

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117537.D
 Acq On : 25 Oct 2019 15:45
 Operator : JU
 Sample : K5500-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Manual Integrations
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 10/30/2019 4:50:46 PM

Quant Time: Oct 26 01:21:03 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	35236	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	142101	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70451	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	102006	20.00	ng	0.00
76) Chrysene-d12	13.89	240	69823	20.00	ng	0.00
87) Perylene-d12	15.33	264	76577	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	266589	112.56	ng	0.00
7) Phenol-d6	6.39	99	370703	116.53	ng	0.00
23) Nitrobenzene-d5	7.30	82	229934	79.88	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	65612	107.63	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	372599	74.52	ng	0.00
79) Terphenyl-d14	12.83	244	273118	63.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.44	88	37337	37.495	ng	# 92
3) Pyridine	3.17	79	88599m	36.345	ng	
4) n-Nitrosodimethylamine	3.10	42	37036	41.879	ng	98
6) Aniline	6.40	93	76470	20.476	ng	# 1
8) 2-Chlorophenol	6.52	128	112735	45.108	ng	98
9) Benzaldehyde	6.28	77	65784	43.497	ng	93
10) Phenol	6.40	94	149396	46.013	ng	# 81
11) bis(2-Chloroethyl)ether	6.47	93	105763	44.040	ng	98
12) 1,3-Dichlorobenzene	6.67	146	116440	41.750	ng	100
13) 1,4-Dichlorobenzene	6.75	146	119931	42.389	ng	99
14) 1,2-Dichlorobenzene	6.90	146	112379	42.138	ng	98
15) Benzyl Alcohol	6.88	79	100895	44.393	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	108975	42.064	ng	# 39
17) 2-Methylphenol	7.00	107	95515	46.457	ng	93
18) Hexachloroethane	7.23	117	44421	40.225	ng	93
19) n-Nitroso-di-n-propylamine	7.15	70	85529	44.024	ng	96
20) 3+4-Methylphenols	7.16	107	123926	45.973	ng	# 66
22) Acetophenone	7.15	105	164031	43.471	ng	# 94
24) Nitrobenzene	7.32	77	126484	45.879	ng	99
25) Isophorone	7.56	82	232354	46.663	ng	98
26) 2-Nitrophenol	7.63	139	57816	47.020	ng	99
27) 2,4-Dimethylphenol	7.68	122	98420	53.559	ng	99
28) bis(2-Chloroethoxy)methane	7.76	93	135431	44.077	ng	99
29) 2,4-Dichlorophenol	7.89	162	87404	45.348	ng	99
30) 1,2,4-Trichlorobenzene	7.96	180	89898	43.463	ng	99
31) Naphthalene	8.03	128	321916	45.704	ng	99
32) Benzoic acid	7.83	122	45761	36.357	ng	93
33) 4-Chloroaniline	8.10	127	39851	13.406	ng	98
34) Hexachlorobutadiene	8.15	225	49501	41.348	ng	97
35) Caprolactam	8.46	113	29002m	46.840	ng	
36) 4-Chloro-3-methylphenol	8.59	107	103053	46.881	ng	99
37) 2-Methylnaphthalene	8.72	142	219223	46.190	ng	98
38) 1-Methylnaphthalene	8.82	142	206975	46.409	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	82394	43.422	ng	99

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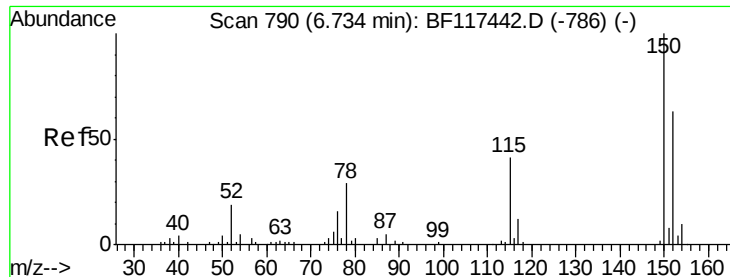
Manual Integrations
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 10/30/2019 4:50:46 PM

Quant Time: Oct 26 01:21:03 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)
41) Hexachlorocyclopentadiene	8.87	237	13960	38.877	nq	97
43) 2,4,6-Trichlorophenol	9.02	196	55298	46.536	nq	95
44) 2,4,5-Trichlorophenol	9.06	196	59392	49.324	nq	96
46) 1,1'-Biphenyl	9.19	154	257938	44.225	nq	99
47) 2-Chloronaphthalene	9.21	162	194109	44.141	nq	99
48) 2-Nitroaniline	9.32	65	61589	42.663	nq	90
49) Acenaphthylene	9.62	152	301415	46.664	nq	99
50) Dimethylphthalate	9.49	163	276049	54.964	nq	99
51) 2,6-Dinitrotoluene	9.56	165	49130	46.878	nq	94
52) Acenaphthene	9.80	154	181325	45.756	nq	98
53) 3-Nitroaniline	9.73	138	23725	18.657	nq	95
54) 2,4-Dinitrophenol	9.86	184	17557	42.718	nq	95
55) Dibenzofuran	9.97	168	269697	46.973	nq	99
56) 4-Nitrophenol	9.92	139	40699	70.070	nq	94
57) 2,4-Dinitrotoluene	9.97	165	64159	46.045	nq	88
58) Fluorene	10.31	166	214775	45.235	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.10	232	40039	42.308	nq	96
60) Diethylphthalate	10.19	149	228904	45.060	nq	100
61) 4-Chlorophenyl-phenylether	10.30	204	95179	44.681	nq	94
62) 4-Nitroaniline	10.35	138	39821	33.223	nq	91
63) Azobenzene	10.46	77	238890	45.938	nq	99
65) 4,6-Dinitro-2-methylphenol	10.39	198	16986	32.752	nq	94
66) n-Nitrosodiphenylamine	10.42	169	186307	49.960	nq	98
67) 4-Bromophenyl-phenylether	10.79	248	51218	46.616	nq	98
68) Hexachlorobenzene	10.87	284	50478	42.899	nq	# 89
69) Atrazine	10.95	200	53235	56.109	nq	98
70) Pentachlorophenol	11.07	266	31171	88.367	nq	98
71) Phenanthrene	11.27	178	288675	48.737	nq	99
72) Anthracene	11.33	178	293391	48.275	nq	99
73) Carbazole	11.49	167	250479	45.098	nq	99
74) Di-n-butylphthalate	11.80	149	355773	47.941	nq	99
75) Fluoranthene	12.46	202	272788	46.005	nq	98
77) Benzidine	12.59	184	126886	Below	Cal	98
78) Pyrene	12.69	202	271163	45.213	nq	99
80) Butylbenzylphthalate	13.30	149	129925	43.534	nq	99
81) Benzo(a)anthracene	13.88	228	217023	46.079	nq	98
82) 3,3'-Dichlorobenzidine	13.84	252	56571	38.278	nq	98
83) Chrysene	13.92	228	204278	44.255	nq	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	185325	44.329	nq	# 96
85) Di-n-octyl phthalate	14.47	149	321659	50.042	nq	99
86) Indeno(1,2,3-cd)pyrene	16.74	276	209675	60.841	nq	97
88) Benzo(b)fluoranthene	14.92	252	213189	47.145	nq	98
89) Benzo(k)fluoranthene	14.94	252	191259	41.266	nq	98
90) Benzo(a)pyrene	15.27	252	192211	46.751	nq	96
91) Dibenzo(a,h)anthracene	16.74	278	179797	50.575	nq	98
92) Benzo(g,h,i)perylene	17.16	276	169185	50.298	nq	98

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



#1

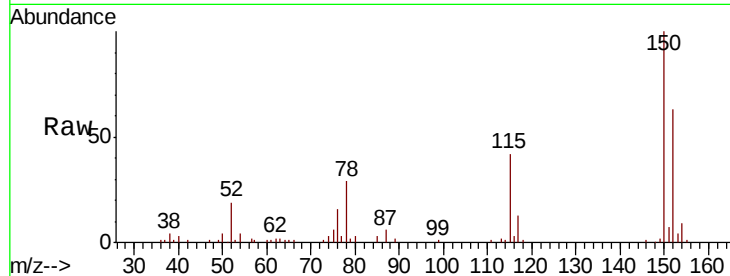
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.8	190.2
115	67.0	51.6	77.4

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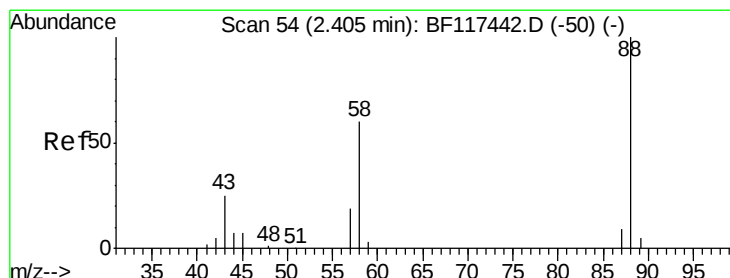
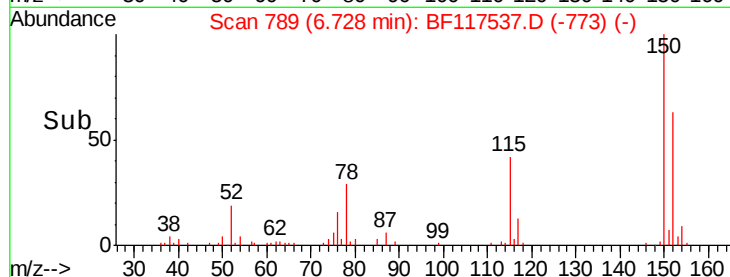
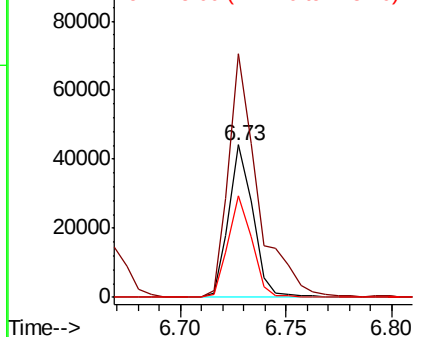


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

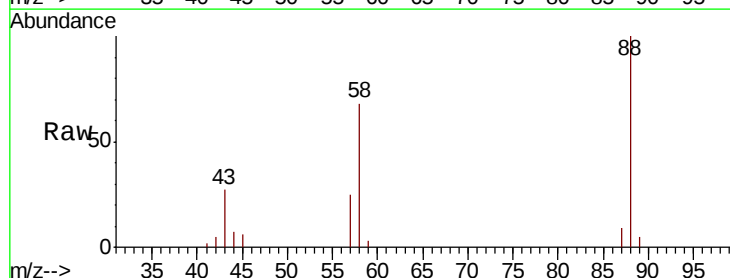
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 37.495 ng
RT: 2.44 min Scan# 60
Delta R.T. 0.04 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.1	48.8	73.2
43	27.8	18.5	27.7#

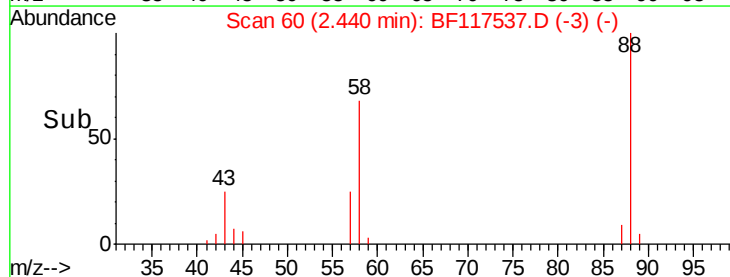
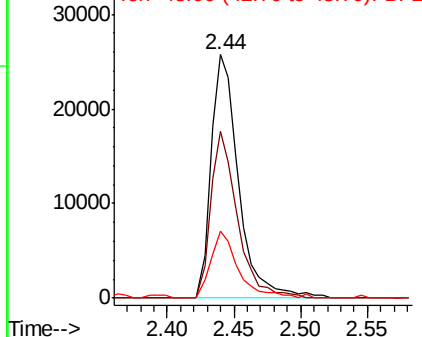


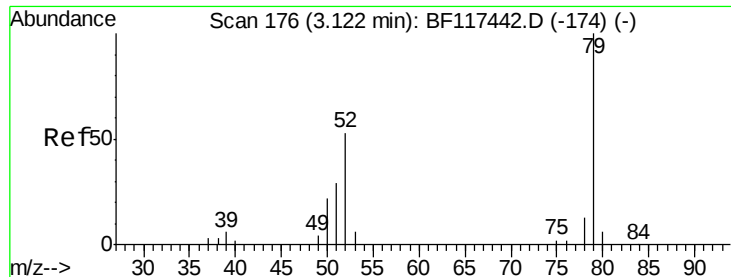
Abundance

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: 36.345 ng/ml

RT: 3.17 min Scan# 184

Delta R.T. 0.05 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

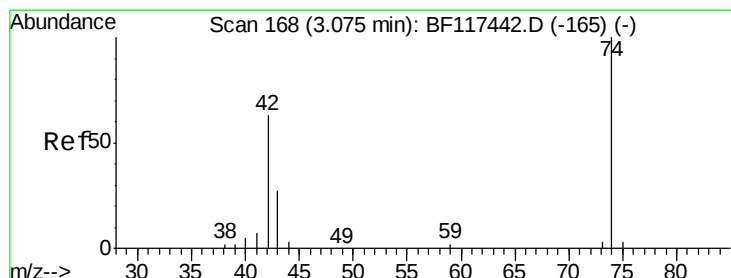
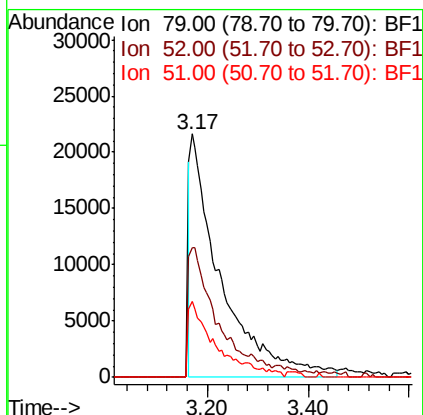
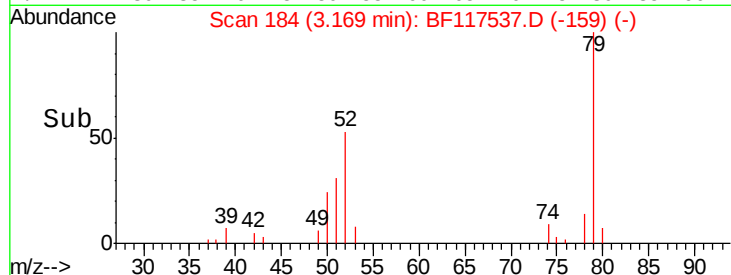
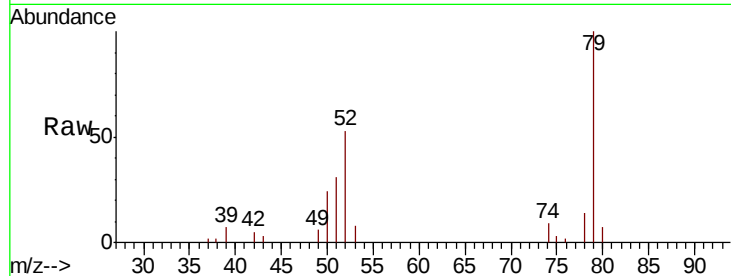
ClientSampleId :

802-00-(0-2)MSD

Tot Ion:	79	Resp:	88599
Ion	Ratio	Lower	Upper
79	100		
52	53.1	42.4	63.6
51	30.9	23.3	34.9

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#4

n-Nitrosodimethylamine

Concen: 41.879 ng/ml

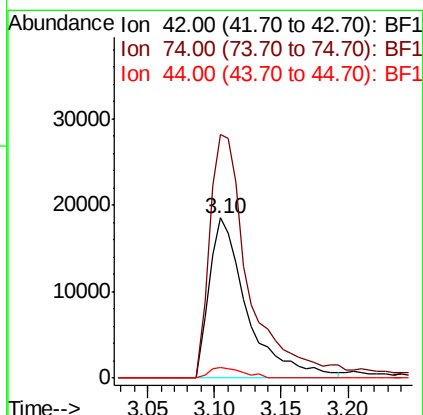
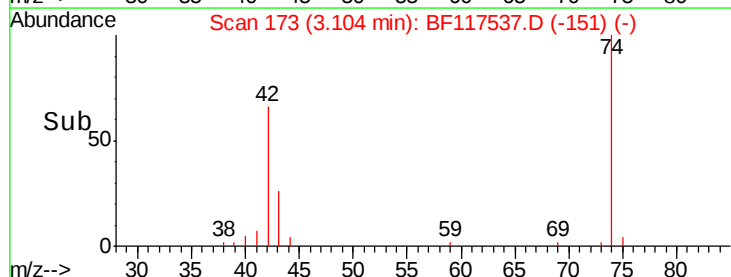
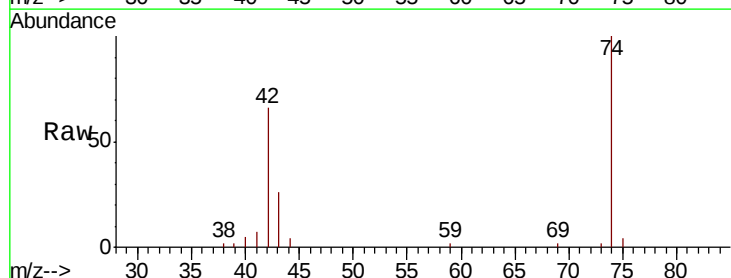
RT: 3.10 min Scan# 173

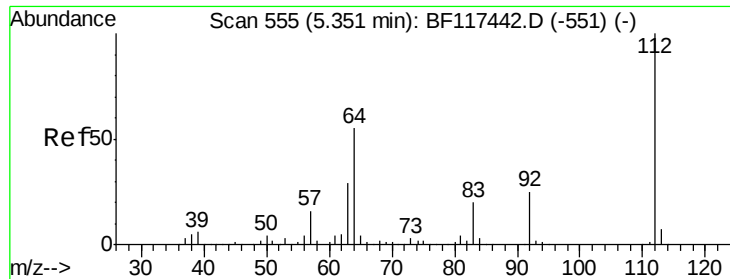
Delta R.T. 0.03 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	42	Resp:	37036
Ion	Ratio	Lower	Upper
42	100		
74	152.2	124.2	186.4
44	6.3	4.2	6.4





#5

2-Fluorophenol

Concen: 112.557 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

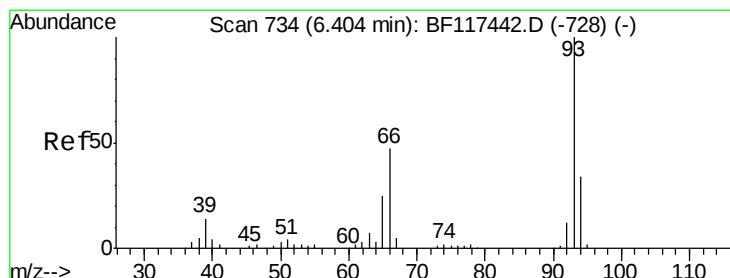
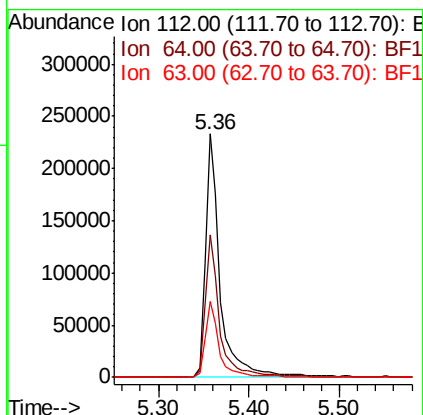
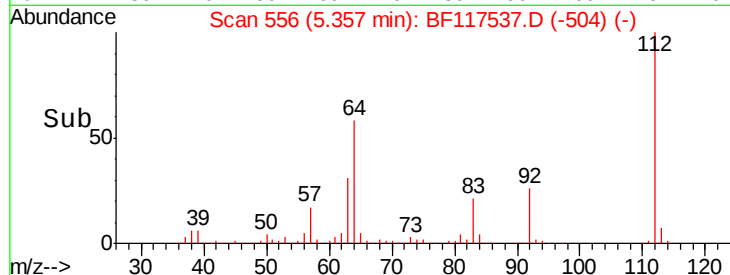
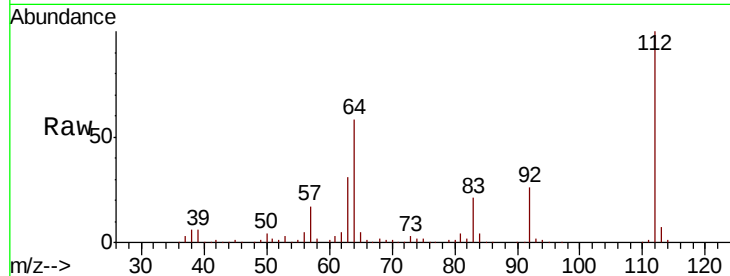
ClientSampleId :

802-00-(0-2)MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	58.4	44.1	66.1
63	31.3	23.4	35.2

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#6

Aniline

Concen: 20.476 ng

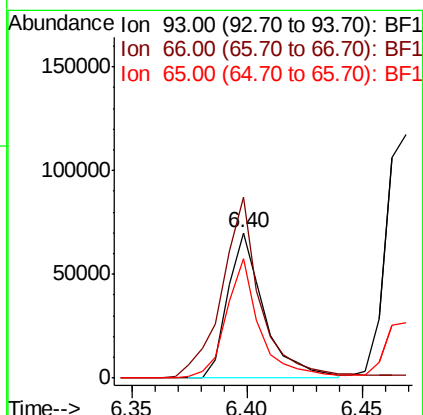
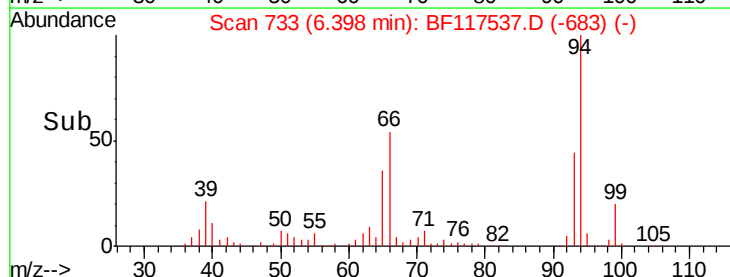
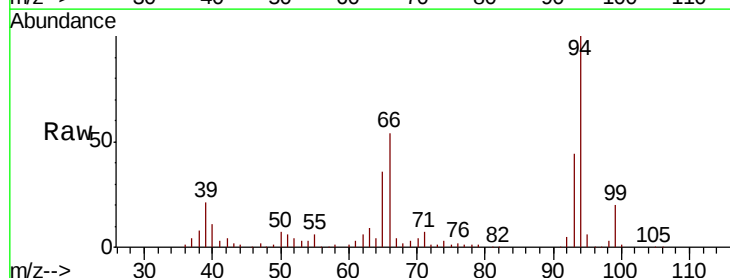
RT: 6.40 min Scan# 733

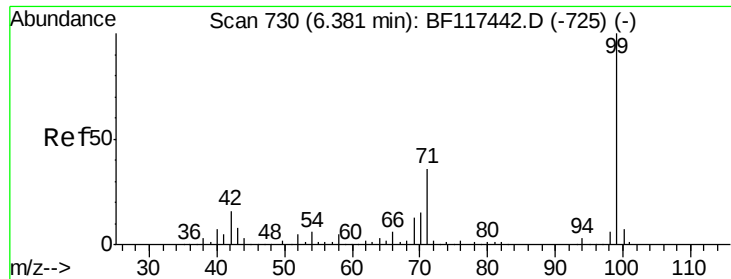
Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	124.3	38.7	58.1#
65	82.6	20.1	30.1#





#7

Phenol-d6

Concen: 116.532 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

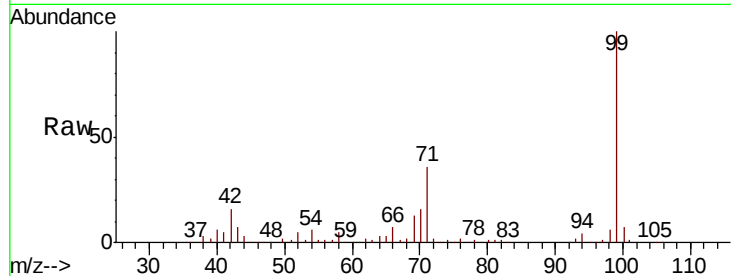
ClientSampleId :

802-00-(0-2)MSD

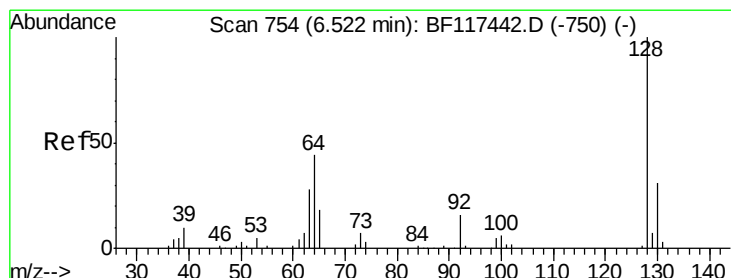
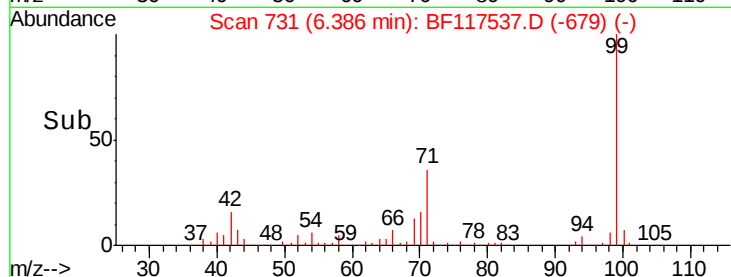
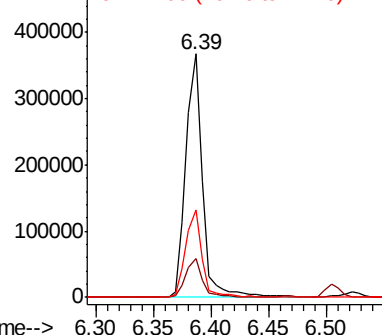
Tot Ion:	99	Resp:	370703
Ion Ratio	Lower	Upper	
99	100		
42	16.0	12.8	19.2
71	36.1	28.6	43.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.108 ng

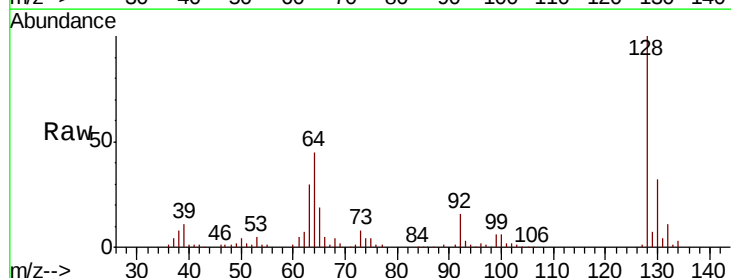
RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

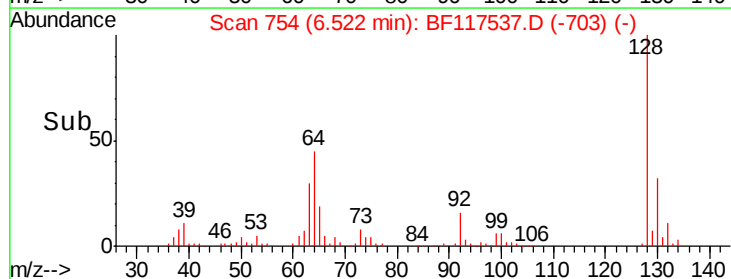
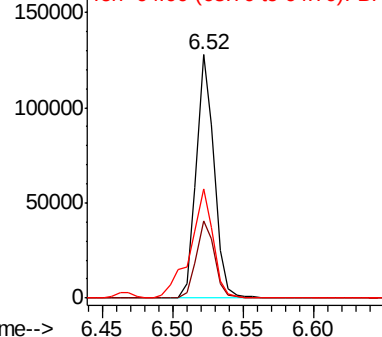
Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	128	Resp:	112735
Ion Ratio	Lower	Upper	
128	100		
130	31.7	11.1	51.1
64	45.0	27.1	67.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





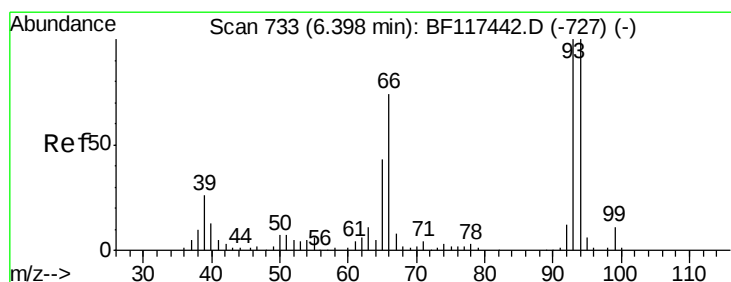
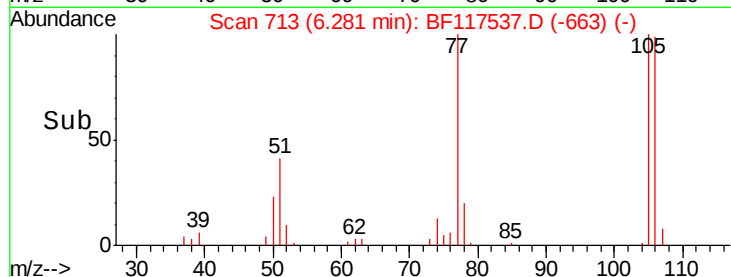
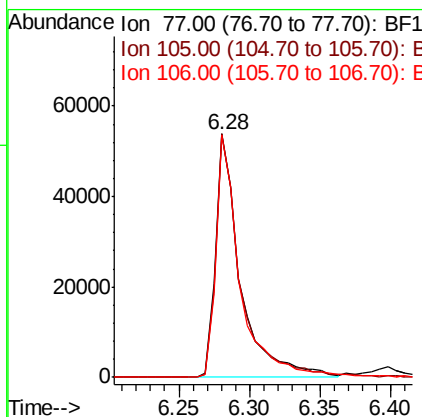
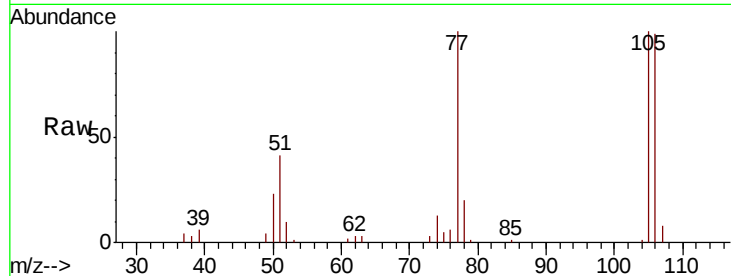
#9
Benzaldehyde
Concen: 43.497 ng
RT: 6.28 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	99.8	73.4	113.4
106	99.4	73.0	113.0

