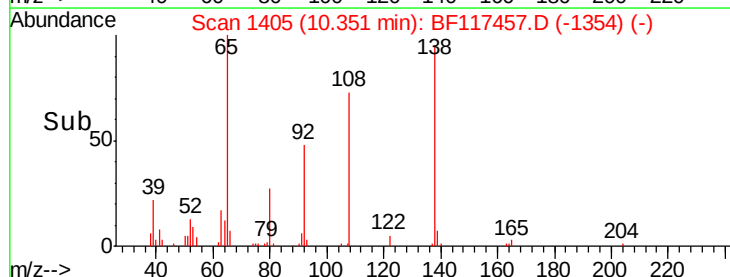
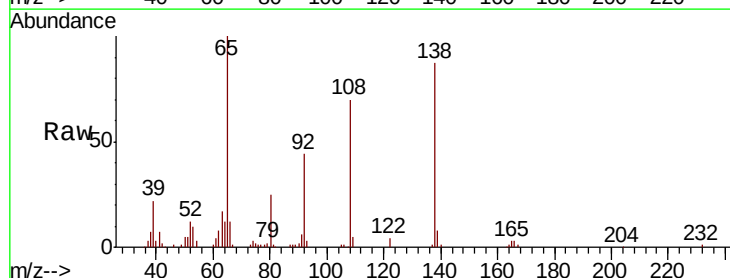
Manual Integrations
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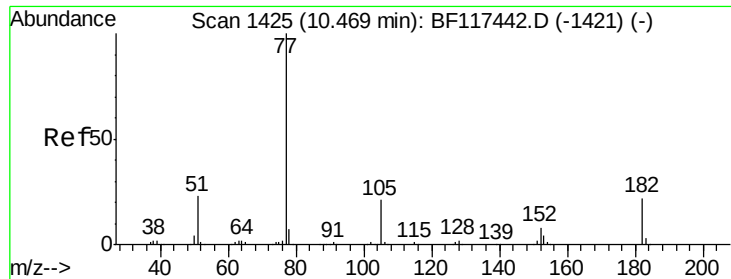
mohammad
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#62
4-Nitroaniline
Concen: 23.937 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.6	30.3	70.3
108	80.0	54.9	94.9





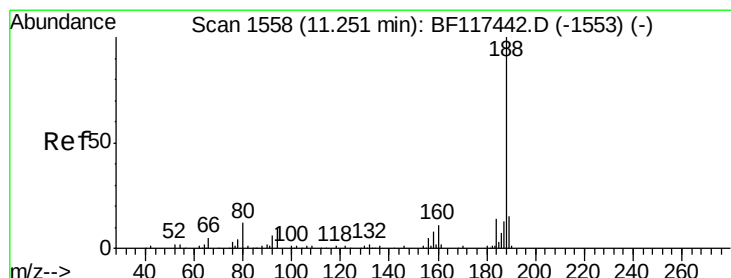
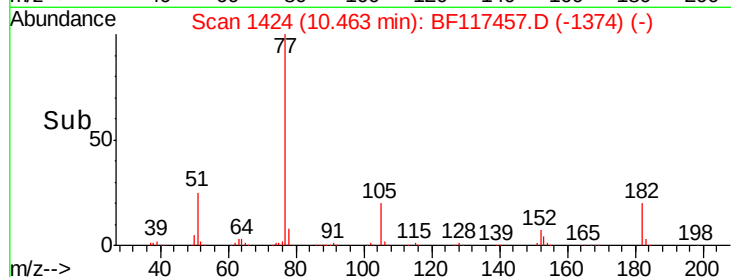
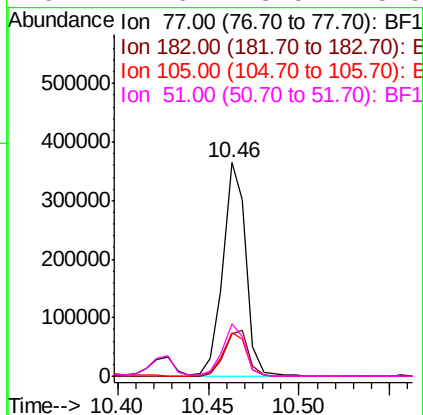
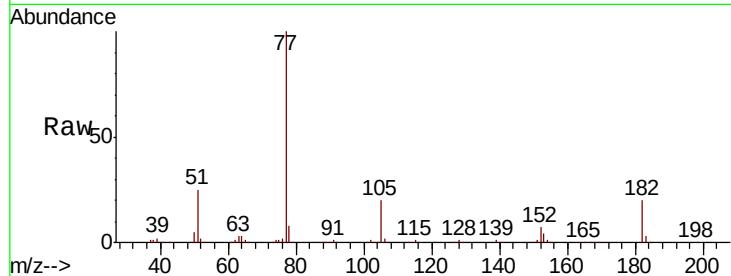
#63
Azobenzene
Concen: 28.759 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		319231		
182	19.7	2.3	42.3		
105	20.4	1.3	41.3		
51	24.6	3.5	43.5		

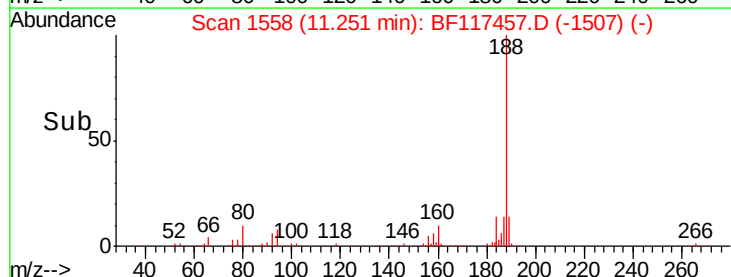
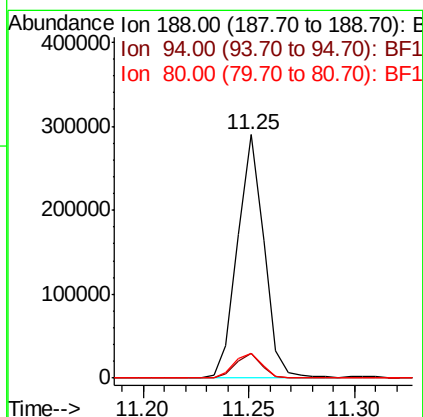
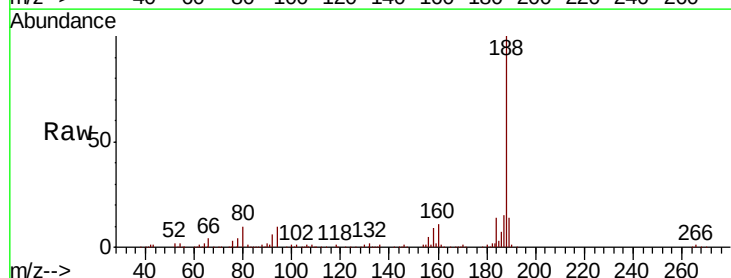
Manual Integrations
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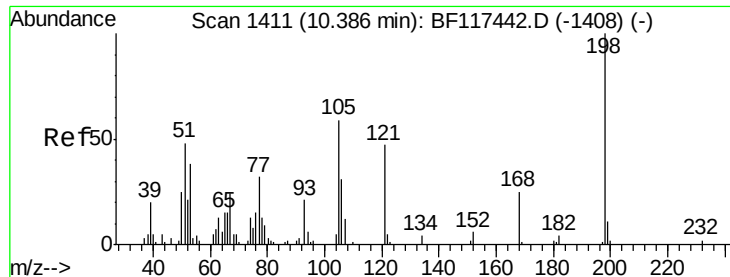
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		251709		
94	9.9	8.0	12.0		
80	10.4	9.5	14.3		





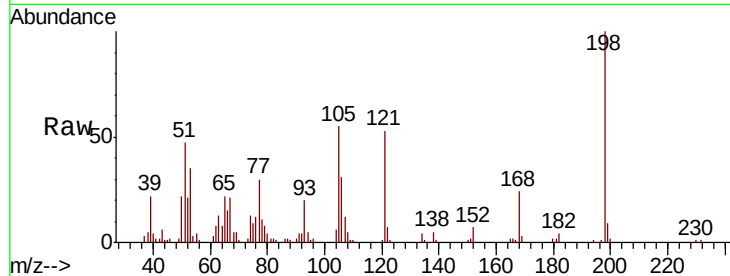
#65
4,6-Dinitro-2-methylphenol
Concen: 29.722 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

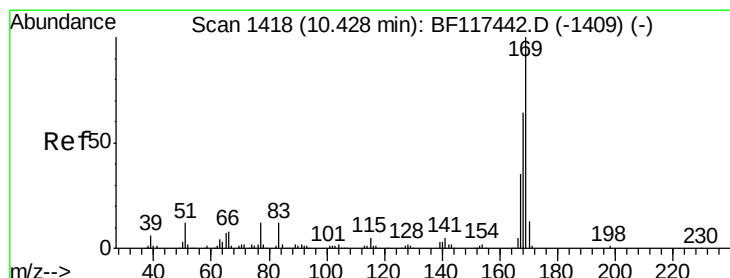
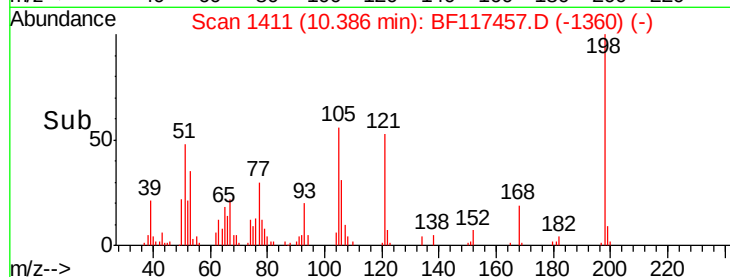
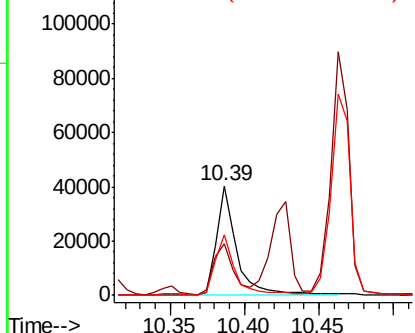
Tot Ion	Ratio	Lower	Upper
198	100		
51	47.1	29.1	69.1
105	55.0	39.4	79.4

