

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117061.D
 Acq On : 16 Sep 2019 14:24
 Operator : HP/JU
 Sample : K4871-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Manual Integrations
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Quant Time: Sep 17 11:16:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	58303	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	229734	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	115584	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	179519	20.00	ng	0.00
76) Chrysene-d12	13.97	240	111188	20.00	ng	0.00
87) Perylene-d12	15.42	264	131445	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	222945	59.70	ng	0.00
7) Phenol-d6	6.46	99	195886	40.59	ng	0.00
23) Nitrobenzene-d5	7.39	82	398854	91.22	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	136891	141.71	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	673078	91.05	ng	0.00
79) Terphenyl-d14	12.92	244	563503	94.73	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	19523	12.494	ng	98
3) Pyridine	3.37	79	13890m	3.248	ng	
4) n-Nitrosodimethylamine	3.23	42	19180	13.067	ng	82
6) Aniline	6.51	93	25474	4.100	ng	93
8) 2-Chlorophenol	6.62	128	151604	37.631	ng	95
9) Benzaldehyde	6.37	77	88409	35.631	ng	98
10) Phenol	6.47	94	97290	18.286	ng	87
11) bis(2-Chloroethyl)ether	6.56	93	172924	44.222	ng	97
12) 1,3-Dichlorobenzene	6.76	146	158070	34.966	ng	96
13) 1,4-Dichlorobenzene	6.84	146	165651	35.906	ng	99
14) 1,2-Dichlorobenzene	6.99	146	157313	36.624	ng	96
15) Benzyl Alcohol	6.96	79	89170	24.094	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.10	45	156661	40.551	ng	92
17) 2-Methylphenol	7.09	107	107354	31.795	ng	94
18) Hexachloroethane	7.33	117	60321	33.987	ng	96
19) n-Nitroso-di-n-propylamine	7.23	70	129516	44.071	ng	94
20) 3+4-Methylphenols	7.23	107	118885	28.268	ng	# 70
22) Acetophenone	7.23	105	265010	45.403	ng	# 95
24) Nitrobenzene	7.40	77	198436	45.957	ng	97
25) Isophorone	7.64	82	354098	45.740	ng	98
26) 2-Nitrophenol	7.72	139	93178	50.240	ng	99
27) 2,4-Dimethylphenol	7.76	122	140759	47.859	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	210679	44.170	ng	99
29) 2,4-Dichlorophenol	7.96	162	142751	46.321	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	132186	39.702	ng	99
31) Naphthalene	8.13	128	483216	43.735	ng	100
32) Benzoic acid	7.85	122	33351	19.548	ng	97
33) 4-Chloroaniline	8.19	127	75612	15.429	ng	99
34) Hexachlorobutadiene	8.25	225	69495	36.790	ng	98
35) Caprolactam	8.55	113	6335	6.073	ng	99
36) 4-Chloro-3-methylphenol	8.65	107	153489	42.714	ng	98
37) 2-Methylnaphthalene	8.82	142	334431	44.949	ng	100
38) 1-Methylnaphthalene	8.91	142	312267	44.812	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	134508	45.066	ng	97

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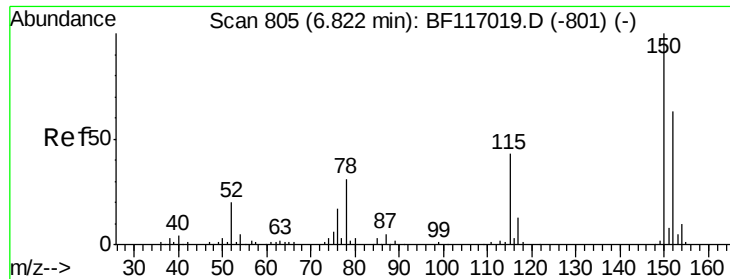
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	114378	86.039	nq	97
43) 2,4,6-Trichlorophenol	9.09	196	96004	47.398	nq	97
44) 2,4,5-Trichlorophenol	9.14	196	105869	48.921	nq	95
46) 1,1'-Biphenyl	9.27	154	401217	44.253	nq	100
47) 2-Chloronaphthalene	9.30	162	315060	44.031	nq	98
48) 2-Nitroaniline	9.40	65	103661	45.167	nq	97
49) Acenaphthylene	9.72	152	499790	46.626	nq	100
50) Dimethylphthalate	9.57	163	429829	52.521	nq	99
51) 2,6-Dinitrotoluene	9.64	165	83996	50.394	nq	100
52) Acenaphthene	9.89	154	283766	44.659	nq	96
53) 3-Nitroaniline	9.80	138	39904	18.975	nq	99
54) 2,4-Dinitrophenol	9.92	184	65876	90.210	nq	97
55) Dibenzofuran	10.06	168	448100	47.797	nq	96
56) 4-Nitrophenol	9.99	139	41991	30.808	nq	94
57) 2,4-Dinitrotoluene	10.05	165	114362	52.857	nq	93
58) Fluorene	10.40	166	358393	47.457	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.18	232	80955	48.885	nq	# 99
60) Diethylphthalate	10.27	149	374569	46.521	nq	98
61) 4-Chlorophenyl-phenylether	10.39	204	153648	47.024	nq	97
62) 4-Nitroaniline	10.42	138	57251	26.178	nq	93
63) Azobenzene	10.55	77	382775	46.548	nq	97
65) 4,6-Dinitro-2-methylphenol	10.45	198	46295	55.361	nq	81
66) n-Nitrosodiphenylamine	10.51	169	306724	49.473	nq	98
67) 4-Bromophenyl-phenylether	10.88	248	87731	47.854	nq	96
68) Hexachlorobenzene	10.95	284	92646	46.203	nq	94
69) Atrazine	11.05	200	68131	43.869	nq	100
70) Pentachlorophenol	11.15	266	107338	114.197	nq	99
71) Phenanthrene	11.36	178	486920	47.753	nq	98
72) Anthracene	11.41	178	508307	48.829	nq	98
73) Carbazole	11.57	167	442415	44.774	nq	99
74) Di-n-butylphthalate	11.89	149	560342	47.663	nq	99
75) Fluoranthene	12.55	202	448985	42.854	nq	97
77) Benzidine	12.64	184	927	0.259	nq	# 1
78) Pyrene	12.78	202	444088	47.600	nq	98
80) Butylbenzylphthalate	13.39	149	195453	44.337	nq	97
81) Benzo(a)anthracene	13.97	228	340883	45.888	nq	99
82) 3,3'-Dichlorobenzidine	13.93	252	217	0.091	nq	# 10
83) Chrysene	14.00	228	327893	45.256	nq	100
84) Bis(2-ethylhexyl)phthalate	13.94	149	268144	47.176	nq	97
85) Di-n-octyl phthalate	14.56	149	430430	48.114	nq	100
86) Indeno(1,2,3-cd)pyrene	16.87	276	396170	74.949	nq	97
88) Benzo(b)fluoranthene	15.01	252	344645	43.286	nq	98
89) Benzo(k)fluoranthene	15.03	252	311736	41.332	nq	99
90) Benzo(a)pyrene	15.37	252	324581	46.456	nq	98
91) Dibenzo(a,h)anthracene	16.88	278	334563	60.109	nq	99
92) Benzo(g,h,i)perylene	17.30	276	334652	60.336	nq	98

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



#1

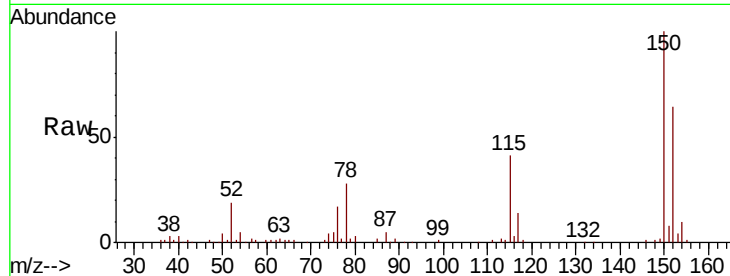
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

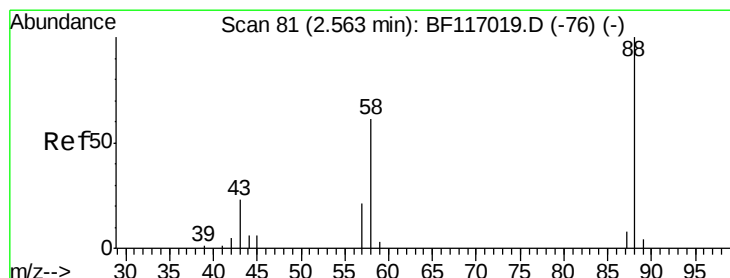
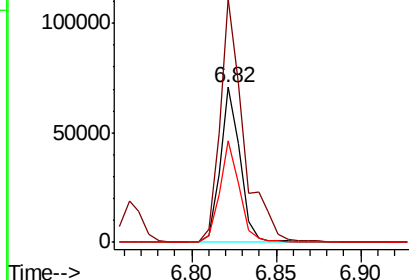
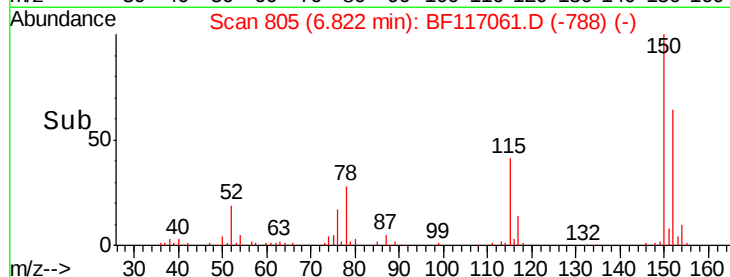
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.5	191.3
115	65.2	55.0	82.4

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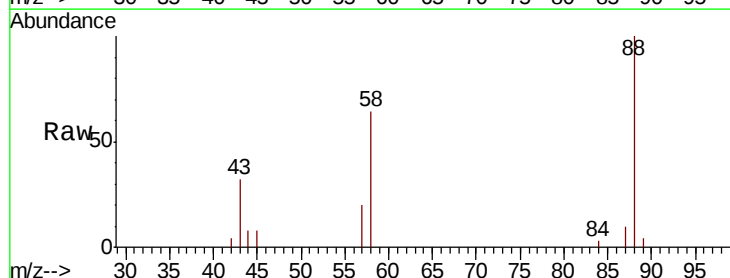
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



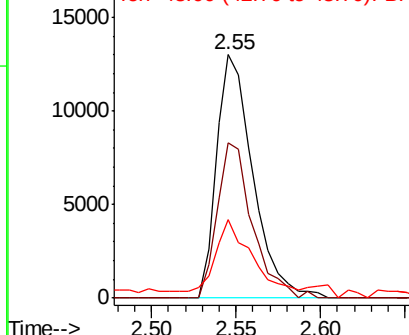
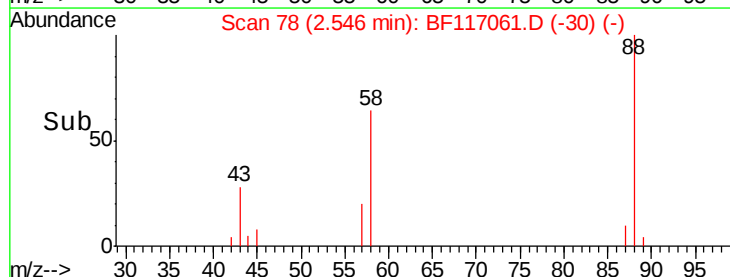
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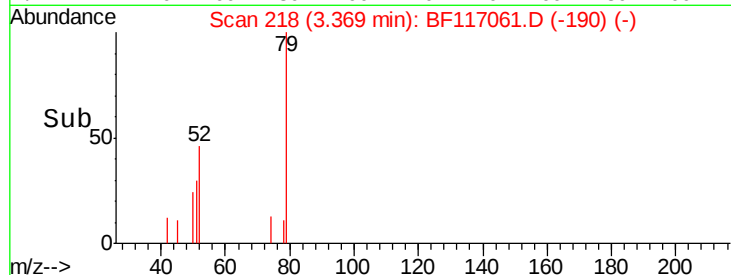
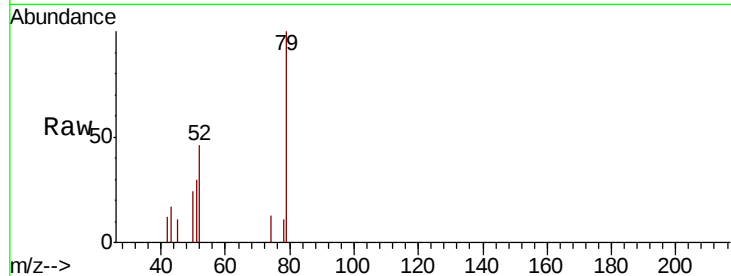
1,4-Dioxane
Concen: 12.494 ng
RT: 2.55 min Scan# 78
Delta R.T. -0.02 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.7	49.3	73.9
43	27.1	18.8	28.2



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





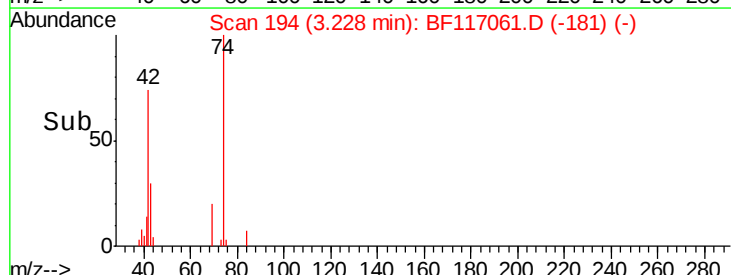
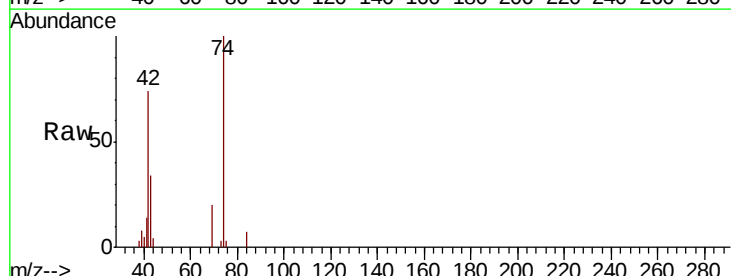
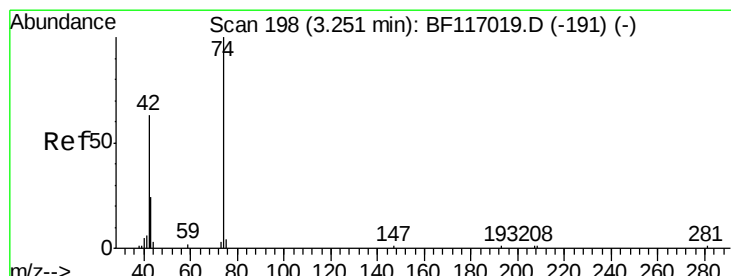
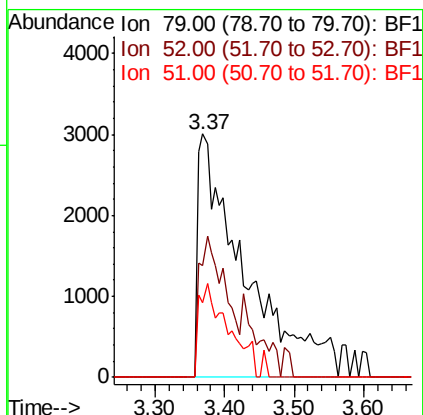
#3
Pvridine
Concen: 3.248 ng m
RT: 3.37 min Scan# 218
Delta R.T. 0.06 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tot Ion:	79	Resp:	13890
Ion Ratio	Lower	Upper	
79	100		
52	45.8	43.5	65.3
51	30.4	21.8	32.6