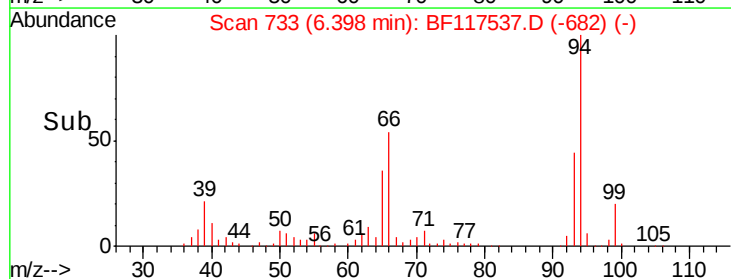
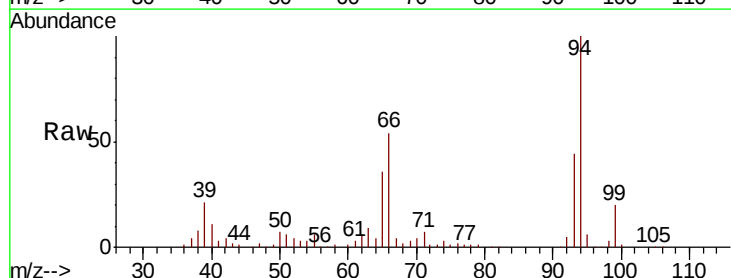
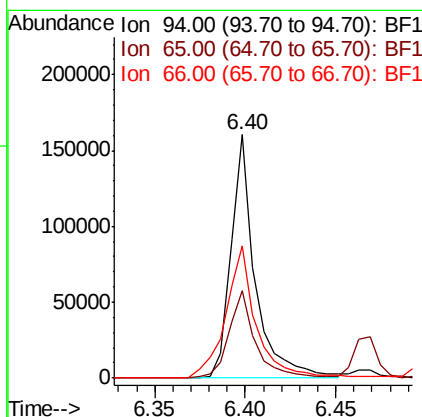
Manual Integrations
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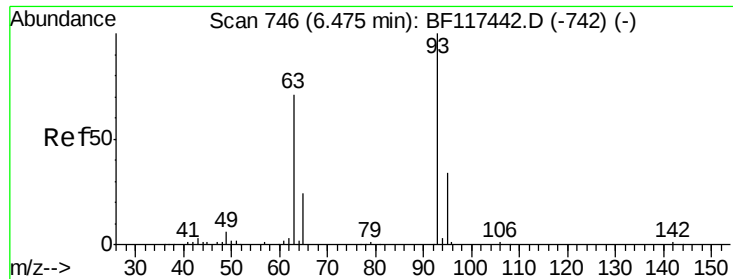
mohammad
10/30/2019 4:50:46 PM



#10
Phenol
Concen: 46.013 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
94	100		
65	36.0	23.4	63.4
66	54.2	54.7	94.7#





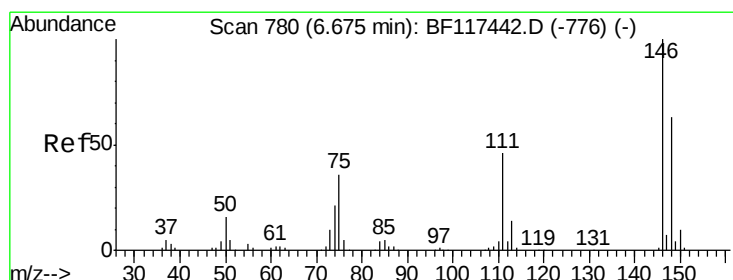
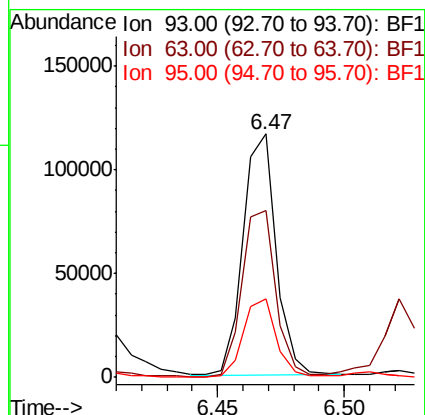
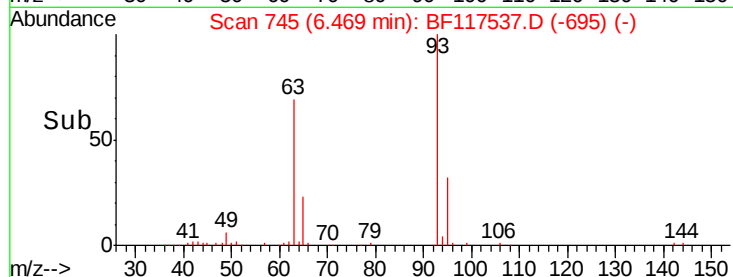
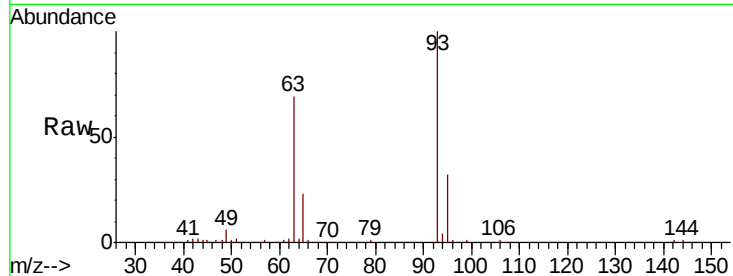
#11
bis(2-Chloroethyl)ether
Concen: 44.040 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	93	Resp	105763
Ion Ratio	Lower	Upper	
93	100		
63	68.7	50.2	90.2
95	32.4	13.9	53.9

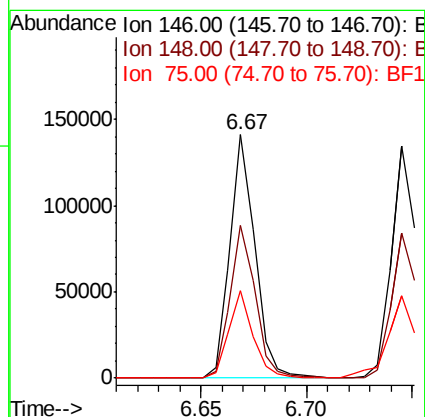
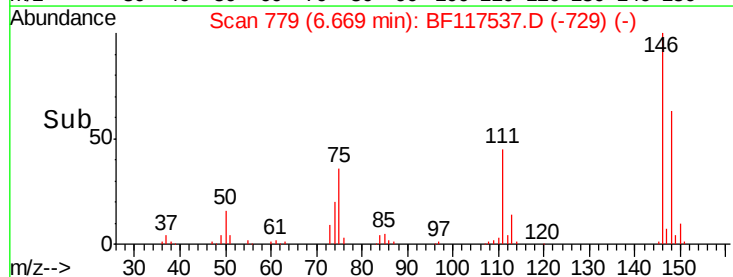
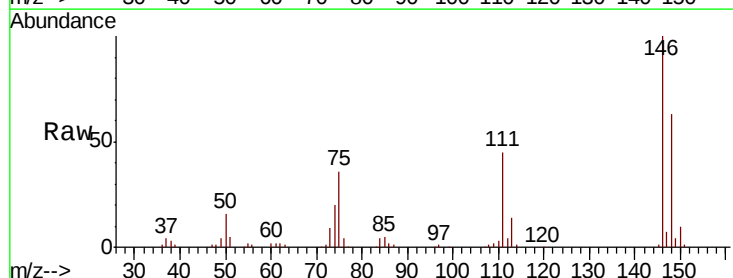
Manual Integrations
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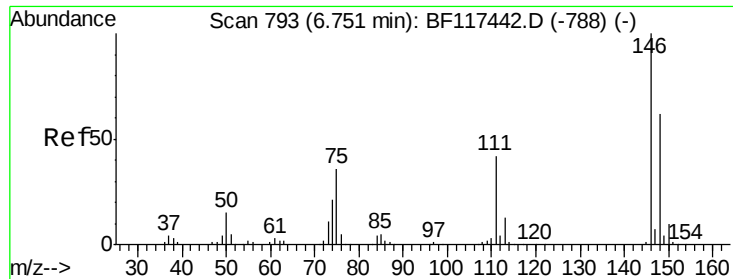
mohammad
10/30/2019 4:50:46 PM



#12
1,3-Dichlorobenzene
Concen: 41.750 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	146	Resp	116440
Ion Ratio	Lower	Upper	
146	100		
148	62.7	50.6	75.8
75	35.9	28.6	43.0





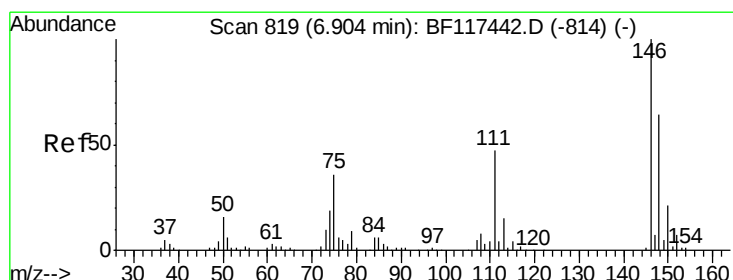
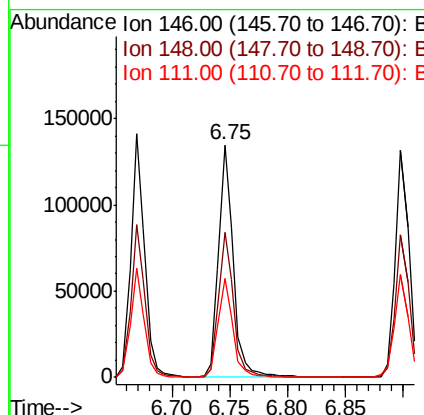
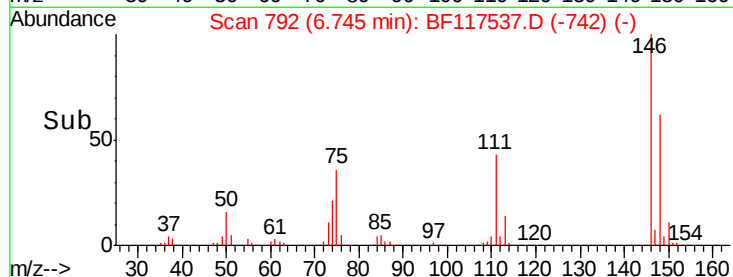
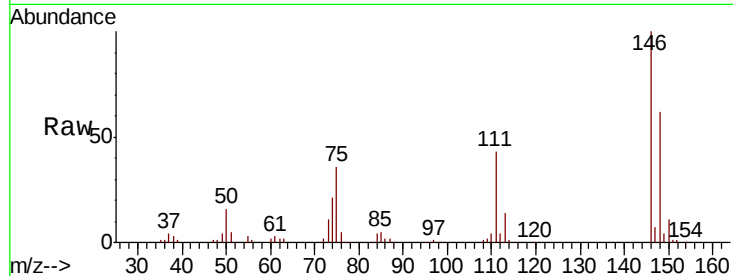
#13
 1,4-Dichlorobenzene
 Concen: 42.389 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	49.3	73.9
111	42.8	33.6	50.4

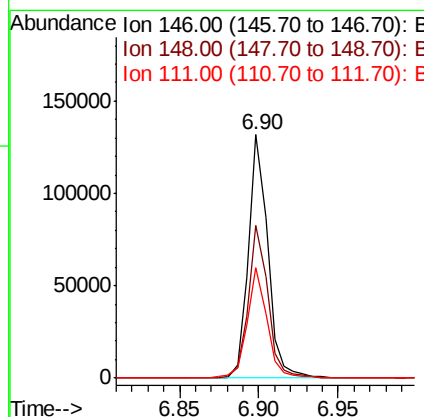
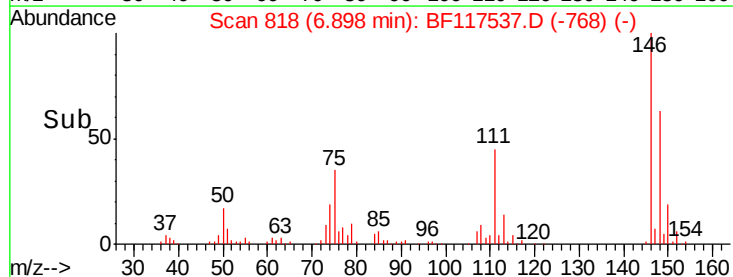
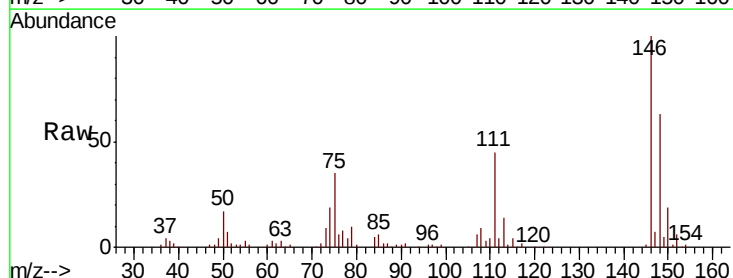
Manual Integrations
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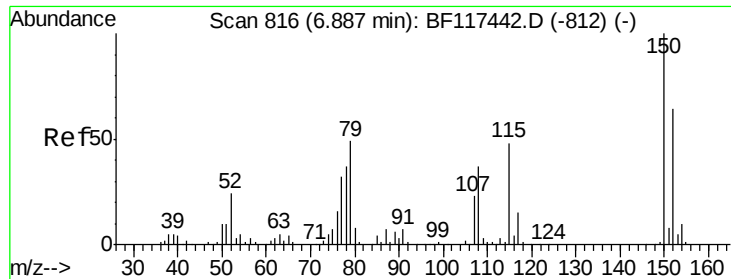
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 42.138 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.4	77.0
111	45.2	37.7	56.5





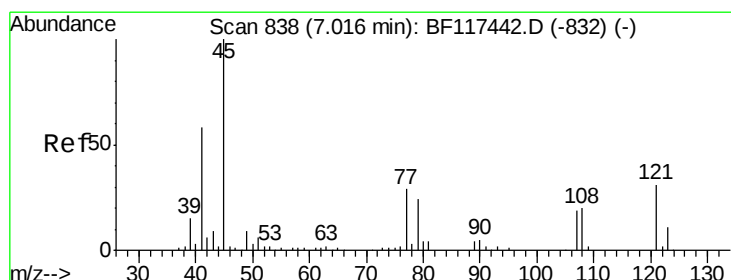
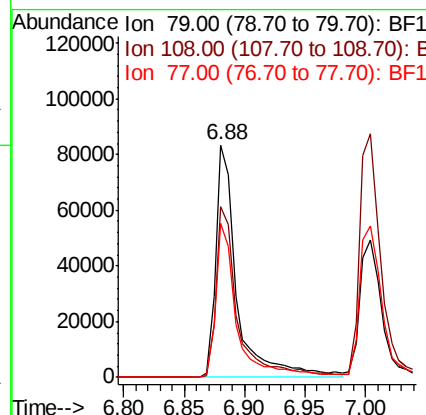
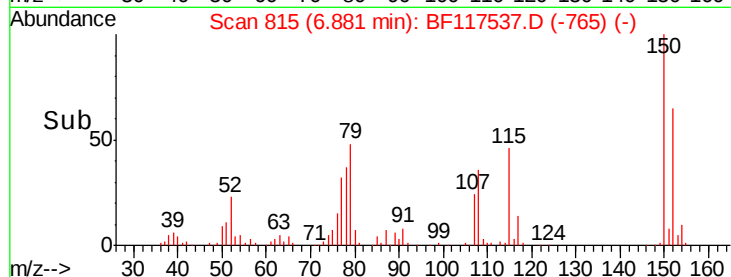
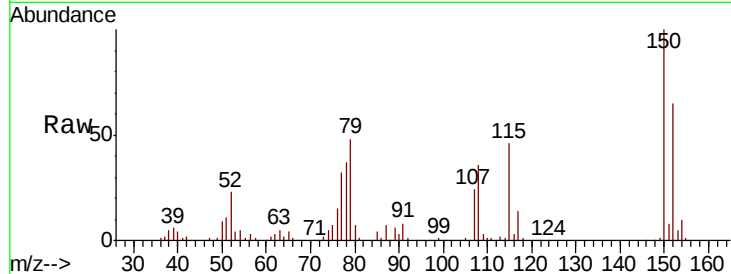
#15
Benzyl Alcohol
Concen: 44.393 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.3	59.8	89.8
77	66.5	51.4	77.0

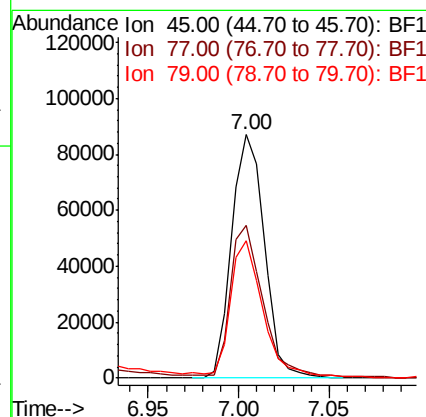
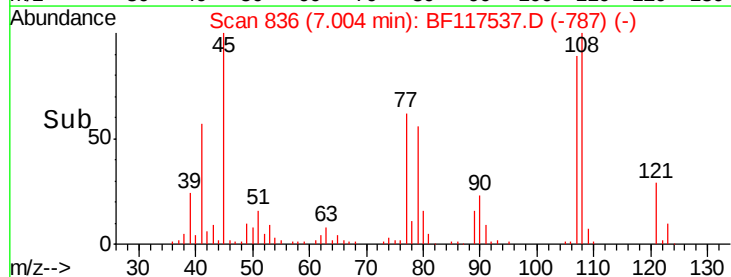
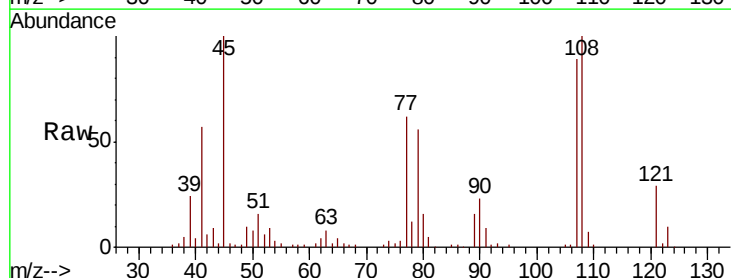
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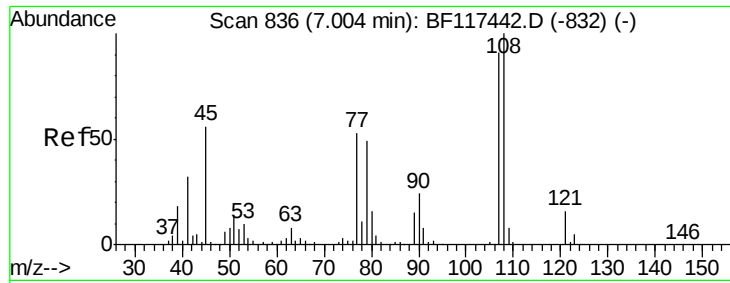
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.064 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
45	100		
77	62.6	9.9	49.9#
79	56.6	5.5	45.5#





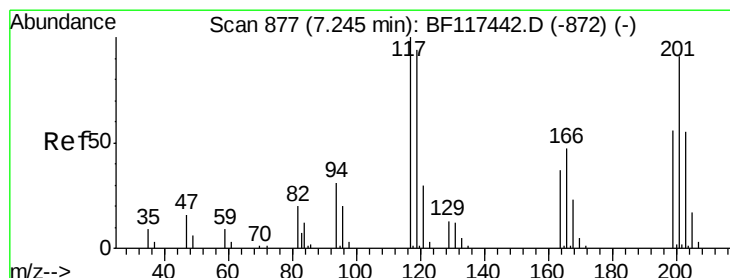
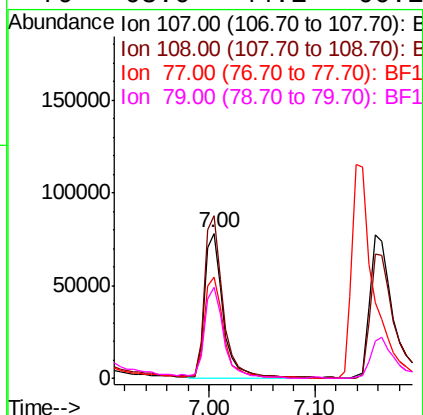
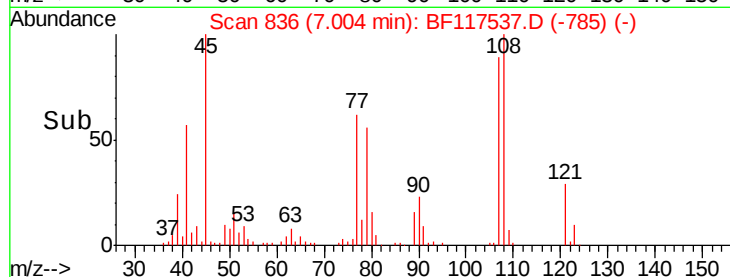
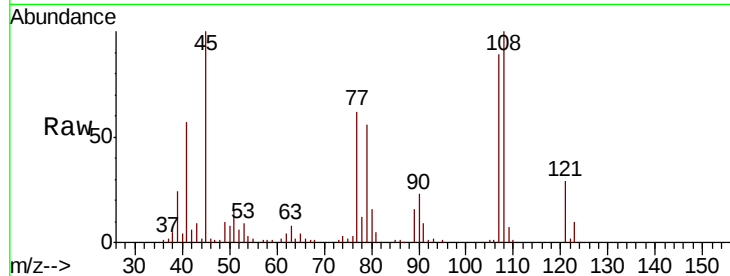
#17
2-Methylphenol
Concen: 46.457 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:	107	Resp:	95515
Ion Ratio	Lower	Upper	
107	100		
108	111.9	88.0	132.0
77	69.7	47.2	70.8
79	63.0	44.1	66.1

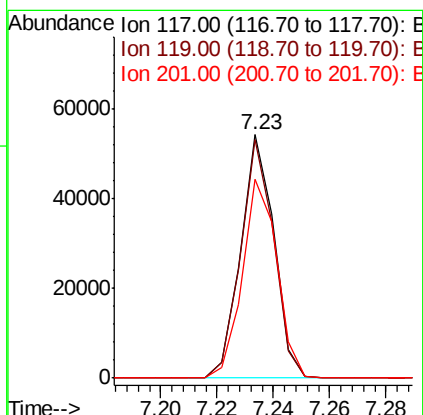
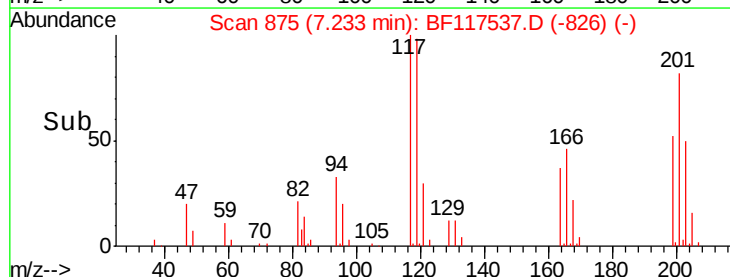
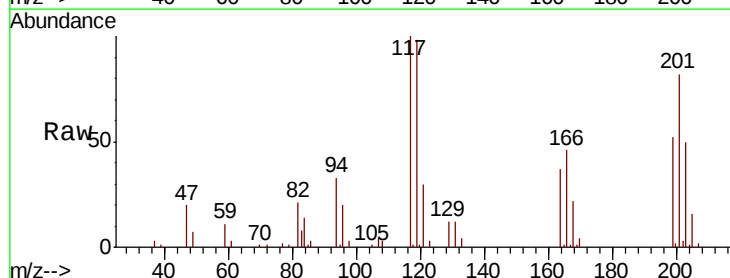
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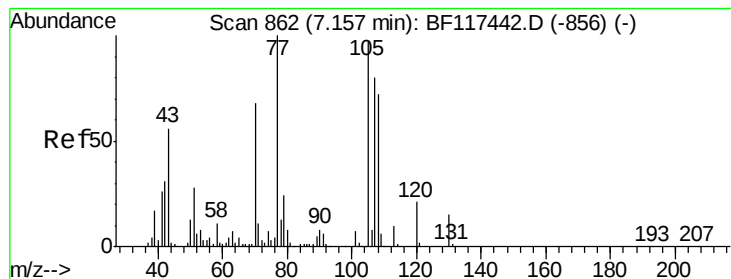
mohammad
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#18
Hexachloroethane
Concen: 40.225 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:	117	Resp:	44421
Ion Ratio	Lower	Upper	
117	100		
119	98.1	75.4	113.0
201	81.6	72.5	108.7





#19

n-Nitroso-di-n-propylamine

Concen: 44.024 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

Tot Ion: 70 Resp: 85529

Ion Ratio Lower Upper

70 100

42 47.8 36.7 55.1

101 9.6 8.3 12.5

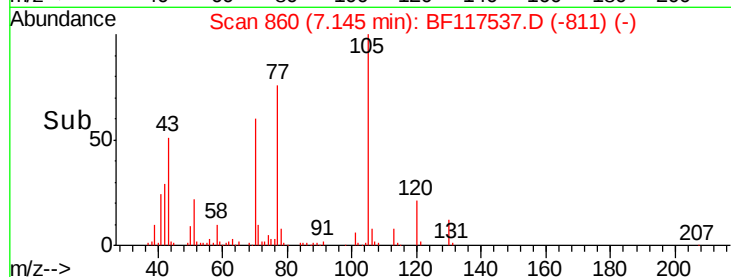
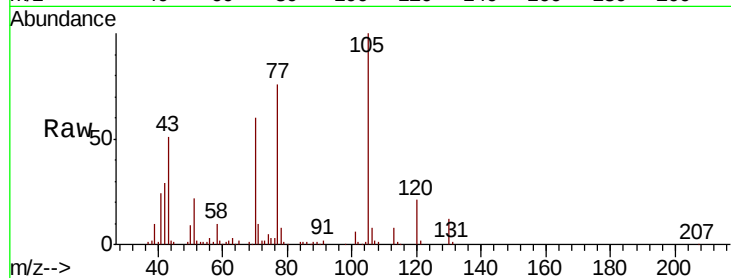
130 19.8 18.1 27.1

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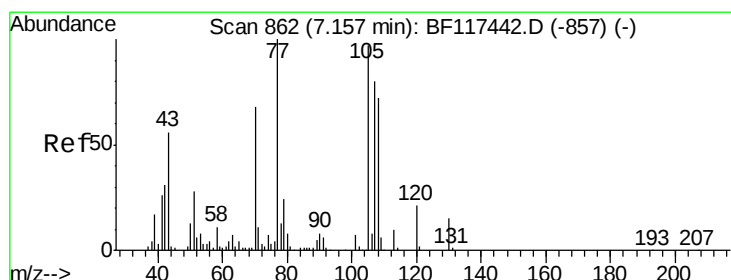
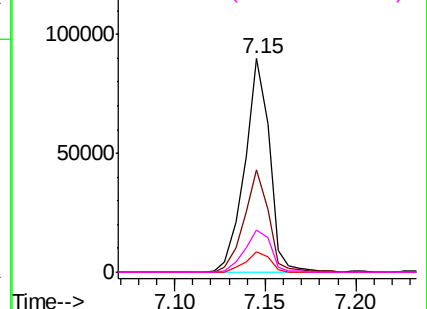


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 45.973 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion: 107 Resp: 123926

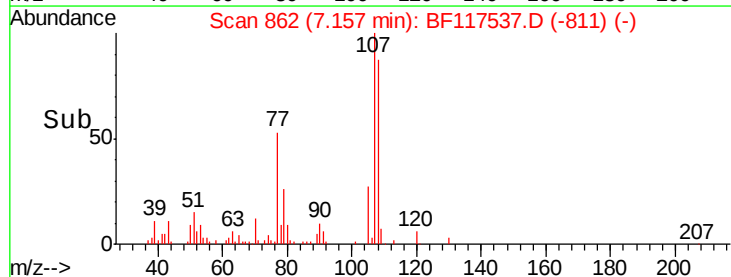
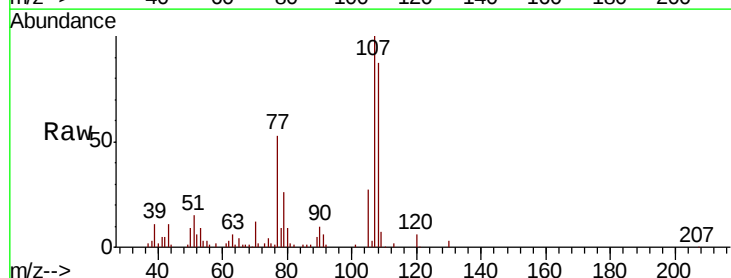
Ion Ratio Lower Upper

107 100

108 86.8 70.3 110.3

77 52.9 104.8 144.8#

79 26.1 10.0 50.0

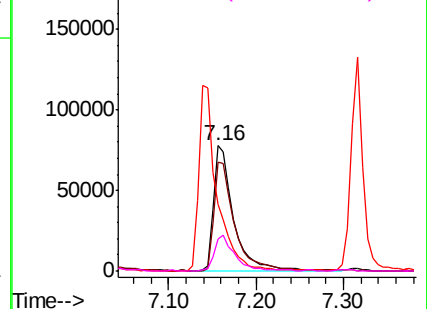


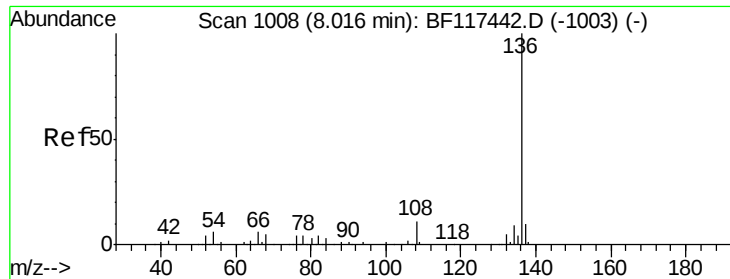
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