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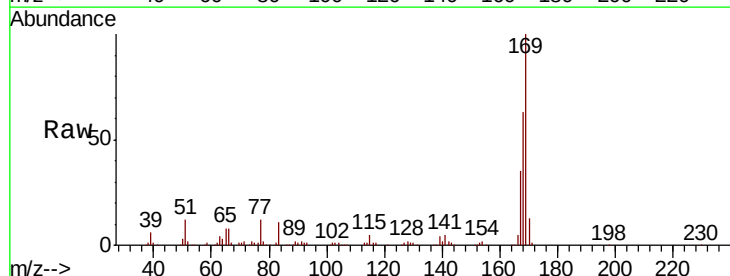


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

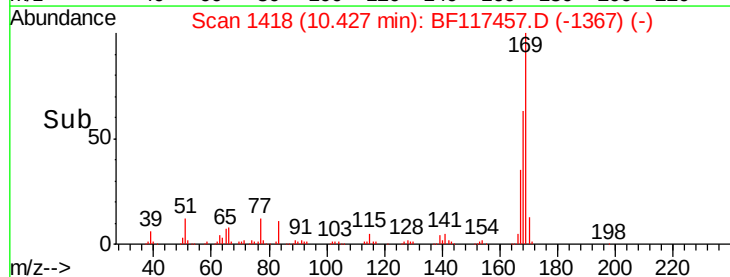
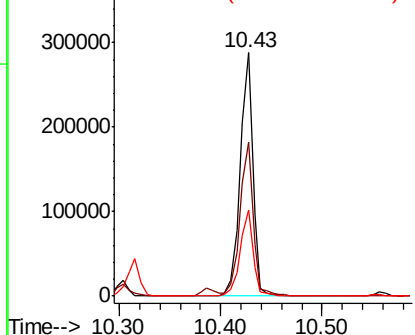


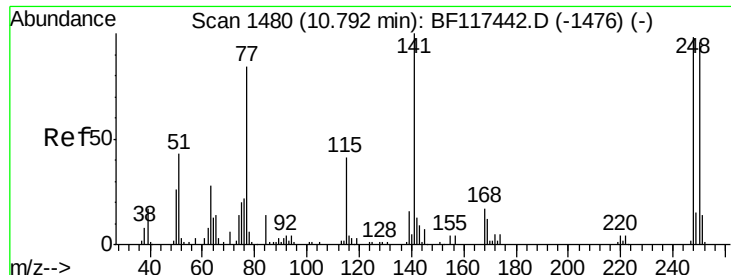
#66
n-Nitrosodiphenylamine
Concen: 27.402 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
169	100		
168	63.2	51.3	76.9
167	35.2	28.2	42.4



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 26.373 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

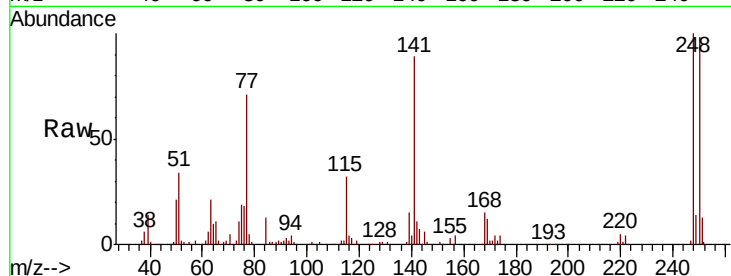
ClientSampleId :

CL-02-101819MSD

Tot Ion:	248	Resp:	71501
Ion Ratio	Lower	Upper	
248	100		
250	97.6	78.0	117.0
141	88.8	81.7	122.5

Manual Integrations
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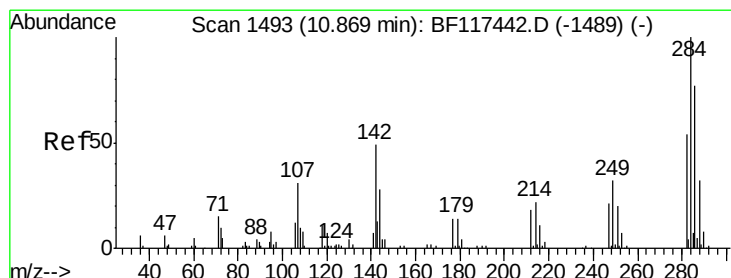
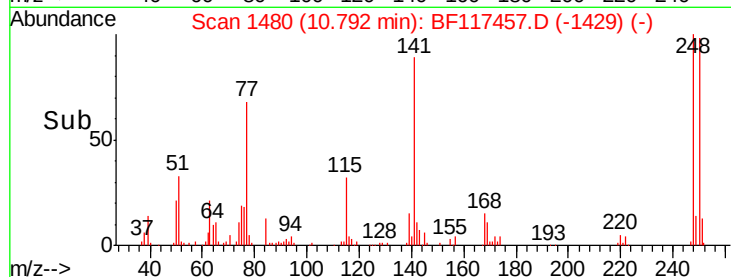
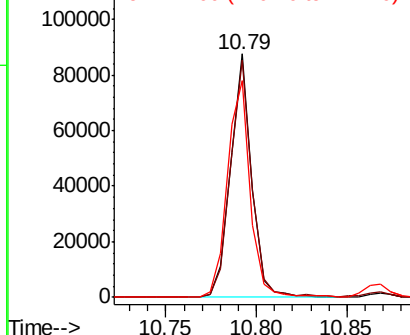


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 26.102 ng

RT: 10.87 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

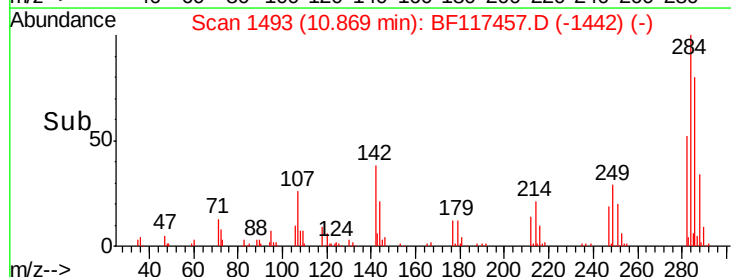
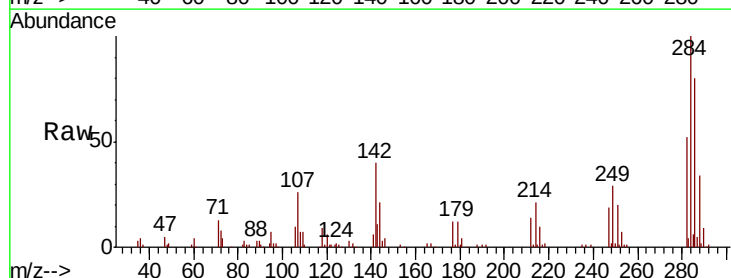
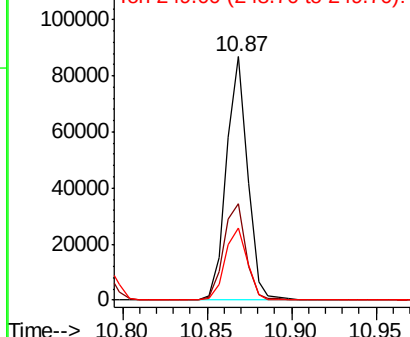
Tgt Ion:	284	Resp:	75788
Ion Ratio	Lower	Upper	
284	100		
142	39.7	39.0	58.6
249	29.5	25.7	38.5

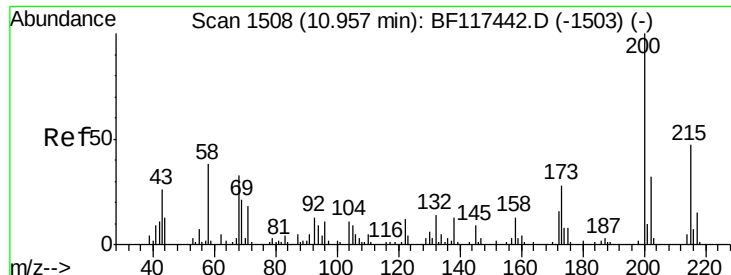
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





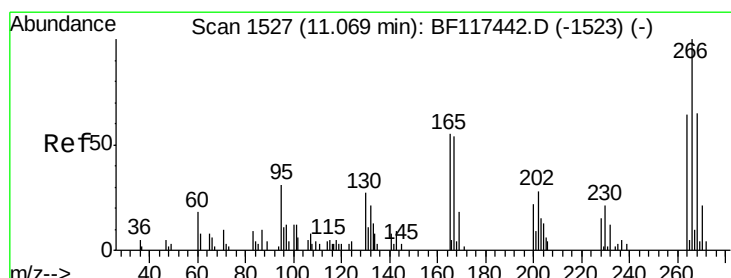
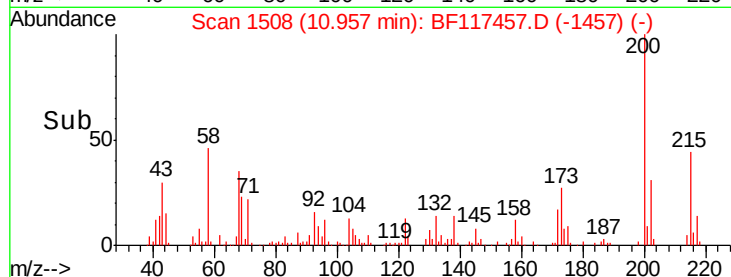
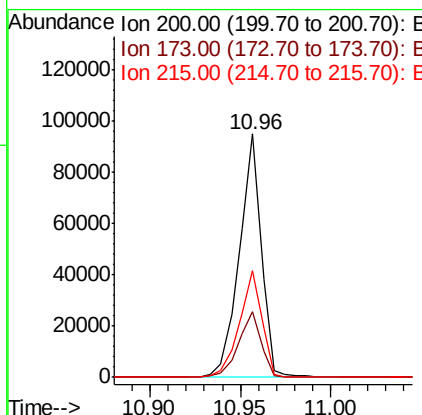
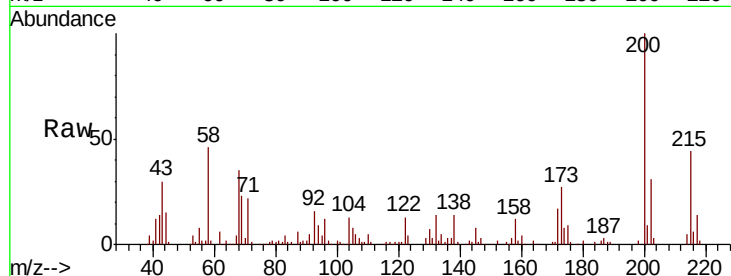
#69
Atrazine
Concen: 34.253 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.2	8.2	48.2
215	44.1	26.8	66.8