Instrument :
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ClientSampleId :
VE-4-11MS

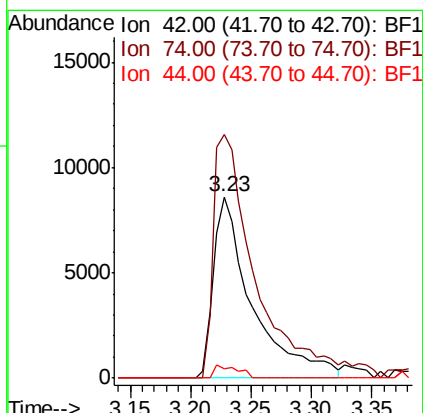
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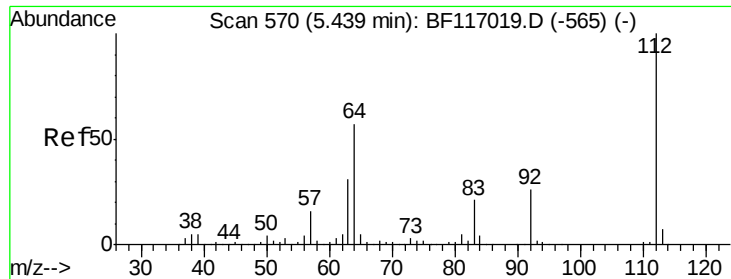
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#4
n-Nitrosodimethylamine
Concen: 13.067 ng
RT: 3.23 min Scan# 194
Delta R.T. -0.02 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion:	42	Resp:	19180
Ion Ratio	Lower	Upper	
42	100		
74	134.4	127.1	190.7
44	5.3	4.3	6.5





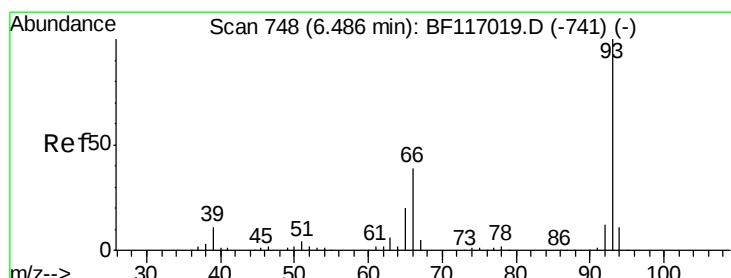
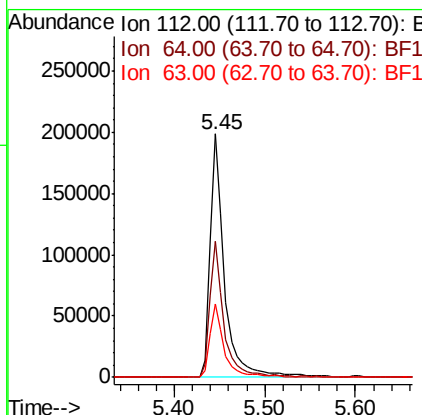
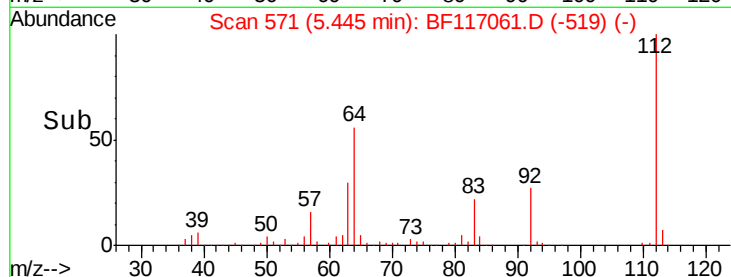
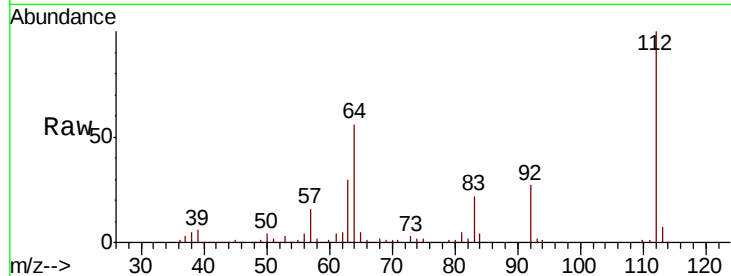
#5
2-Fluorophenol
Concen: 59.701 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	222945		
64	55.7	45.7	68.5	
63	30.1	24.9	37.3	

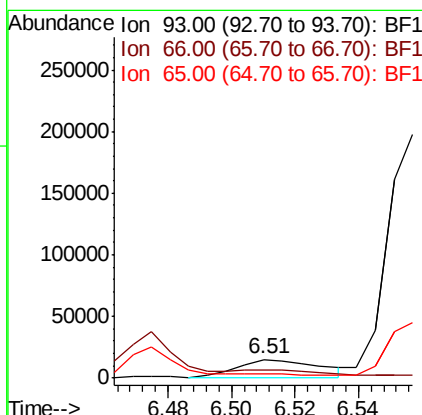
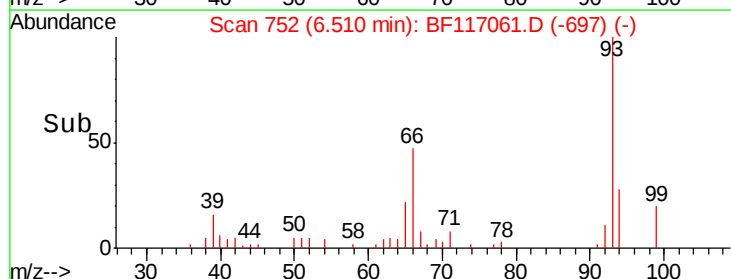
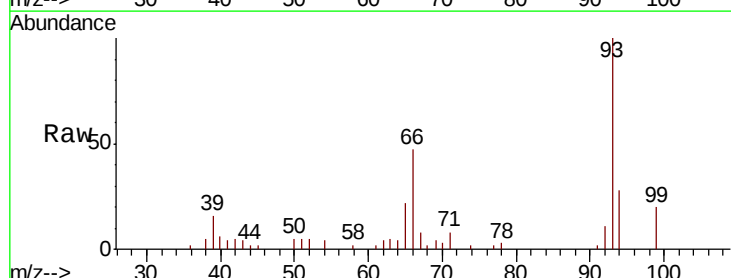
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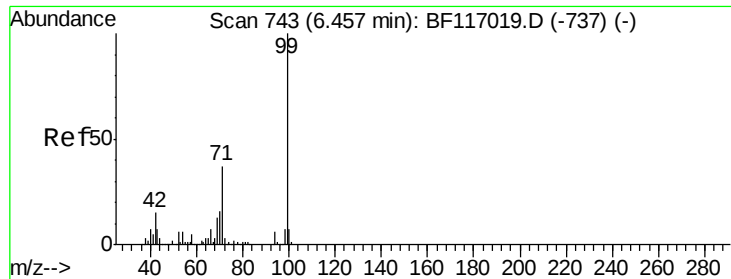
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#6
Aniline
Concen: 4.100 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.02 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	25474		
66	46.8	32.6	49.0	
65	21.6	16.7	25.1	





#7

Phenol-d6

Concen: 40.588 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

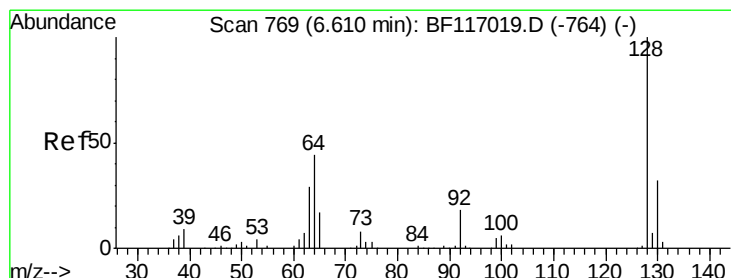
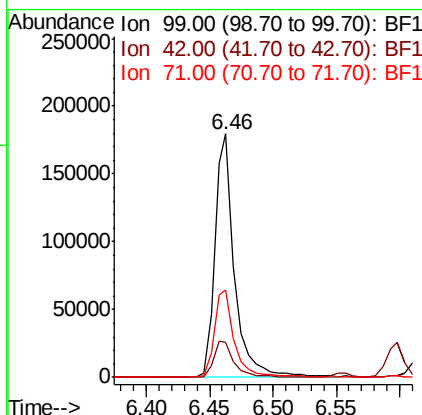
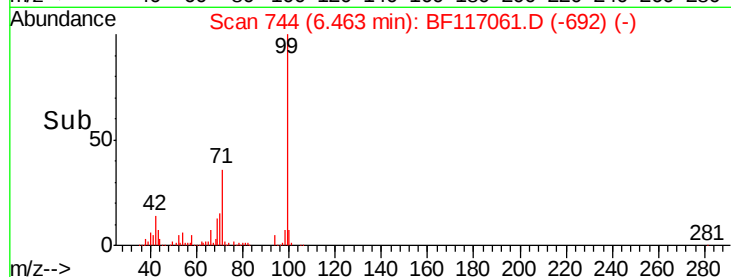
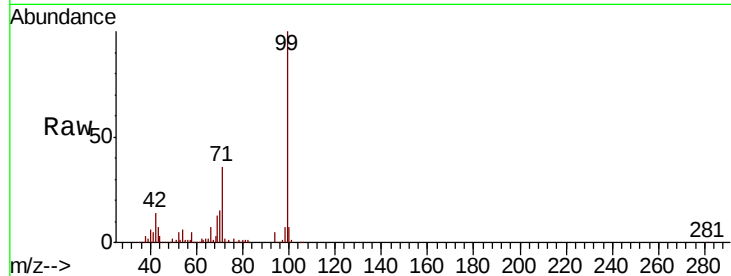
ClientSampleId :

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Tot Ion:	99	Resp:	195886
Ion Ratio	Lower	Upper	
99	100		
42	14.3	12.2	18.2
71	35.9	29.8	44.8

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#8

2-Chlorophenol

Concen: 37.631 ng

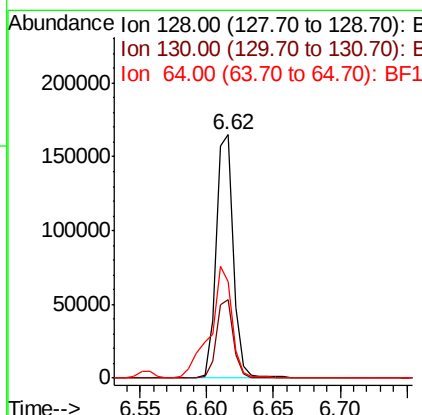
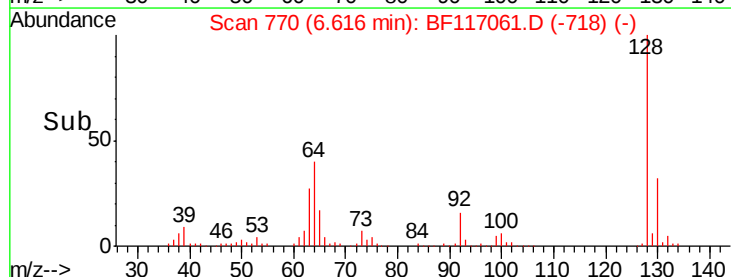
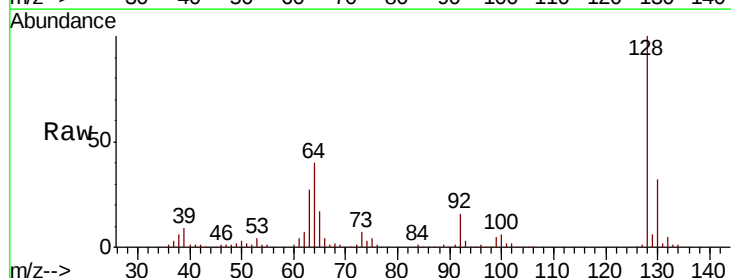
RT: 6.62 min Scan# 770

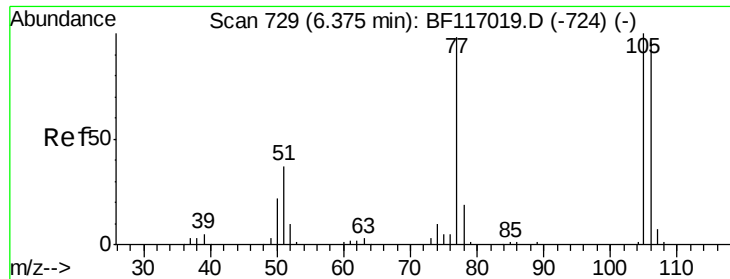
Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:	128	Resp:	151604
Ion Ratio	Lower	Upper	
128	100		
130	32.4	11.8	51.8
64	39.7	25.0	65.0





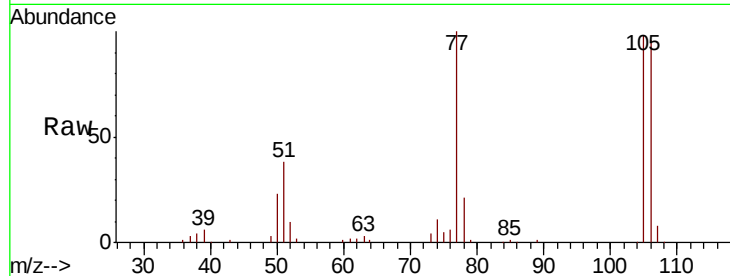
#9
Benzaldehyde
Concen: 35.631 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

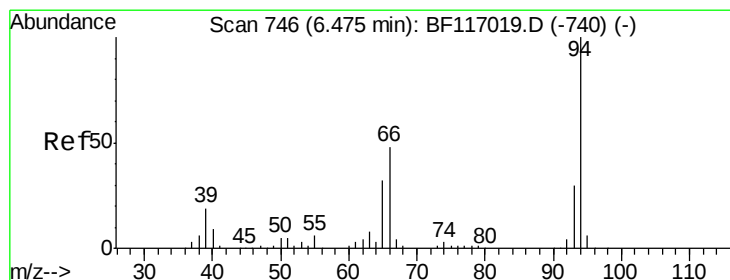
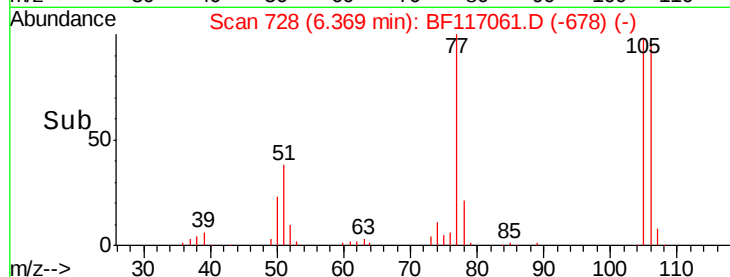
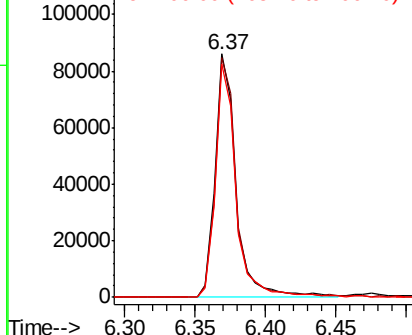
Tot Ion	Ratio	Lower	Upper
77	100		
105	98.4	81.8	121.8
106	95.8	77.3	117.3