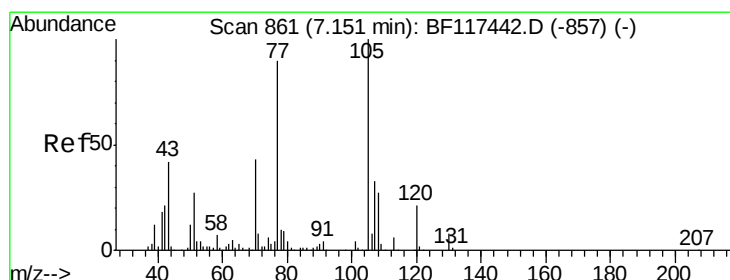
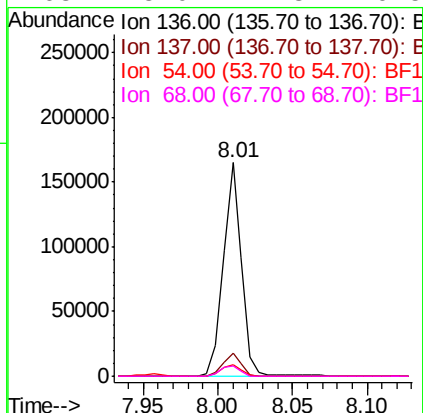
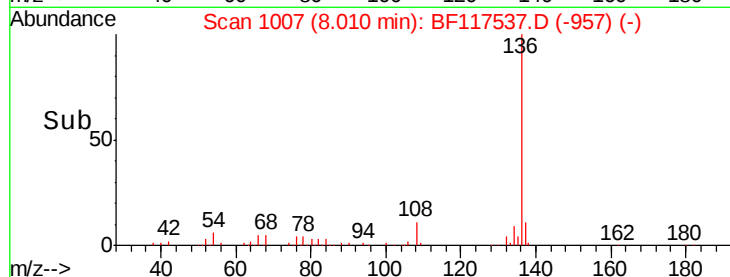
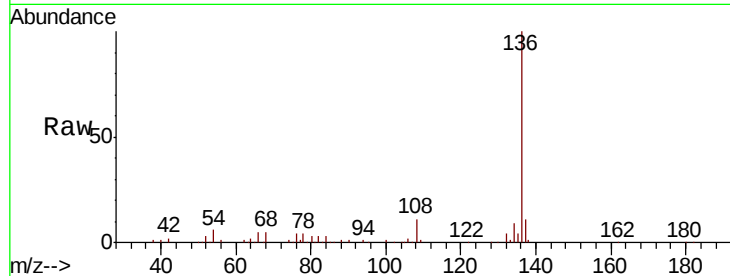
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	142101		
137	10.6		8.2	12.4
54	5.7		4.5	6.7
68	5.0		4.3	6.5

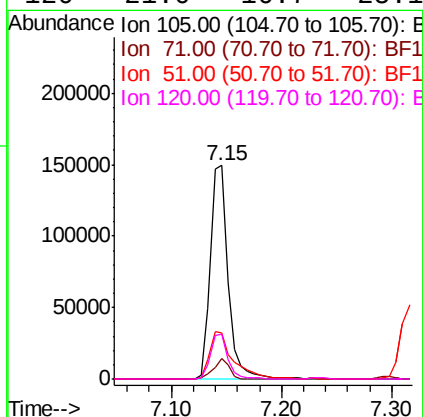
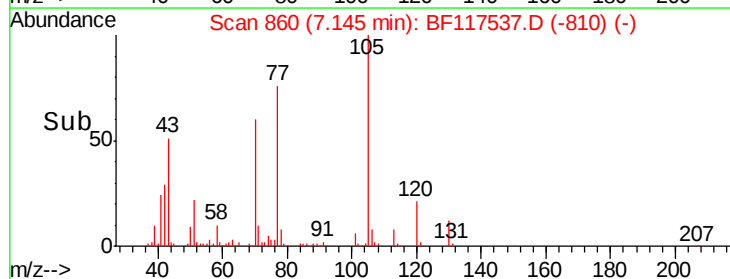
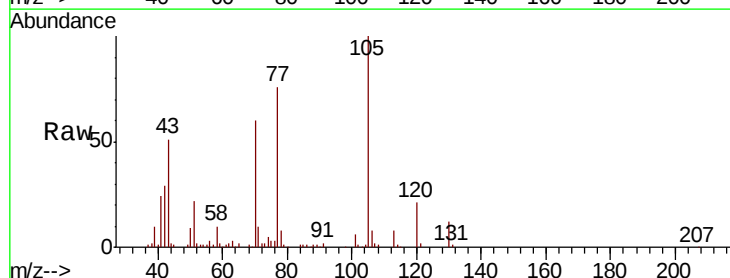
Manual Integrations
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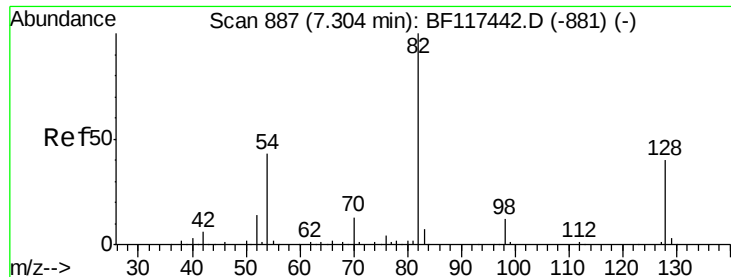
mohammad
10/30/2019 4:50:46 PM



#22
Acetophenone
Concen: 43.471 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	164031		
71	9.8		6.2	9.2#
51	21.6		21.8	32.6#
120	21.0		16.7	25.1





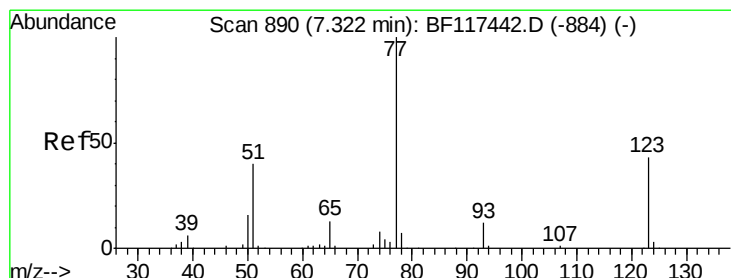
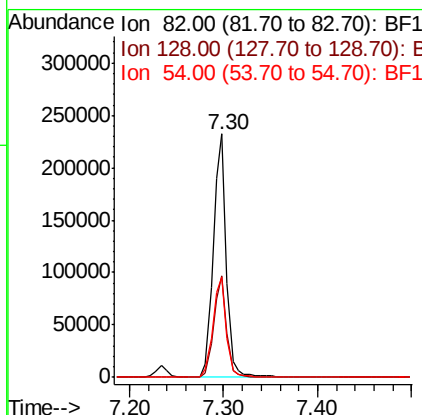
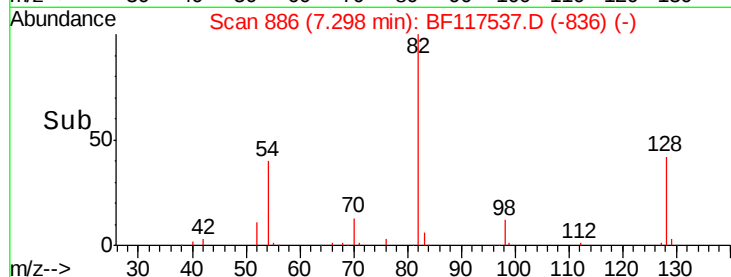
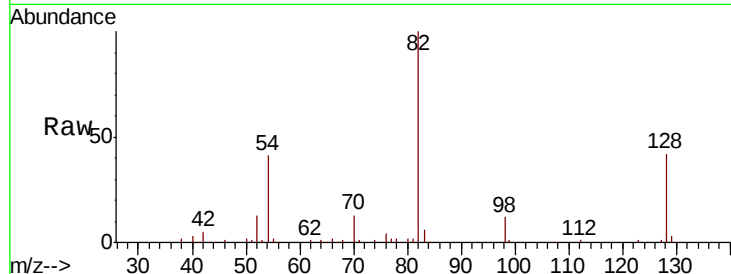
#23
Nitrobenzene-d5
Concen: 79.882 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	229934		
128	41.7	32.2	48.2	
54	41.1	34.2	51.2	

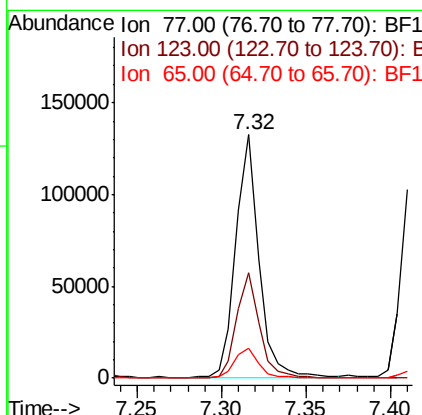
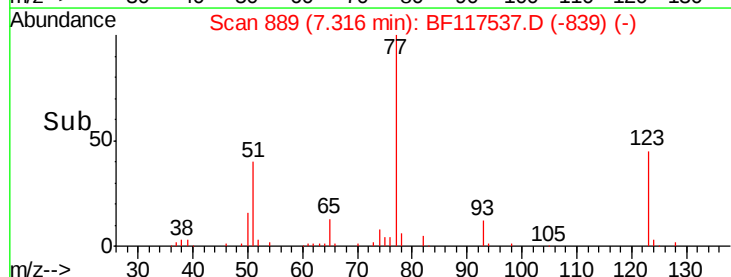
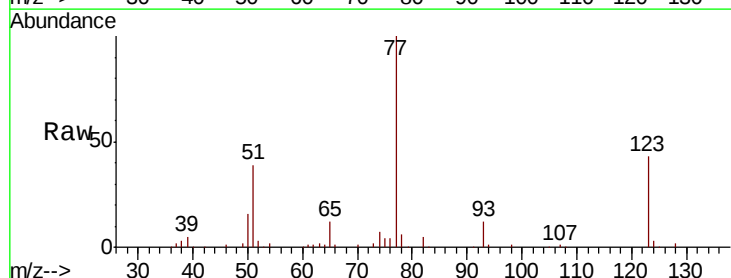
Manual Integrations
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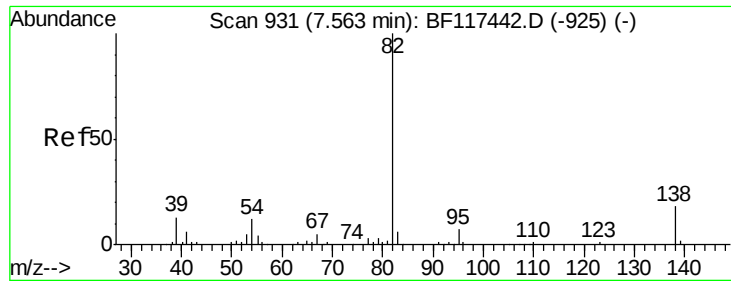
mohammad
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#24
Nitrobenzene
Concen: 45.879 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	126484		
123	43.1	34.2	51.2	
65	12.5	10.3	15.5	





#25

Isophorone

Concen: 46.663 ng

RT: 7.56 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

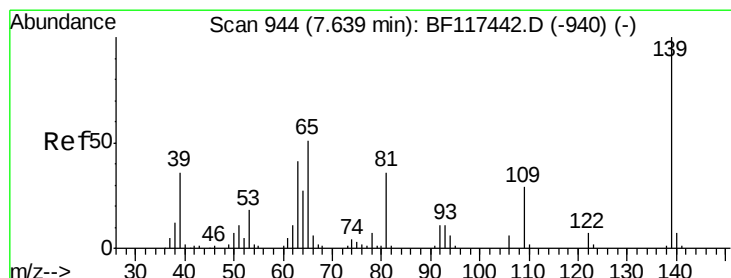
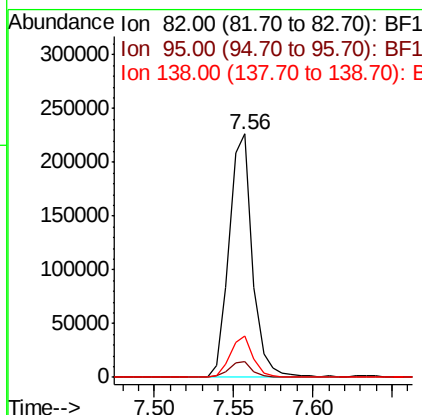
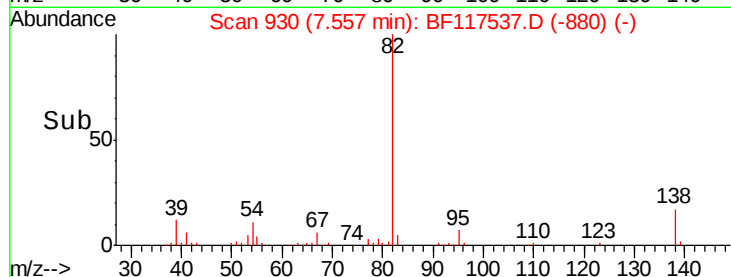
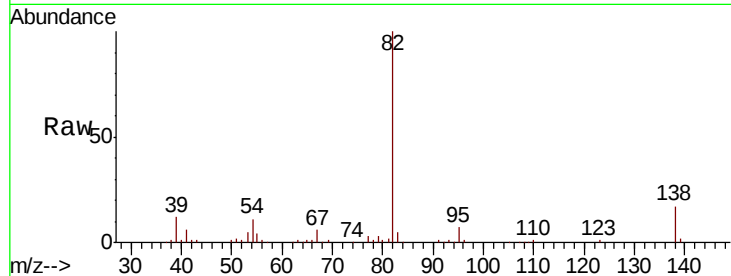
ClientSampleId :

802-00-(0-2)MSD

Tot Ion:	82	Resp:	232354
Ion Ratio		Lower	Upper
82	100		
95	6.6	5.4	8.0
138	16.8	14.2	21.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 47.020 ng

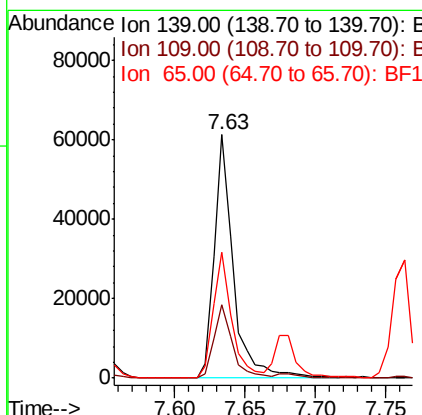
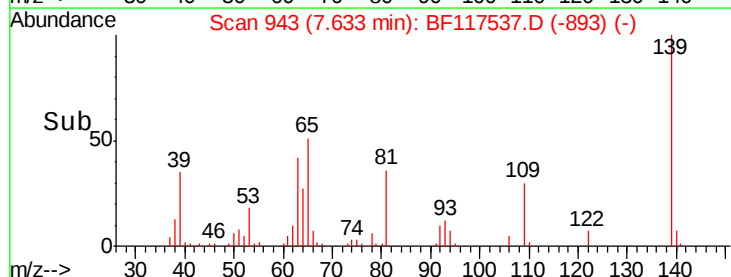
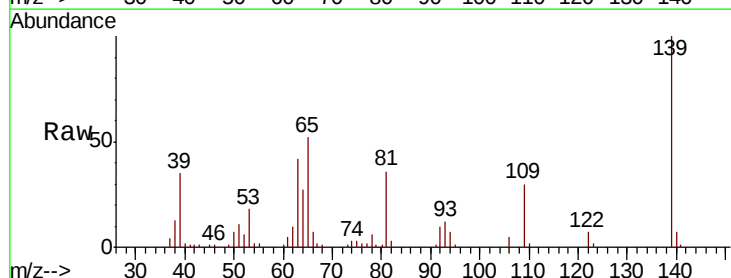
RT: 7.63 min Scan# 943

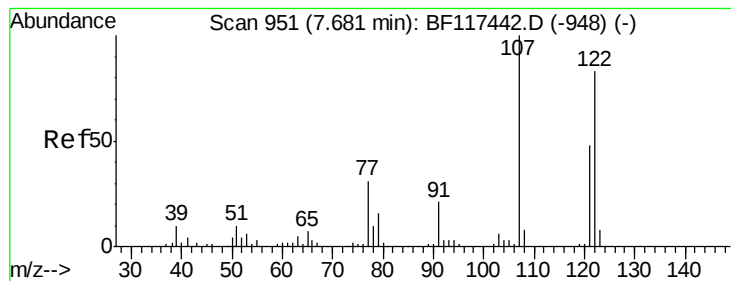
Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	139	Resp:	57816
Ion Ratio		Lower	Upper
139	100		
109	30.2	23.2	34.8
65	51.8	41.1	61.7





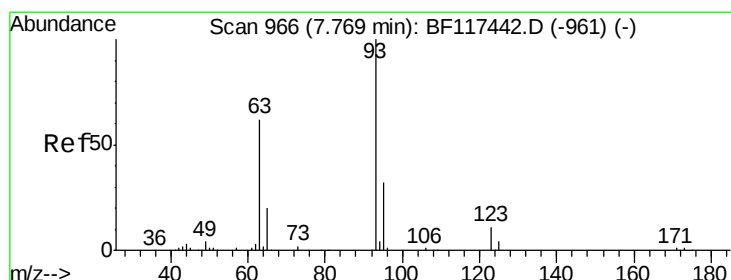
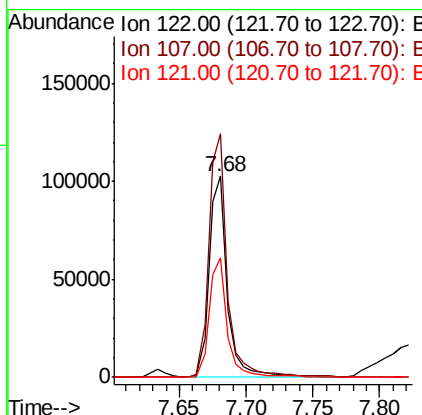
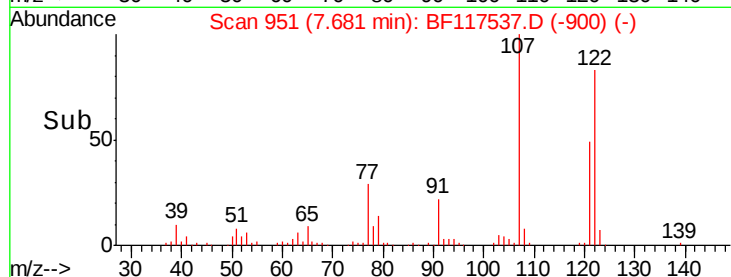
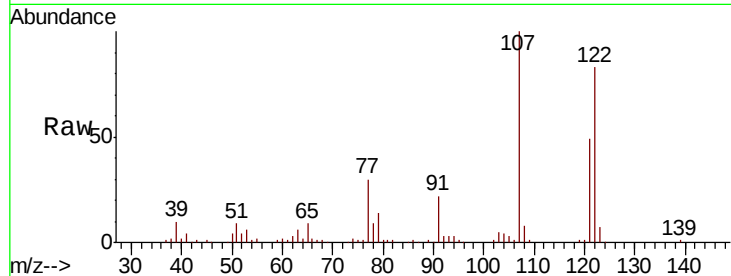
#27
 2,4-Dimethylphenol
 Concen: 53.559 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		98420		
107	120.9	96.8		145.2	
121	59.4	46.4		69.6	

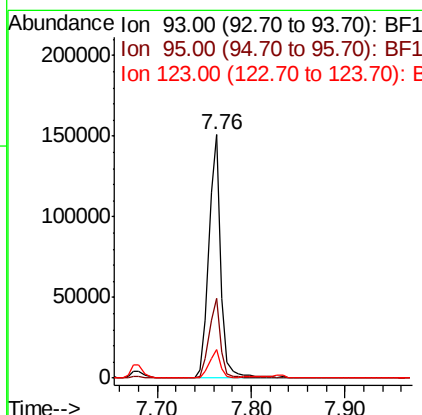
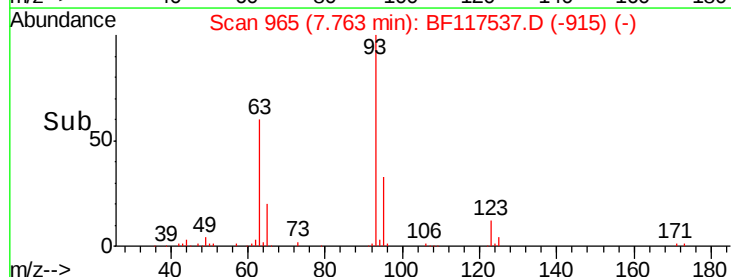
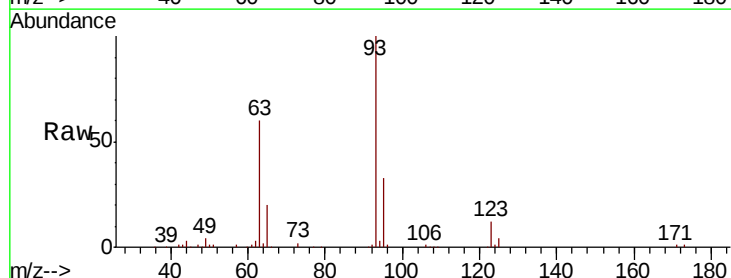
Manual Integrations
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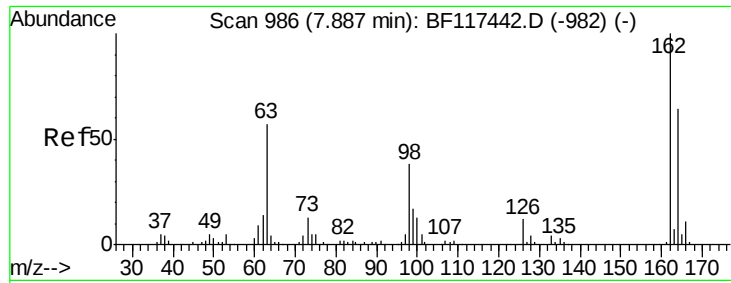
mohammad
 10/30/2019 4:50:46 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.077 ng
 RT: 7.76 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		135431		
95	32.8	25.5		38.3	
123	11.7	9.0		13.6	





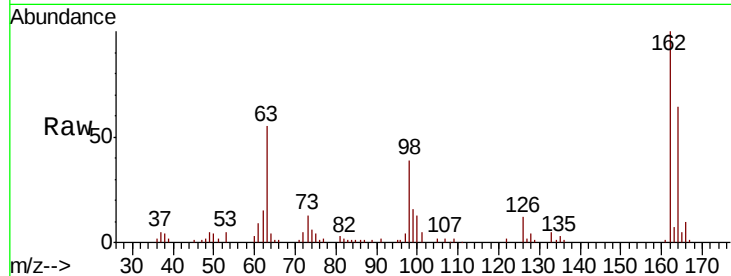
#29
 2,4-Dichlorophenol
 Concen: 45.348 ng
 RT: 7.89 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

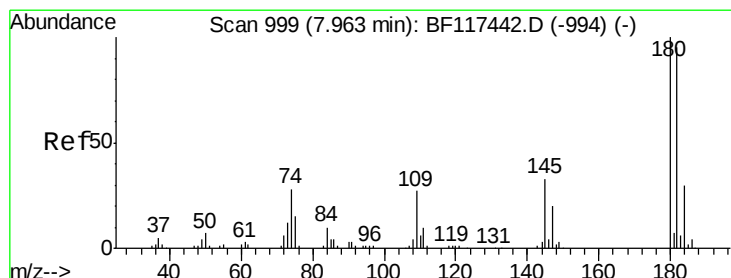
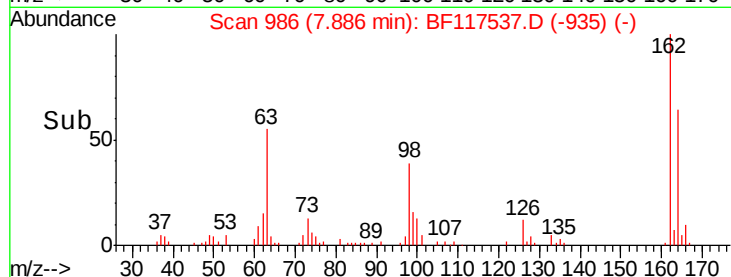
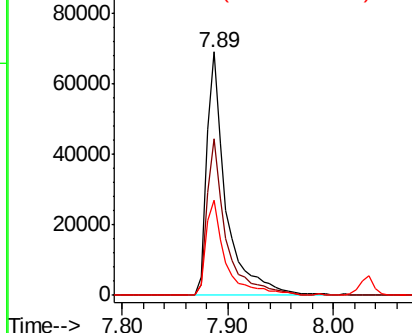
Tot Ion:	162	Resp:	87404
Ion Ratio	Lower	Upper	
162	100		
164	64.1	44.4	84.4
98	39.0	18.2	58.2

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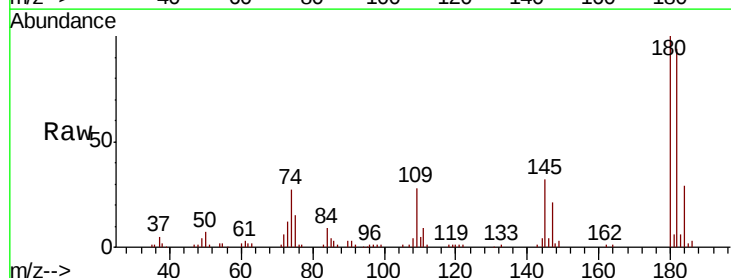


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

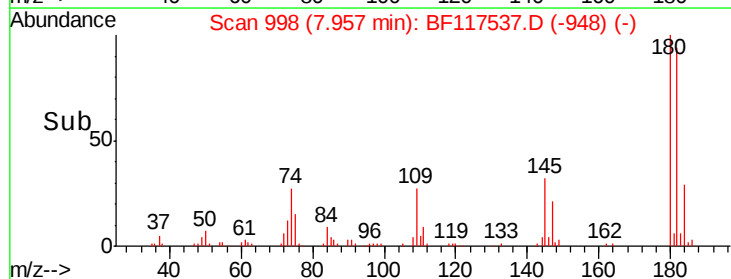
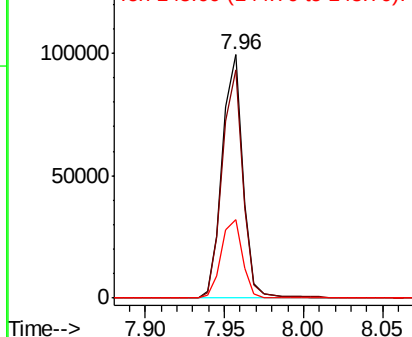


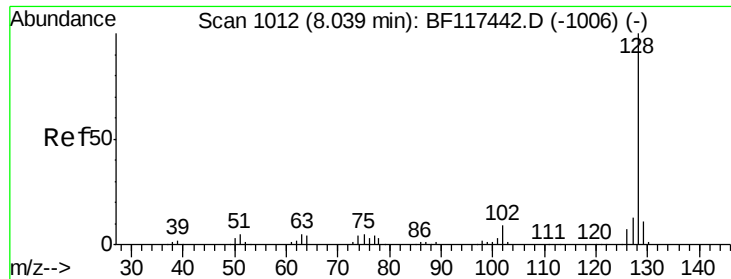
#30
 1,2,4-Trichlorobenzene
 Concen: 43.463 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:	180	Resp:	89898
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.8	113.8
145	32.1	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





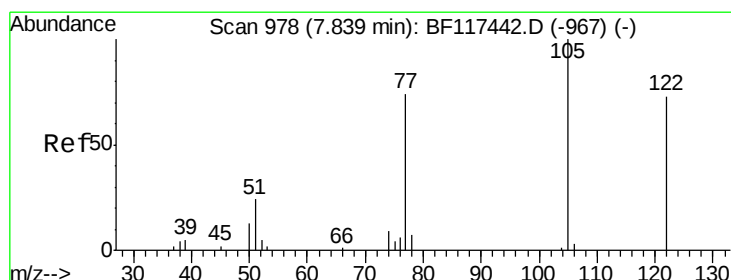
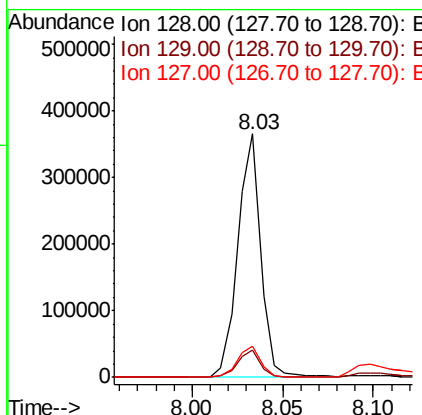
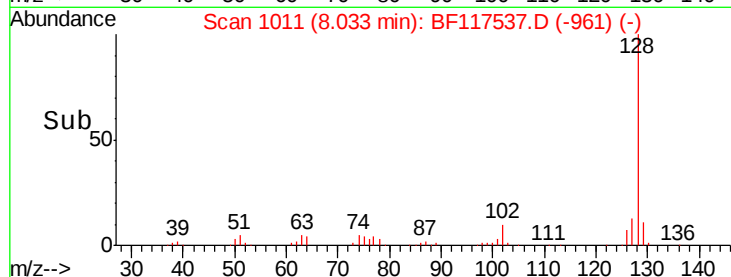
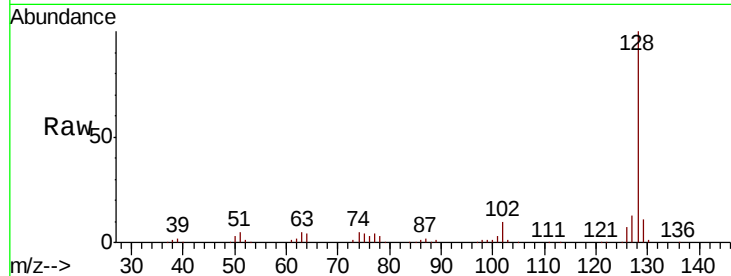
#31
Naphthalene
Concen: 45.704 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	9.0	13.4	
127	13.0	10.2	15.2	

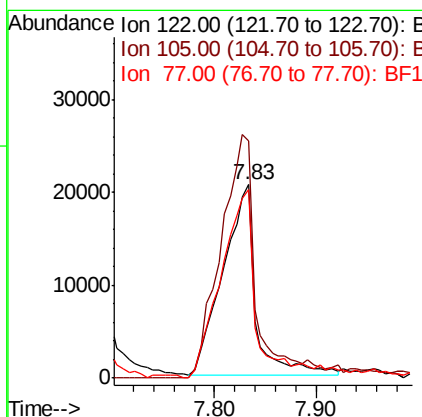
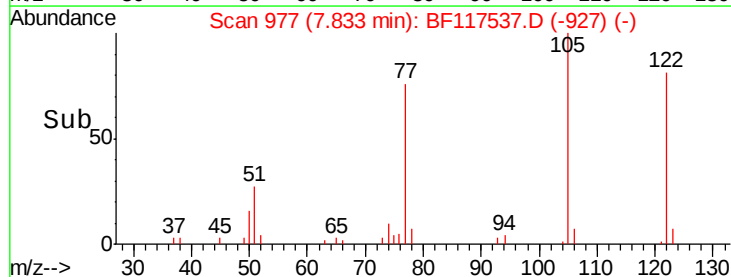
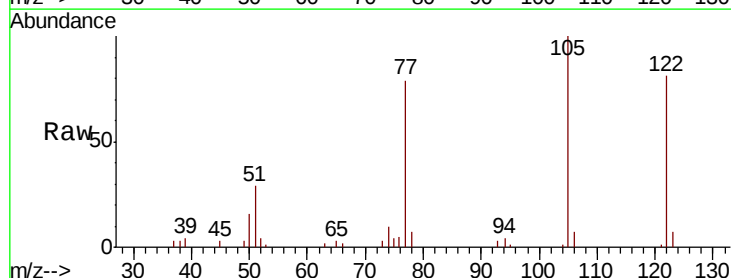
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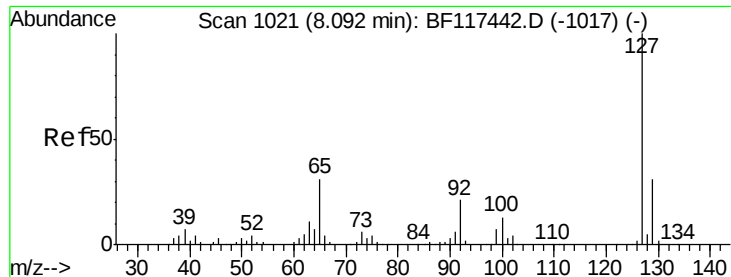
mohammad
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#32
Benzoic acid
Concen: 36.357 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	122.8	115.0	155.0	
77	97.4	79.7	119.7	