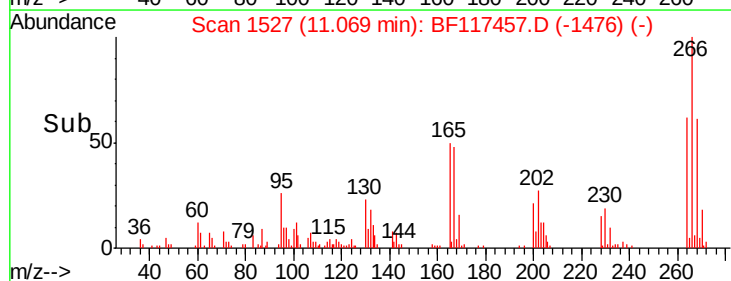
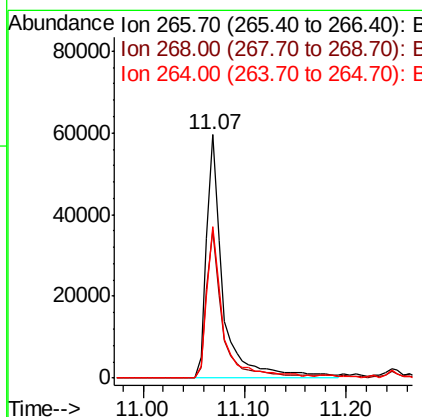
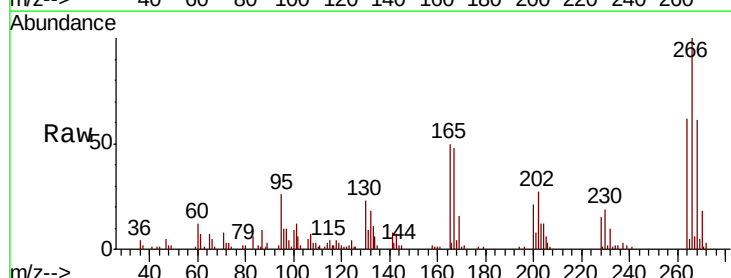
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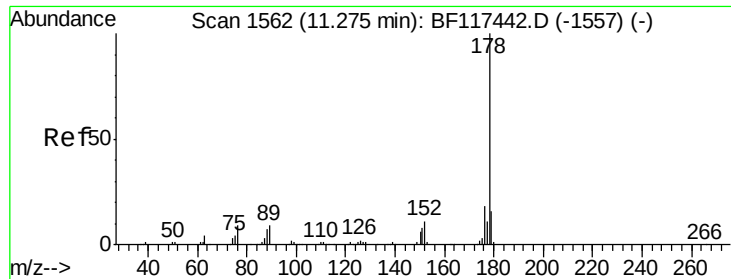
mohammad
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#70
Pentachlorophenol
Concen: 77.177 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.5	51.6	77.4
264	62.3	51.4	77.2





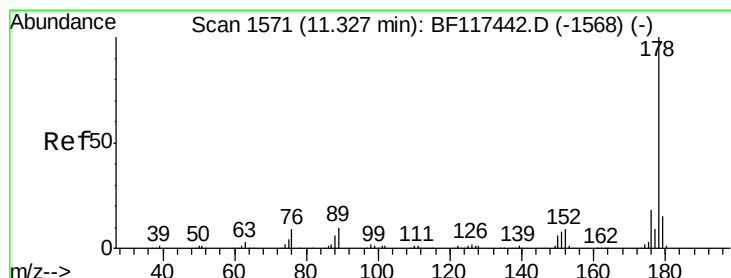
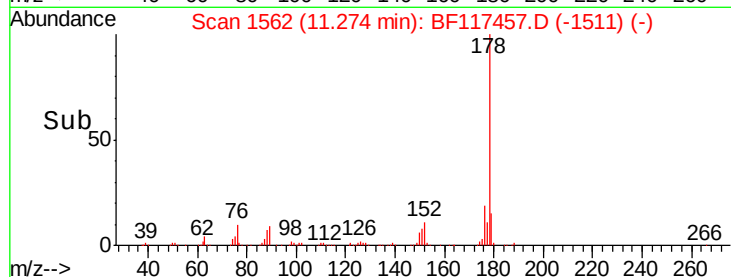
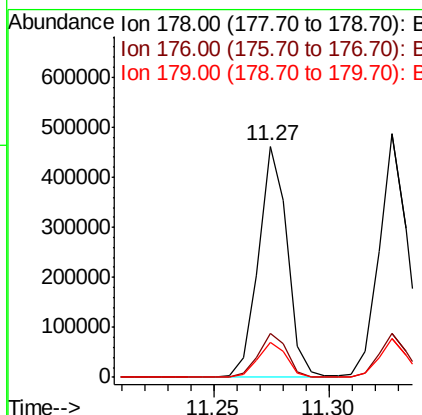
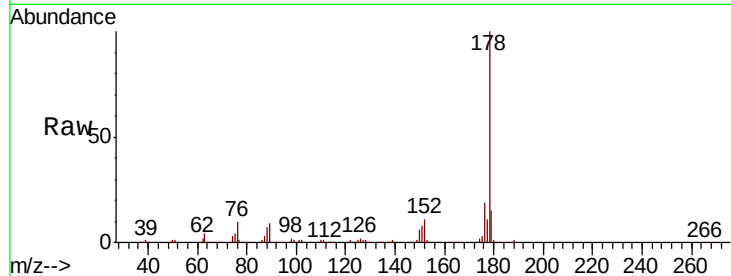
#71
Phenanthrene
Concen: 27.569 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.2	12.6	19.0

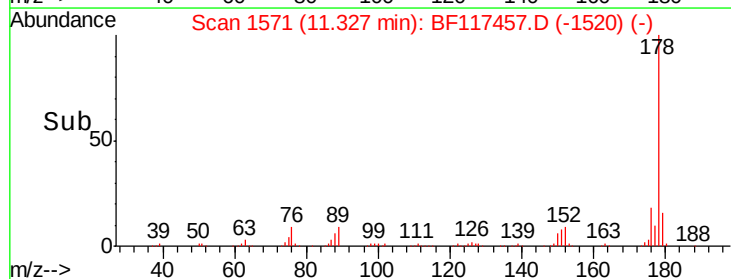
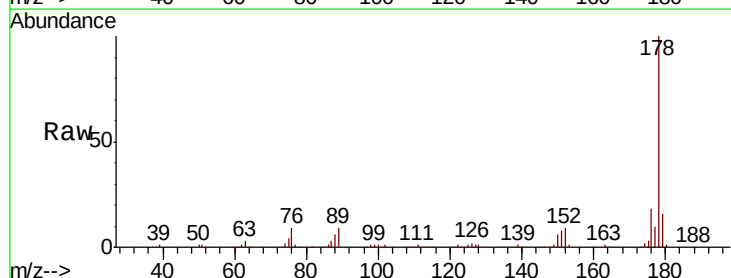
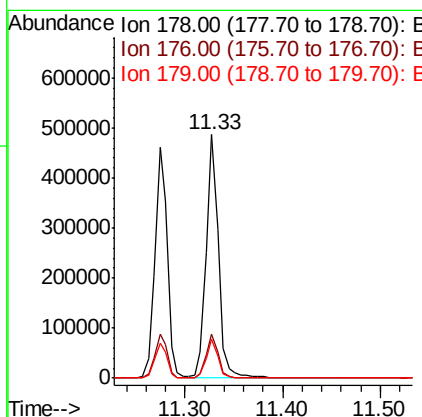
Manual Integrations
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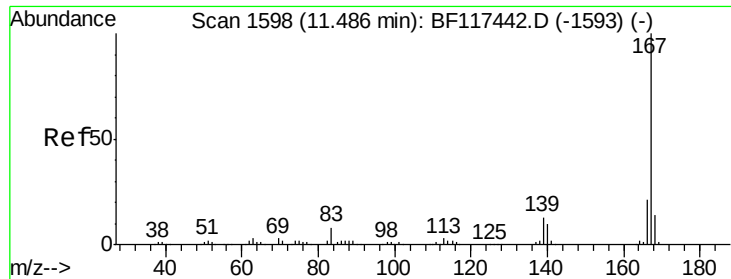
mohammad
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#72
Anthracene
Concen: 28.630 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	16.2	12.2	18.2