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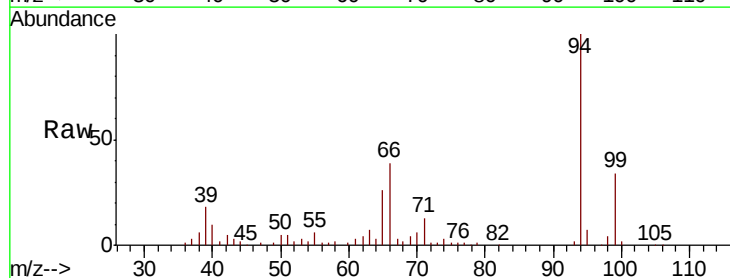


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

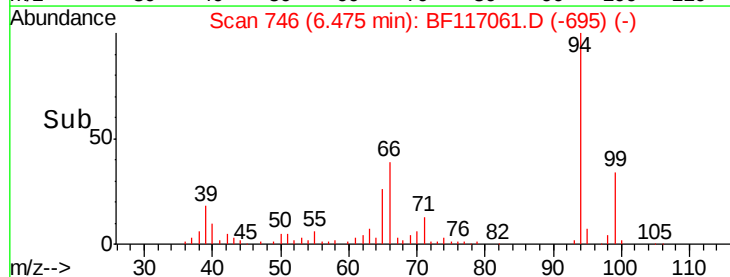
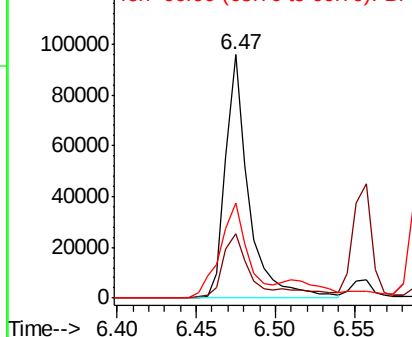


#10
Phenol
Concen: 18.286 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
94	100		
65	26.3	12.5	52.5
66	38.9	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





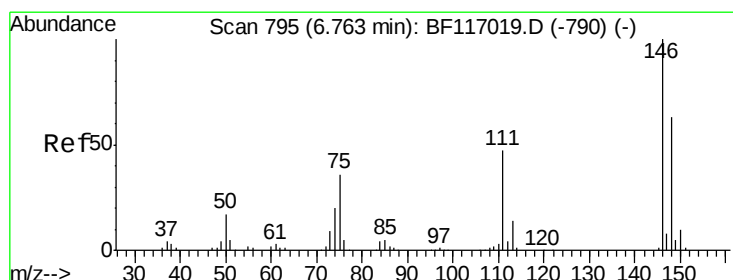
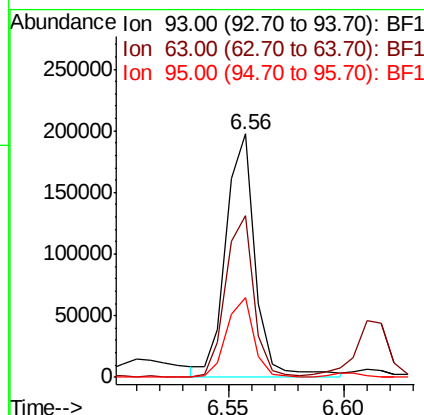
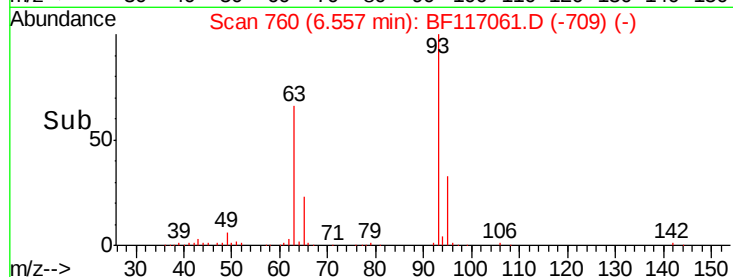
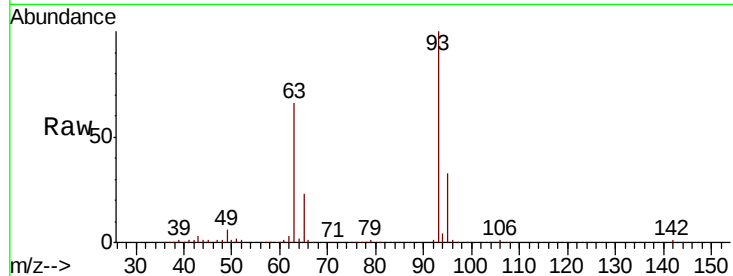
#11
bis(2-Chloroethyl)ether
Concen: 44.222 ng
RT: 6.56 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion:	93	Resp:	172924
Ion	Ratio	Lower	Upper
93	100		
63	66.4	49.3	89.3
95	32.5	11.5	51.5

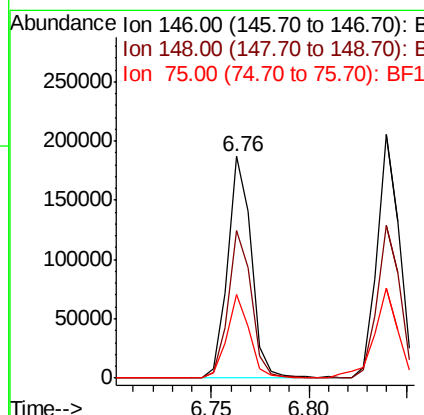
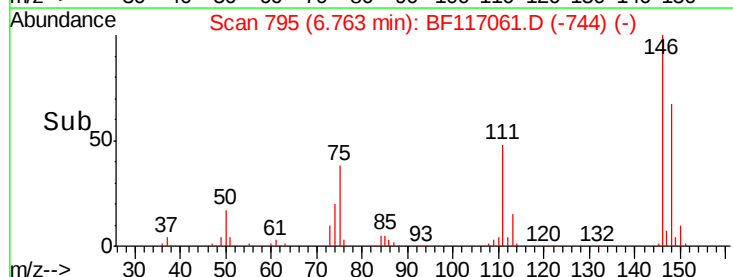
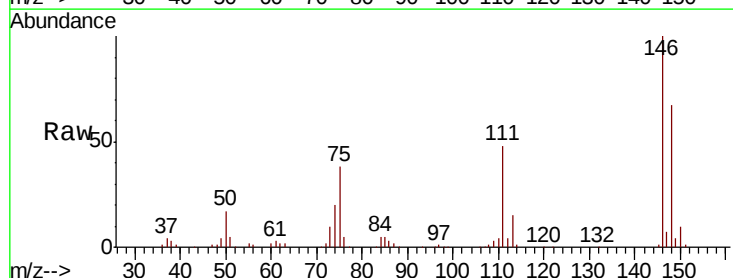
Manual Integrations
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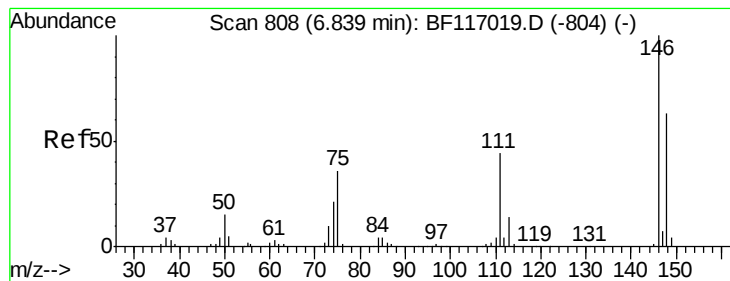
mohammad
9/17/2019 1:25:33 PM



#12
1,3-Dichlorobenzene
Concen: 34.966 ng
RT: 6.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion:	146	Resp:	158070
Ion	Ratio	Lower	Upper
146	100		
148	67.0	50.8	76.2
75	37.9	28.7	43.1





#13

1,4-Dichlorobenzene

Concen: 35.906 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

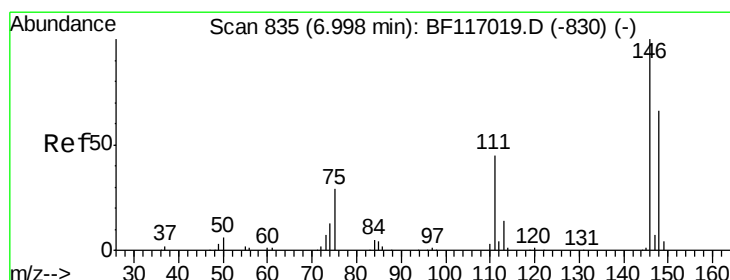
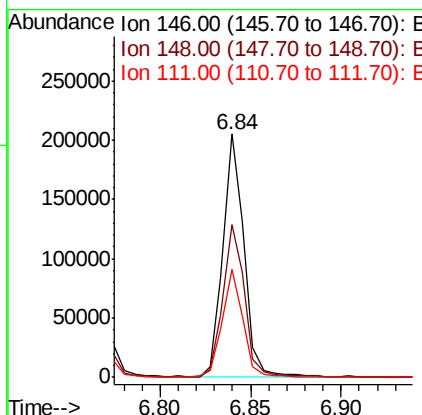
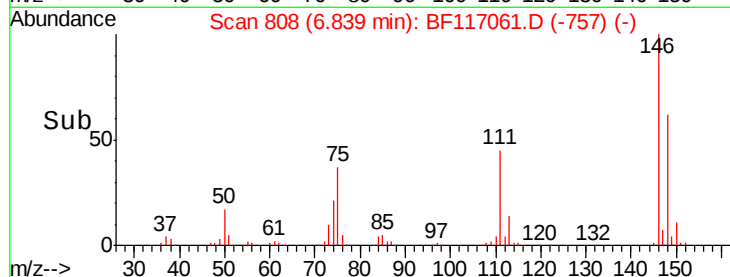
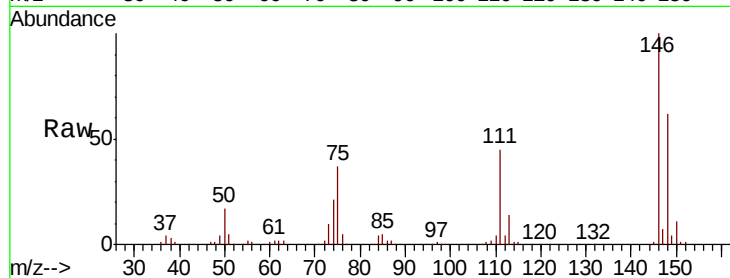
ClientSampled :

VE-4-11MS

Tot Ion:	146	Resp:	165651
Ion Ratio	Lower	Upper	
146	100		
148	62.5	50.6	76.0
111	44.6	35.0	52.6

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#14

1,2-Dichlorobenzene

Concen: 36.624 ng

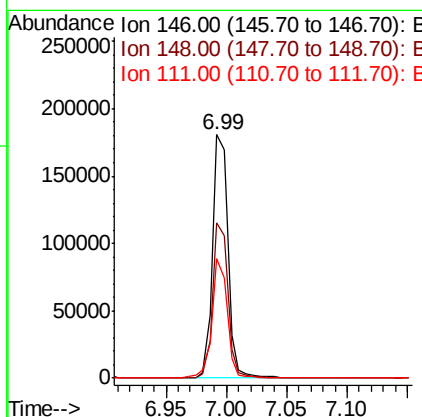
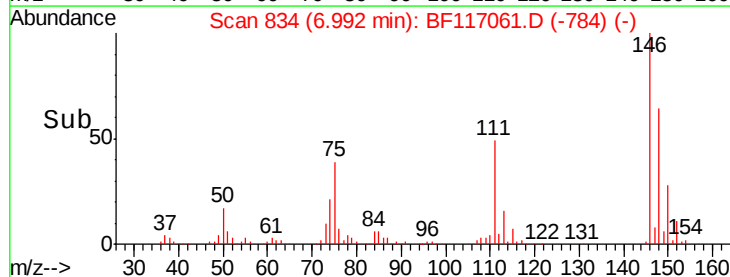
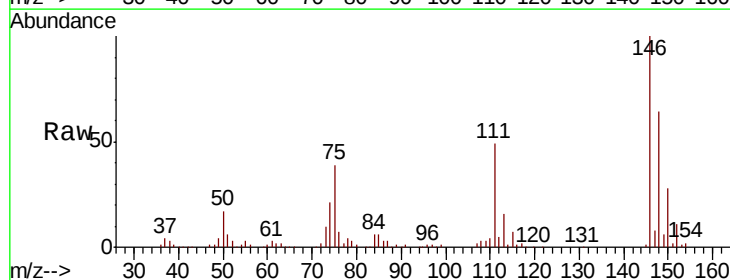
RT: 6.99 min Scan# 834

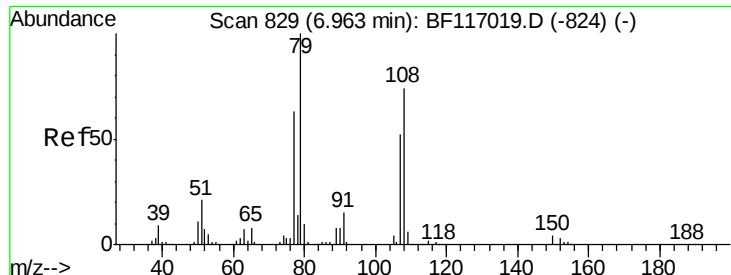
Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:	146	Resp:	157313
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.6	78.8
111	49.3	36.2	54.2