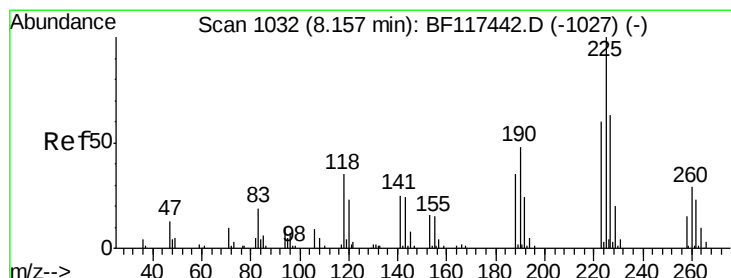
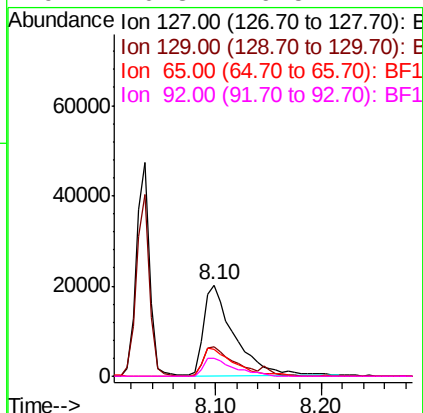
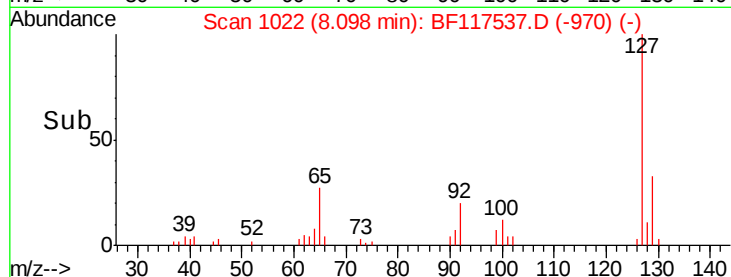
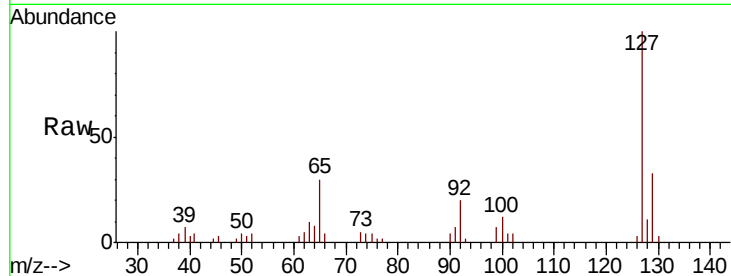
#33
4-Chloroaniline
Concen: 13.406 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	24.8	37.2		
65	29.8	24.6	37.0		
92	20.3	16.5	24.7		

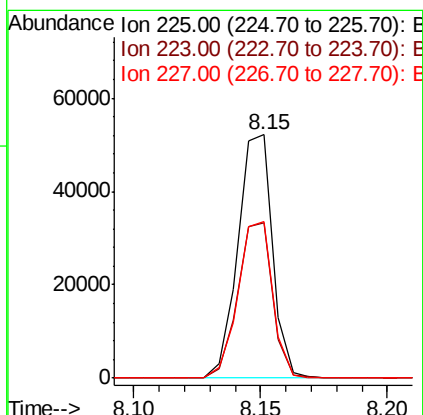
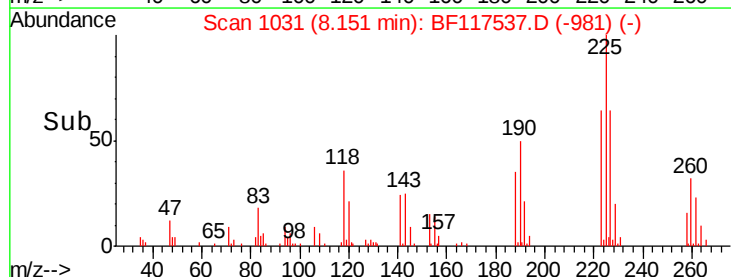
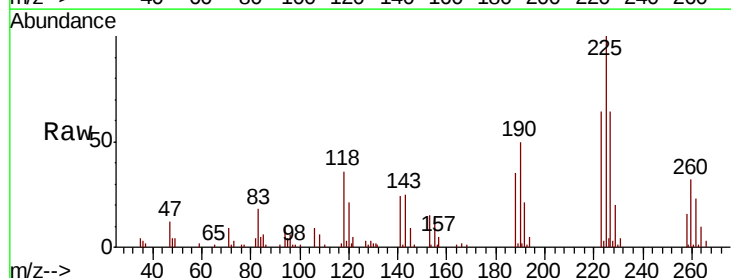
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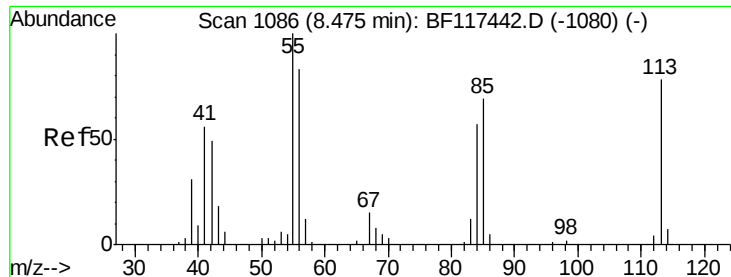
mohammad
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#34
Hexachlorobutadiene
Concen: 41.348 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.8	48.2	72.4		
227	64.3	50.2	75.4		





#35

Caprolactam

Concen: 46.840 ng/mL

RT: 8.46 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleID :

802-00-(0-2)MSD

Tot Ion: 113 Resp: 29002

Ion Ratio Lower Upper

113 100

55 135.1 108.8 148.8

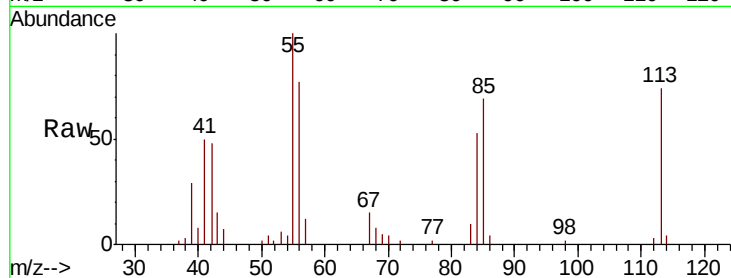
56 104.1 87.2 127.2

Manual Integrations

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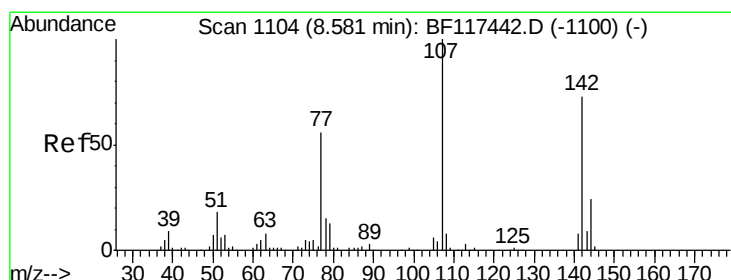
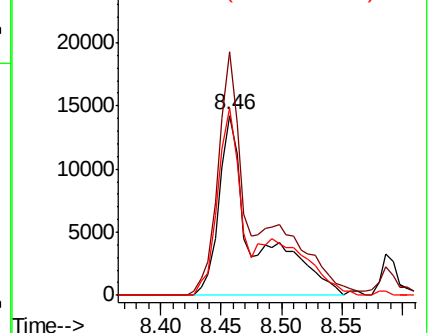
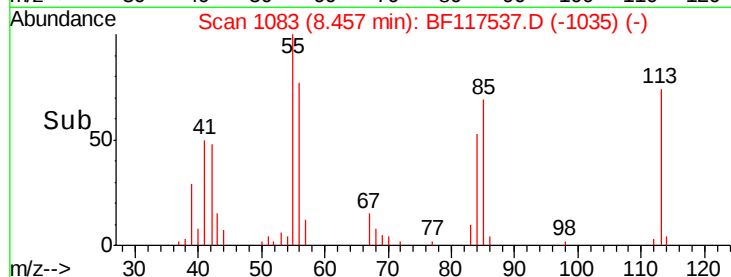
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.881 ng/mL

RT: 8.59 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

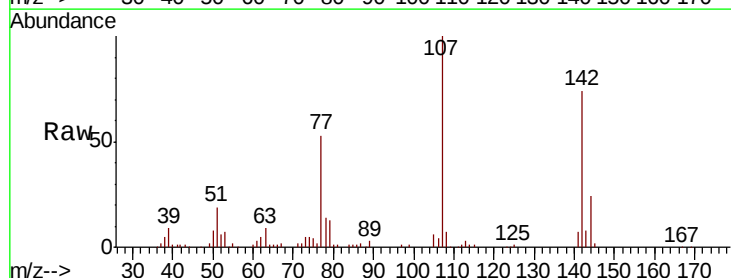
Tgt Ion: 107 Resp: 103053

Ion Ratio Lower Upper

107 100

144 24.1 18.9 28.3

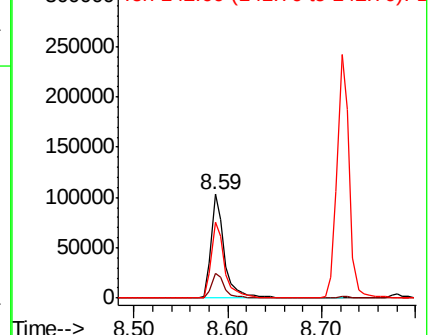
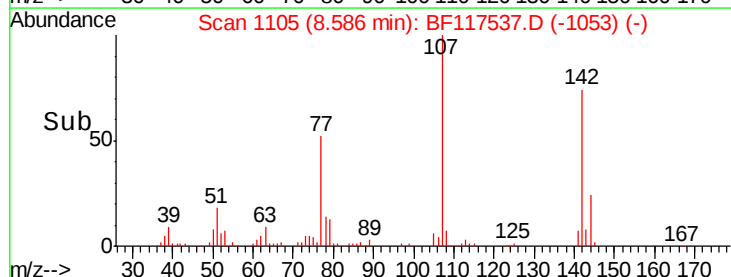
142 73.7 58.6 88.0

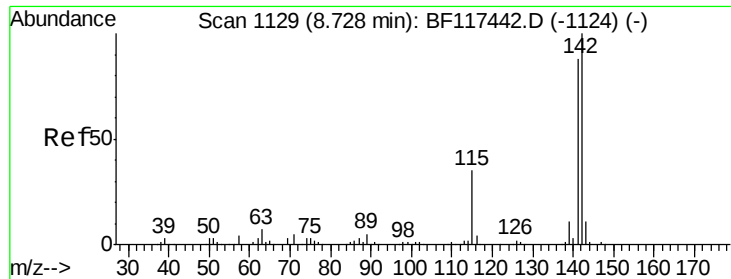


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





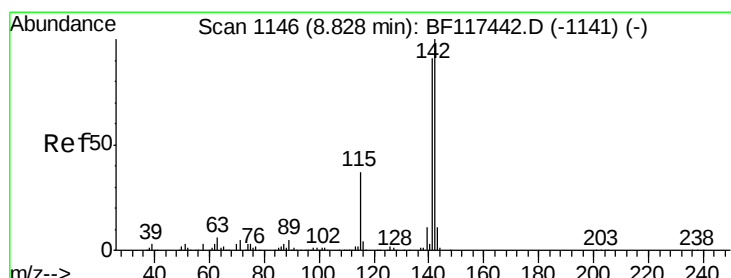
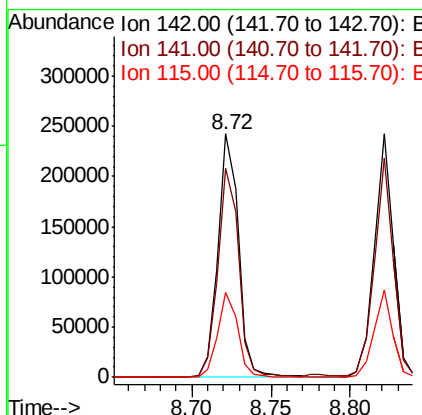
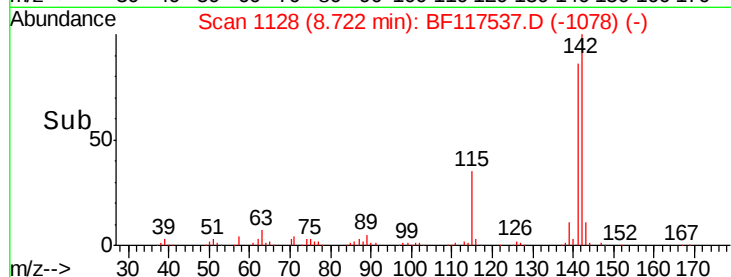
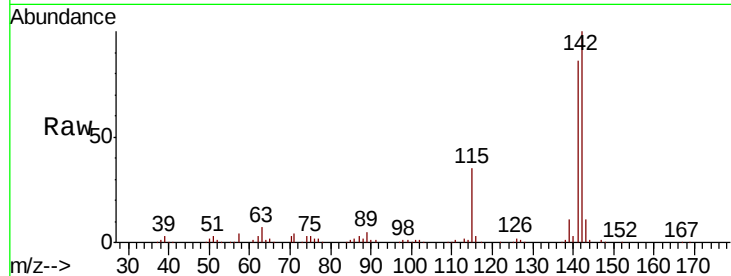
#37
2-Methylnaphthalene
Concen: 46.190 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	70.3	105.5
115	35.1	28.2	42.2

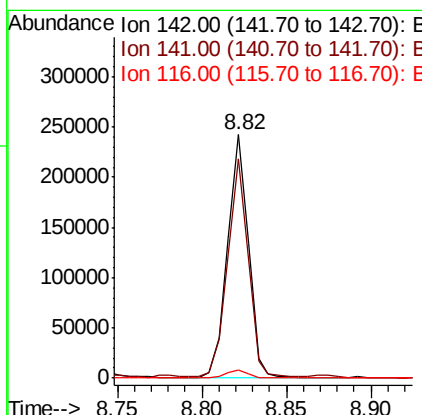
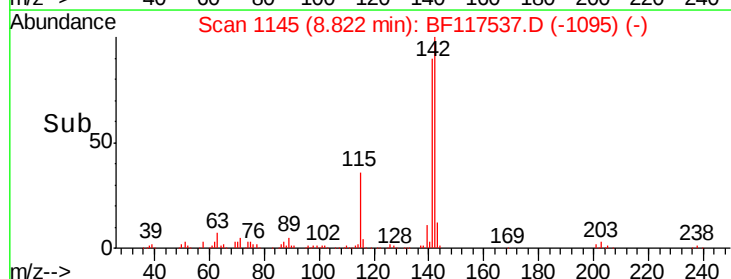
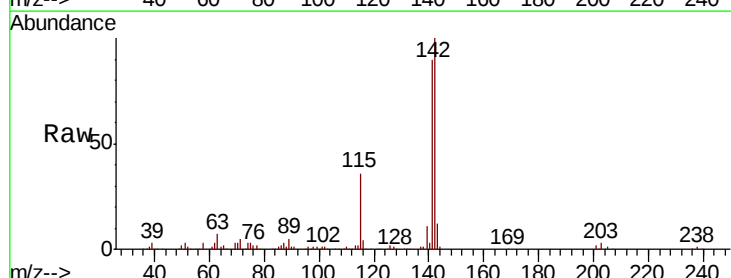
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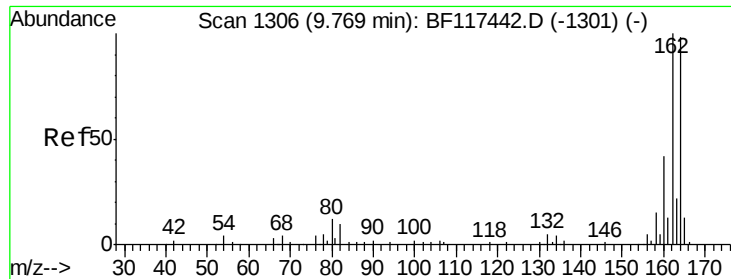
mohammad
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#38
1-Methylnaphthalene
Concen: 46.409 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	73.3	109.9
116	3.6	3.1	4.7





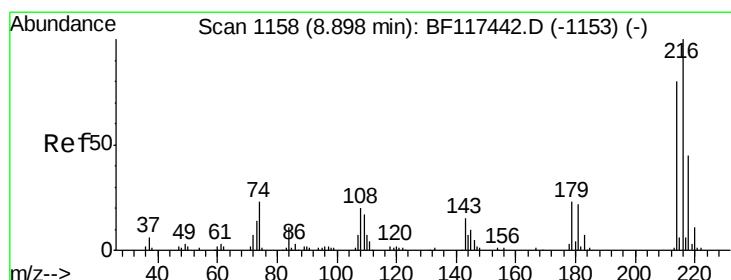
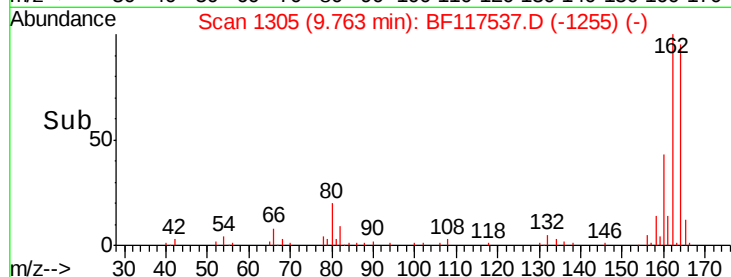
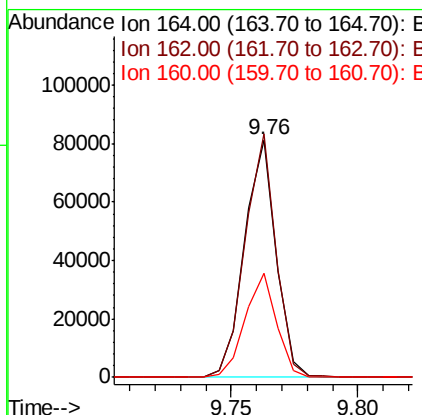
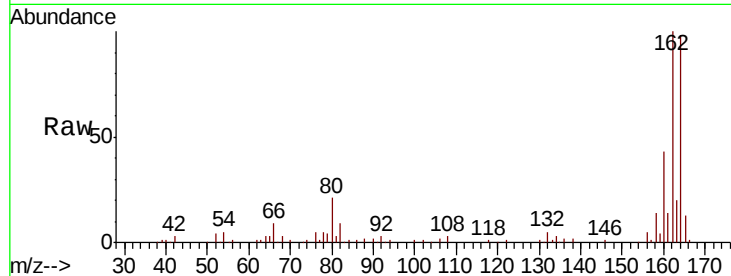
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.6
160	44.0	34.4	51.6

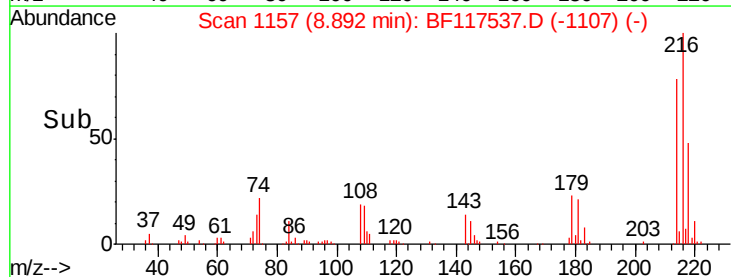
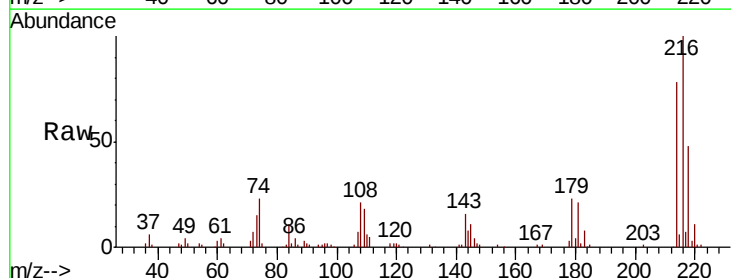
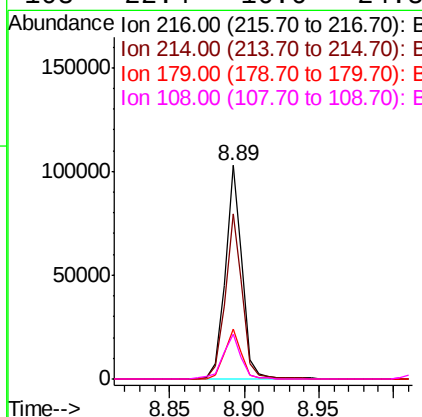
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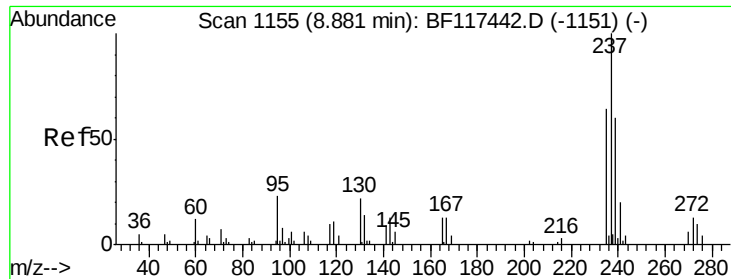
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.422 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.4	93.6
179	22.9	18.1	27.1
108	22.4	16.6	24.8





#41

Hexachlorocyclopentadiene

Concen: 38.877 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

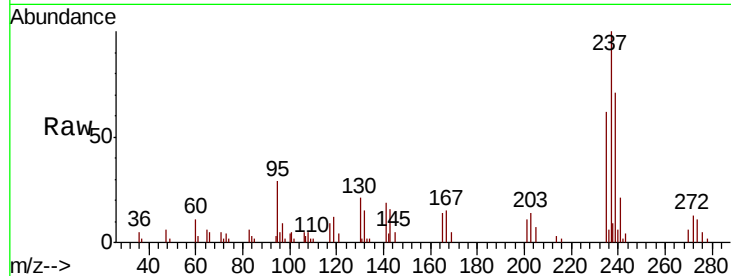
ClientSampleId :

802-00-(0-2)MSD

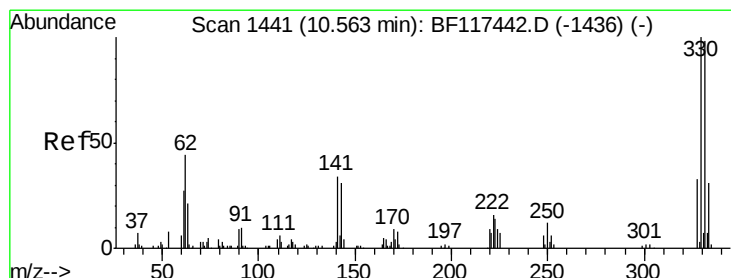
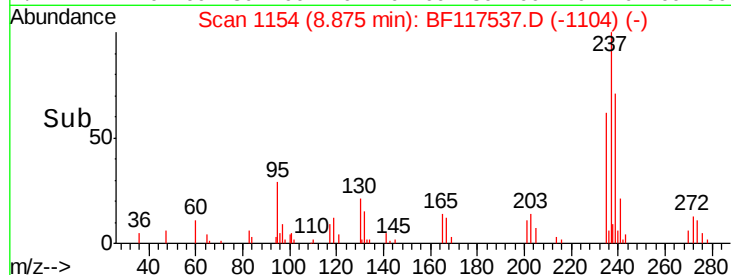
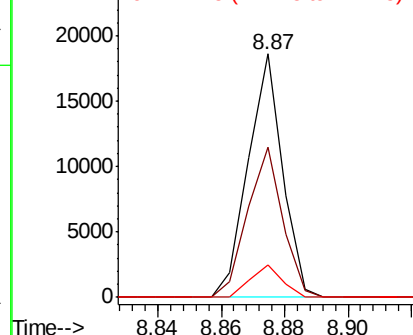
Tot Ion:	237	Resp:	13960
Ion Ratio	Lower	Upper	
237	100		
235	61.6	44.3	84.3
272	13.2	0.0	33.2

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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: 107.634 ng

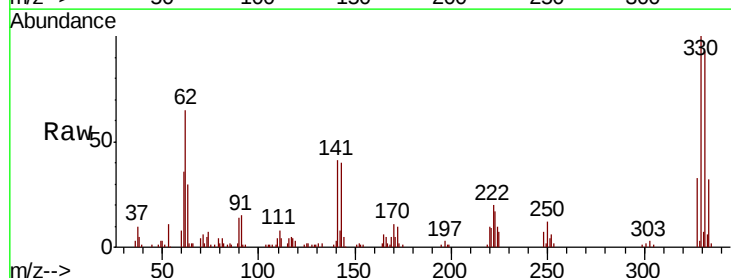
RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

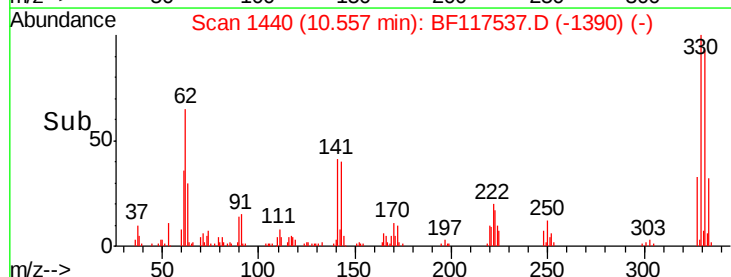
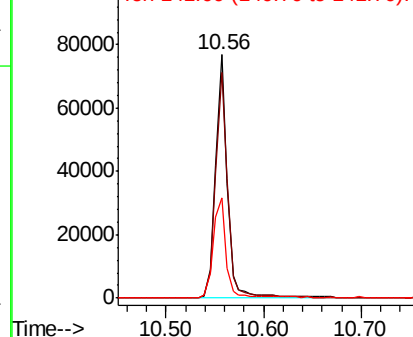
Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	330	Resp:	65612
Ion Ratio	Lower	Upper	
330	100		
332	95.4	78.5	117.7
141	44.3	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





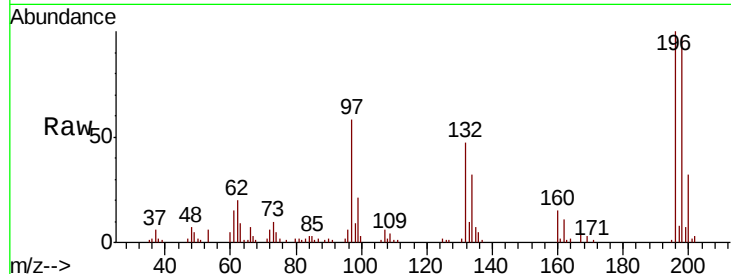
#43
 2,4,6-Trichlorophenol
 Concen: 46.536 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

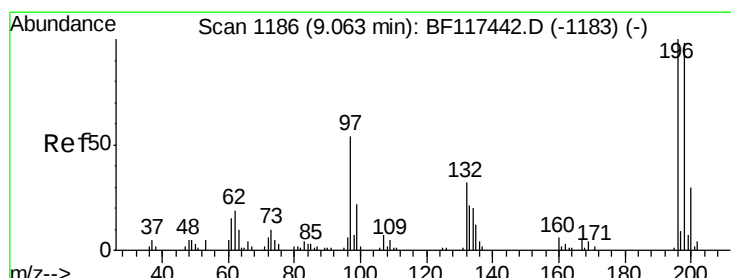
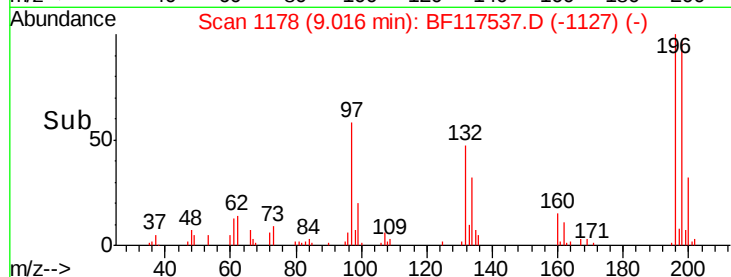
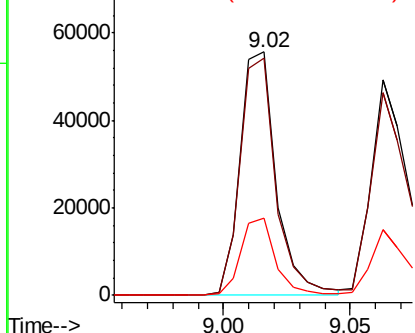
Tot Ion:	196	Resp:	55298
Ion Ratio	Lower	Upper	
196	100		
198	97.4	74.1	111.1
200	31.5	23.9	35.9

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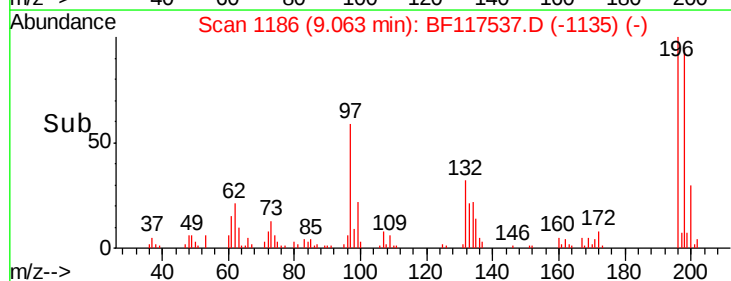
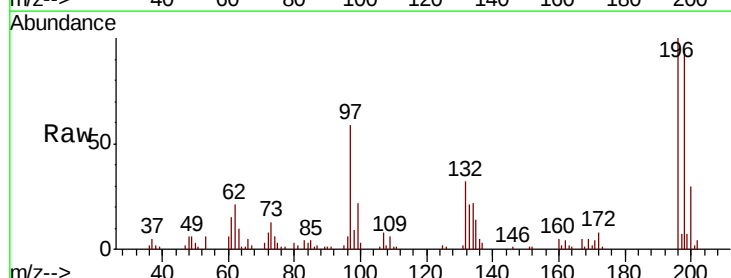
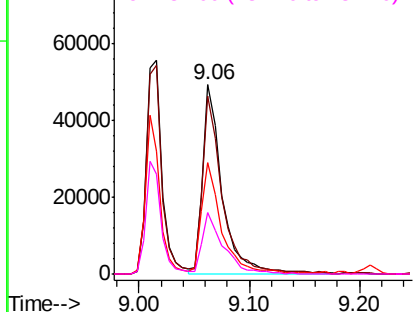
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