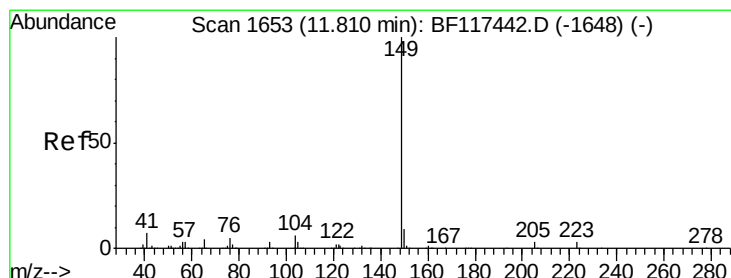
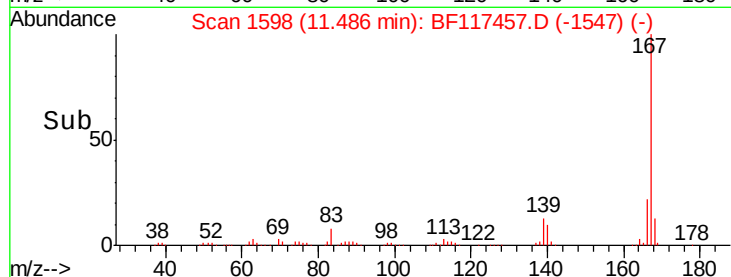
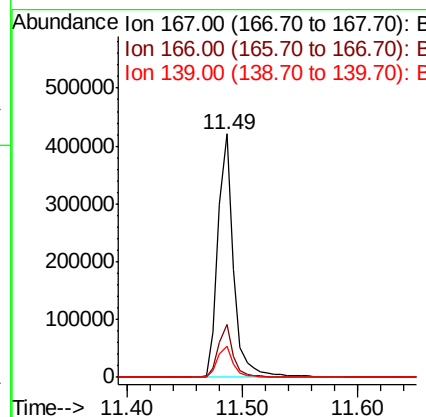
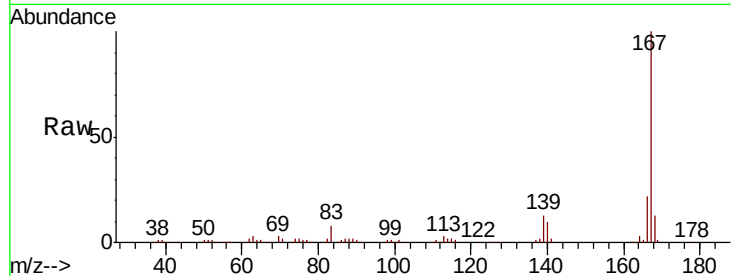
#73
 Carbazole
 Concen: 28.945 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	12.9	10.6	16.0

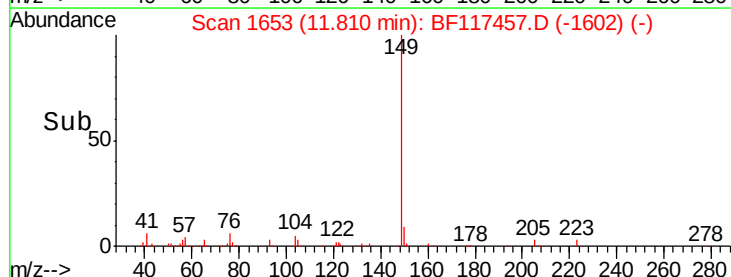
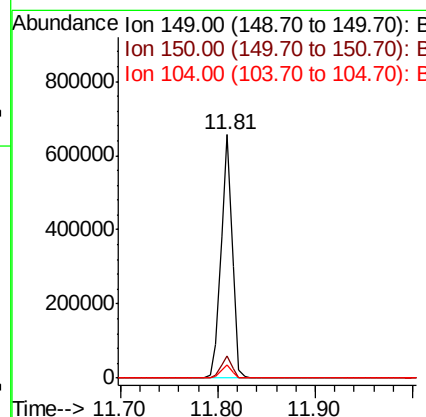
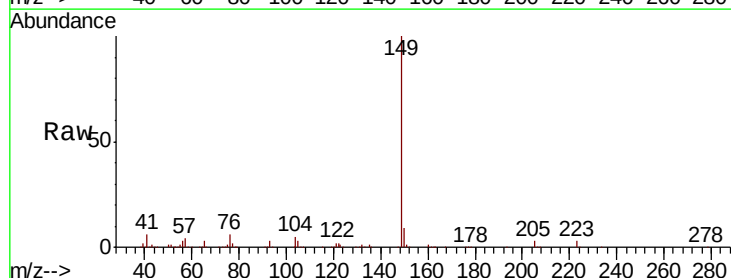
Manual Integrations
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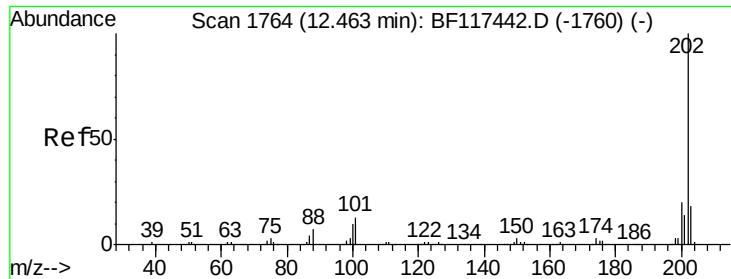
mohammad
 10/22/2019 3:29:20 PM



#74
 Di-n-butylphthalate
 Concen: 28.531 ng
 RT: 11.81 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.3	4.6	6.8





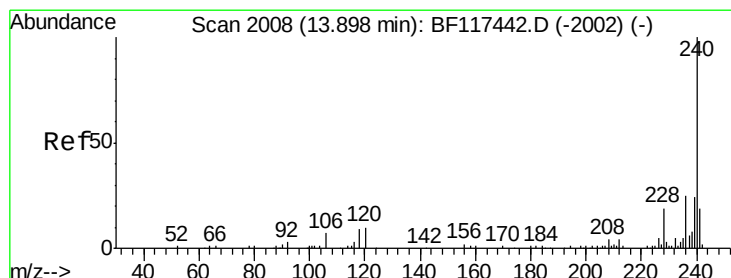
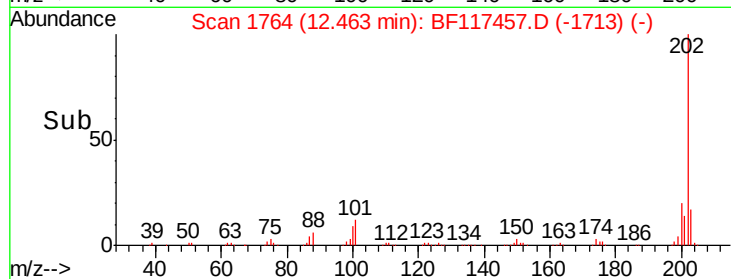
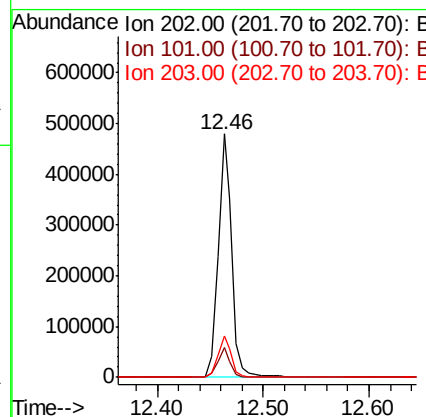
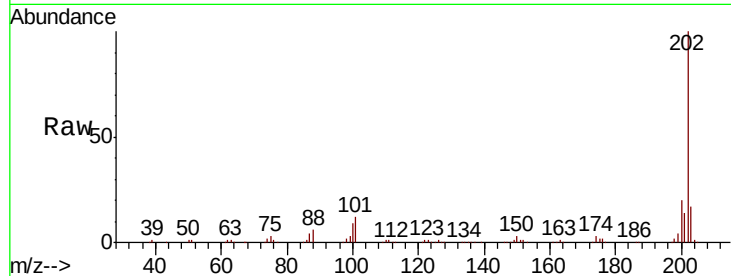
#75
 Fluoranthene
 Concen: 29.773 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	435628		
101	12.0		0.0	32.7
203	17.2		0.0	37.6

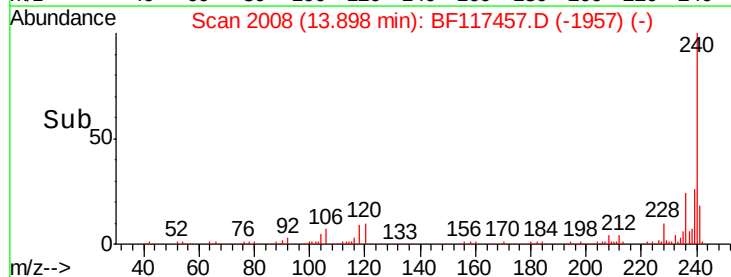
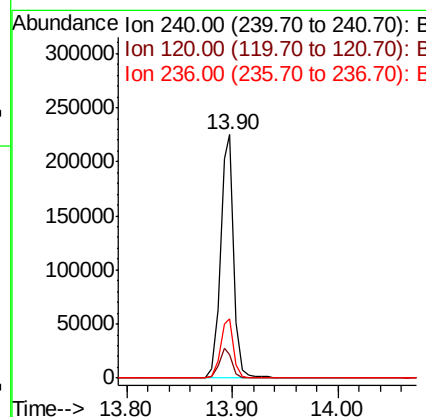
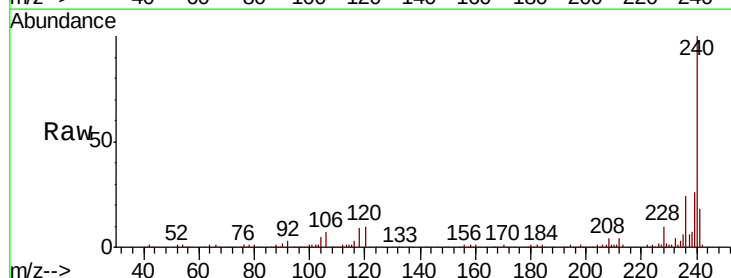
Manual Integrations
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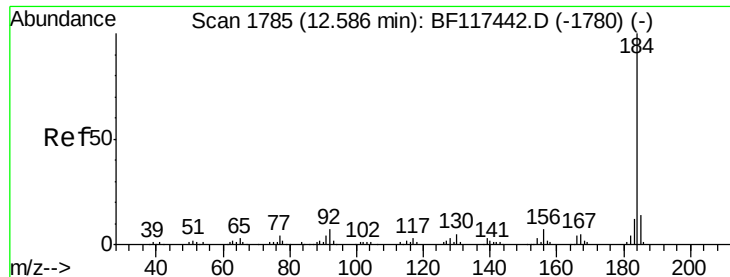
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	201379		
120	9.9		8.4	12.6
236	24.2		20.0	30.0





#77

Benzidine

Concen: 4.901 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

ClientSampleId :