#15

Benzyl Alcohol

Concen: 24.094 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

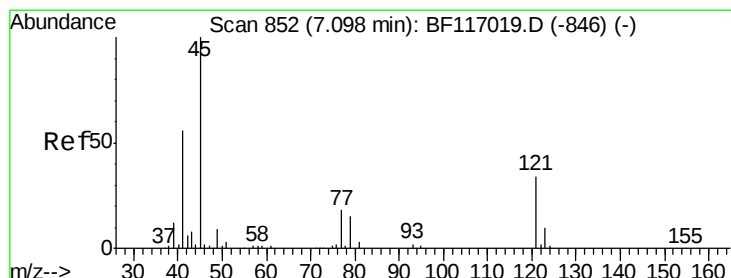
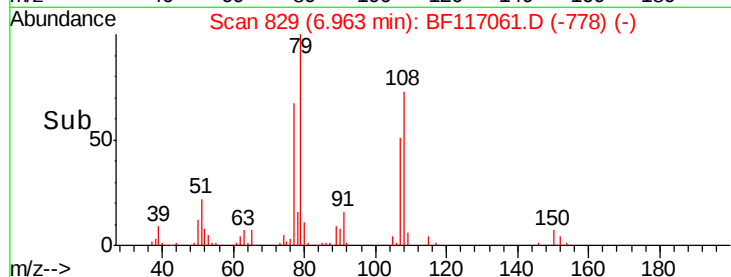
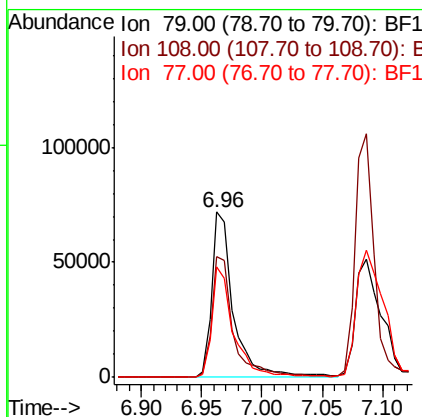
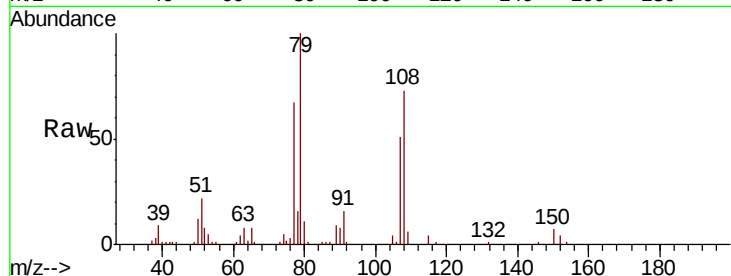
ClientSampled :

VE-4-11MS

Tot Ion:	79	Resp:	89170
Ion	Ratio	Lower	Upper
79	100		
108	73.1	59.4	89.0
77	66.9	50.2	75.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.551 ng

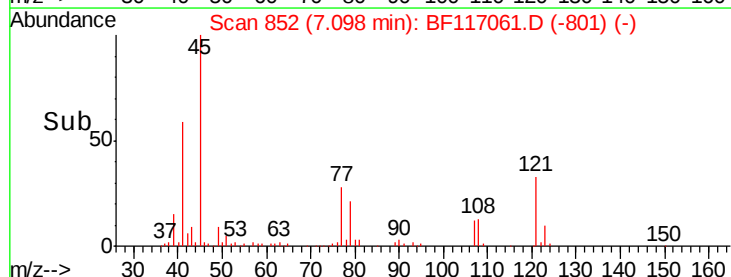
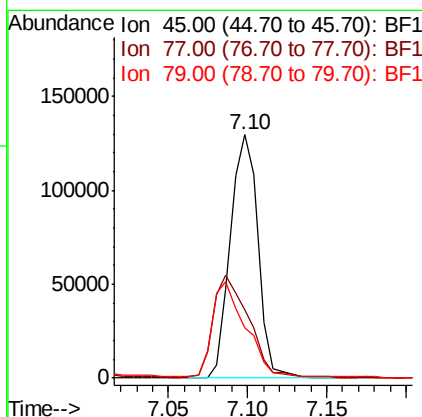
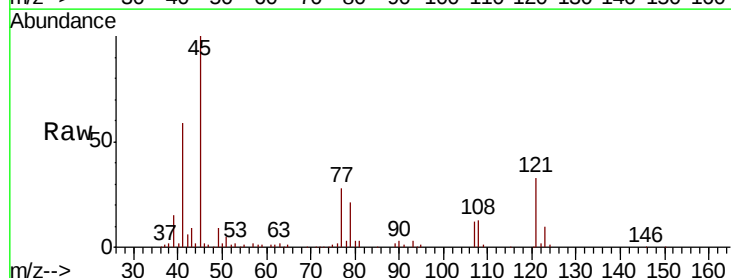
RT: 7.10 min Scan# 852

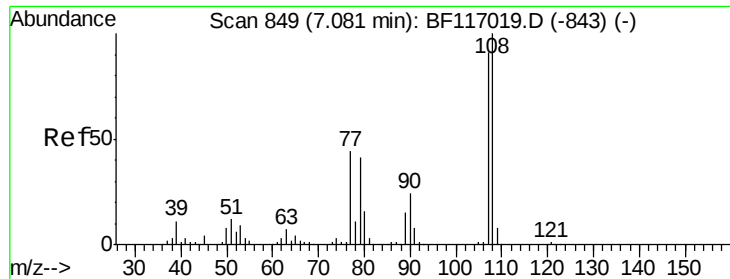
Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:	45	Resp:	156661
Ion	Ratio	Lower	Upper
45	100		
77	28.0	2.7	42.7
79	20.7	0.0	38.9





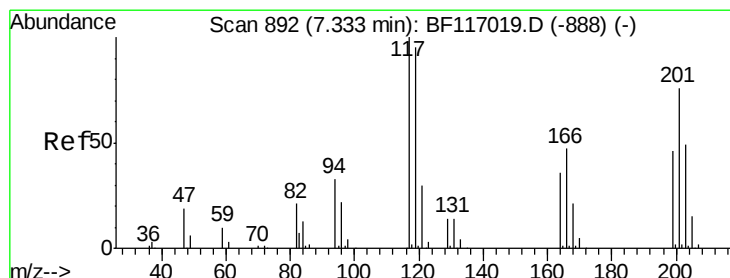
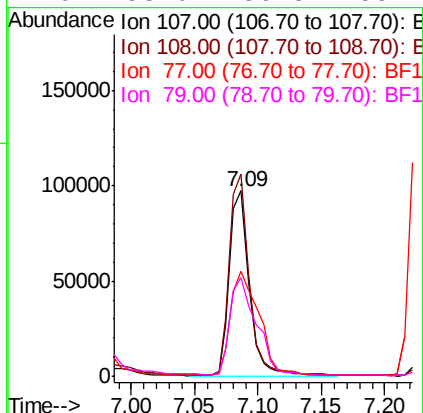
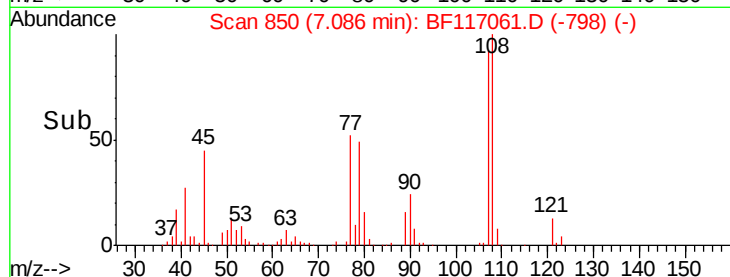
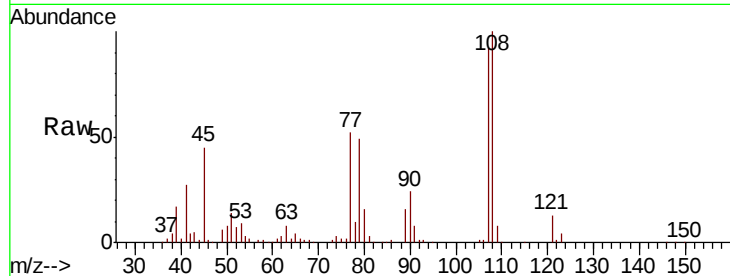
#17
2-Methylphenol
Concen: 31.795 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

Tot Ion	107	Resp	107354
Ion Ratio	Lower	Upper	
107	100		
108	108.9	87.7	131.5
77	56.6	38.6	58.0
79	53.0	36.8	55.2

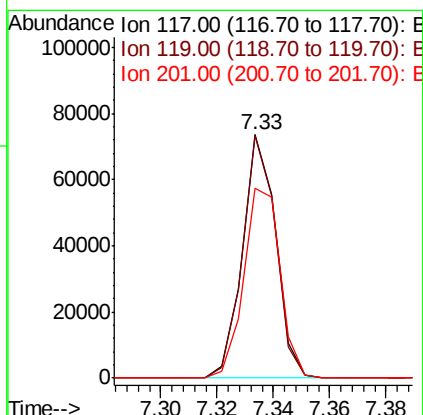
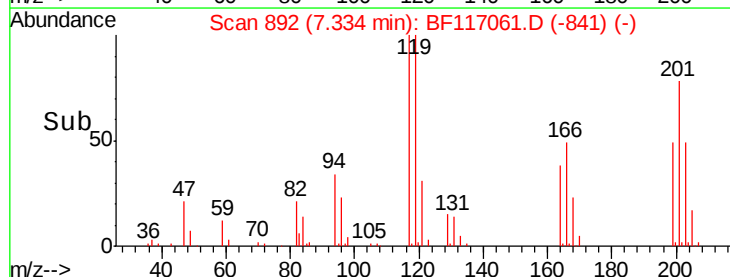
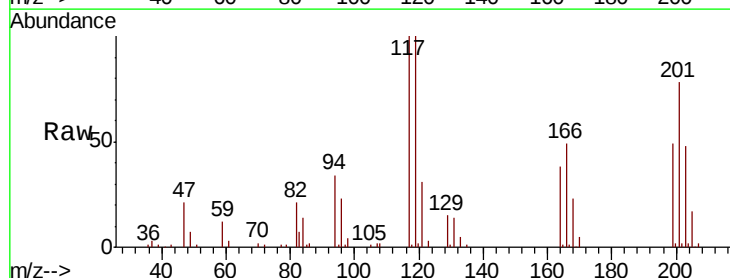
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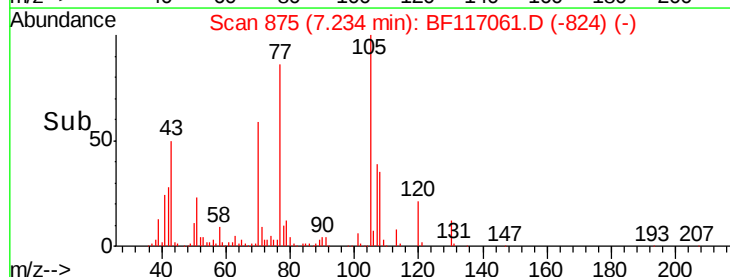
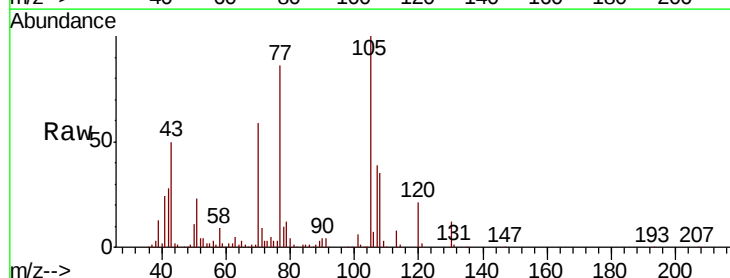
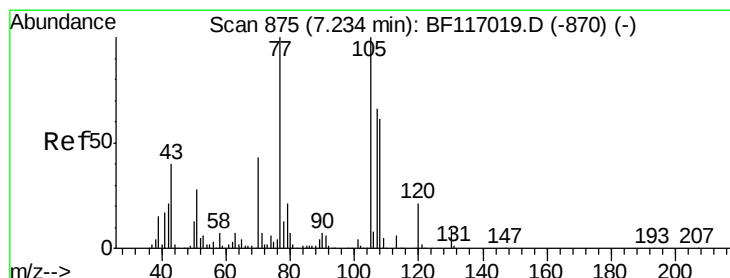
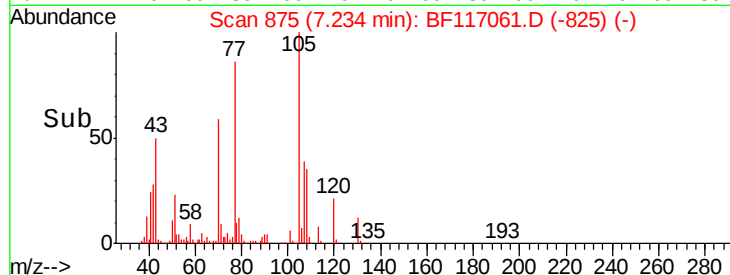
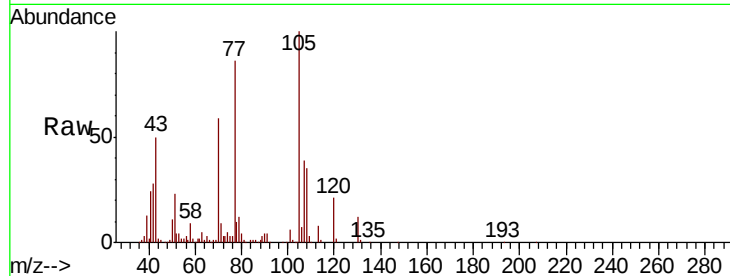
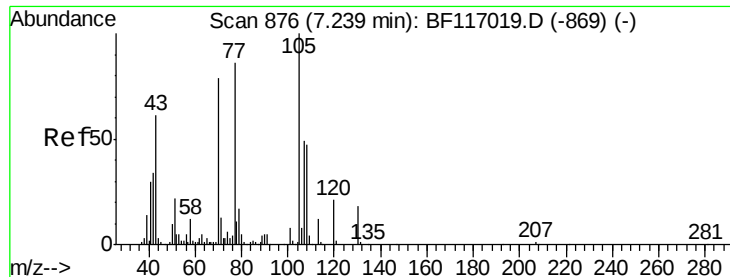
mohammad
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#18
Hexachloroethane
Concen: 33.987 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	117	Resp	60321
Ion Ratio	Lower	Upper	
117	100		
119	99.7	75.8	113.8
201	77.9	60.9	91.3





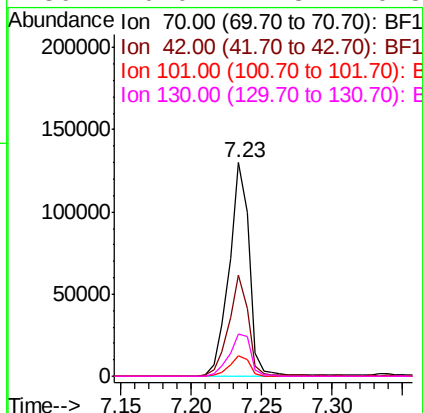
#19
n-Nitroso-di-n-propylamine
Concen: 44.071 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.3	34.0	51.0
101	9.9	7.8	11.6
130	20.0	17.8	26.8

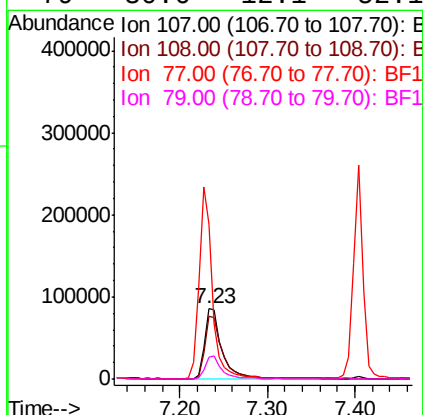
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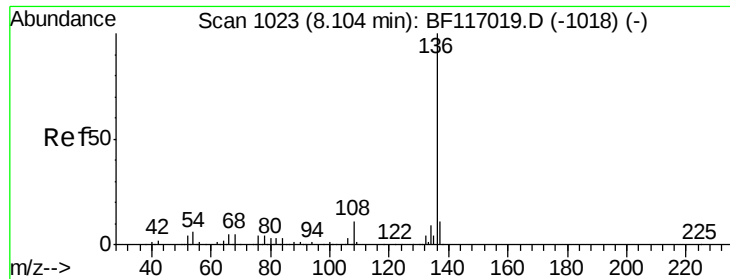
mohammad
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#20
3+4-Methylphenols
Concen: 28.268 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.5	72.6	112.6
77	219.4	132.1	172.1#
79	30.6	12.1	52.1