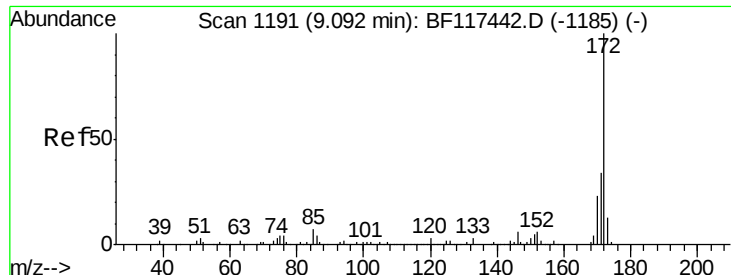


#44
 2,4,5-Trichlorophenol
 Concen: 49.324 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:	196	Resp:	59392
Ion Ratio	Lower	Upper	
196	100		
198	94.1	78.6	117.8
97	58.9	43.4	65.2
132	32.3	26.0	39.0

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E





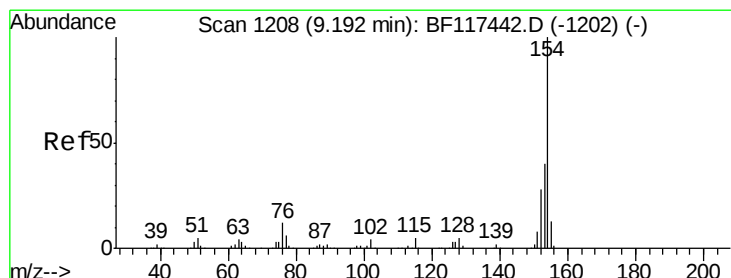
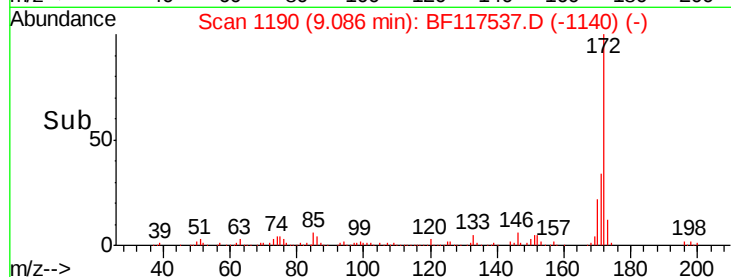
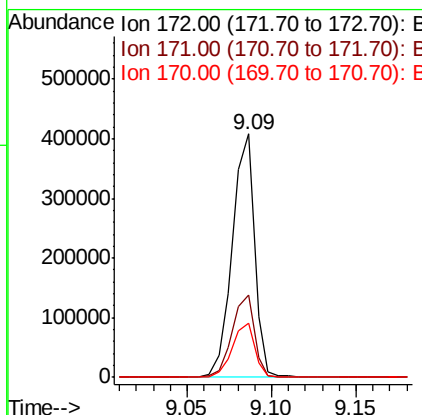
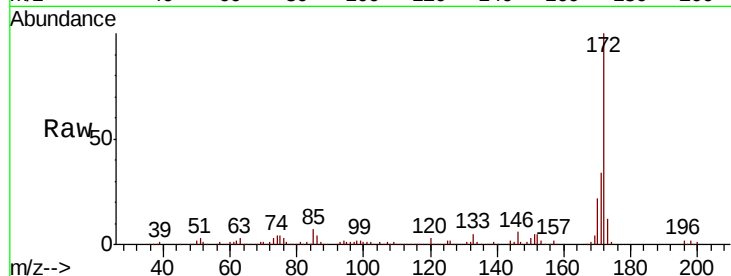
#45
2-Fluorobiphenyl
Concen: 74.518 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.5	41.3
170	22.3	18.6	27.8

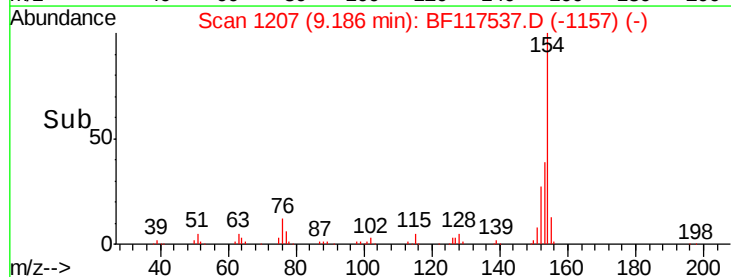
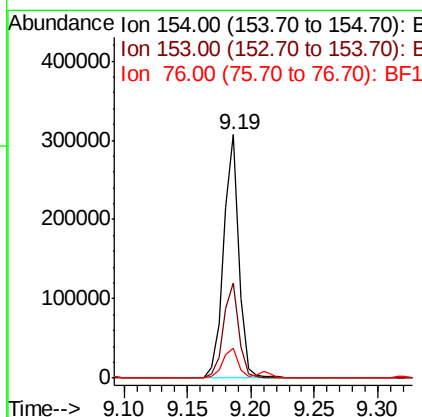
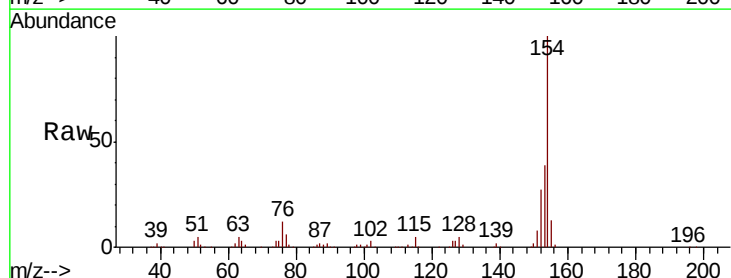
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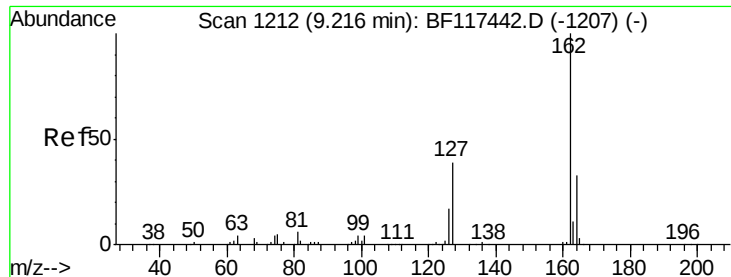
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#46
1,1'-Biphenyl
Concen: 44.225 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.2	60.2
76	12.1	0.0	32.1





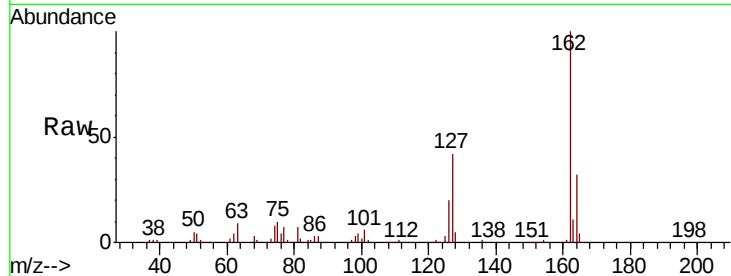
#47
2-Chloronaphthalene
Concen: 44.141 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.3	34.2	51.4
164	32.4	26.4	39.6

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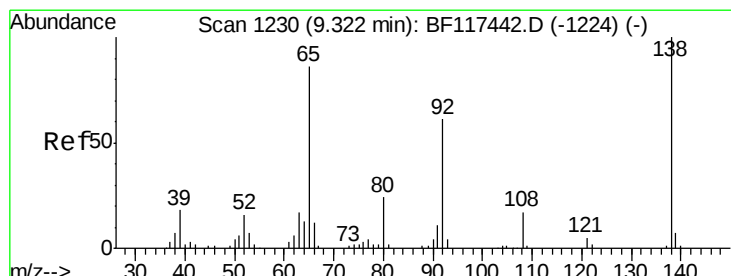
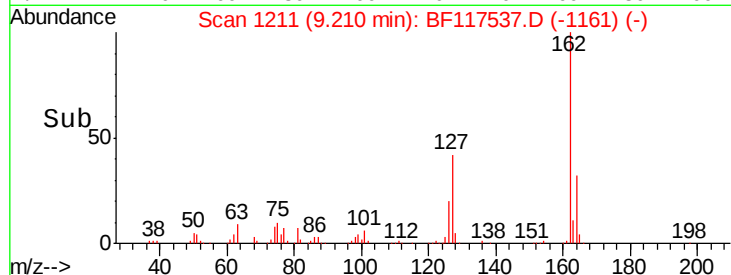
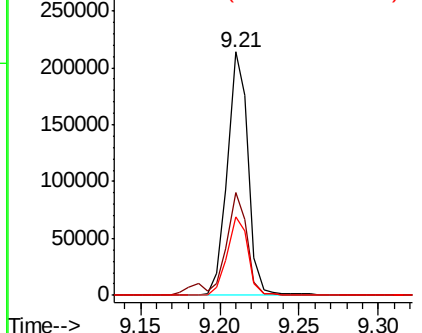


Abundance

Ion 162.00 (161.70 to 162.70): E

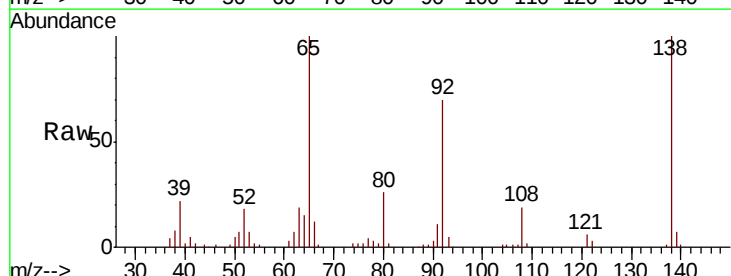
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 42.663 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.0	57.3	85.9
138	100.5	93.3	139.9

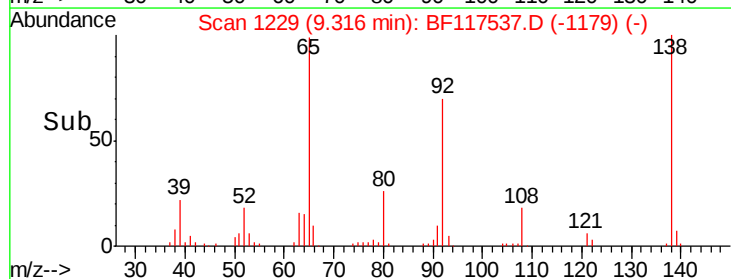
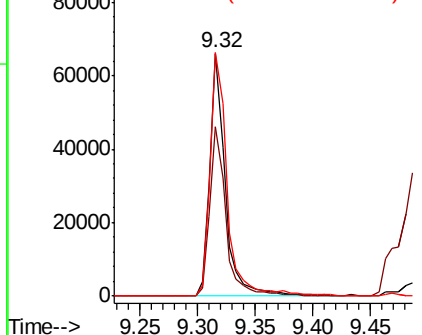


Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 46.664 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

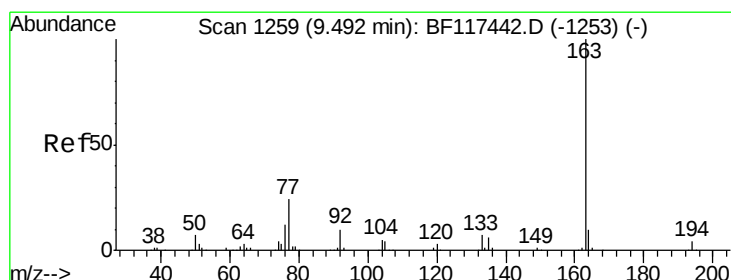
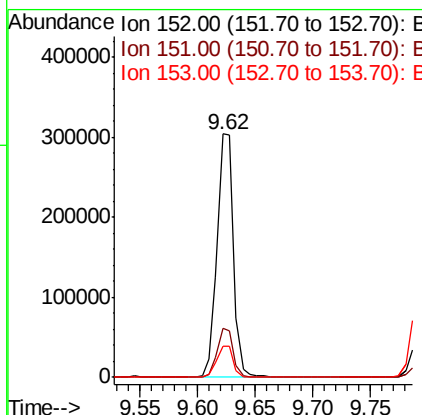
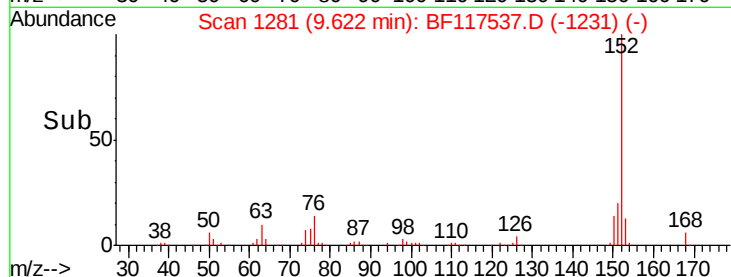
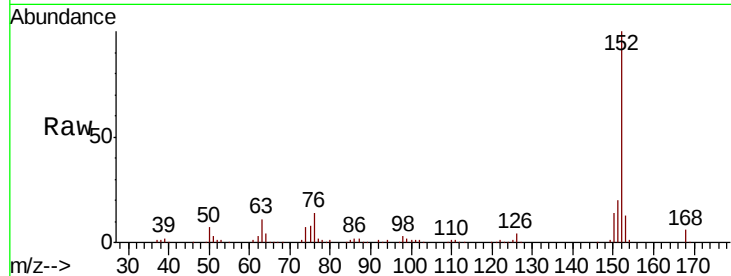
ClientSampleId :

802-00-(0-2)MSD

Tot Ion:	152	Resp:	301415
Ion Ratio		Lower	Upper
152	100		
151	19.9	15.4	23.0
153	12.9	10.3	15.5

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#50

Dimethylphthalate

Concen: 54.964 ng

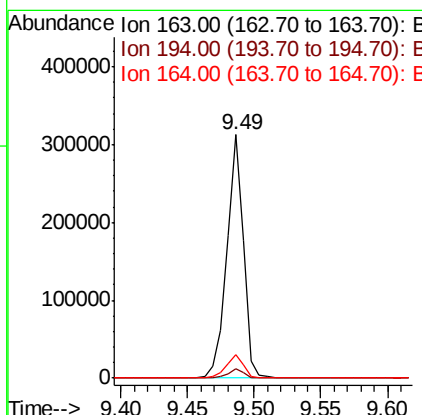
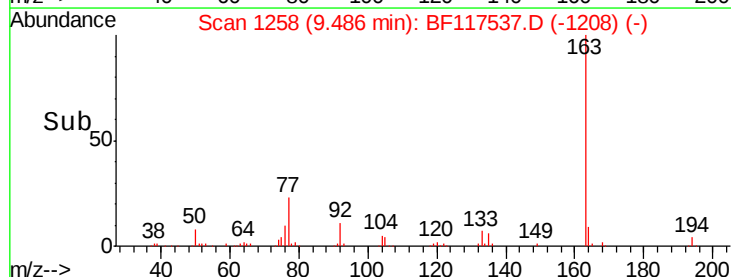
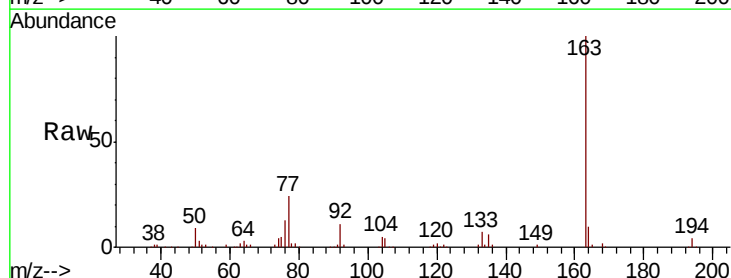
RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	163	Resp:	276049
Ion Ratio		Lower	Upper
163	100		
194	3.7	2.9	4.3
164	9.7	8.2	12.2





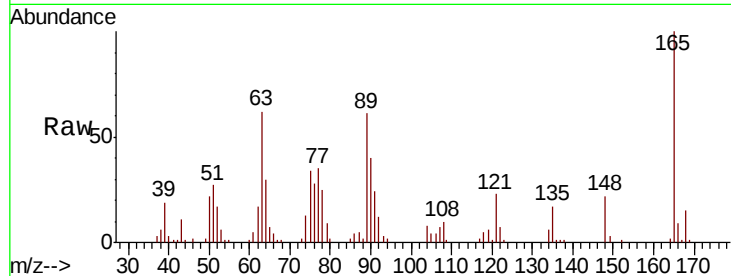
#51
2,6-Dinitrotoluene
Concen: 46.878 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

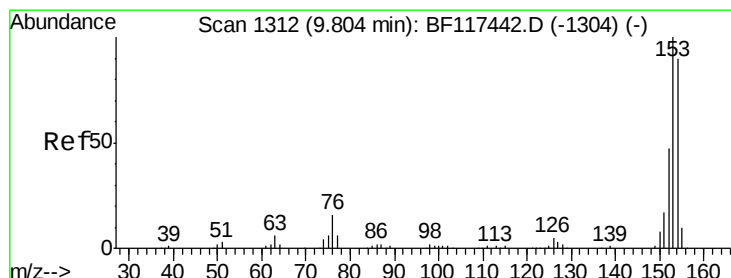
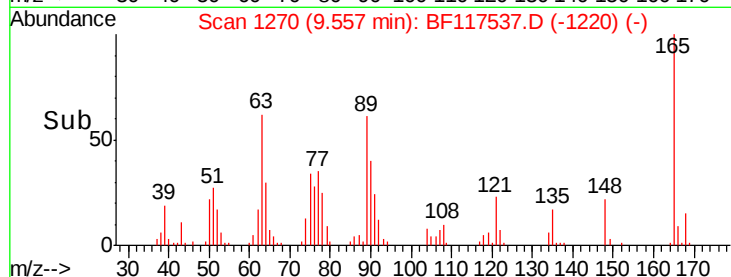
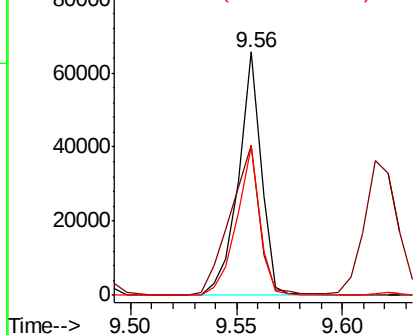
Tot Ion	Ratio	Resp	Lower	Upper
165	100	49130		
63	61.8	43.8	65.8	
89	61.2	47.6	71.4	

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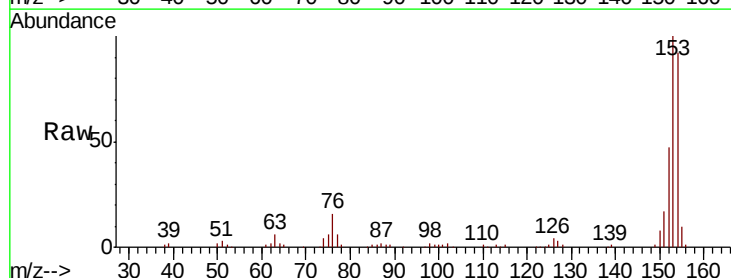


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

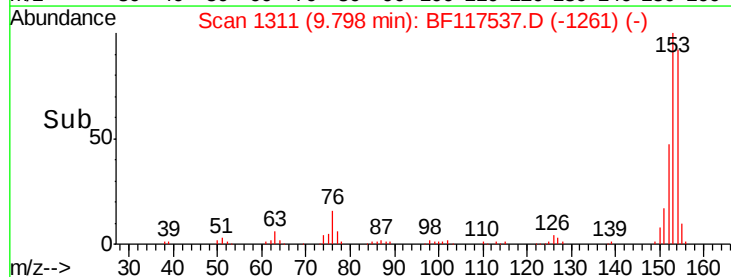
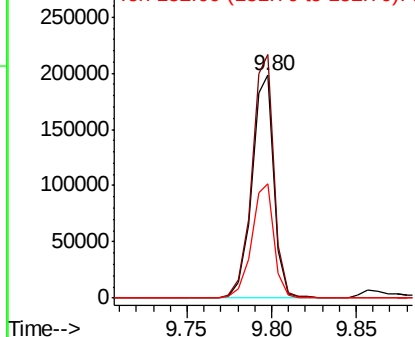


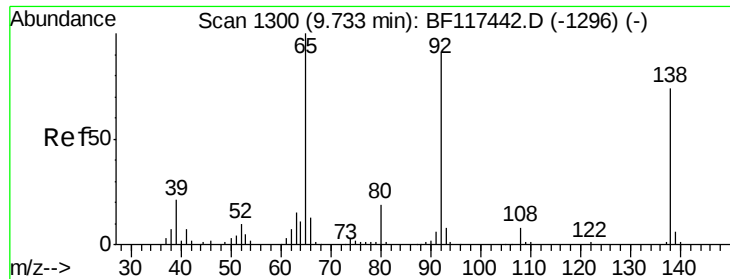
#52
Acenaphthene
Concen: 45.756 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	181325		
153	109.2	89.2	133.8	
152	51.5	41.8	62.6	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





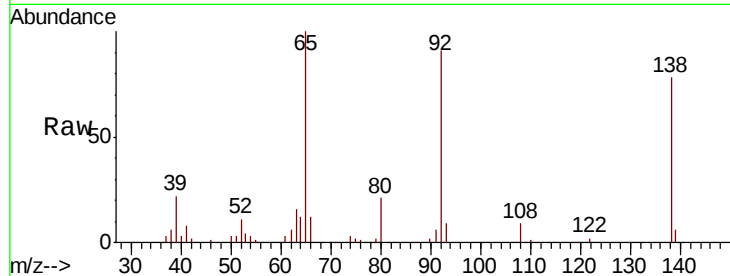
#53
3-Nitroaniline
Concen: 18.657 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.7	13.1
92	116.7	98.4	147.6

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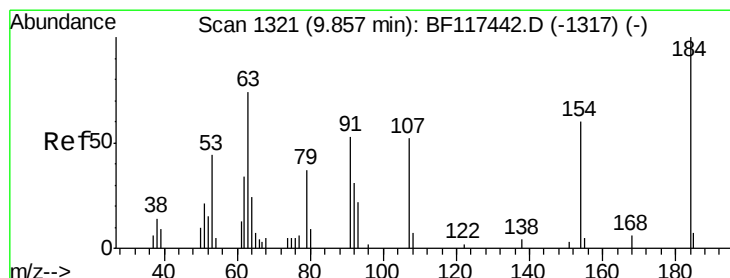
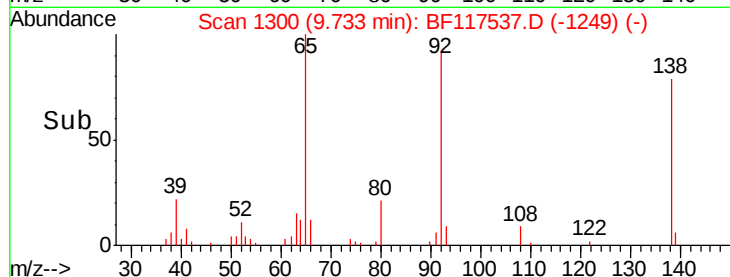
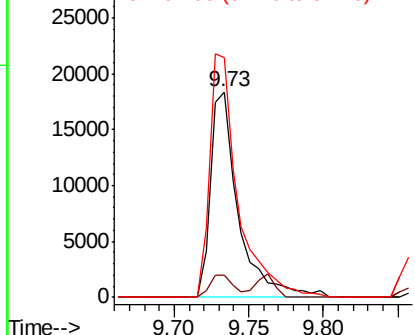


Abundance

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: 42.718 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

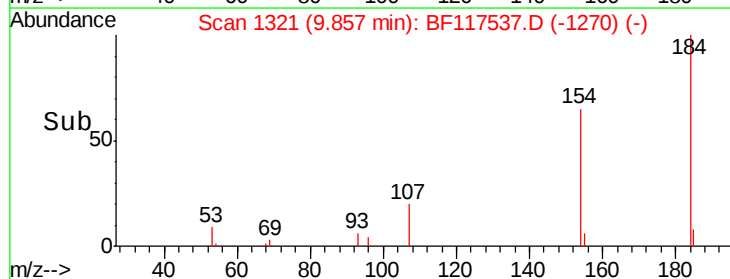
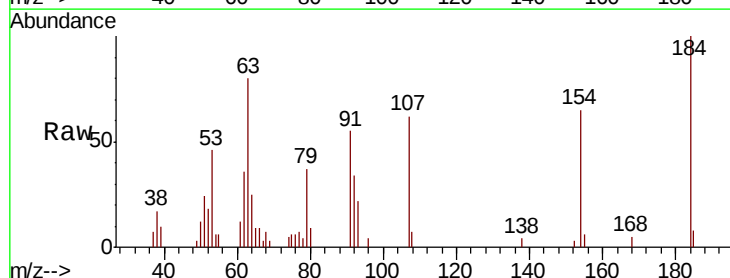
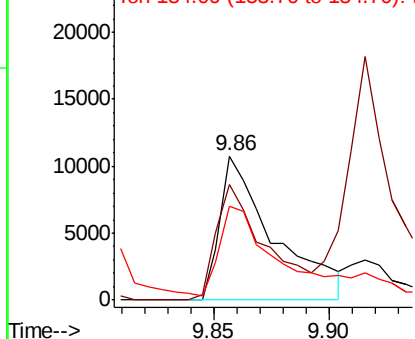
Tgt Ion	Ratio	Lower	Upper
184	100		
63	80.1	59.2	88.8
154	65.0	53.4	80.0

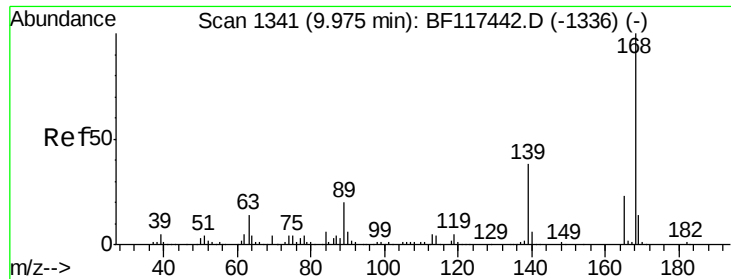
Abundance

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





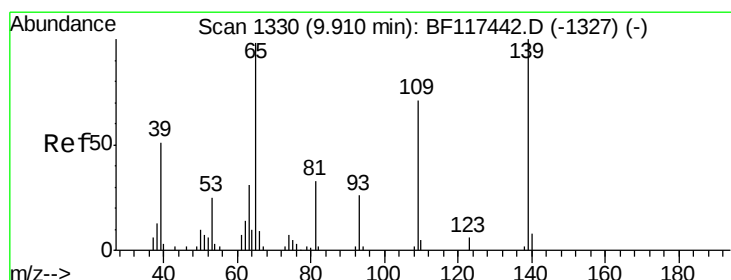
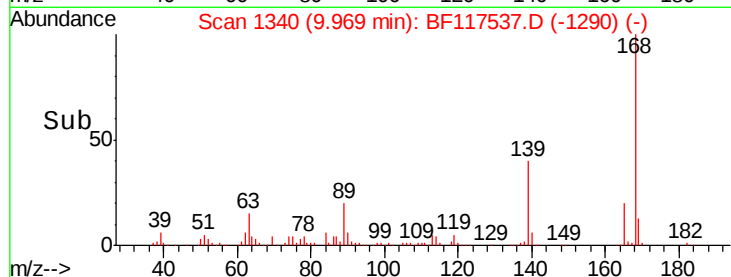
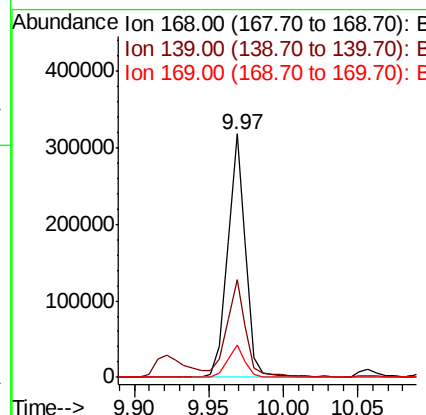
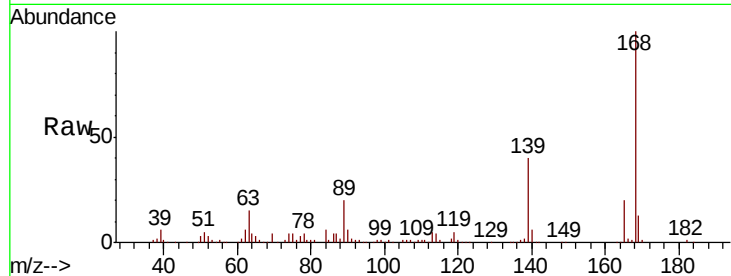
#55
Dibenzenofuran
Concen: 46.973 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	269697		
139	39.9		31.8	47.6
169	13.1		11.2	16.8

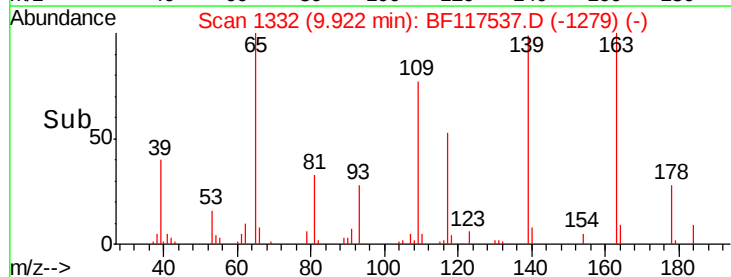
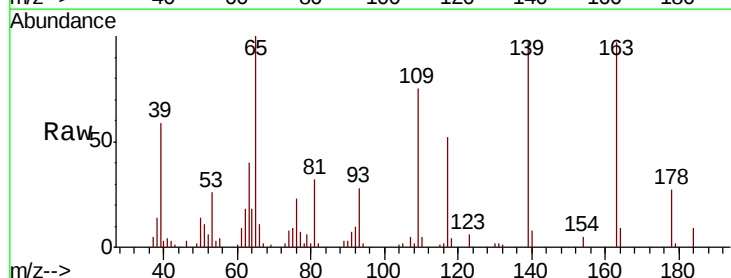
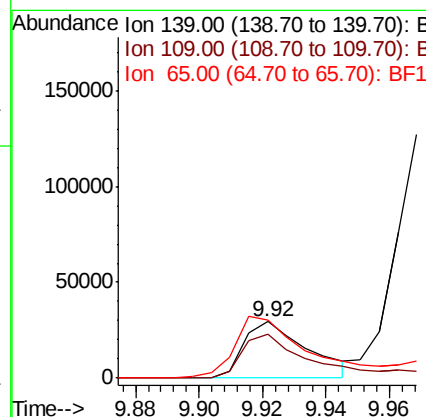
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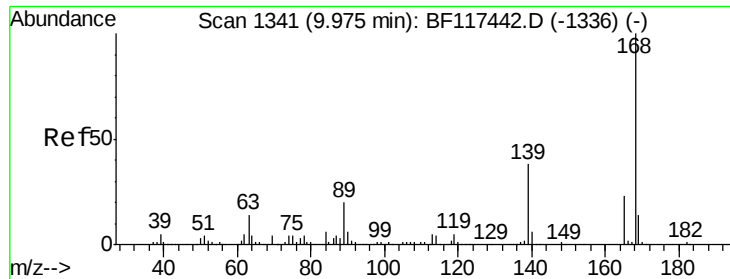
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#56
4-Nitrophenol
Concen: 70.070 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	40699		
109	77.7		51.4	91.4
65	103.6		79.4	119.4