CL-02-101819MSD

Tot Ion:184 Resp: 45888

Ion Ratio Lower Upper

184 100

185 14.7 11.4 17.0

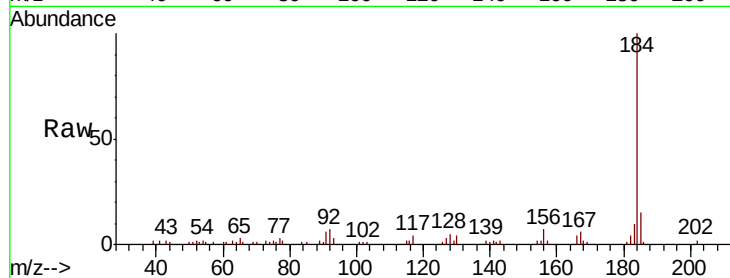
183 10.1 9.6 14.4

Manual Integrations

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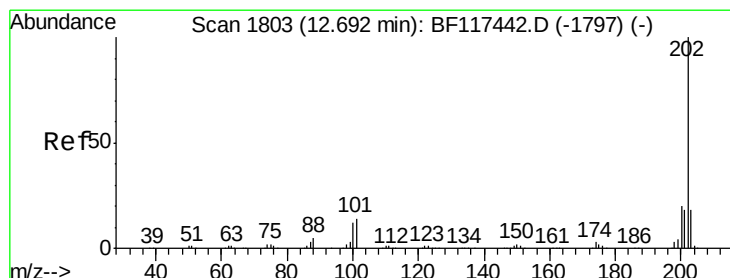
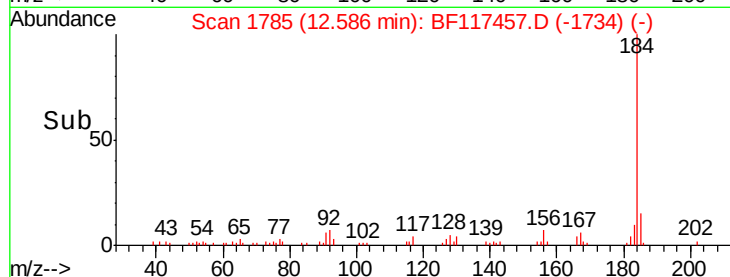
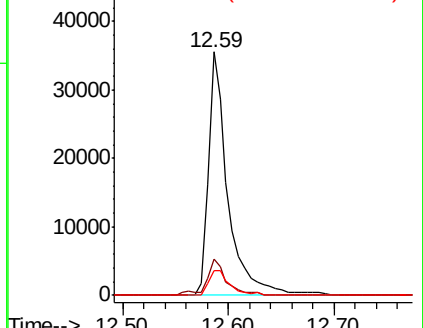
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 25.212 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

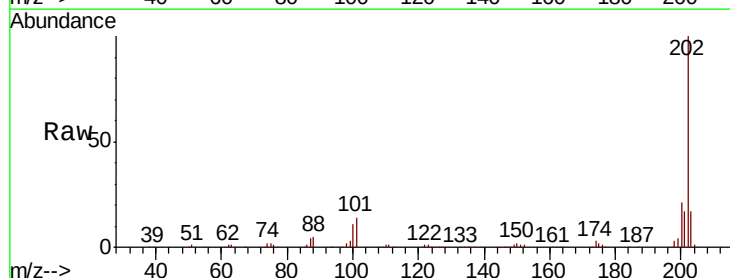
Tgt Ion:202 Resp: 436104

Ion Ratio Lower Upper

202 100

200 20.9 16.2 24.2

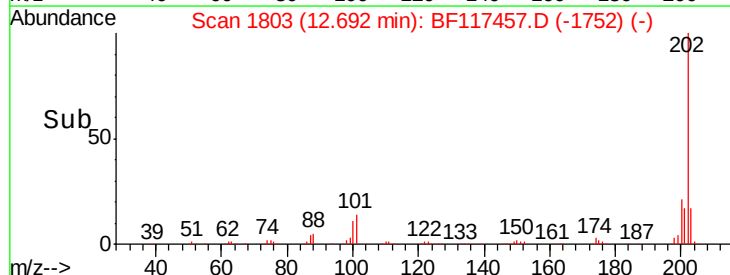
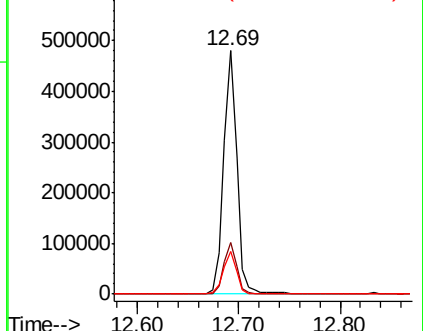
203 17.4 14.0 21.0

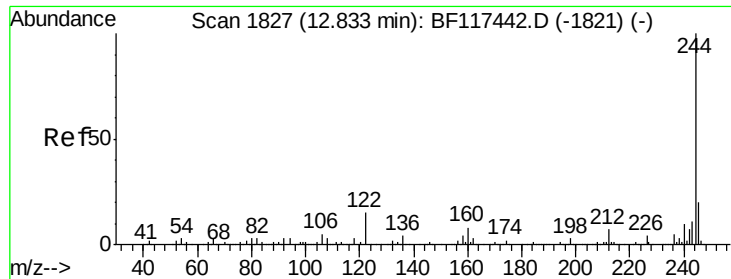


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





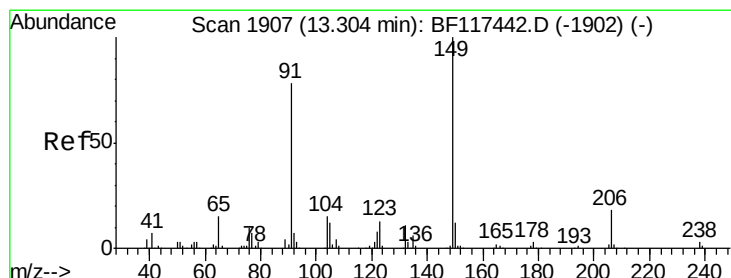
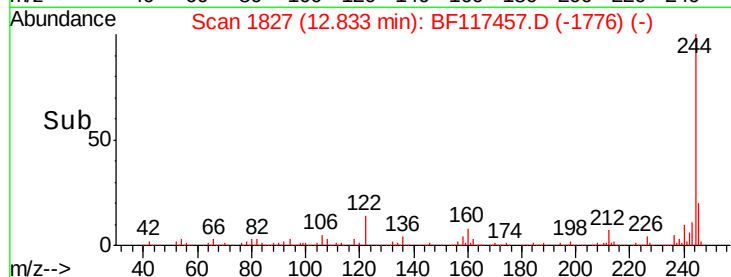
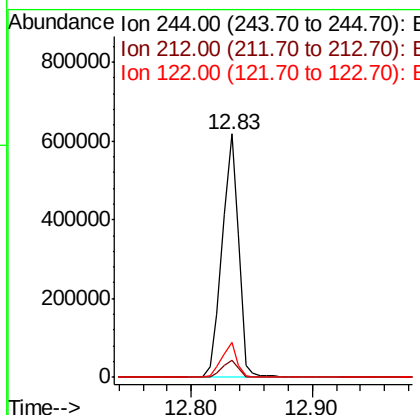
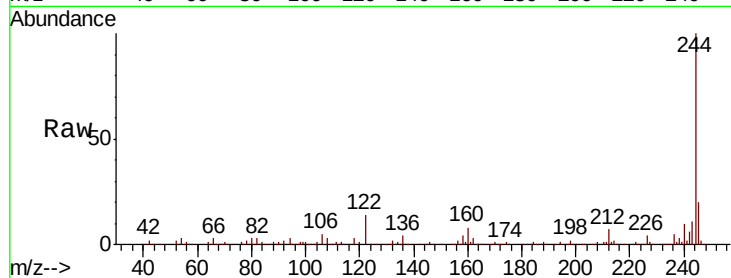
#79
 Terphenyl-d14
 Concen: 46.949 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	14.2	11.8	17.8

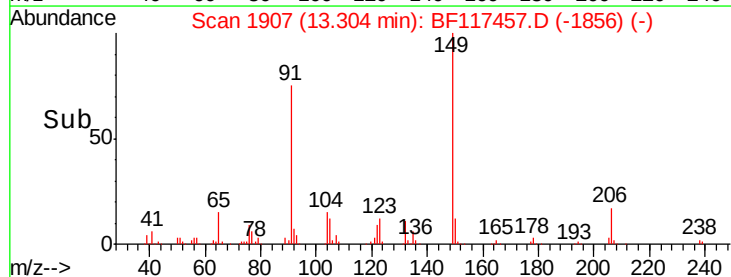
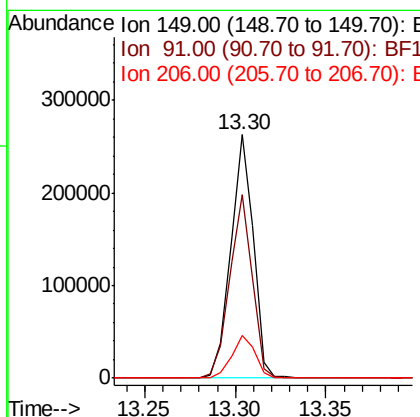
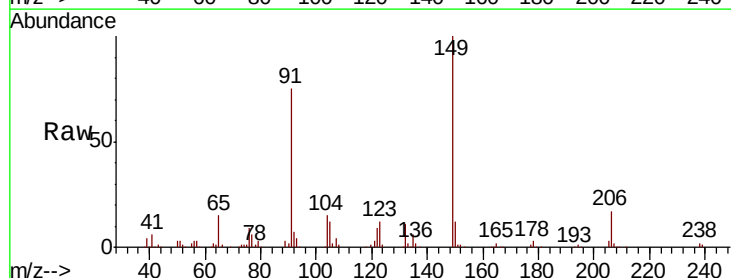
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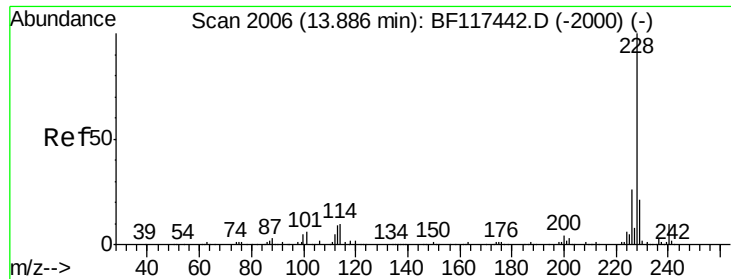
mohammad
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#80
 Butylbenzylphthalate
 Concen: 26.521 ng
 RT: 13.30 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: BF117457.D
 Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.2	62.1	93.1
206	17.3	14.3	21.5