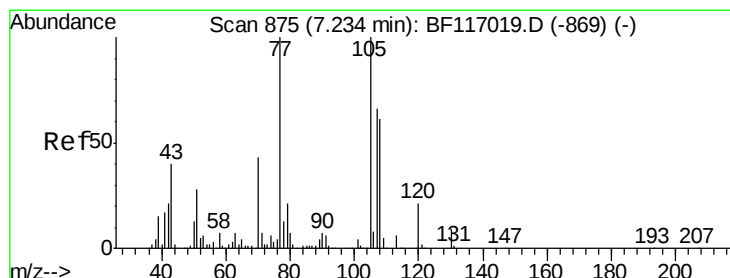
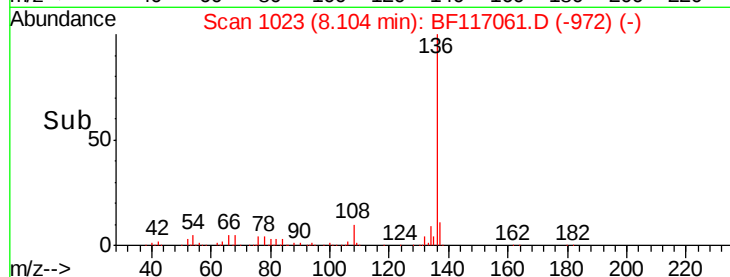
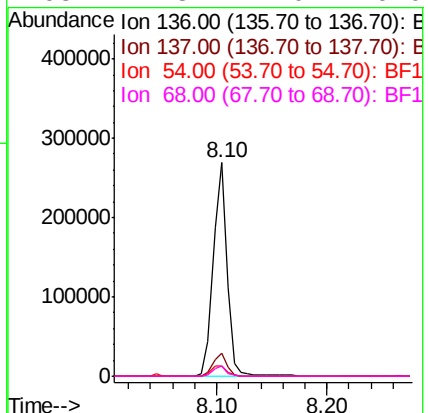
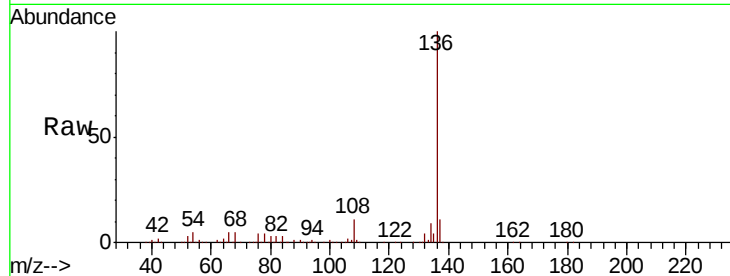
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		229734		
137	10.7		9.0	13.4	
54	5.0		4.5	6.7	
68	4.8		4.0	6.0	

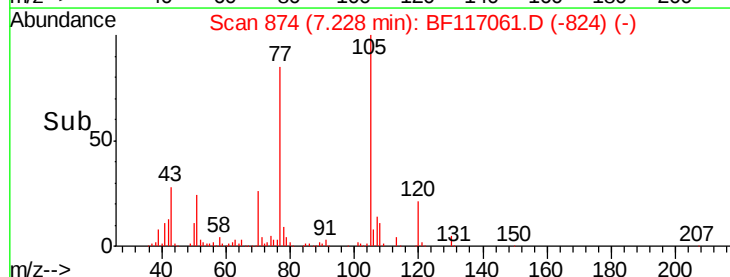
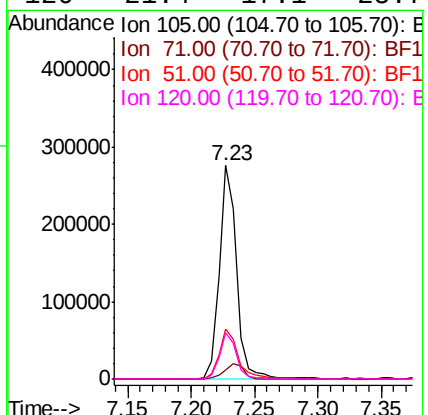
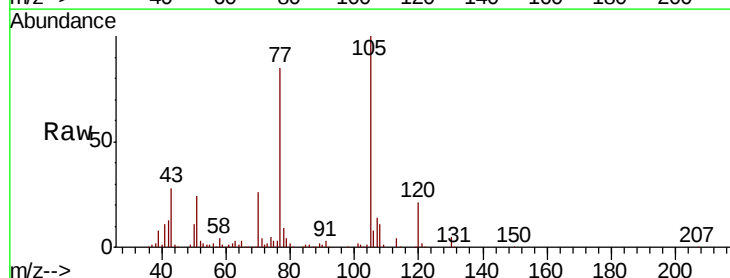
Manual Integrations
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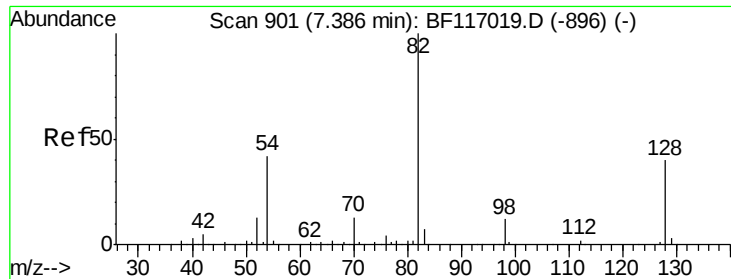
mohammad
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#22
Acetophenone
Concen: 45.403 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		265010		
71	4.2		5.7	8.5#	
51	23.6		22.1	33.1	
120	21.4		17.1	25.7	





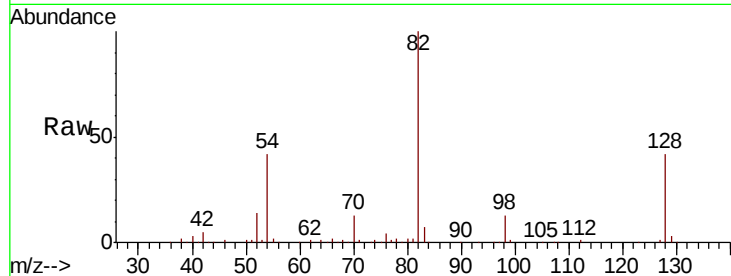
#23
 Nitrobenzene-d5
 Concen: 91.222 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

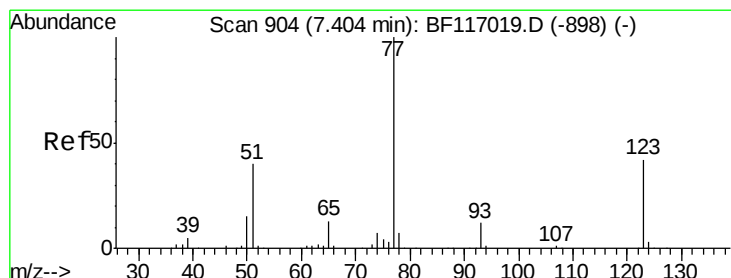
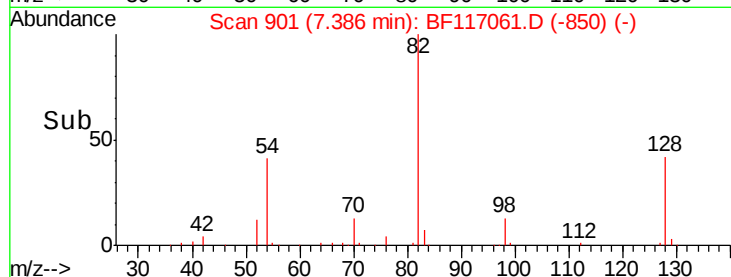
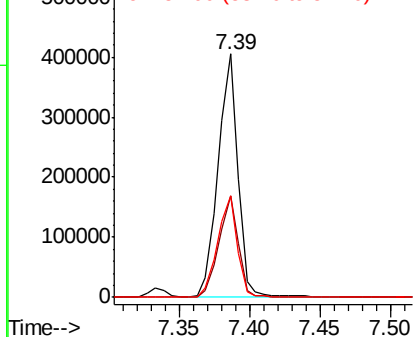
Tot Ion	Ratio	Resp	Lower	Upper
82	100	398854		
128	41.5	32.3	48.5	
54	41.6	33.3	49.9	

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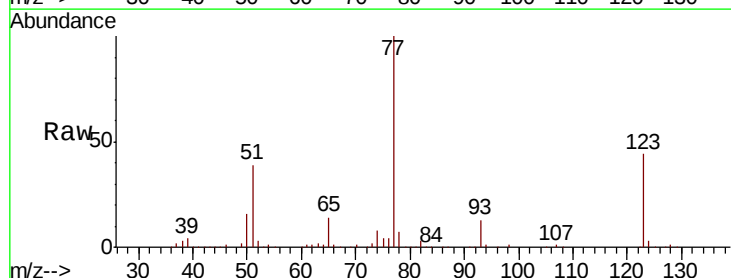


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

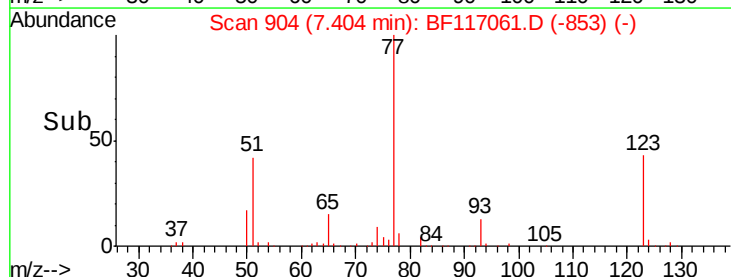
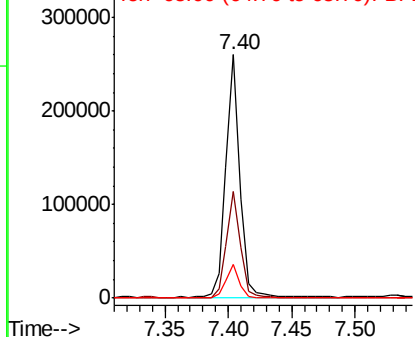


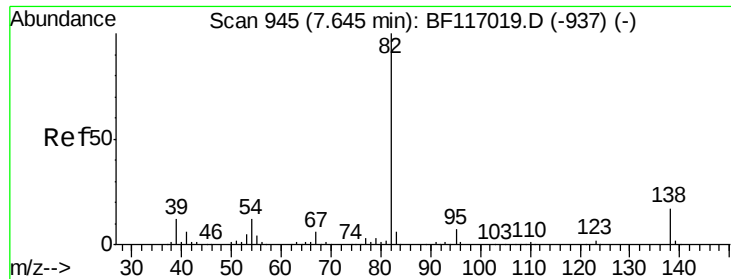
#24
 Nitrobenzene
 Concen: 45.957 ng
 RT: 7.40 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	198436		
123	44.0	33.5	50.3	
65	13.9	10.5	15.7	



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





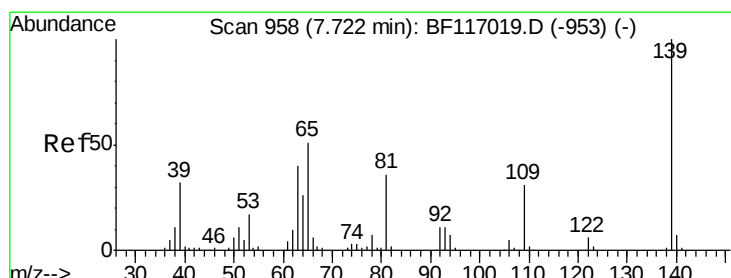
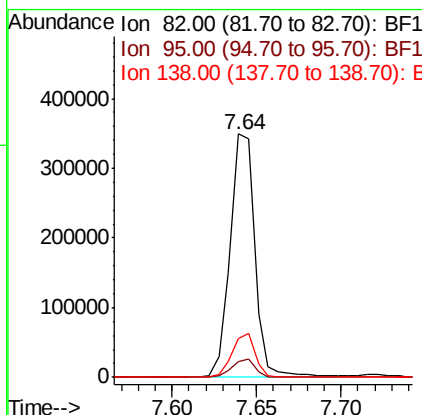
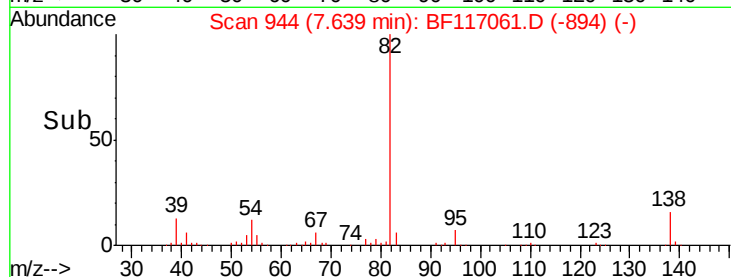
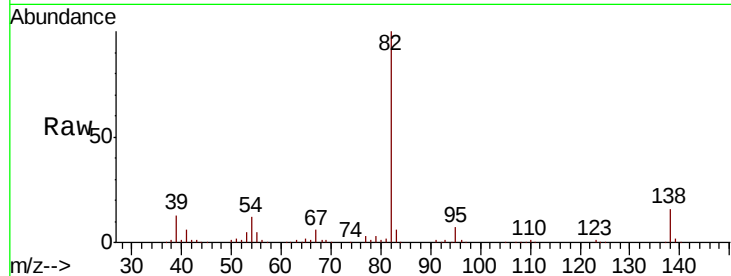
#25
Isophorone
Concen: 45.740 ng
RT: 7.64 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.7	5.8	8.6	
138	15.7	13.5	20.3	

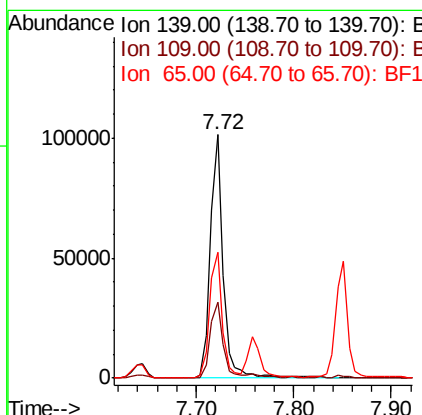
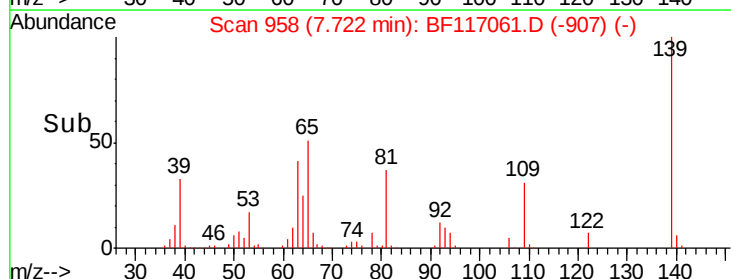
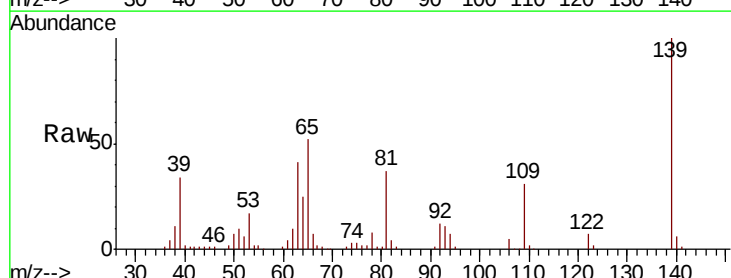
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#26
2-Nitrophenol
Concen: 50.240 ng
RT: 7.72 min Scan# 958
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	31.3	24.6	36.8	
65	51.6	40.9	61.3	