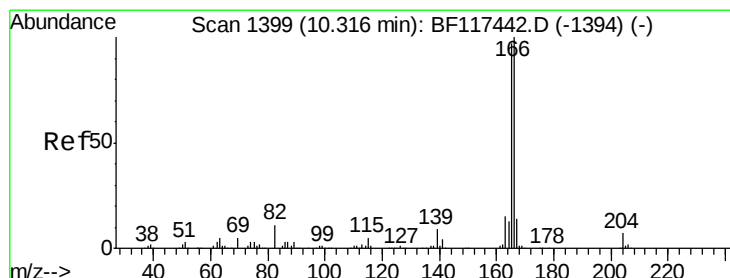
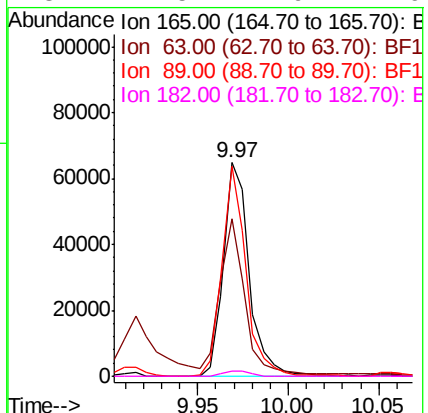
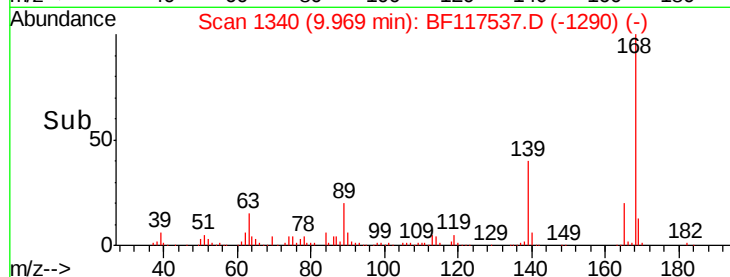
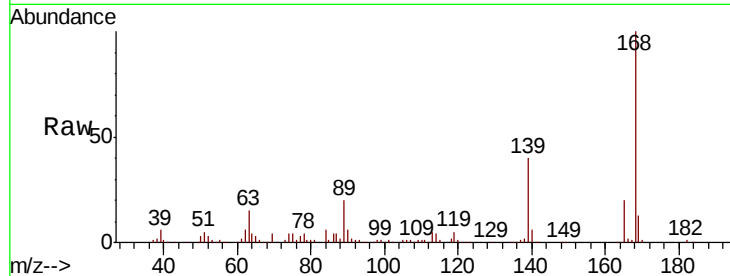
#57
2,4-Dinitrotoluene
Concen: 46.045 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	73.7	51.4	77.0
89	98.1	69.9	104.9
182	2.5	1.9	2.9

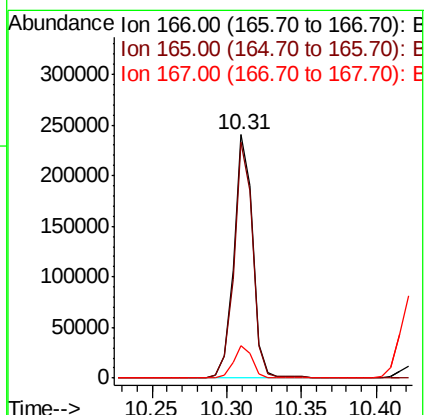
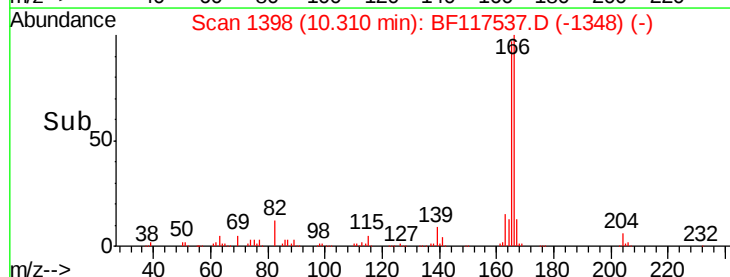
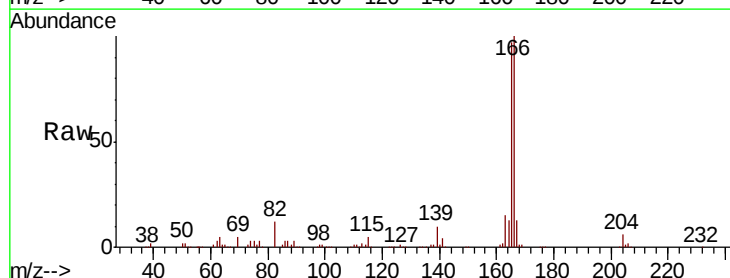
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#58
Fluorene
Concen: 45.235 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.6	116.4
167	13.4	11.0	16.4





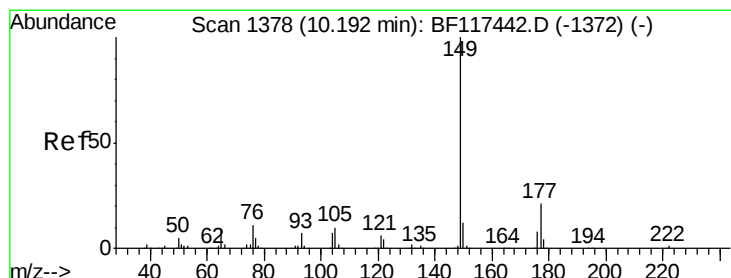
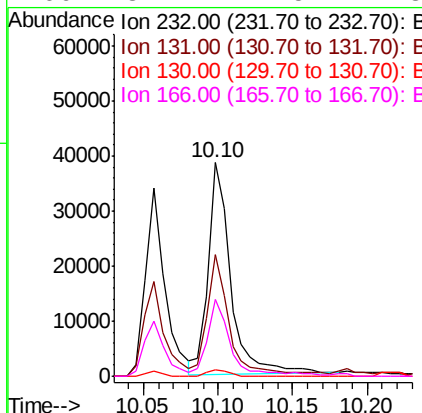
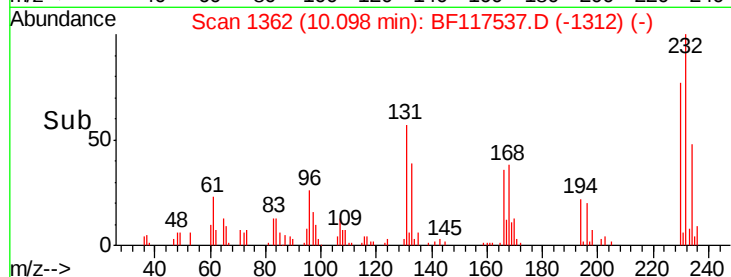
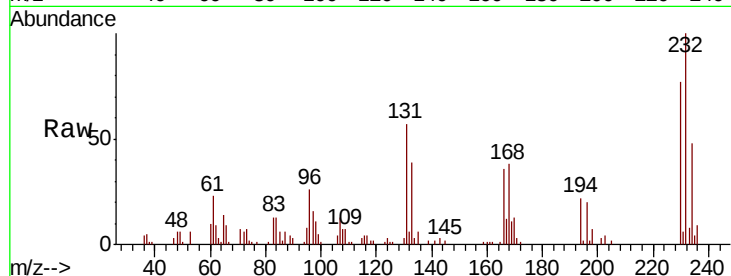
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.308 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	58.2	42.6	63.8
130	2.8	2.2	3.4
166	34.7	27.5	41.3

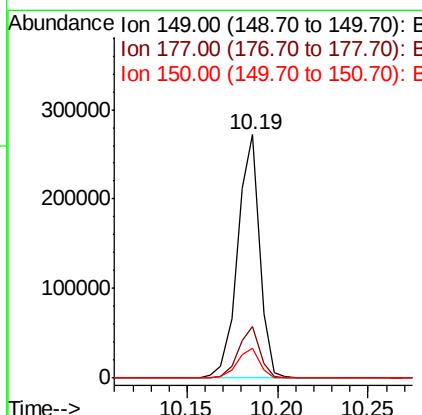
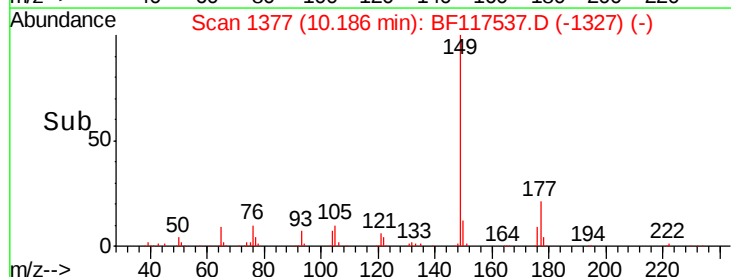
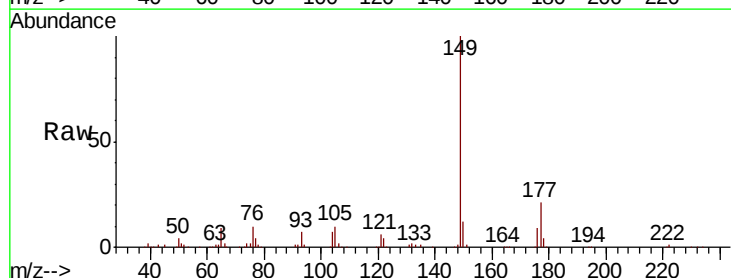
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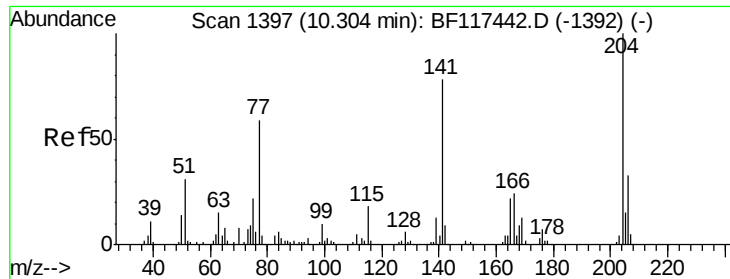
mohammad
 10/30/2019 4:50:46 PM



#60
 Diethylphthalate
 Concen: 45.060 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.0	25.4
150	12.4	9.8	14.6





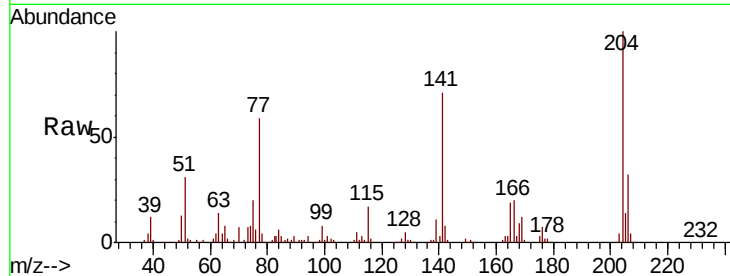
#61
4-Chlorophenyl-phenylether
Concen: 44.681 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	70.9	62.2	93.4

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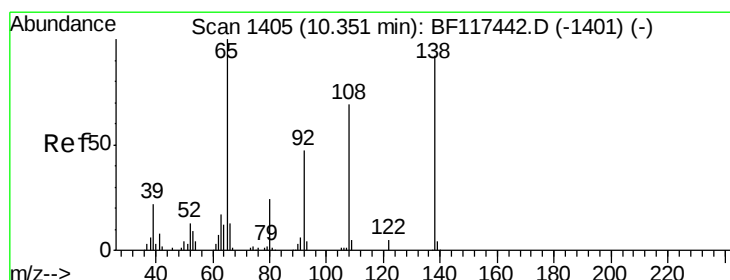
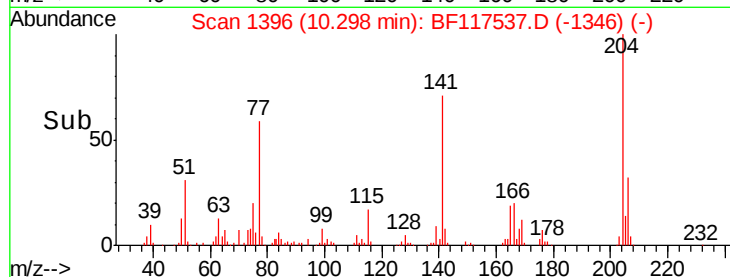
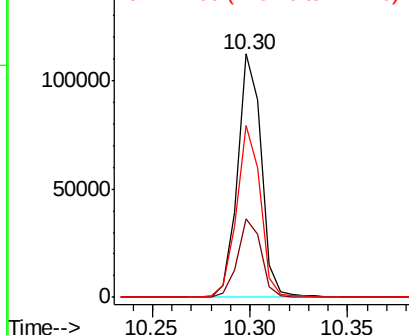


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 33.223 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

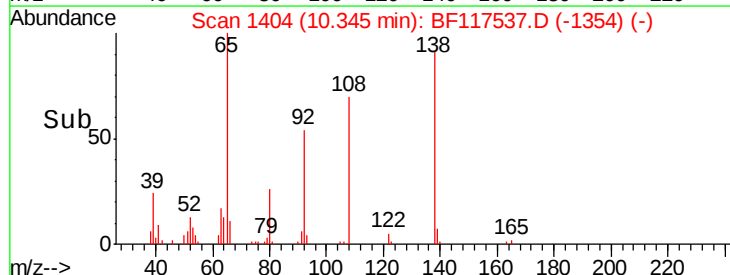
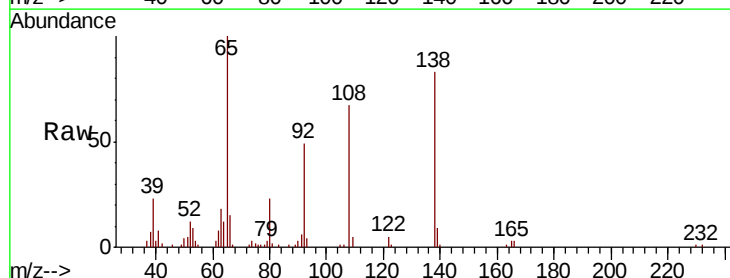
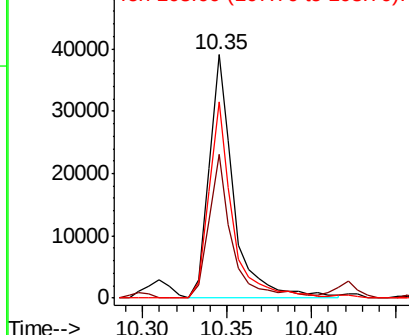
Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.8	30.3	70.3
108	80.5	54.9	94.9

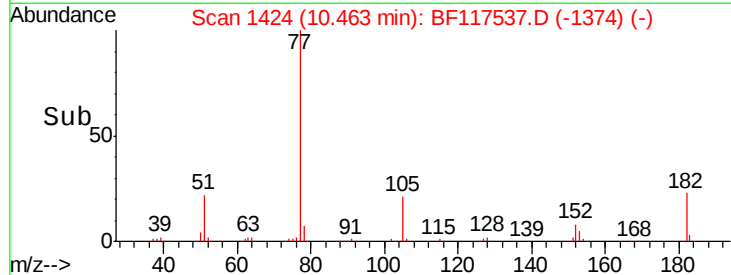
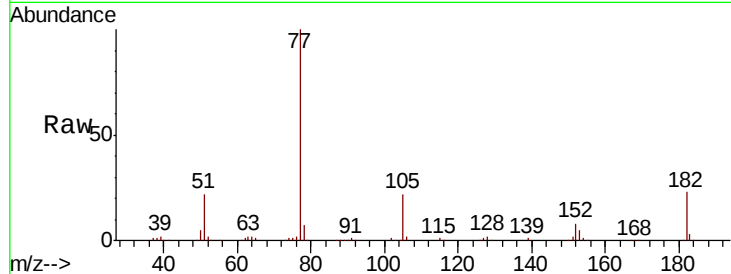
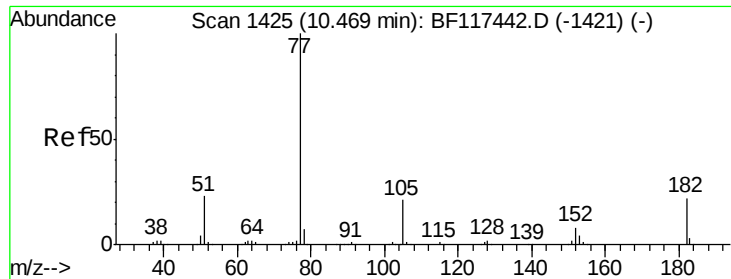
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





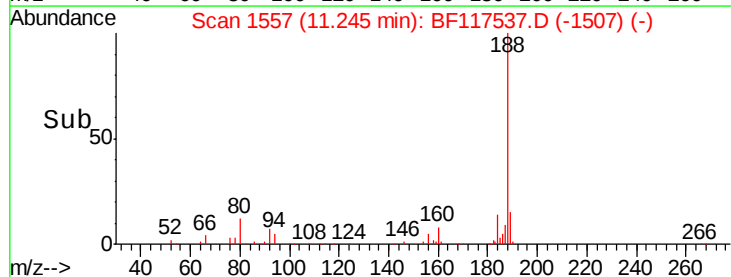
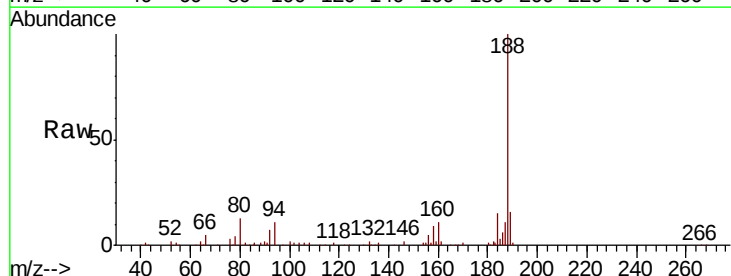
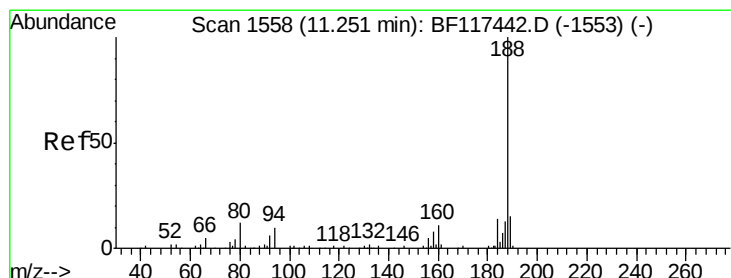
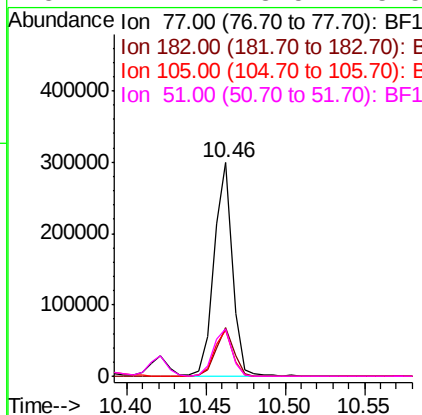
#63
Azobenzene
Concen: 45.938 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		238890		
182	22.6	2.3	42.3		
105	21.5	1.3	41.3		
51	22.2	3.5	43.5		

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

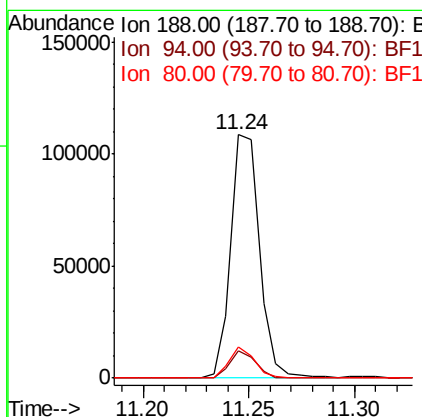
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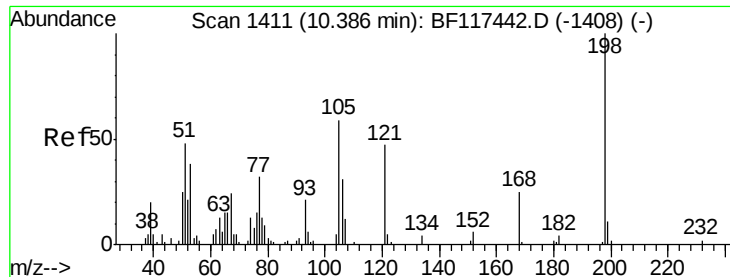
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		102006		
94	11.4	8.0	12.0		
80	12.6	9.5	14.3		





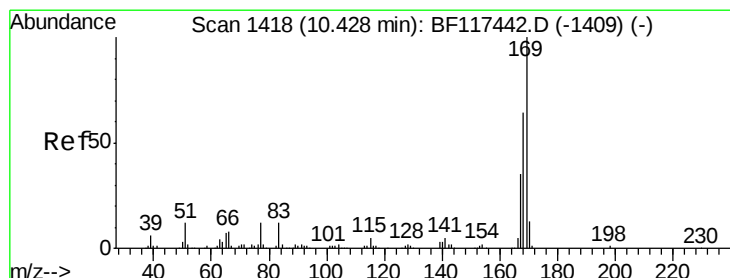
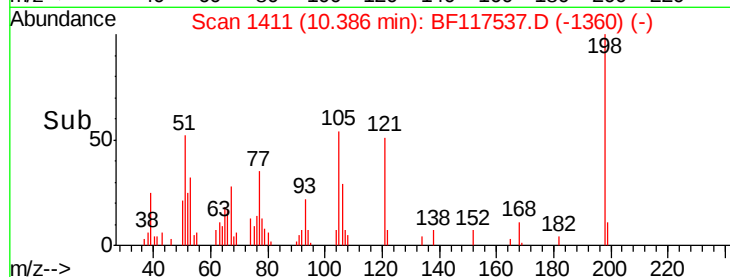
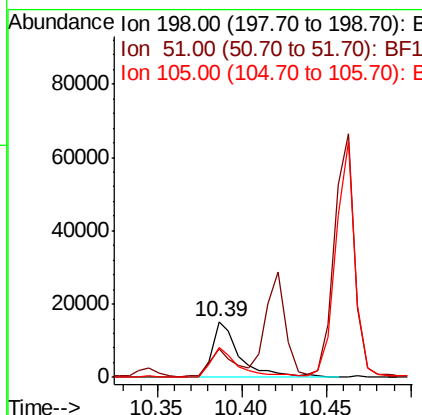
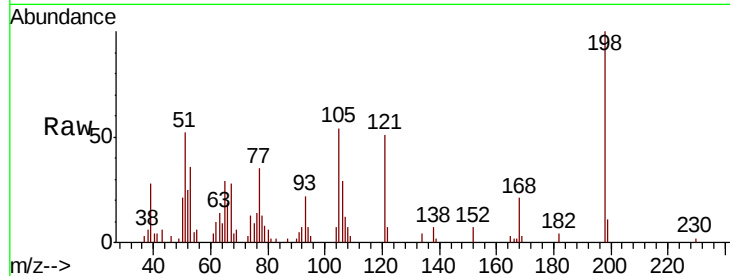
#65
 4,6-Dinitro-2-methylphenol
 Concen: 32.752 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	16986		
51	52.1	29.1	69.1	
105	54.3	39.4	79.4	

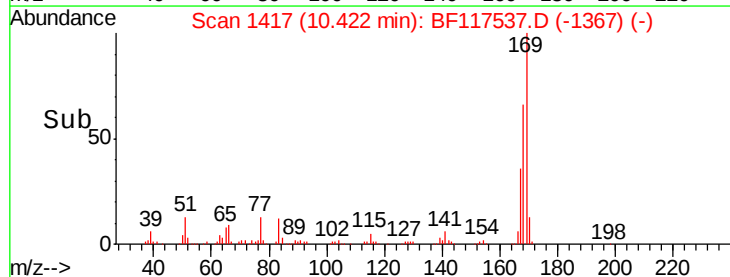
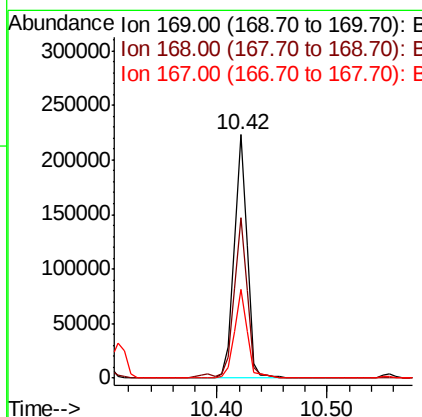
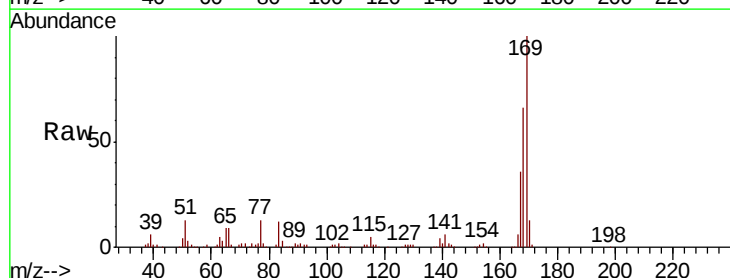
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#66
 n-Nitrosodiphenylamine
 Concen: 49.960 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	186307		
168	65.8	51.3	76.9	
167	36.3	28.2	42.4	





#67

4-Bromophenyl-phenylether

Concen: 46.616 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

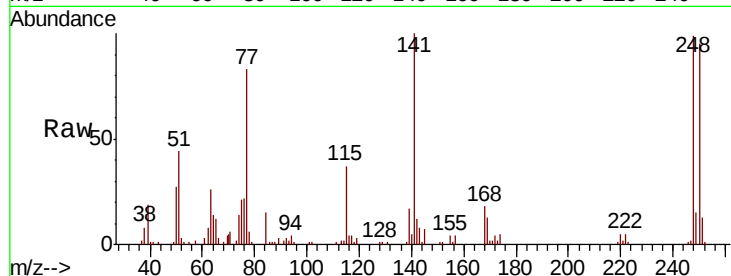
ClientSampleId :

802-00-(0-2)MSD

Tot Ion:	248	Resp:	51218
Ion Ratio	Lower	Upper	
248	100		
250	95.5	78.0	117.0
141	100.7	81.7	122.5

Manual Integrations
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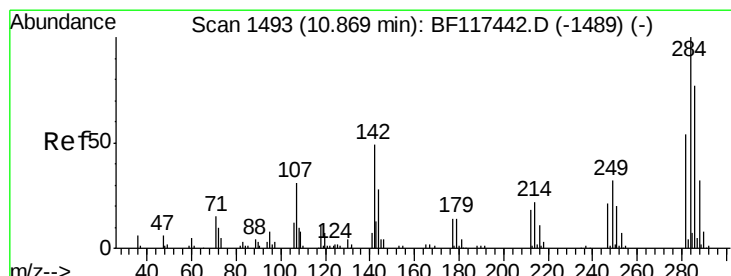
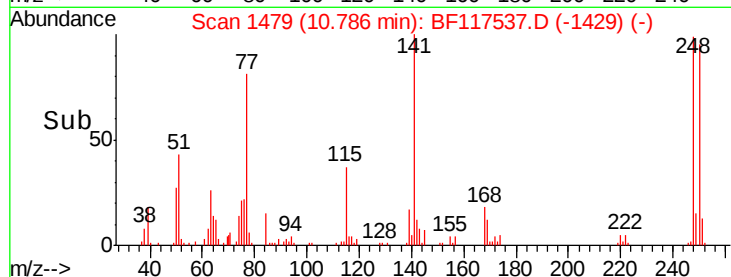
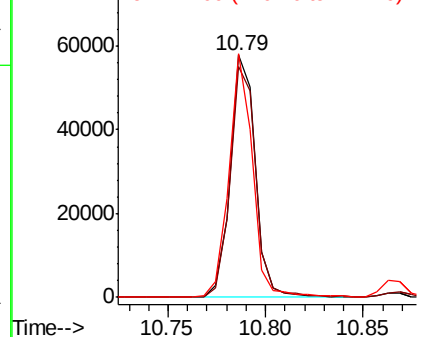


Abundance

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: 42.899 ng

RT: 10.87 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

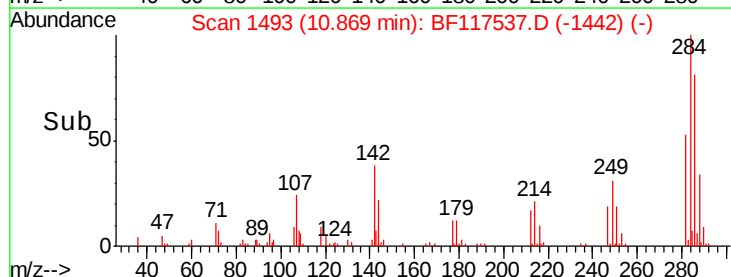
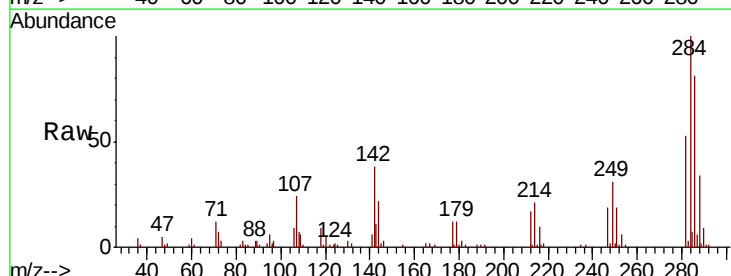
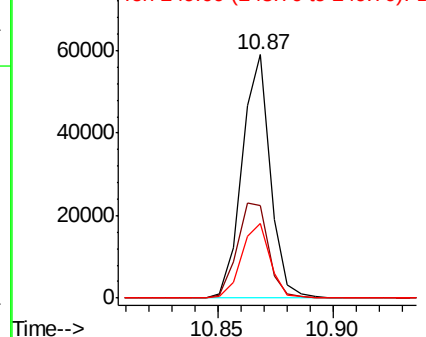
Tgt Ion:	284	Resp:	50478
Ion Ratio	Lower	Upper	
284	100		
142	38.1	39.0	58.6#
249	30.6	25.7	38.5