#81

Benzo(a)anthracene

Concen: 27.073 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Instrument :

BNA_F

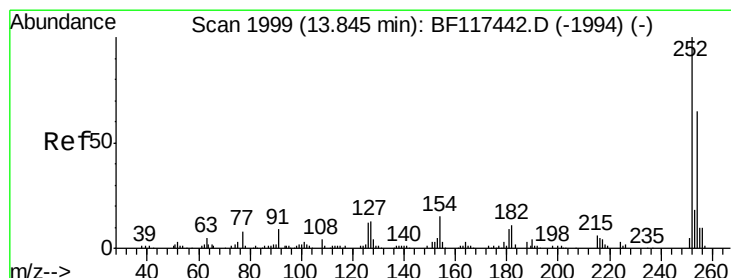
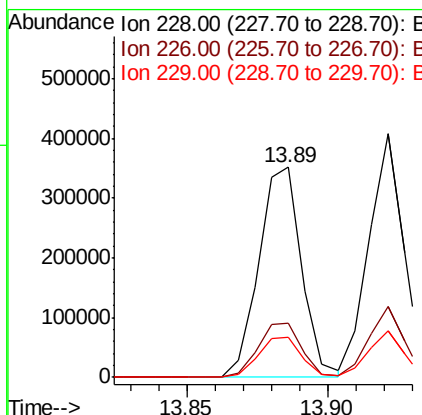
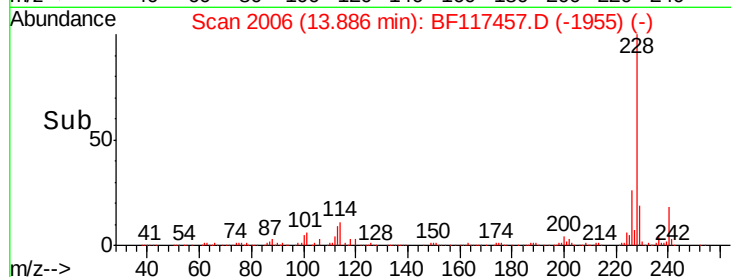
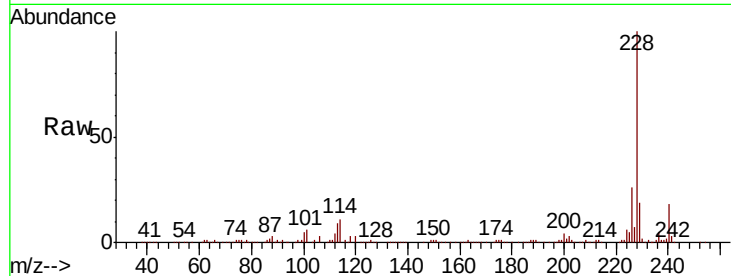
ClientSampleId :

CL-02-101819MSD

Tot Ion:	228	Resp:	367755
Ion Ratio	Lower	Upper	
228	100		
226	25.8	21.0	31.4
229	19.3	16.4	24.6

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 9.595 ng

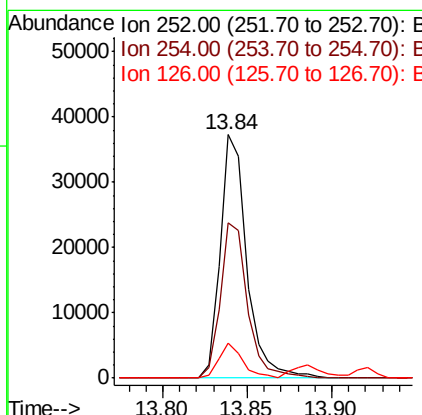
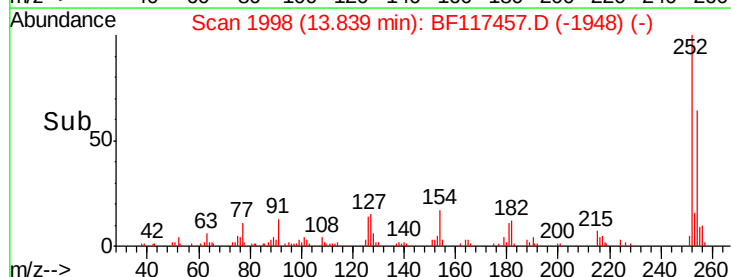
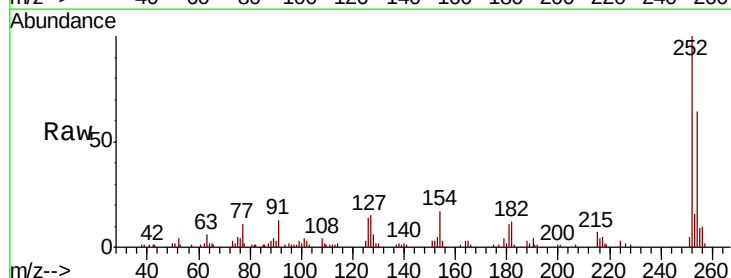
RT: 13.84 min Scan# 1998

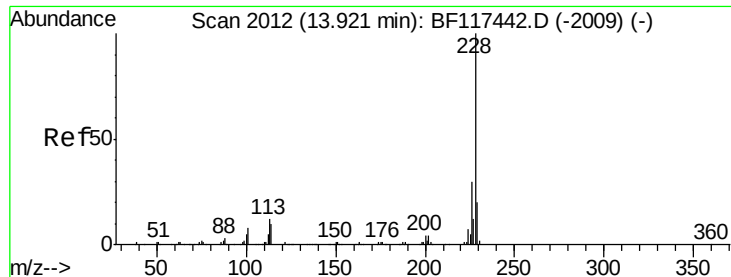
Delta R.T. -0.01 min

Lab File: BF117457.D

Acq: 21 Oct 2019 19:48

Tgt Ion:	252	Resp:	40899
Ion Ratio	Lower	Upper	
252	100		
254	63.7	52.2	78.4
126	14.3	9.2	13.8#





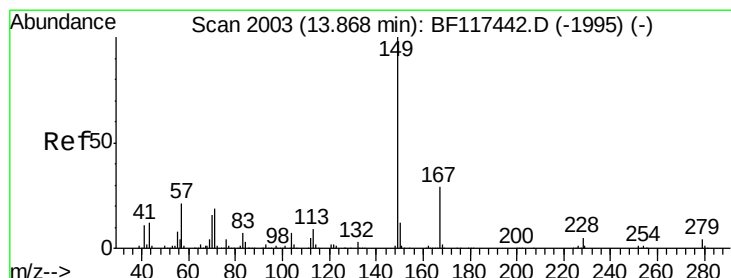
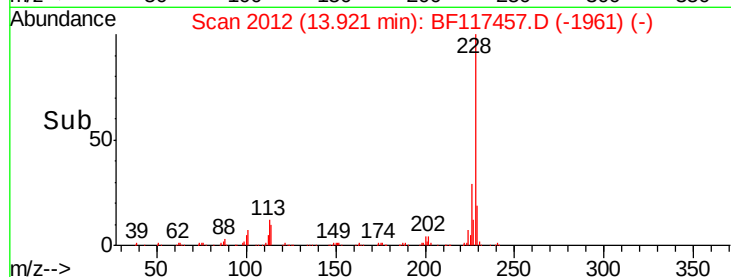
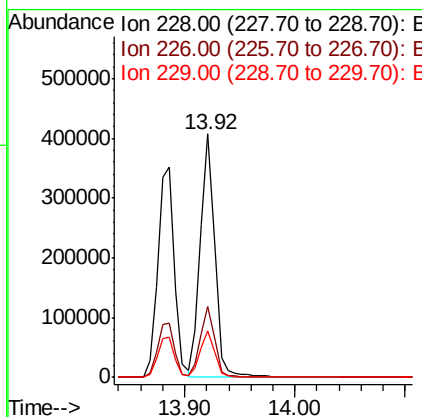
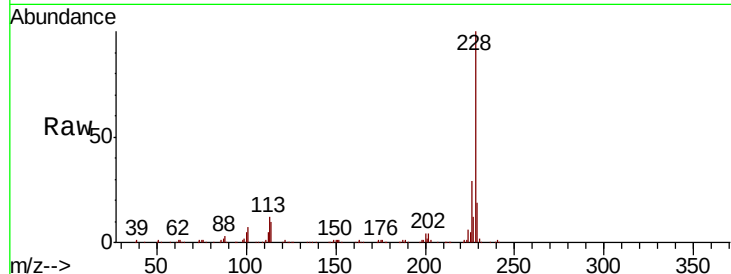
#83
Chrysene
Concen: 27.004 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	19.1	15.8	23.6

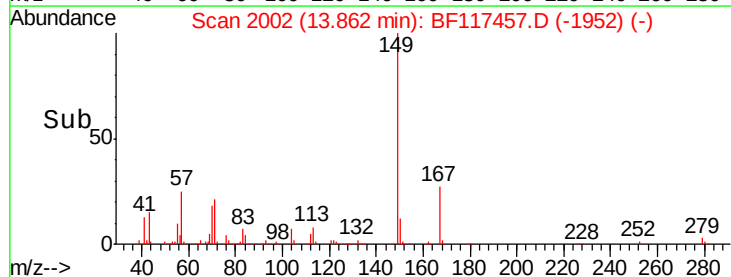
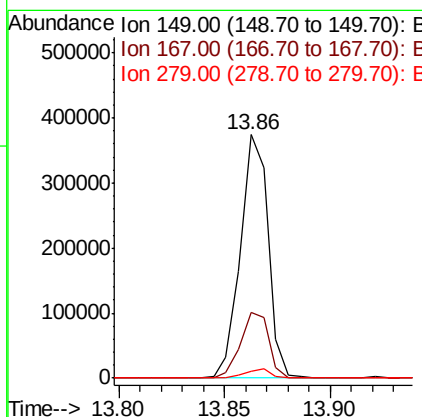
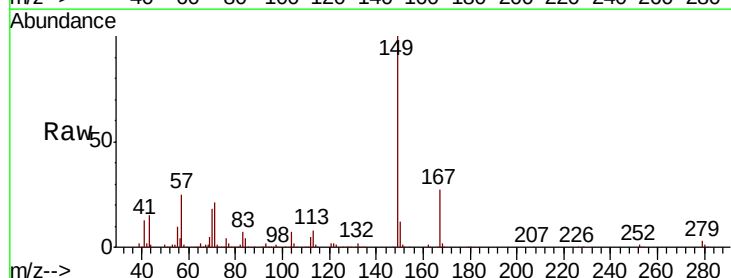
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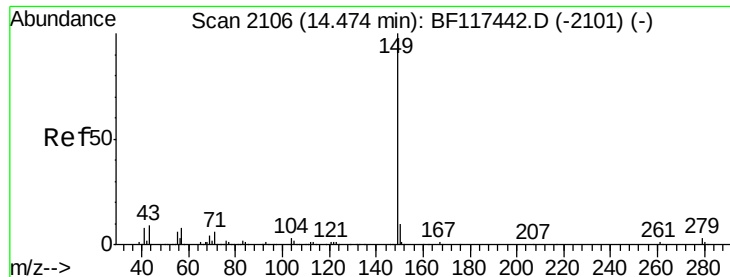
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 28.246 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.3	34.9
279	3.1	3.2	4.8#