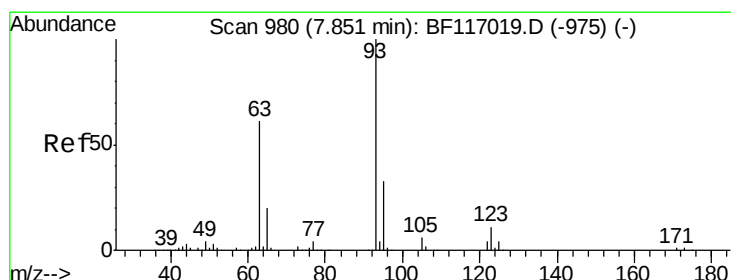
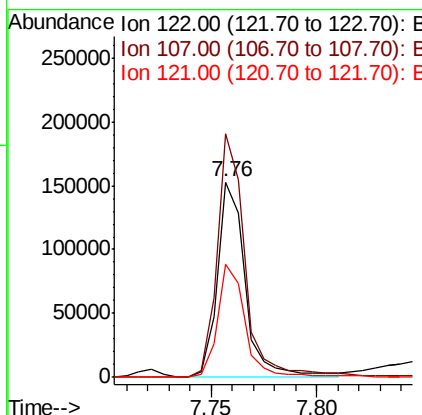
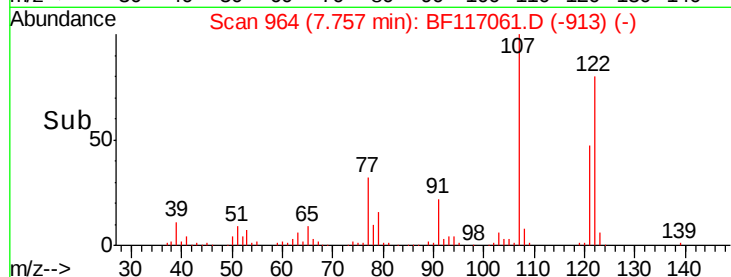
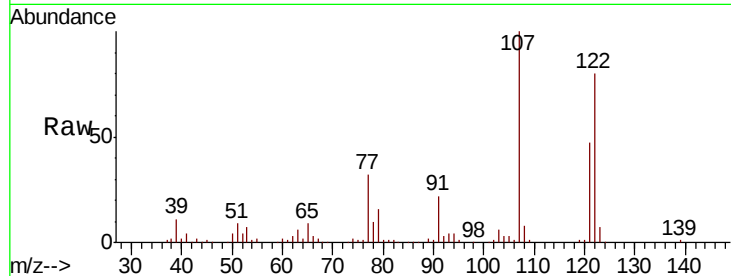
#27
 2,4-Dimethylphenol
 Concen: 47.859 ng
 RT: 7.76 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		140759		
107	124.8	98.9	148.3		
121	58.2	45.3	67.9		

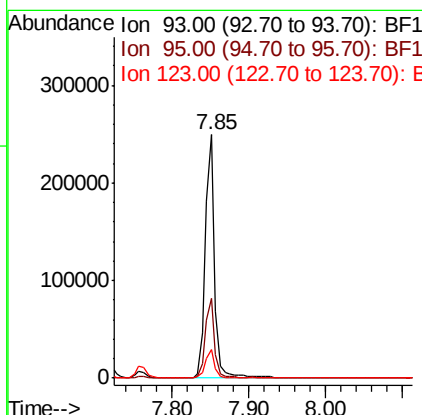
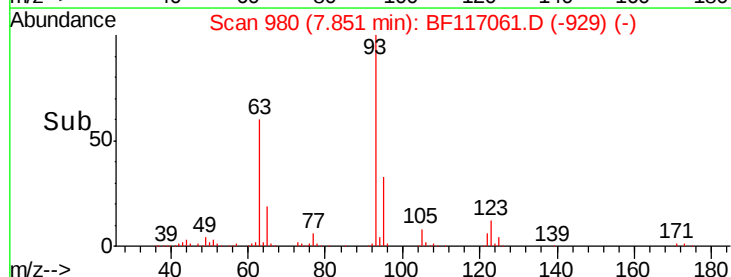
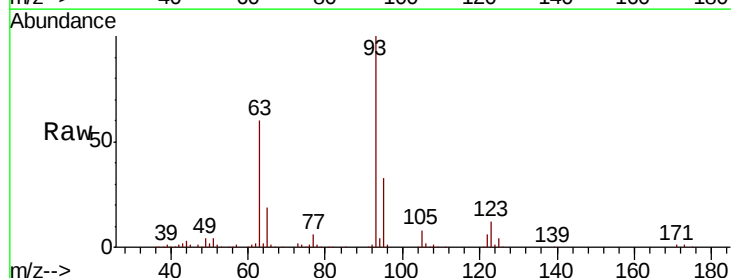
Manual Integrations
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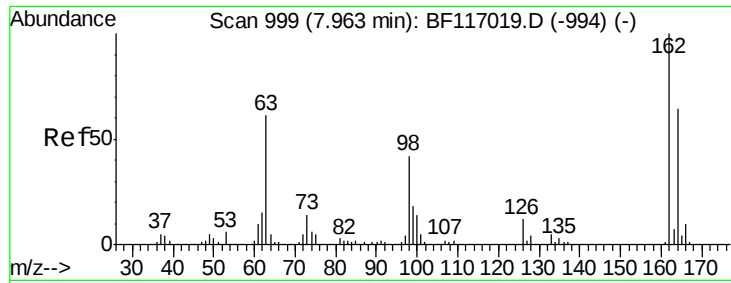
mohammad
 9/17/2019 1:25:33 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.170 ng
 RT: 7.85 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		210679		
95	32.9	26.2	39.4		
123	12.0	9.0	13.6		





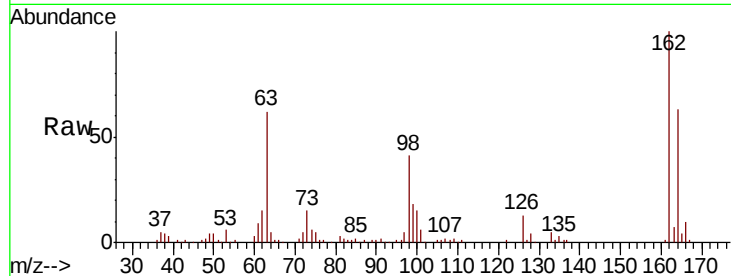
#29
 2,4-Dichlorophenol
 Concen: 46.321 ng
 RT: 7.96 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MS

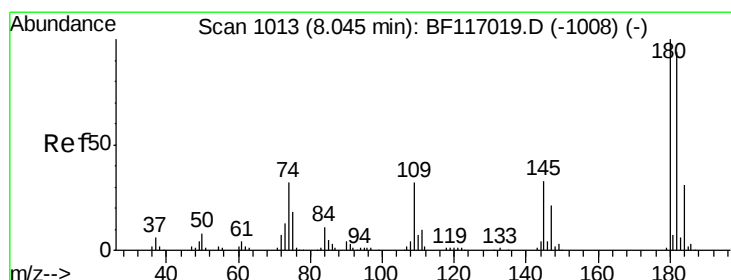
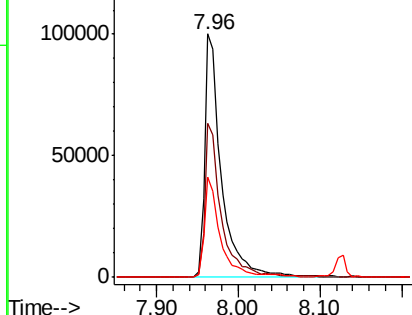
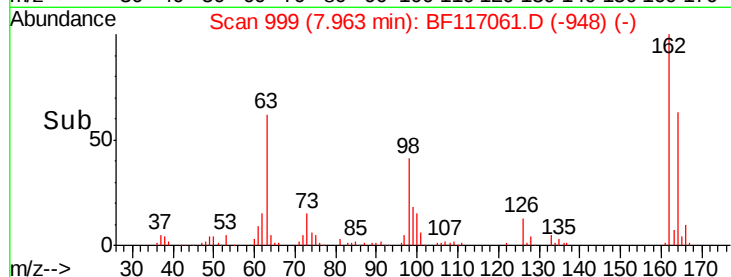
Tot Ion:	162	Resp:	142751
Ion Ratio	Lower	Upper	
162	100		
164	63.4	43.8	83.8
98	41.1	22.1	62.1

Manual Integrations
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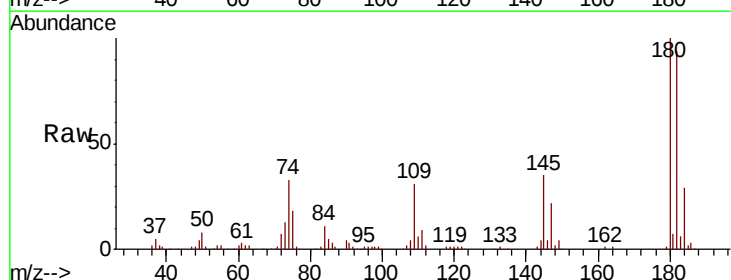


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

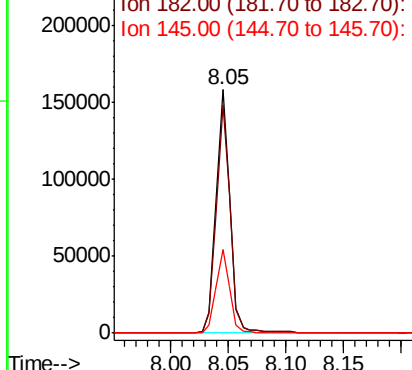
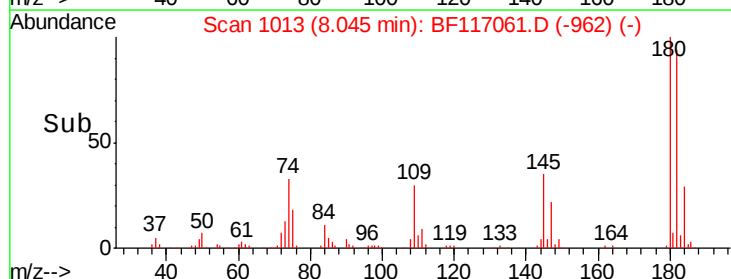


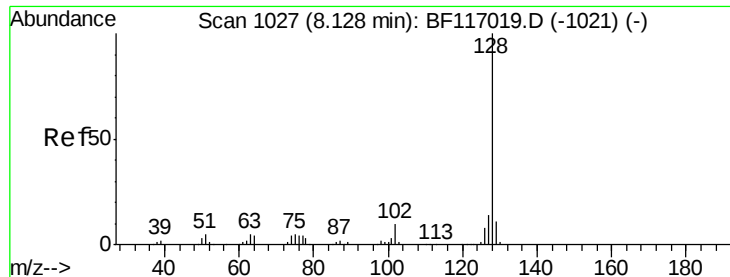
#30
 1,2,4-Trichlorobenzene
 Concen: 39.702 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion:	180	Resp:	132186
Ion Ratio	Lower	Upper	
180	100		
182	93.9	75.4	113.0
145	34.6	26.7	40.1



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





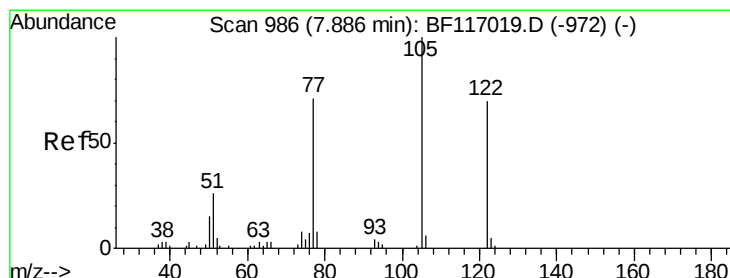
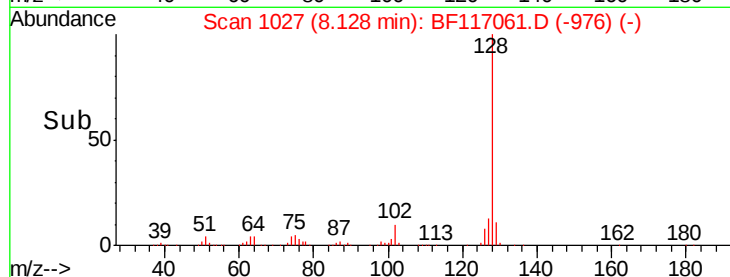
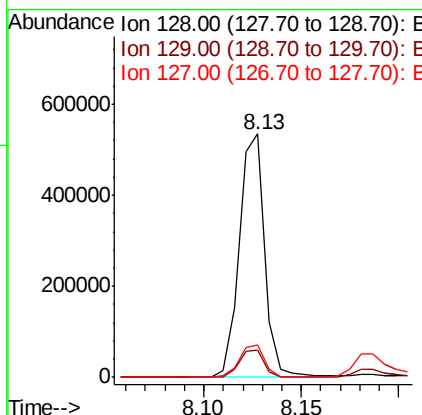
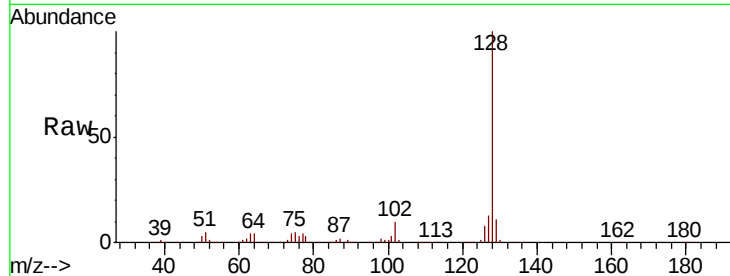
#31
Naphthalene
Concen: 43.735 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.0	13.4	
127	13.5	10.8	16.2	