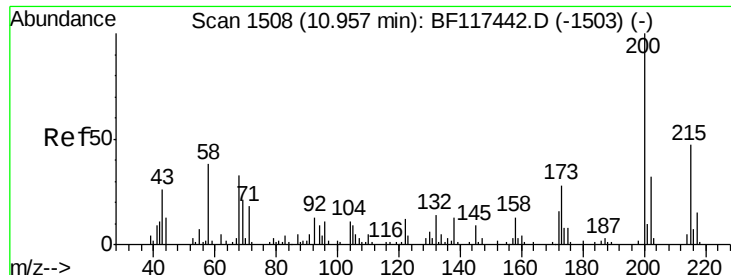
Abundance

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





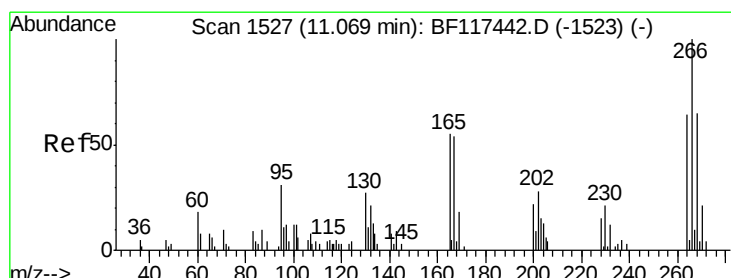
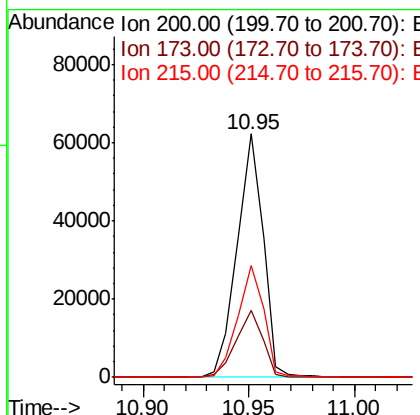
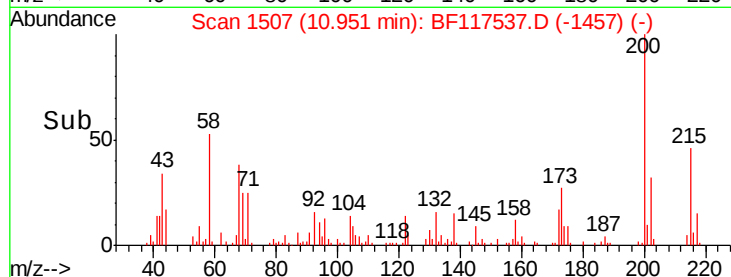
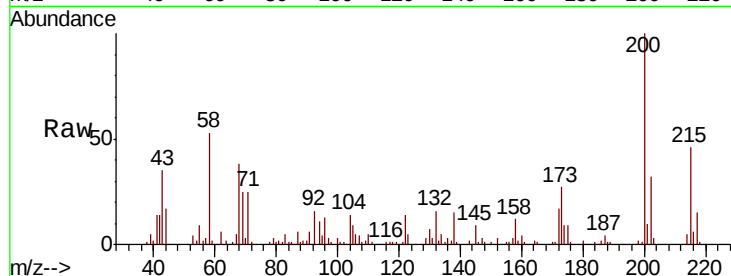
#69
Atrazine
Concen: 56.109 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.3	8.2	48.2
215	45.7	26.8	66.8

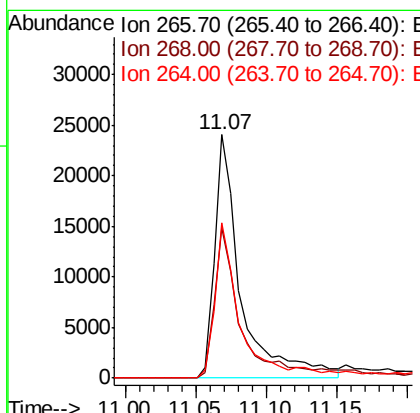
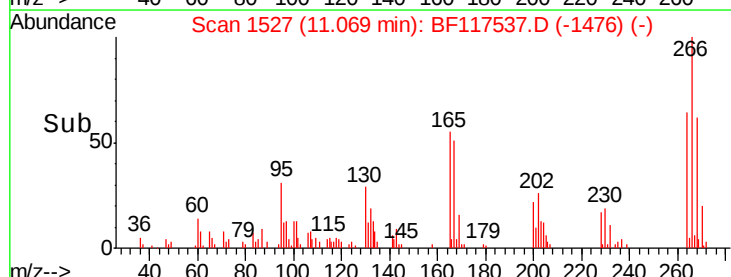
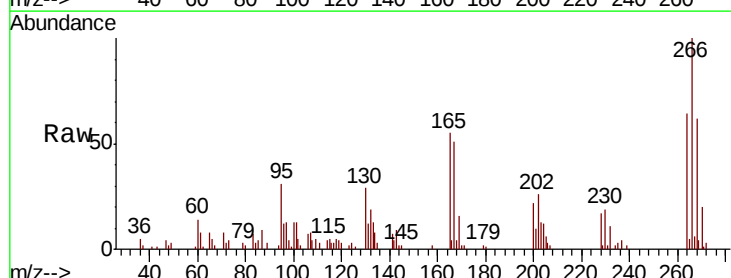
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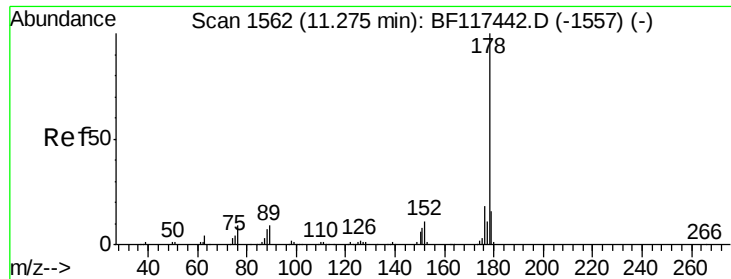
mohammad
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#70
Pentachlorophenol
Concen: 88.367 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.6	51.6	77.4
264	63.7	51.4	77.2





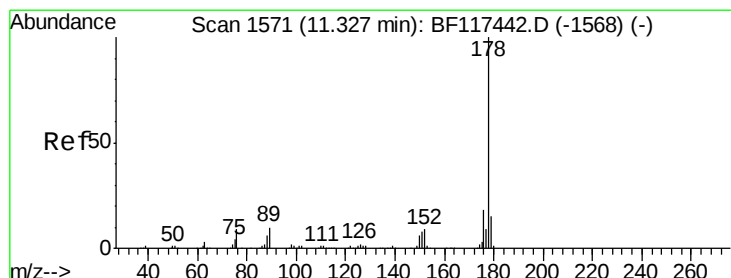
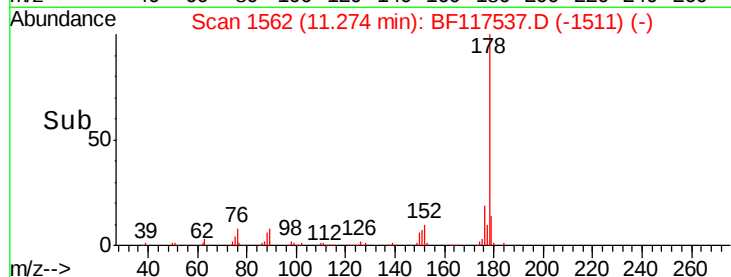
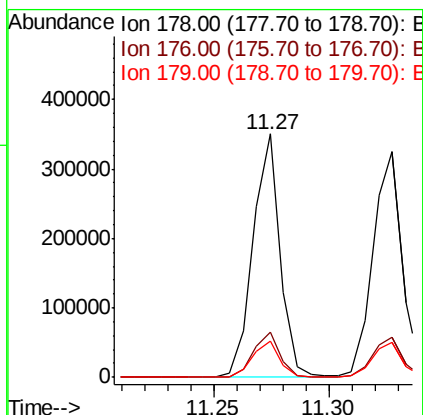
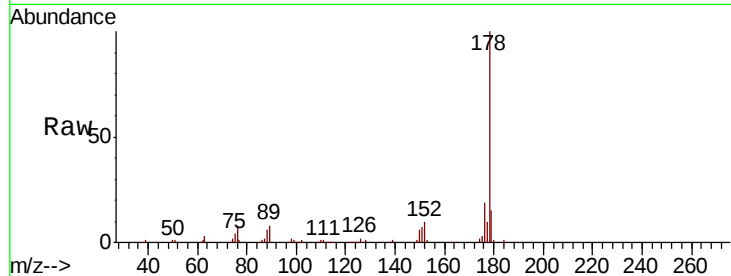
#71
Phenanthrene
Concen: 48.737 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.0	12.6	19.0

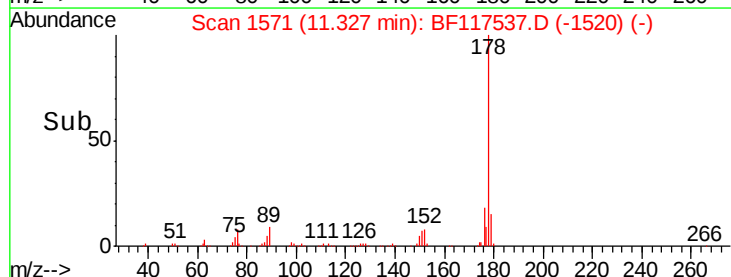
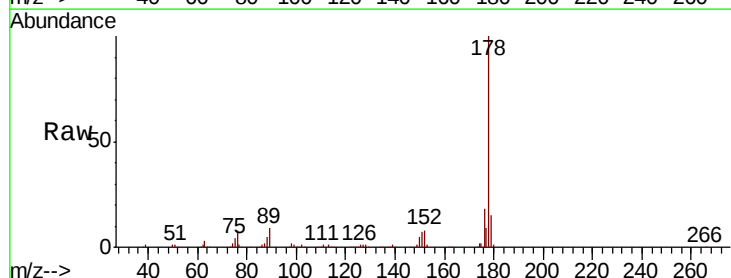
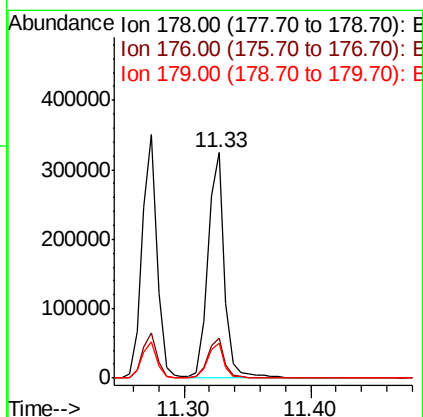
Manual Integrations
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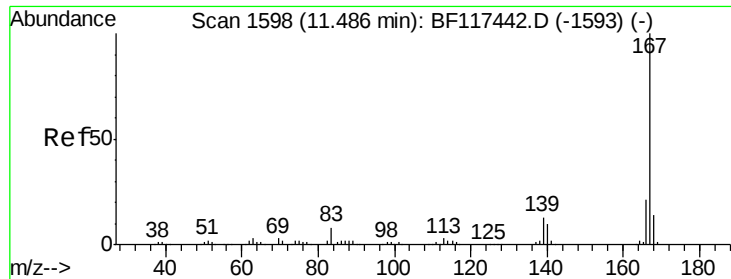
mohammad
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#72
Anthracene
Concen: 48.275 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.5	12.2	18.2





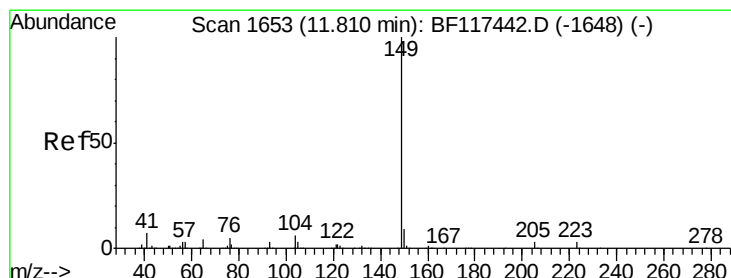
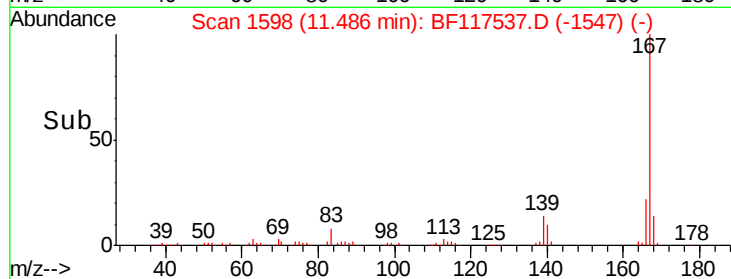
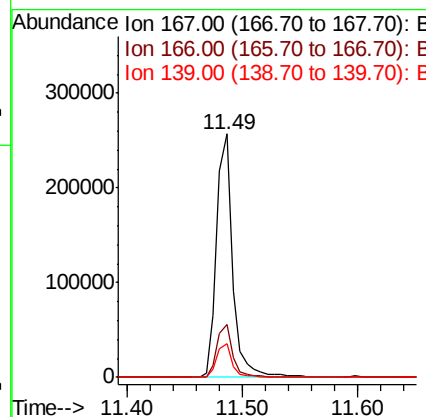
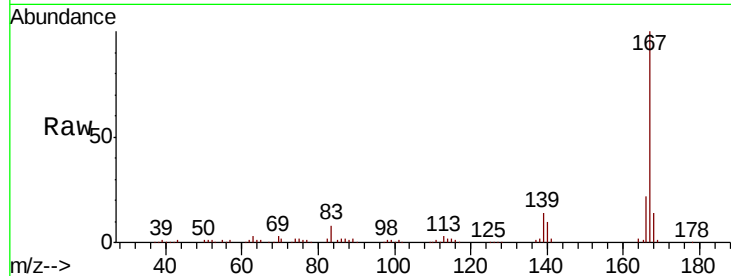
#73
 Carbazole
 Concen: 45.098 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	13.8	10.6	16.0

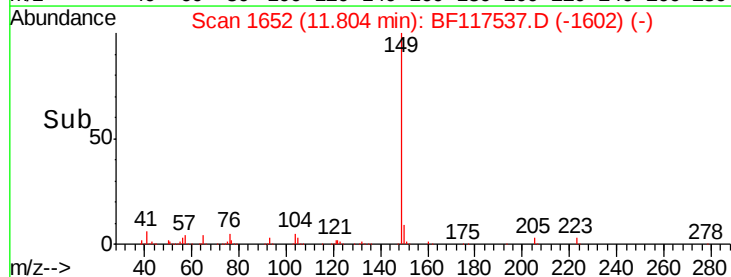
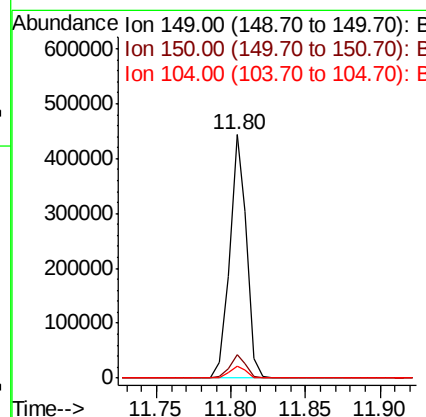
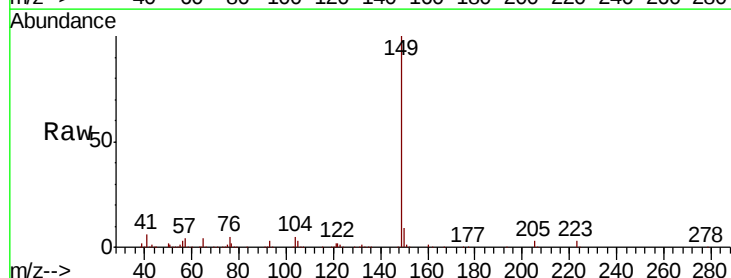
Manual Integrations
 APPROVED

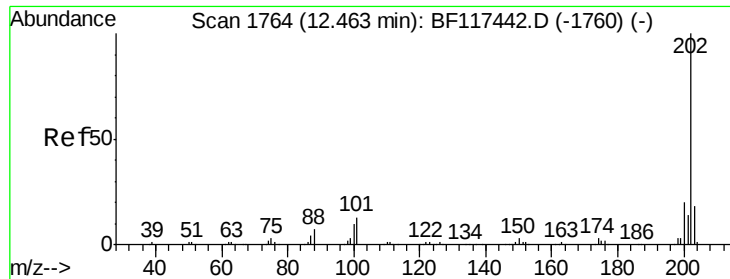
mohammad
 10/30/2019 4:50:46 PM



#74
 Di-n-butylphthalate
 Concen: 47.941 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.0	4.6	6.8





#75

Fluoranthene

Concen: 46.005 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

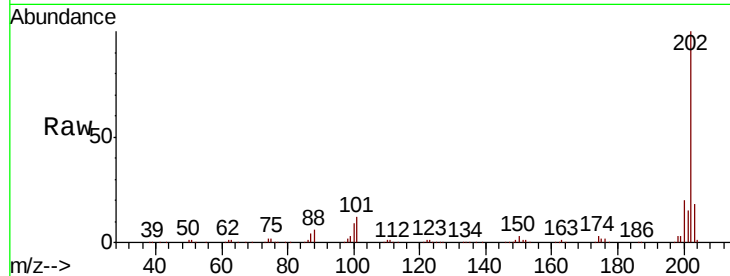
ClientSampleId :

802-00-(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	272788		
101	12.0	0.0	32.7	
203	18.3	0.0	37.6	

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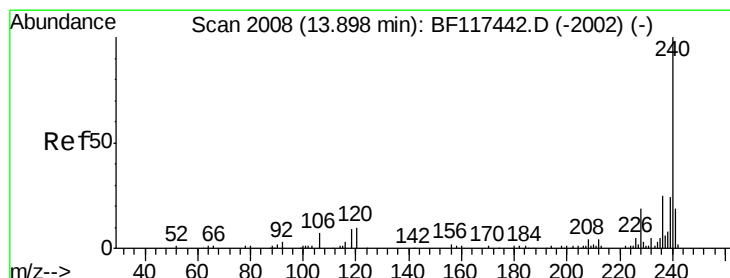
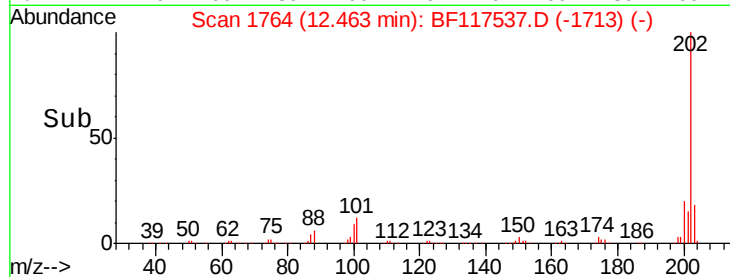
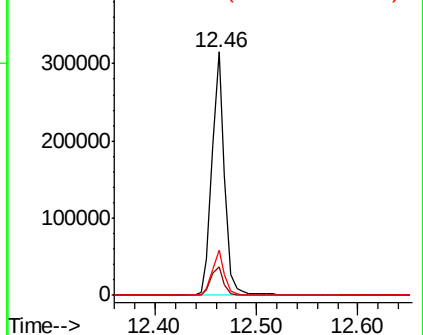


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

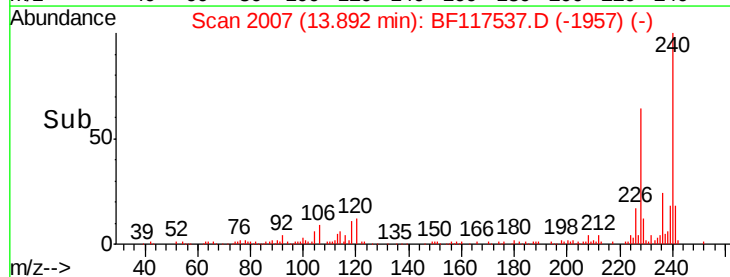
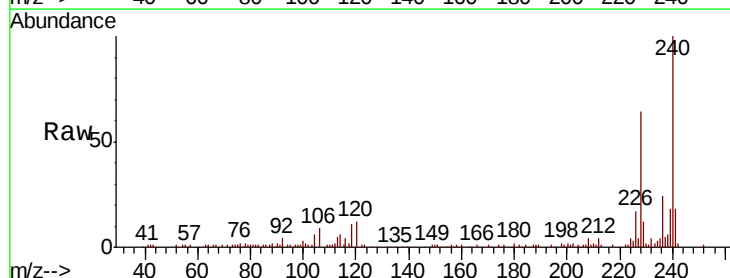
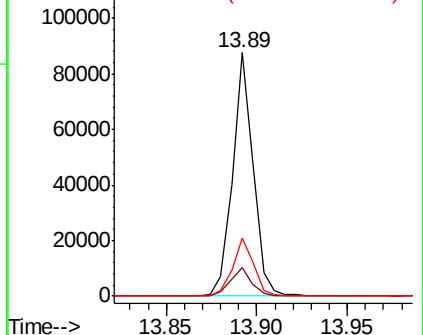
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	69823		
120	11.9	8.4	12.6	
236	24.1	20.0	30.0	

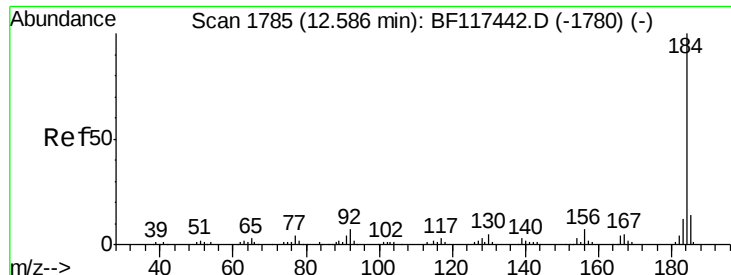
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

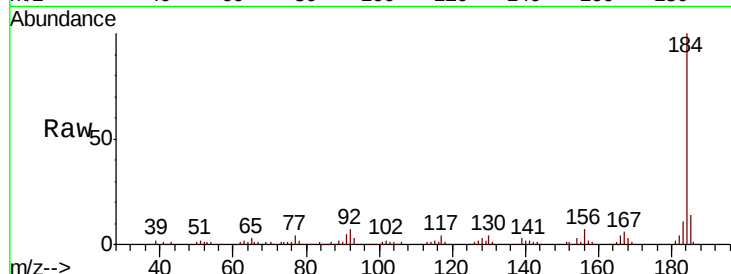
ClientSampleId :

802-00-(0-2)MSD

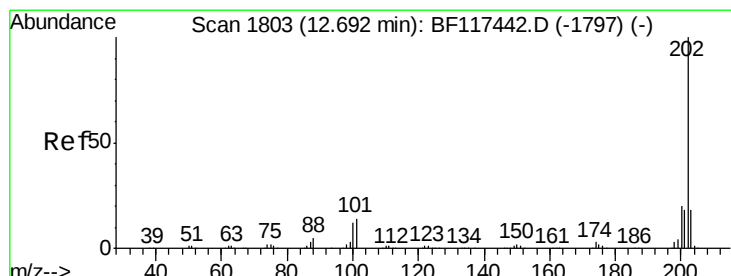
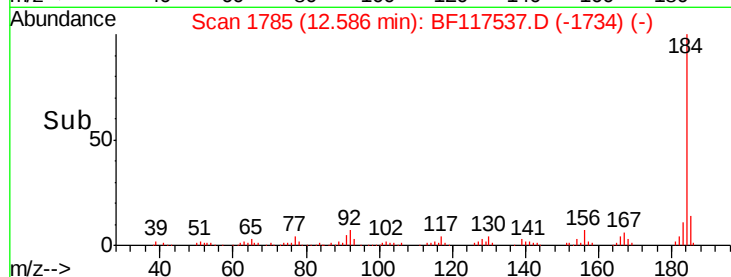
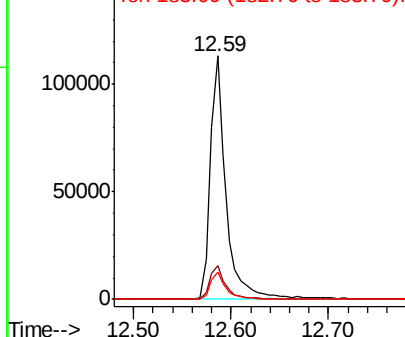
Tot Ion:	184	Resp:	126886
Ion Ratio	Lower	Upper	
184	100		
185	13.6	11.4	17.0
183	11.3	9.6	14.4

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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: 45.213 ng

RT: 12.69 min Scan# 1803

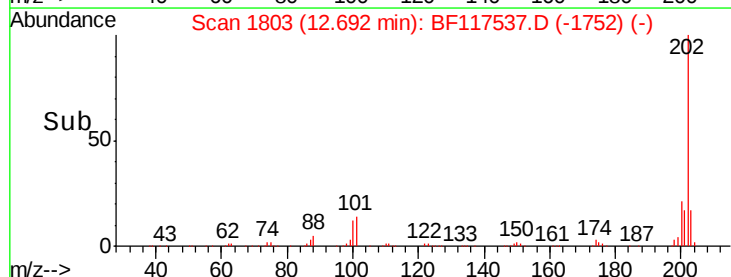
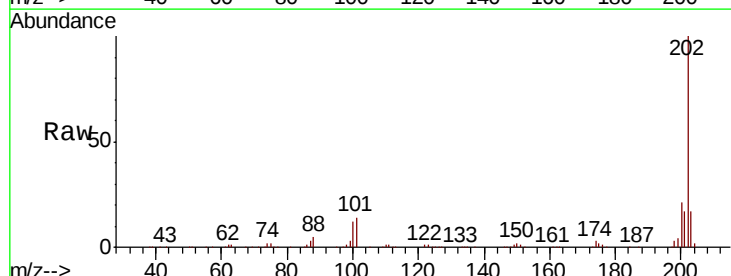
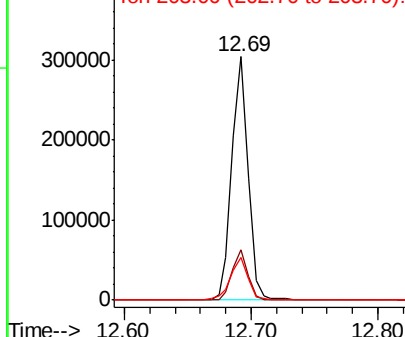
Delta R.T. -0.00 min

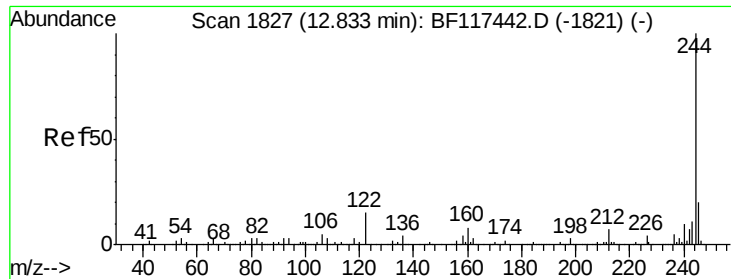
Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	202	Resp:	271163
Ion Ratio	Lower	Upper	
202	100		
200	20.8	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





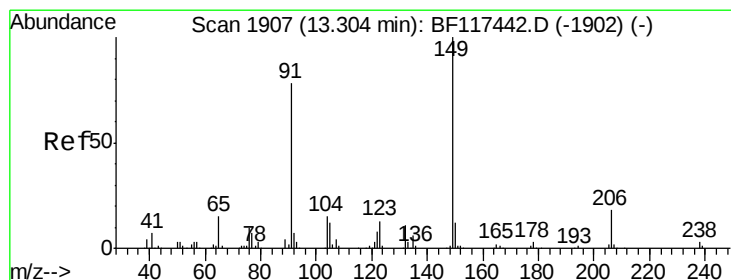
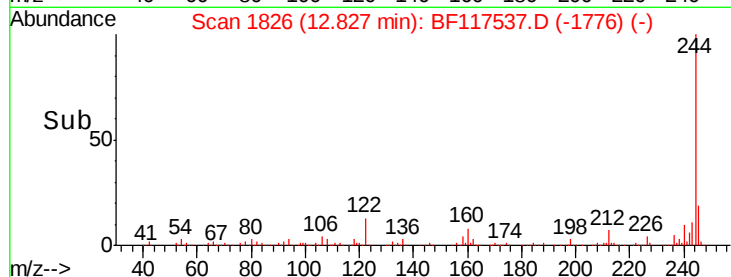
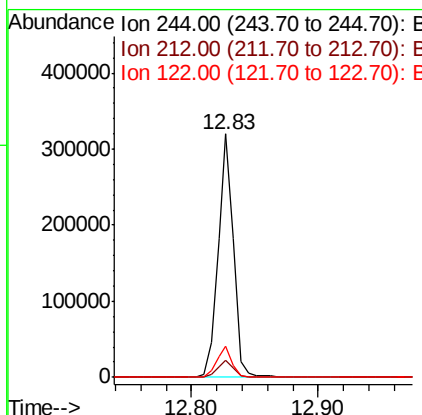
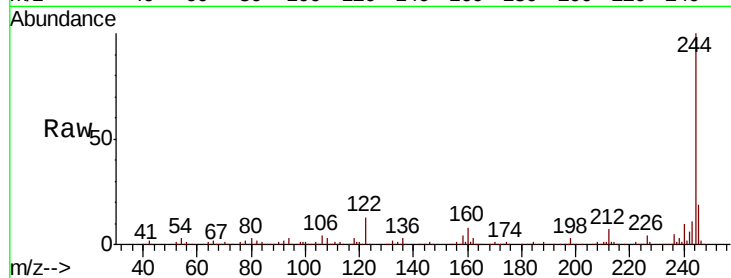
#79
 Terphenyl-d14
 Concen: 63.802 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	13.0	11.8	17.8