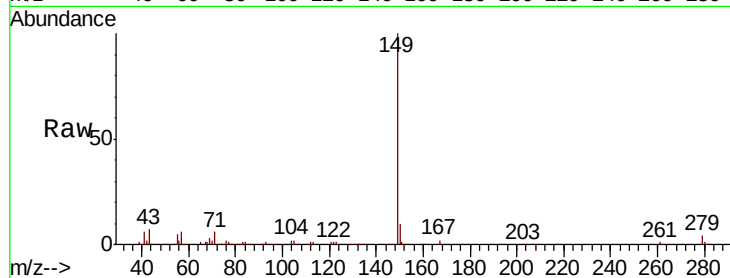
#85
Di-n-octyl phthalate
Concen: 30.919 ng
RT: 14.48 min Scan# 2107
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

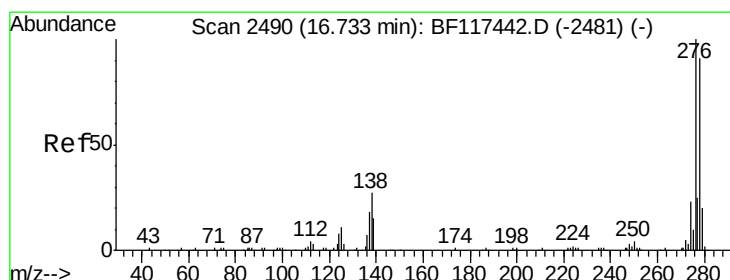
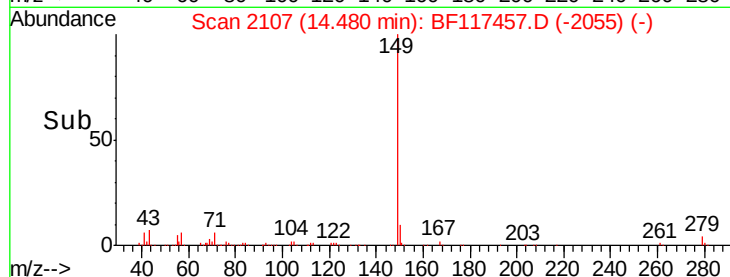
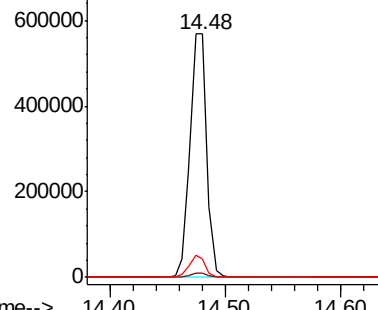
Tot Ion	Ratio	Resp	Lower	Upper
149	100	573189		
167	1.5		1.2	1.8
43	8.4		6.8	10.2

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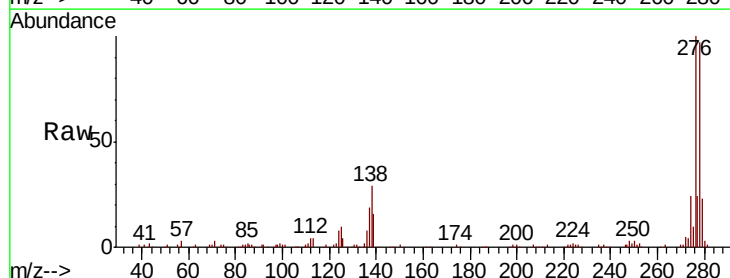


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

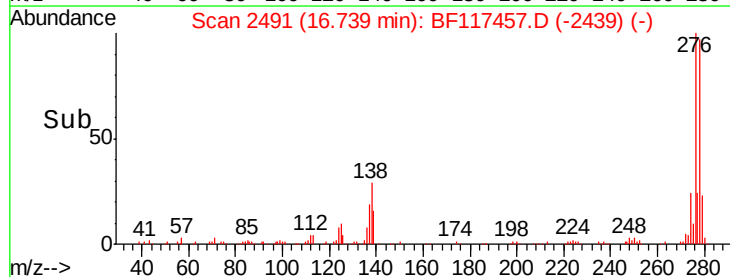
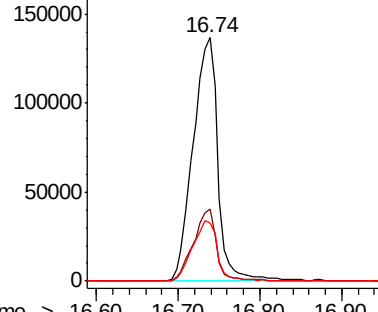


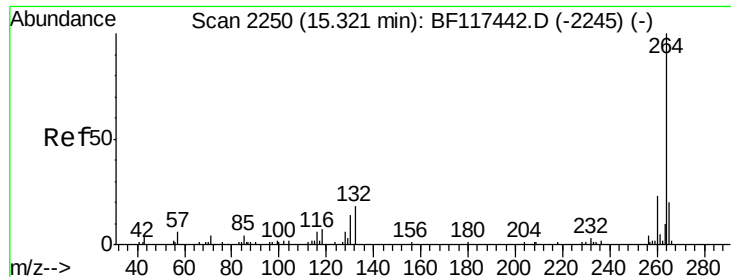
#86
Indeno(1,2,3-cd)pyrene
Concen: 29.083 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	289068		
138	27.7		21.8	32.8
277	24.8		20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





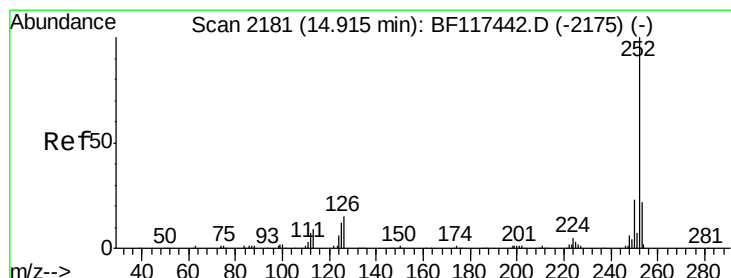
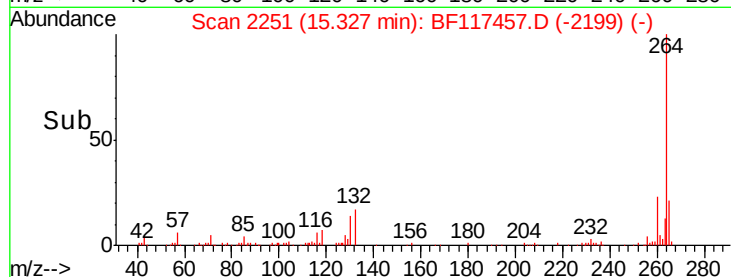
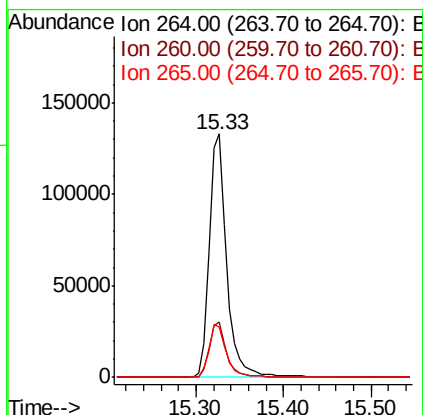
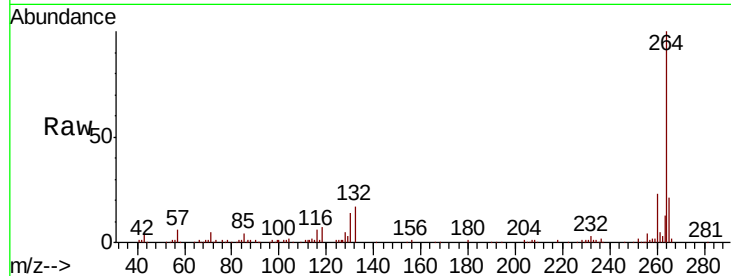
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	20.8	16.1	24.1