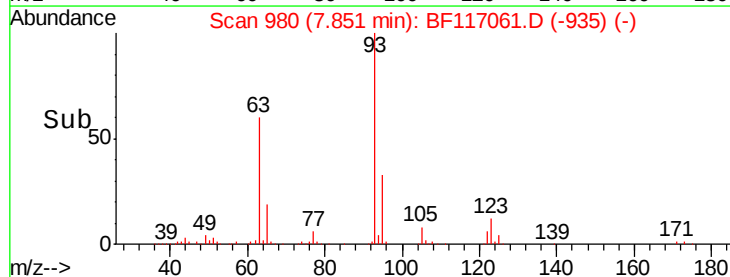
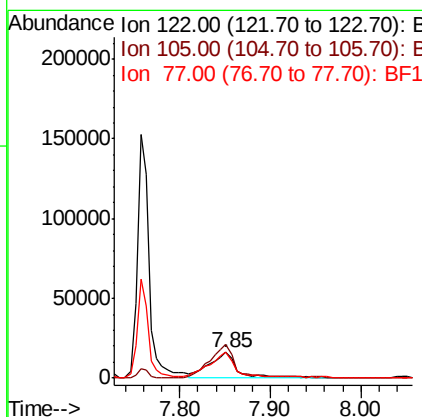
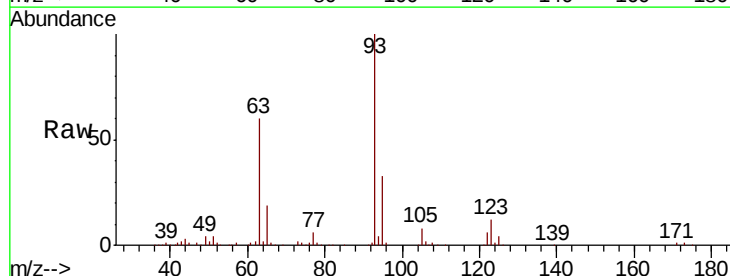
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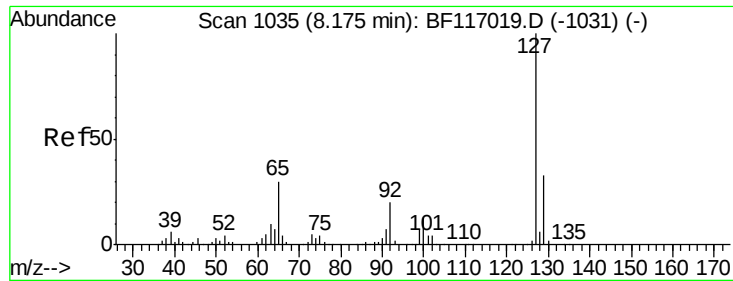
mohammad
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#32
Benzoic acid
Concen: 19.548 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	130.3	114.8	154.8	
77	100.3	78.7	118.7	





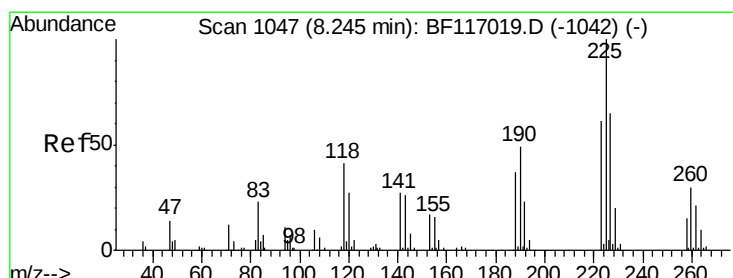
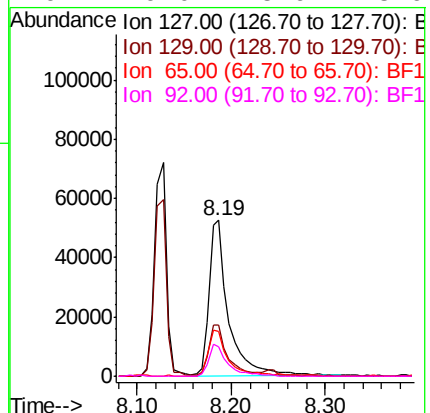
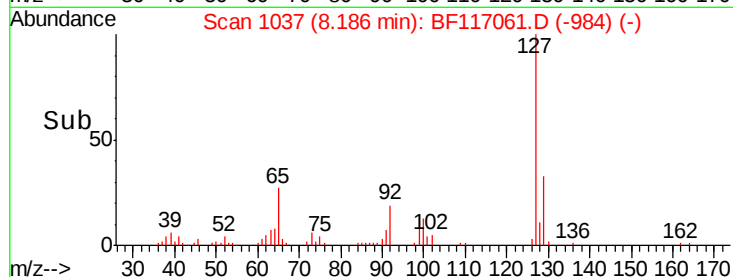
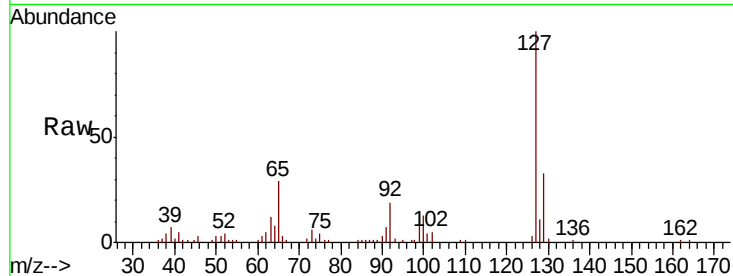
#33
4-Chloroaniline
Concen: 15.429 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.1	26.2	39.2		
65	29.0	23.5	35.3		
92	19.0	15.9	23.9		

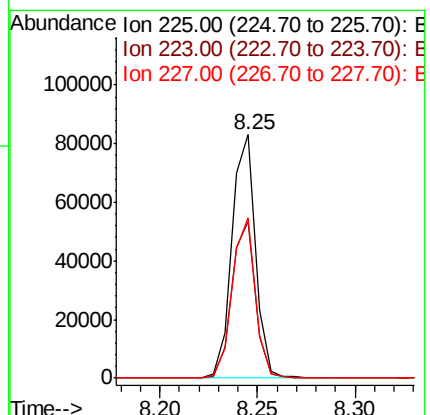
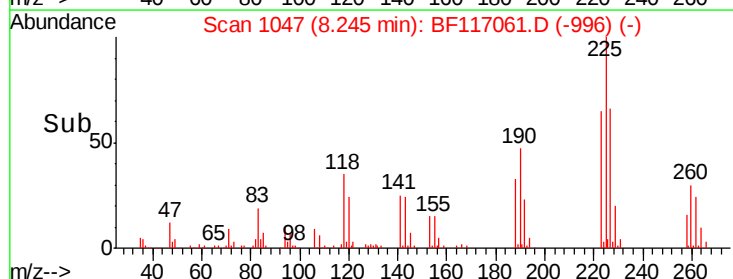
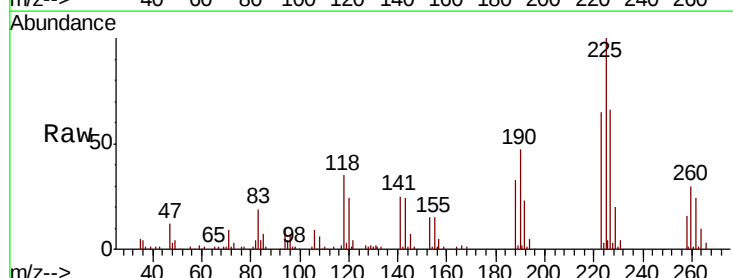
Manual Integrations
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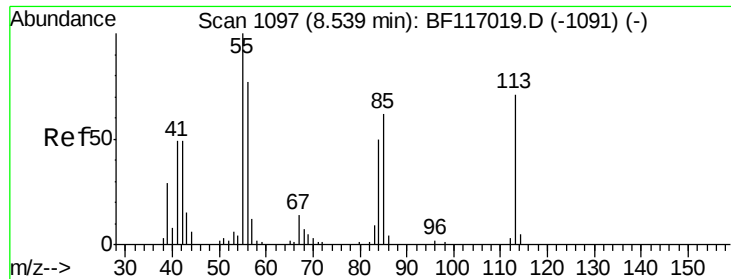
mohammad
9/17/2019 1:25:33 PM



#34
Hexachlorobutadiene
Concen: 36.790 ng
RT: 8.25 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.6	49.1	73.7		
227	65.9	52.2	78.2		





#35

Caprolactam

Concen: 6.073 ng

RT: 8.55 min Scan# 1098

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

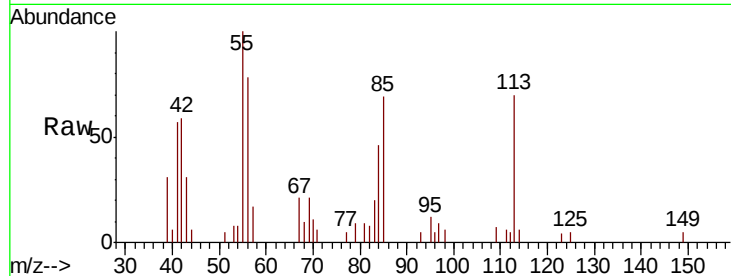
ClientSampleId :

VE-4-11MS

Tot Ion:	113	Resp:	6335
Ion Ratio	Lower	Upper	
113	100		
55	142.1	120.6	160.6
56	110.6	88.8	128.8

Manual Integrations
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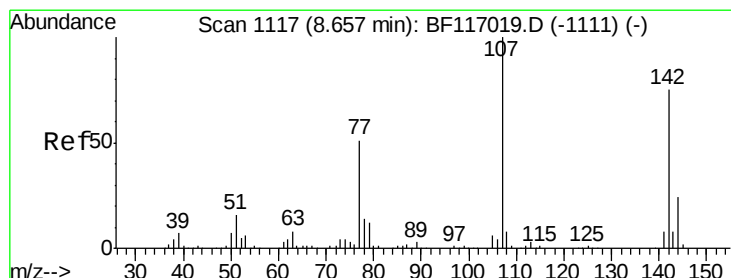
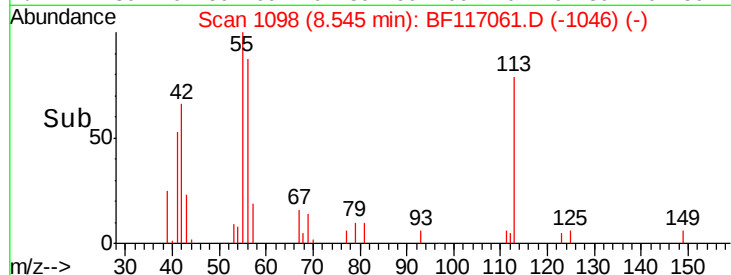
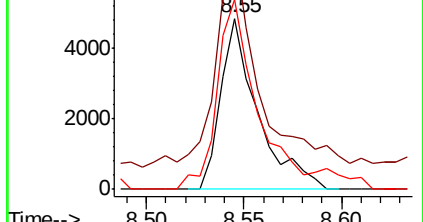
mohammad
9/17/2019 1:25:33 PM



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: 42.714 ng

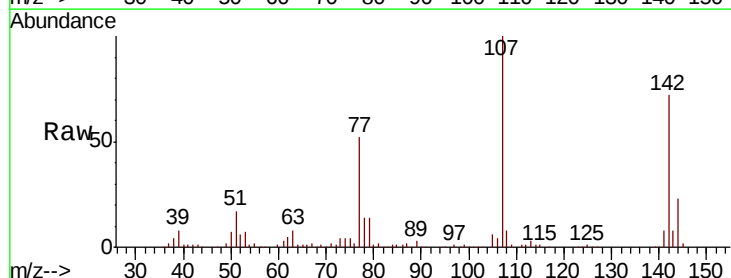
RT: 8.65 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

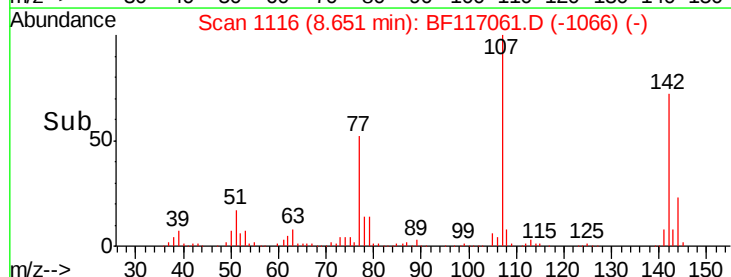
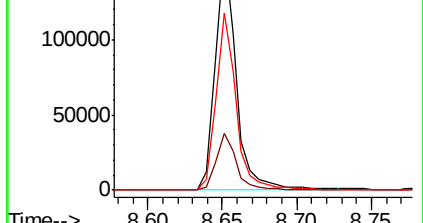
Tgt Ion:	107	Resp:	153489
Ion Ratio	Lower	Upper	
107	100		
144	23.2	19.2	28.8
142	72.5	59.6	89.4

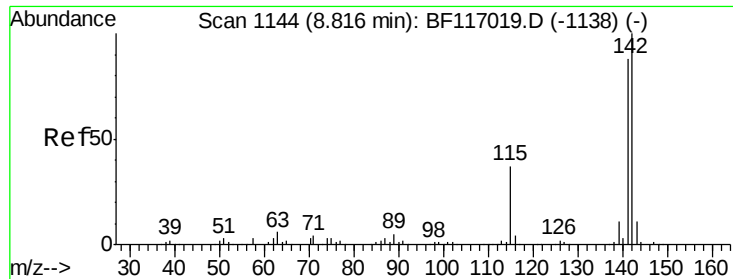


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





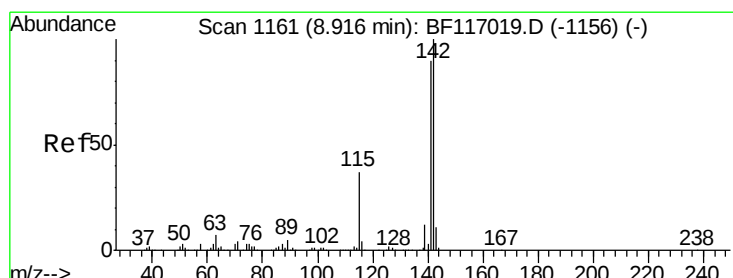
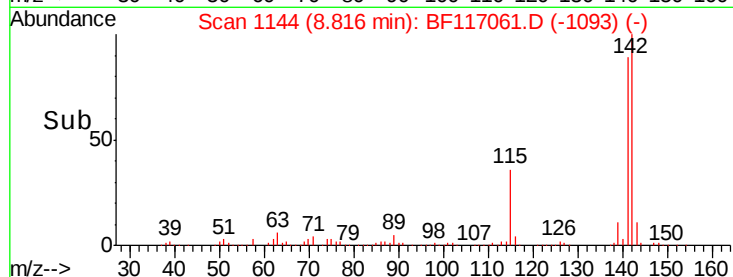
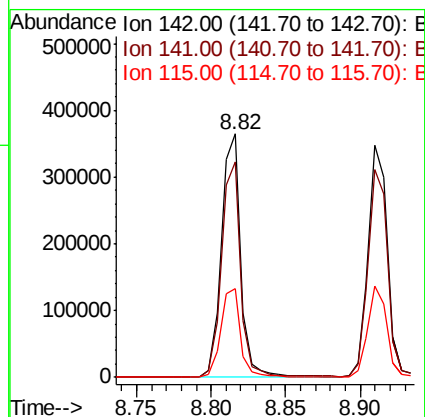
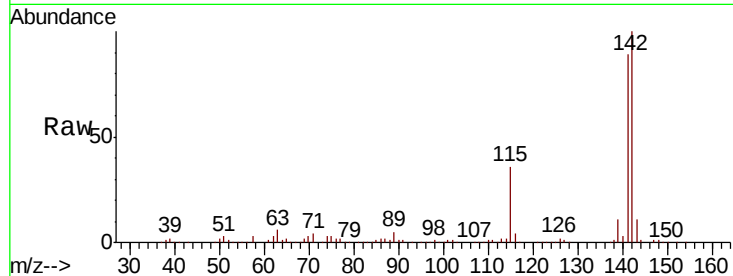
#37
2-Methylnaphthalene
Concen: 44.949 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.7	106.1
115	36.3	29.4	44.0