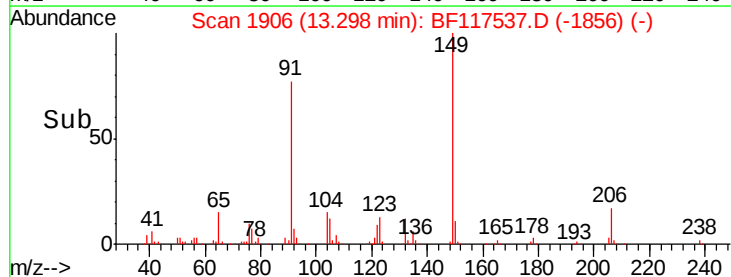
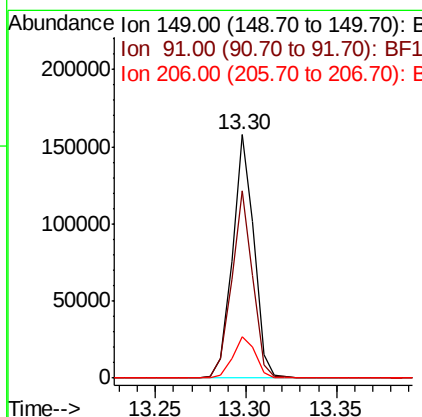
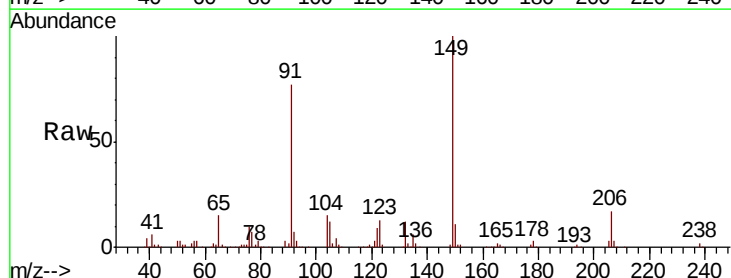
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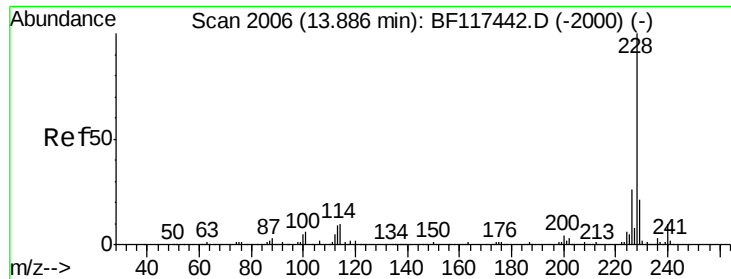
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#80
 Butylbenzylphthalate
 Concen: 43.534 ng
 RT: 13.30 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.8	62.1	93.1
206	16.9	14.3	21.5





#81

Benzo(a)anthracene

Concen: 46.079 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

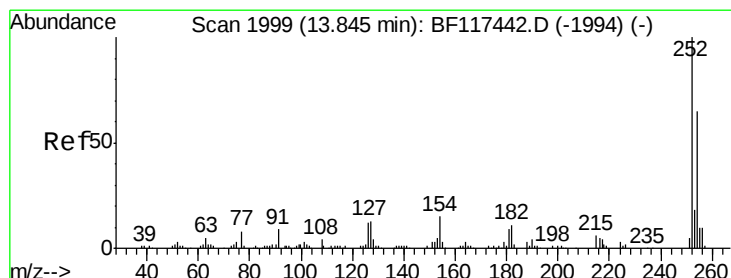
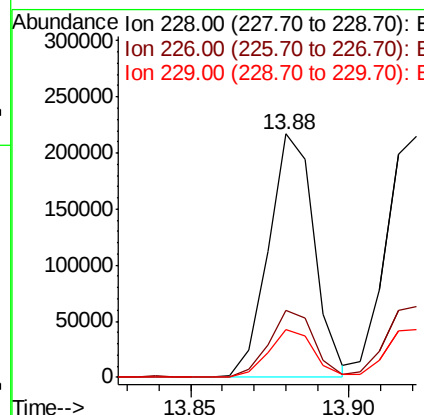
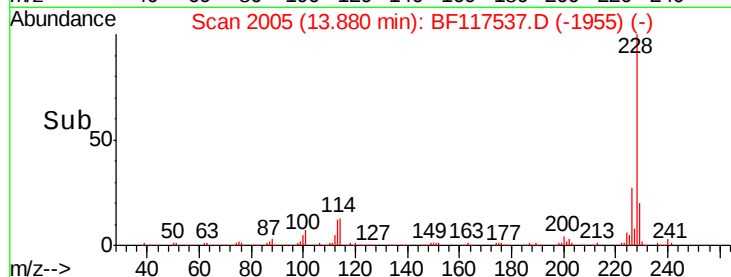
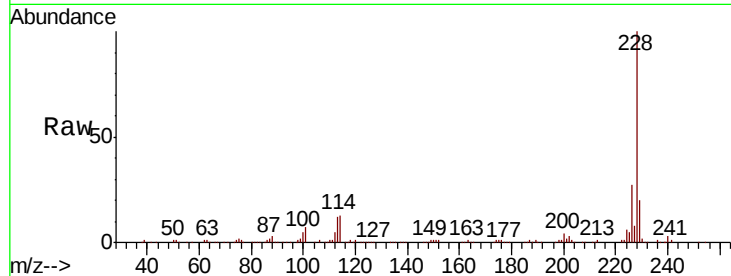
ClientSampleId :

802-00-(0-2)MSD

Tot Ion:	228	Resp:	217023
Ion Ratio		Lower	Upper
228	100		
226	27.5	21.0	31.4
229	19.5	16.4	24.6

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 38.278 ng

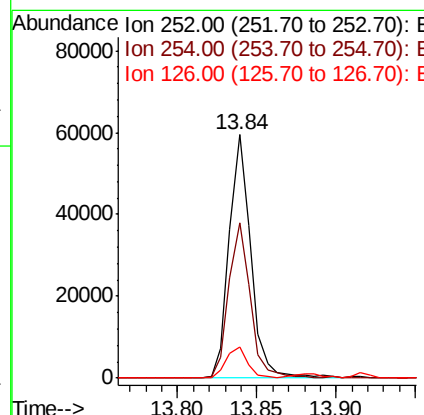
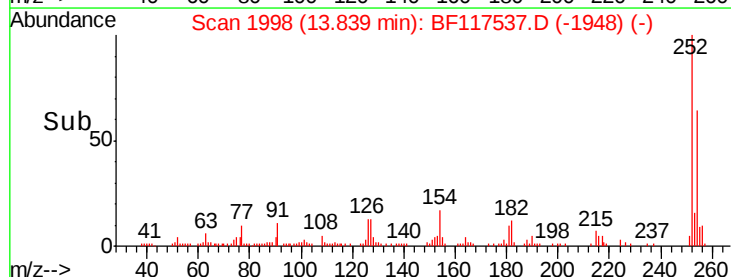
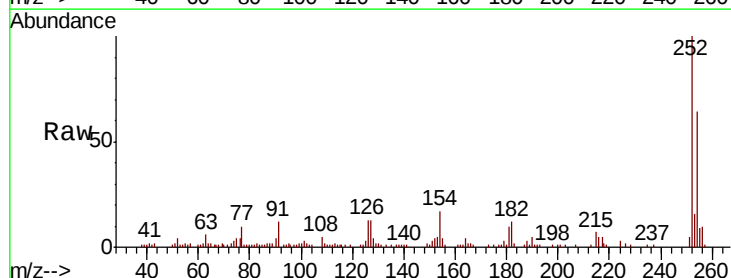
RT: 13.84 min Scan# 1998

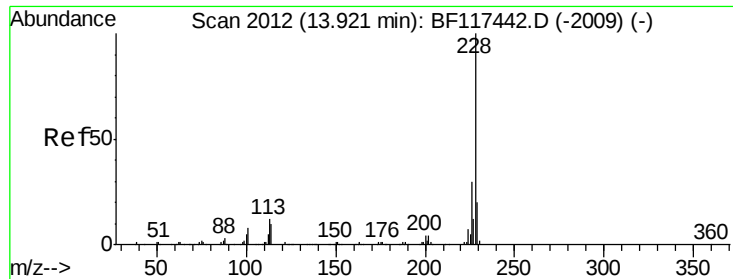
Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	252	Resp:	56571
Ion Ratio		Lower	Upper
252	100		
254	63.8	52.2	78.4
126	13.0	9.2	13.8





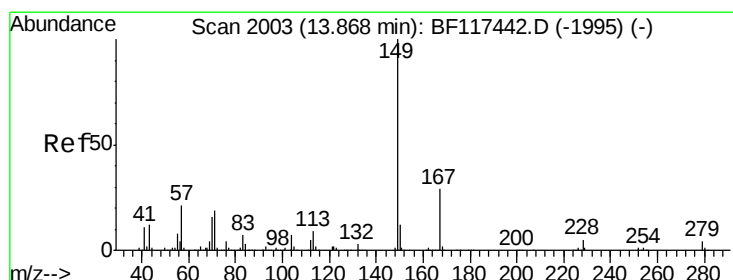
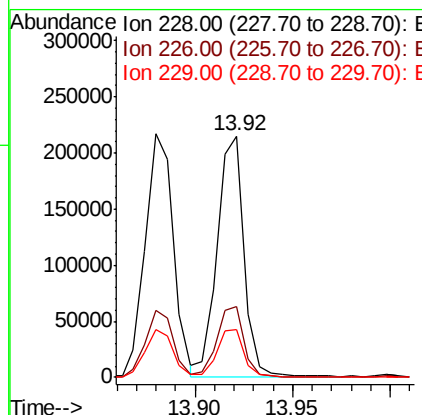
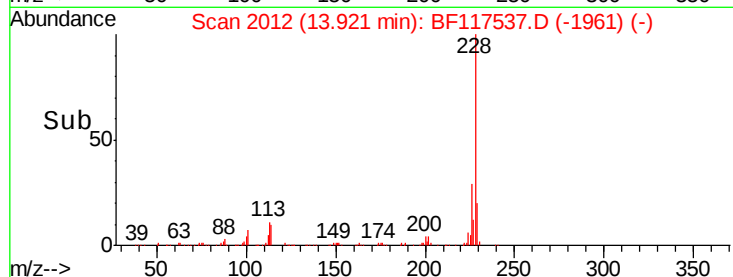
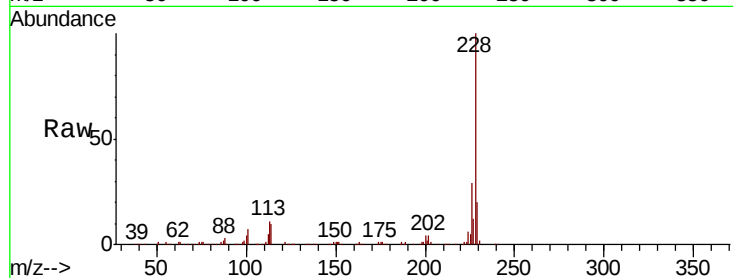
#83
Chrysene
Concen: 44.255 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	19.9	15.8	23.6

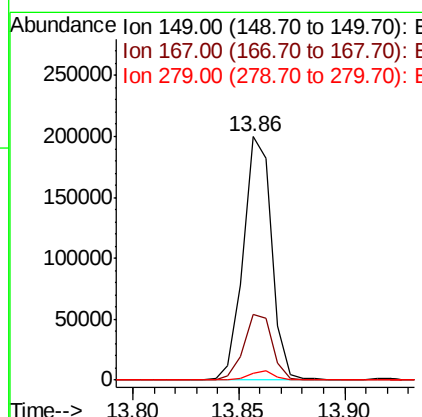
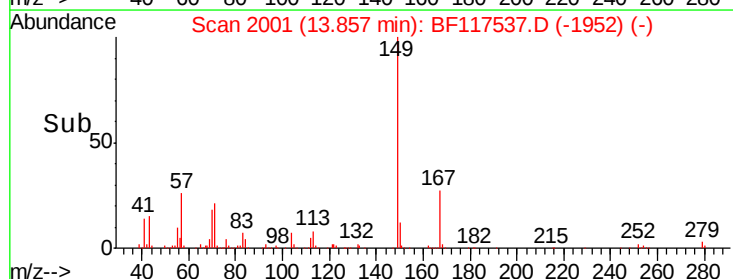
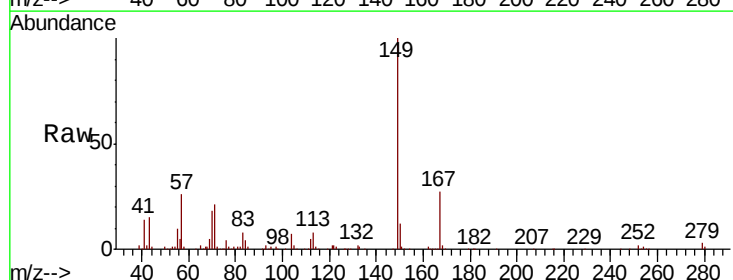
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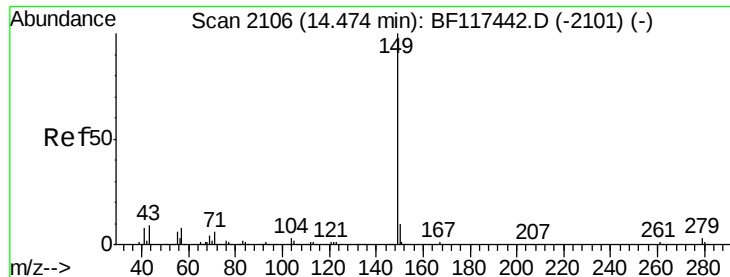
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#84
Bis(2-ethylhexyl)phthalate
Concen: 44.329 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	23.3	34.9
279	2.8	3.2	4.8#





#85

Di-n-octyl phthalate

Concen: 50.042 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

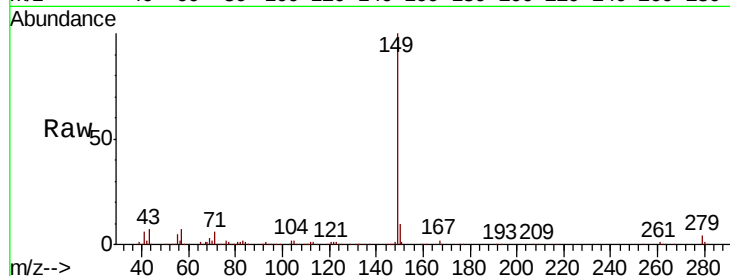
ClientSampleId :

802-00-(0-2)MSD

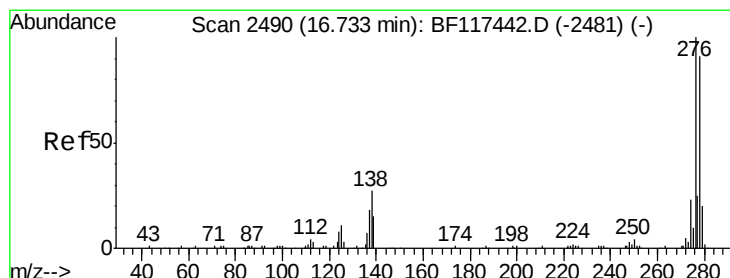
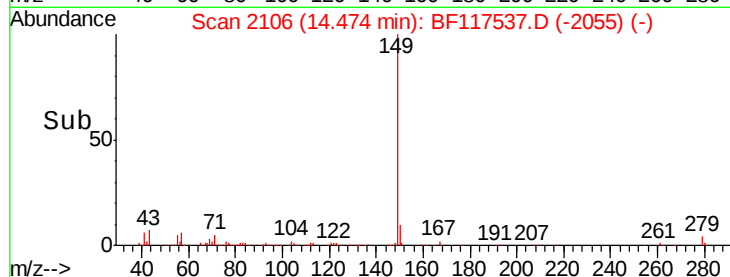
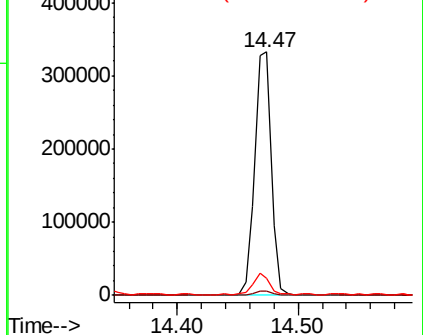
Tot Ion:	149	Resp:	321659
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	8.2	6.8	10.2

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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: 60.841 ng

RT: 16.74 min Scan# 2492

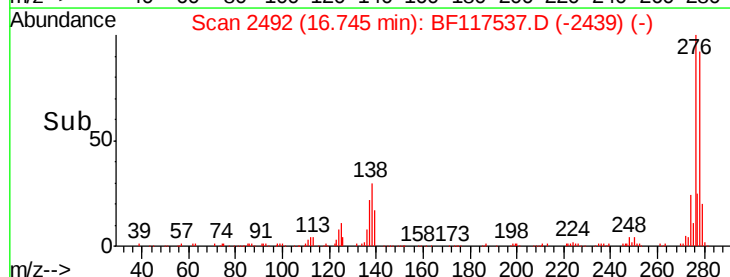
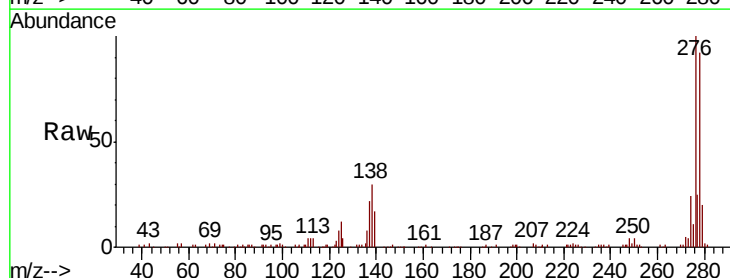
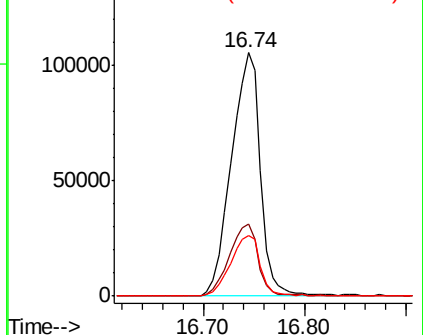
Delta R.T. 0.01 min

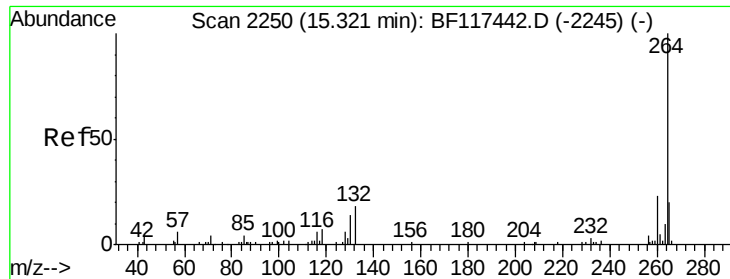
Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:	276	Resp:	209675
Ion Ratio	Lower	Upper	
276	100		
138	29.8	21.8	32.8
277	25.6	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





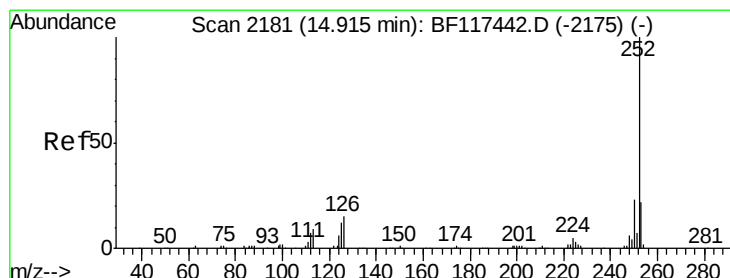
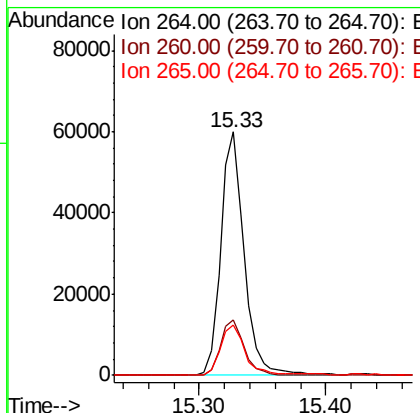
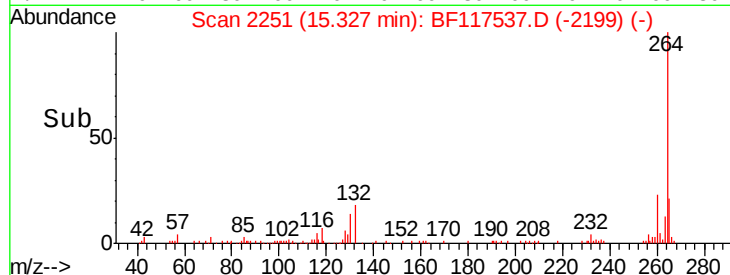
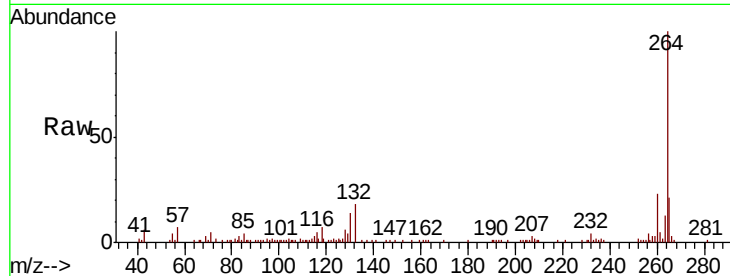
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.4	27.6
265	20.6	16.1	24.1

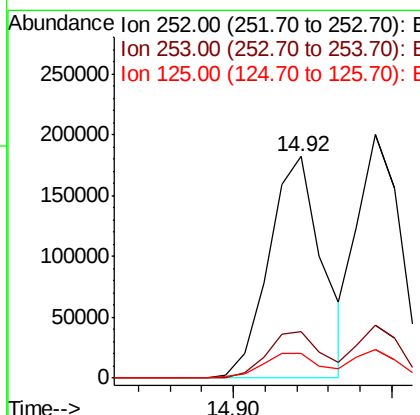
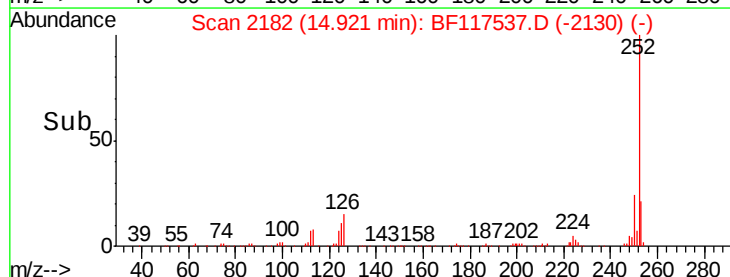
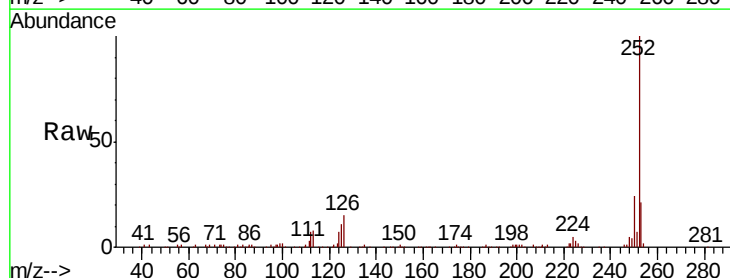
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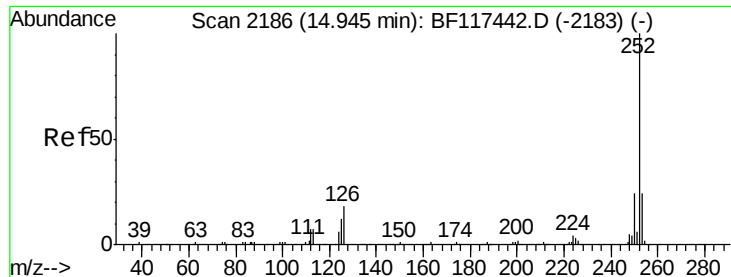
mohammad
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#88
Benzo(b)fluoranthene
Concen: 47.145 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	11.4	9.9	14.9





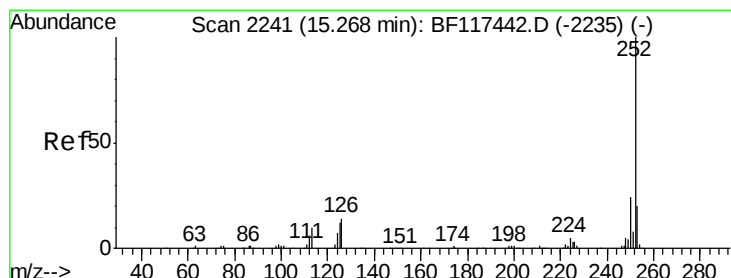
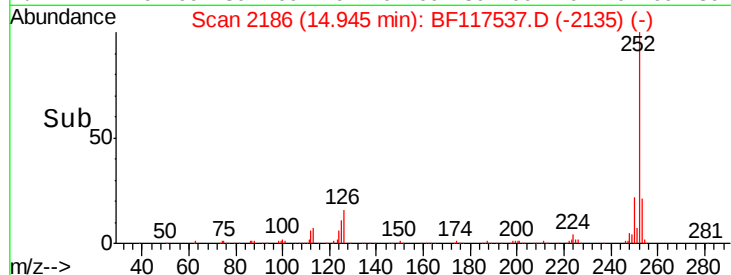
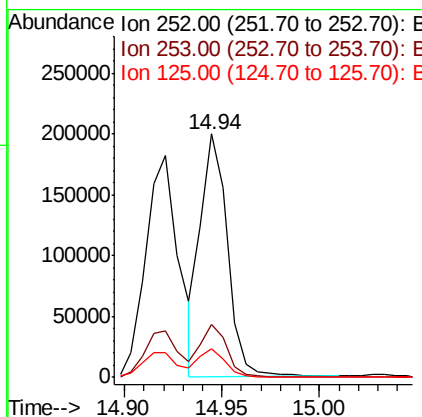
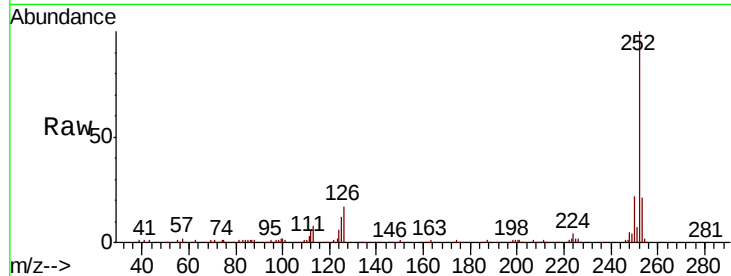
#89
Benzo(k)fluoranthene
Concen: 41.266 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	11.7	8.9	13.3

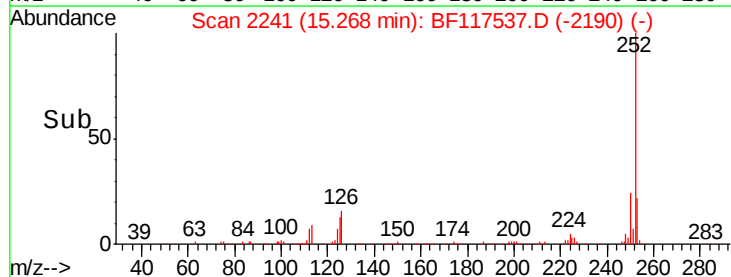
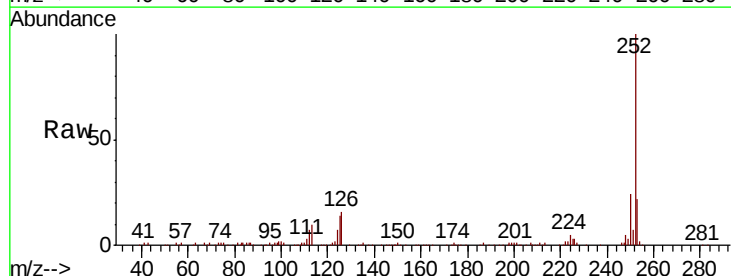
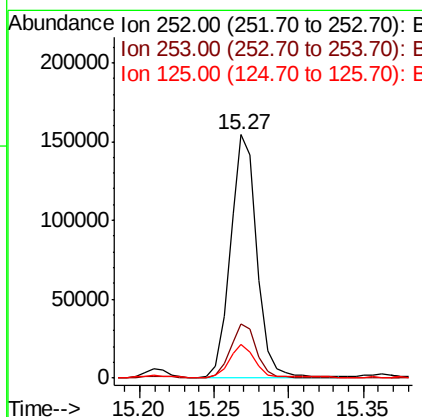
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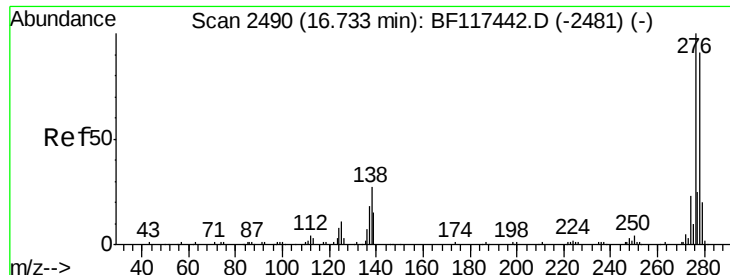
mohammad
10/30/2019 4:50:46 PM



#90
Benzo(a)pyrene
Concen: 46.751 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.3	24.5
125	13.6	9.2	13.8





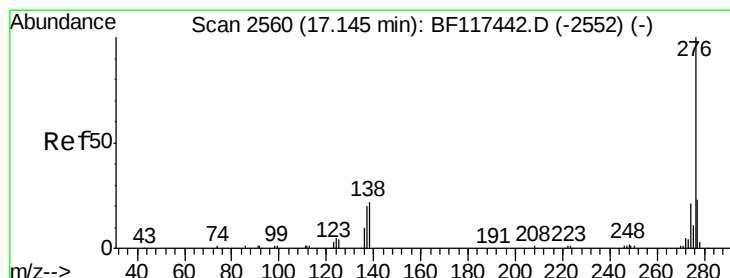
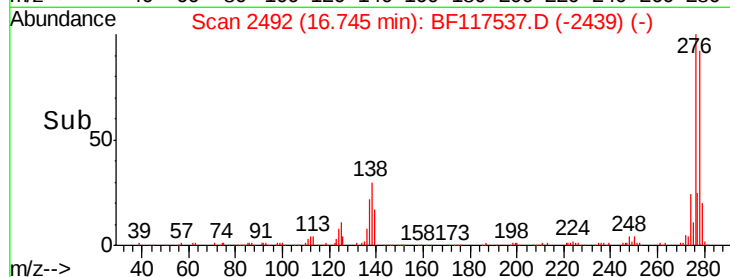
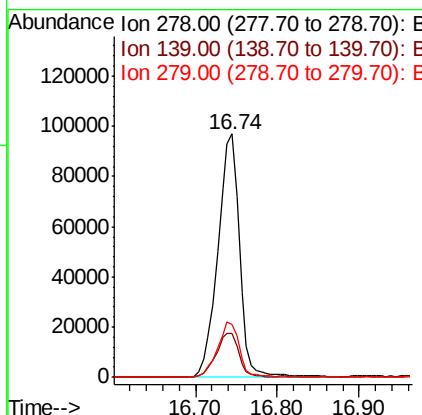
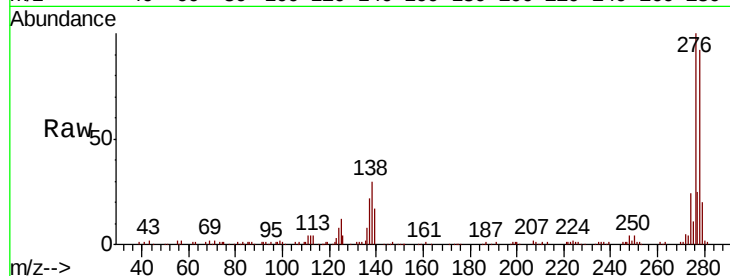
#91
Dibenzo(a,h)anthracene
Concen: 50.575 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.4	20.0
279	21.9	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/30/2019 4:50:46 PM



#92
Benzo(g,h,i)perylene
Concen: 50.298 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.02 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.4	27.6
138	24.0	17.8	26.6