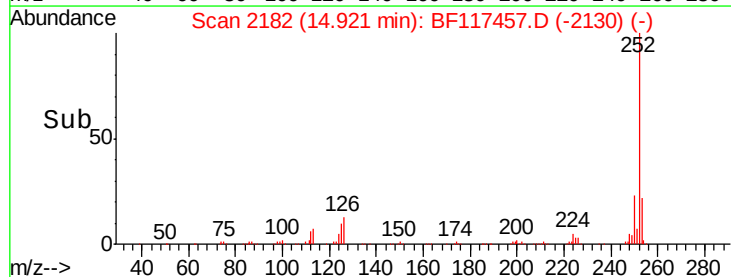
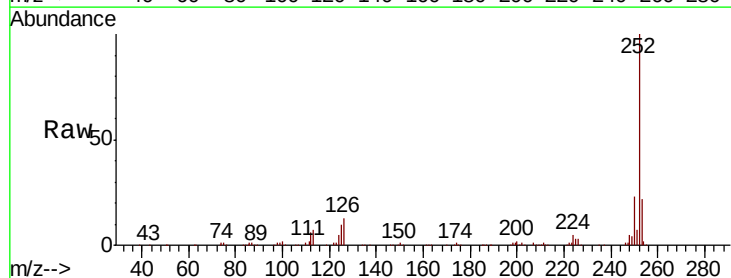
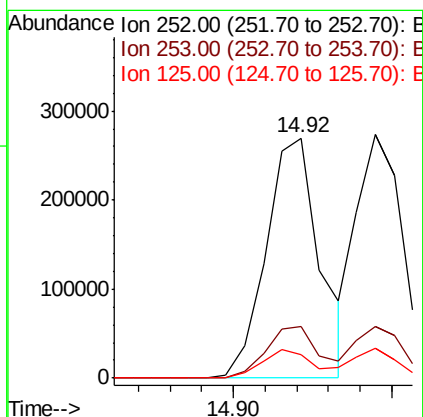
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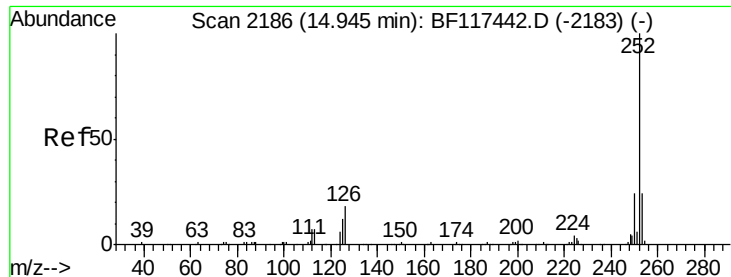
mohammad
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#88
Benzo(b)fluoranthene
Concen: 29.176 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	9.9	9.9	14.9





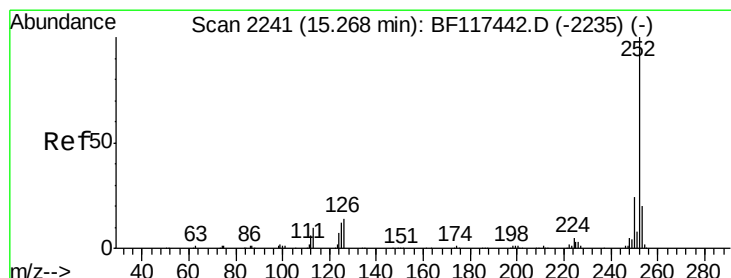
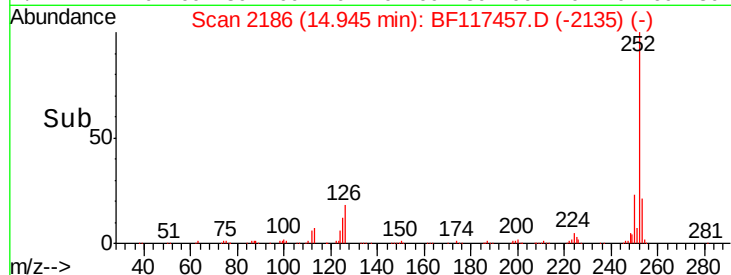
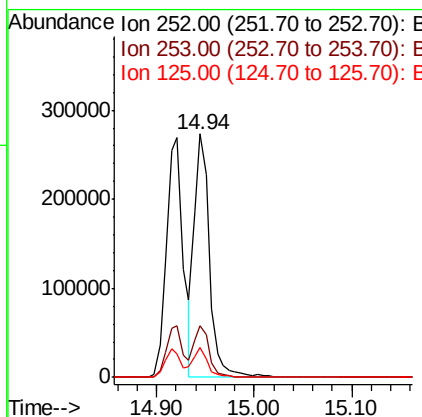
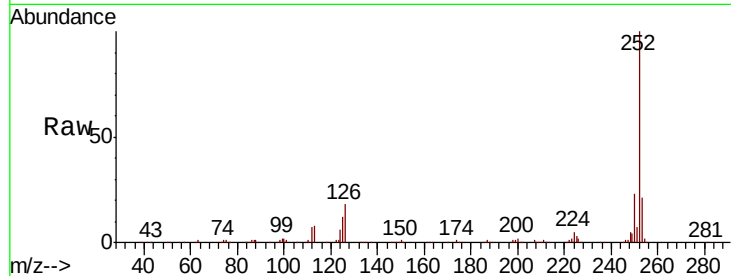
#89
Benzo(k)fluoranthene
Concen: 26.682 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	12.3	8.9	13.3

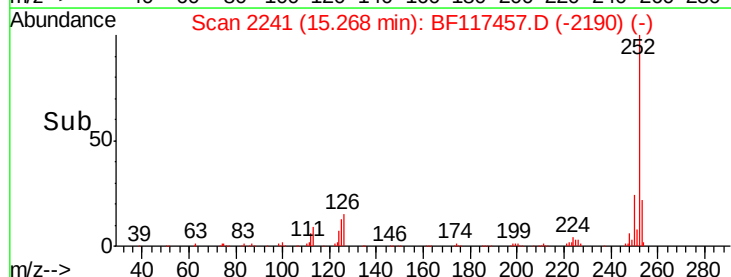
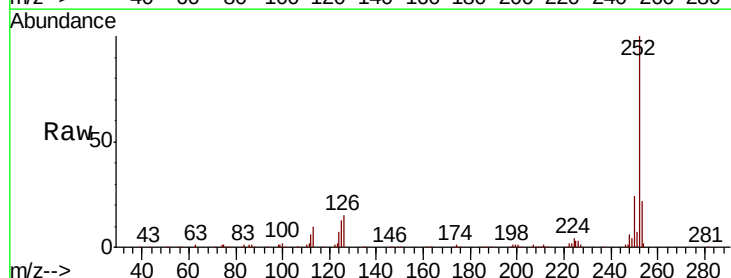
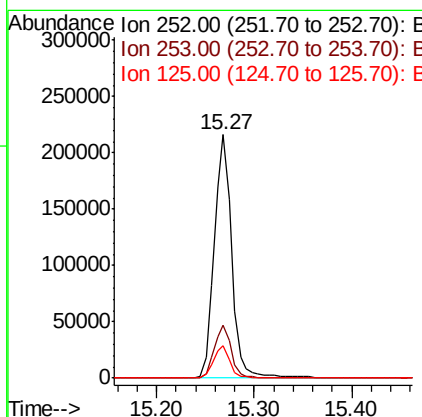
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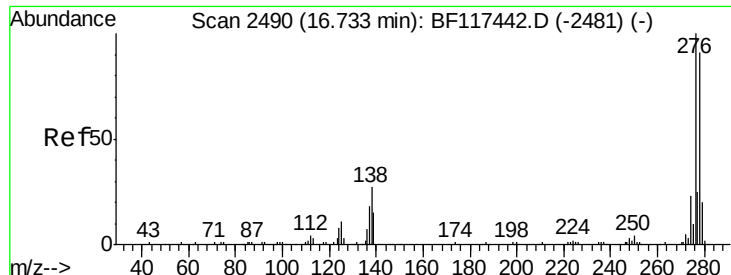
mohammad
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#90
Benzo(a)pyrene
Concen: 27.181 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.3	24.5
125	13.4	9.2	13.8





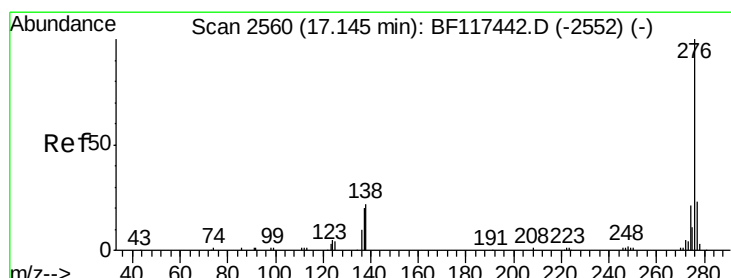
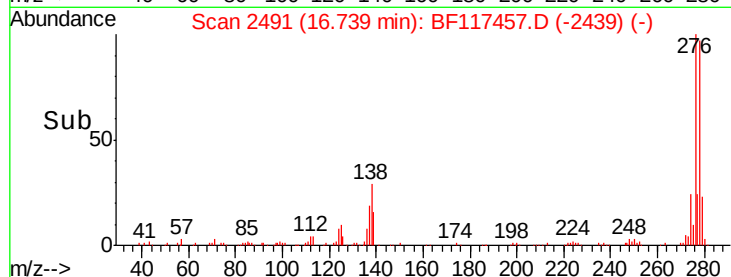
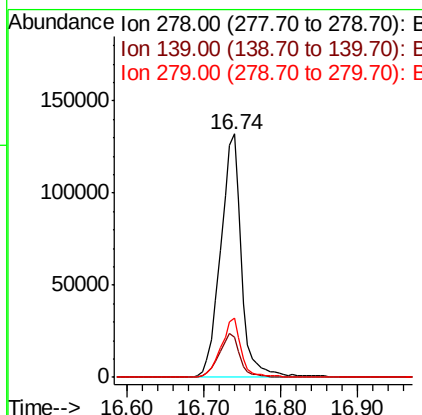
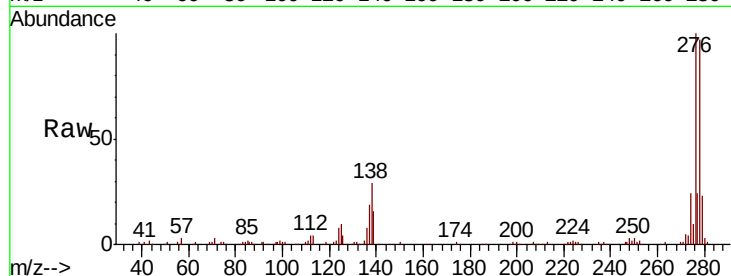
#91
Dibenzo(a,h)anthracene
Concen: 28.884 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Instrument :
BNA_F
ClientSampleId :
CL-02-101819MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.4	20.0
279	24.2	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/22/2019 3:29:20 PM



#92
Benzo(g,h,i)perylene
Concen: 29.457 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF117457.D
Acq: 21 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.4	27.6
138	24.5	17.8	26.6