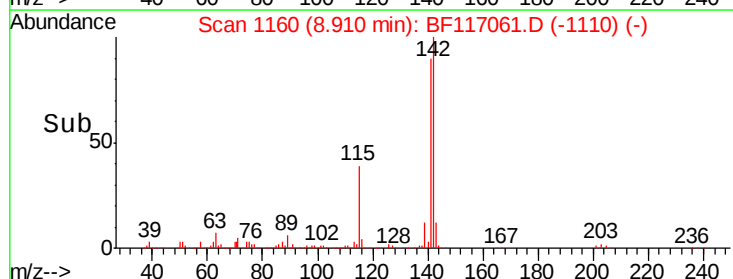
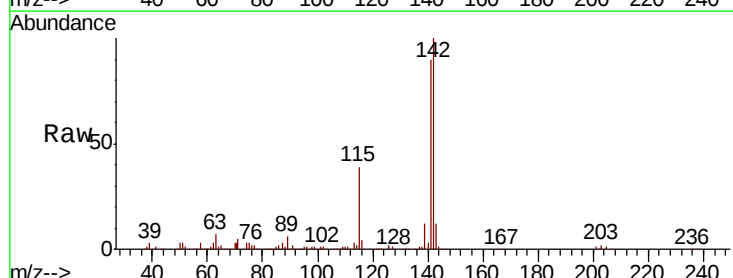
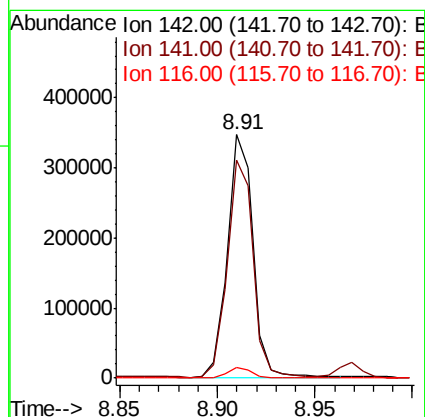
Manual Integrations
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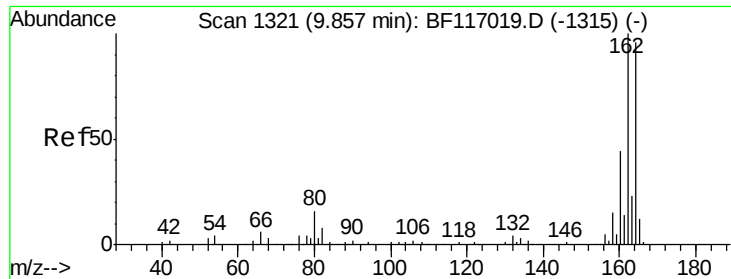
mohammad
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#38
1-Methylnaphthalene
Concen: 44.812 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.9	107.9
116	4.2	3.2	4.8





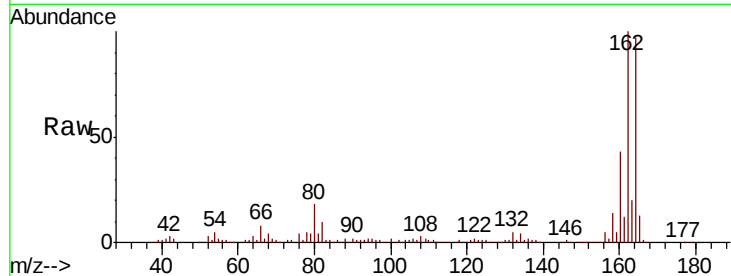
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	83.4	125.2	
160	44.2	36.4	54.6	

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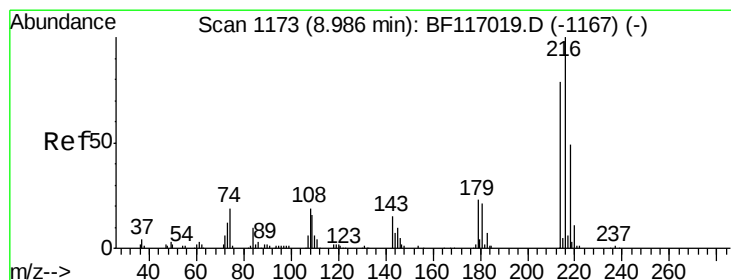
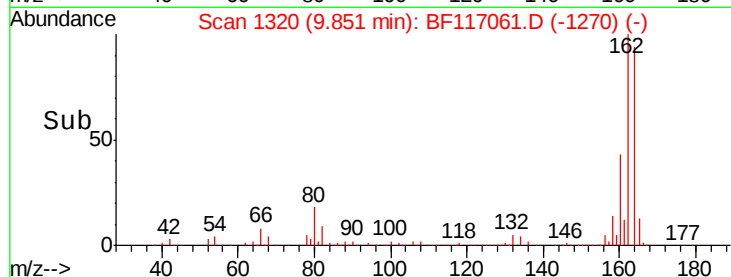
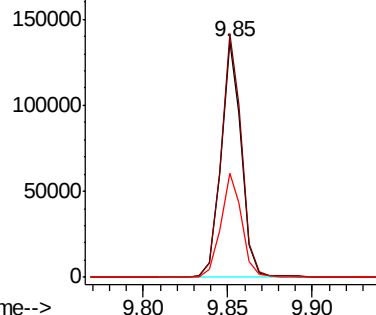


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.066 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	76.9	63.6	95.4	
179	23.0	18.3	27.5	
108	24.8	17.8	26.6	

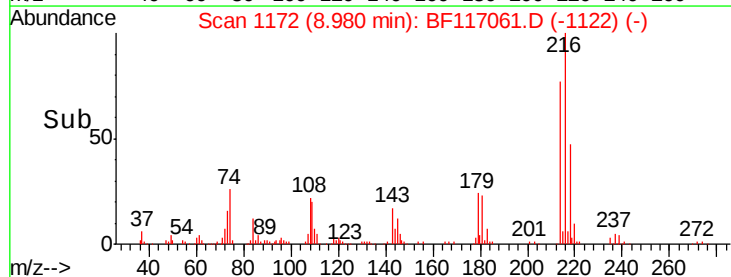
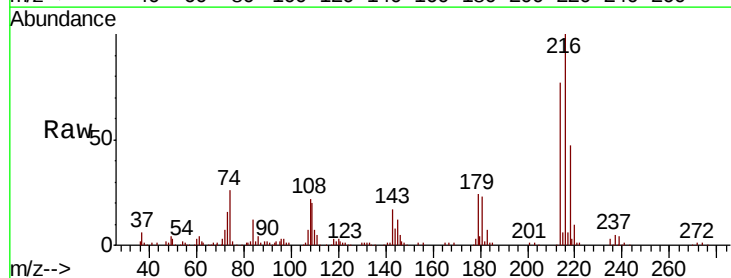
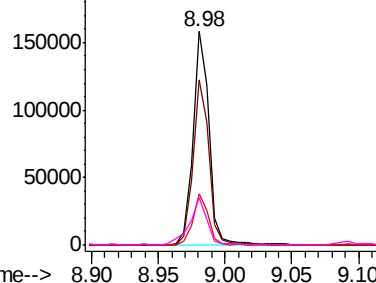
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





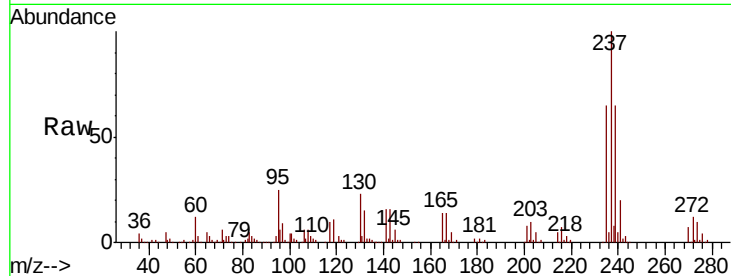
#41
Hexachlorocyclopentadiene
Concen: 86.039 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

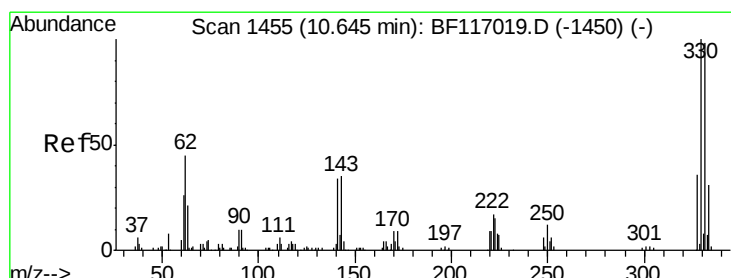
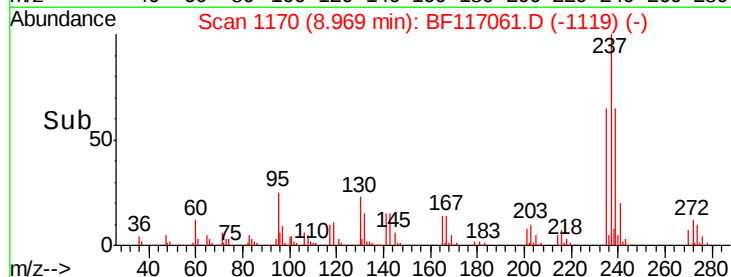
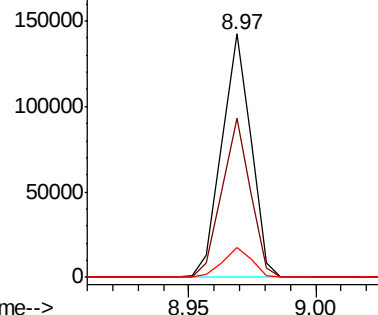
Tot Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	65.5	43.2	83.2
272	12.3	0.0	31.9

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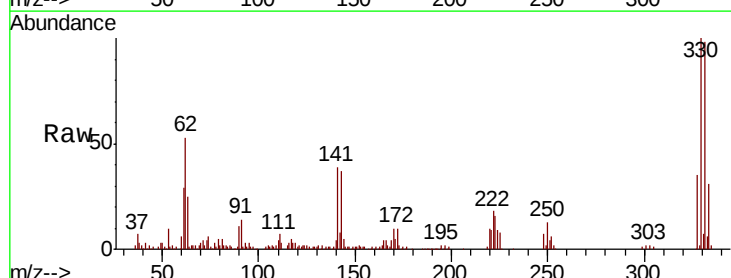


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

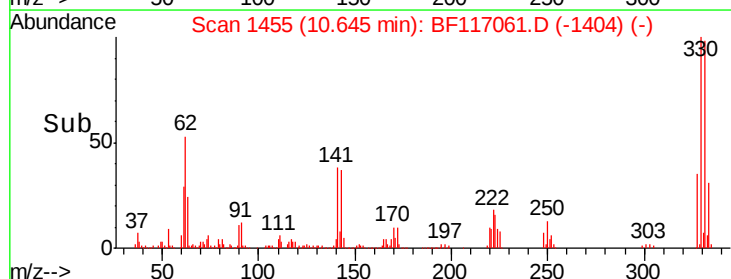
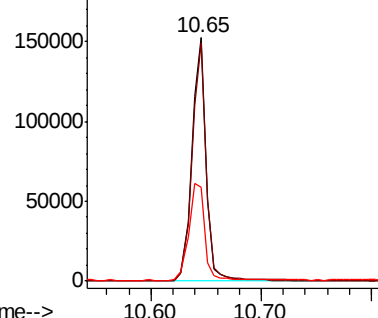


#42
2,4,6-Tribromophenol
Concen: 141.707 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.8	78.0	117.0
141	44.1	35.8	53.6



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





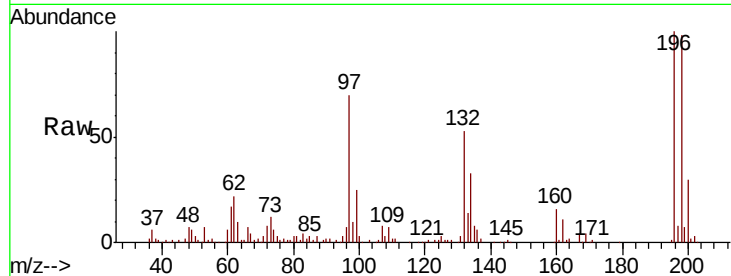
#43
 2,4,6-Trichlorophenol
 Concen: 47.398 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	96004		
198	98.3		75.7	113.5
200	29.8		23.3	34.9

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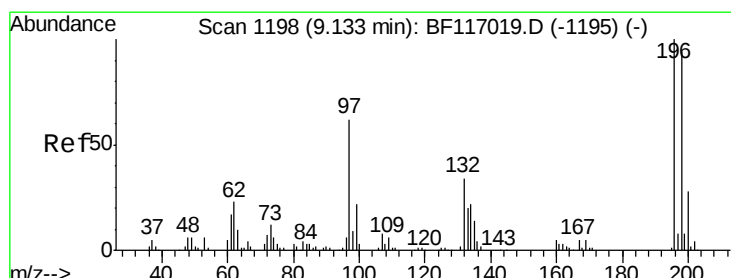
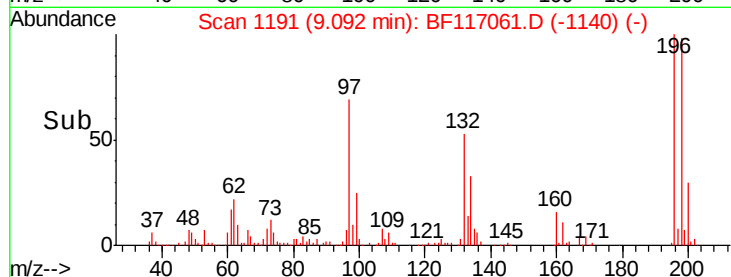
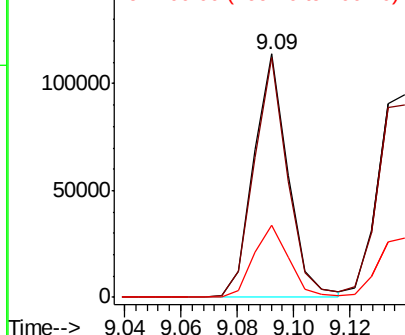


Abundance

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: 48.921 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	105869		
198	95.0		74.6	112.0
97	55.9		49.5	74.3
132	29.4		27.4	41.2

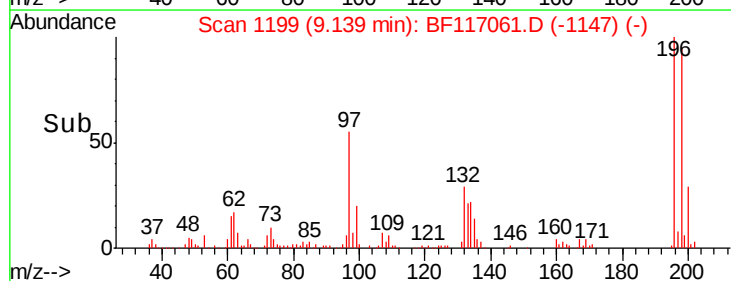
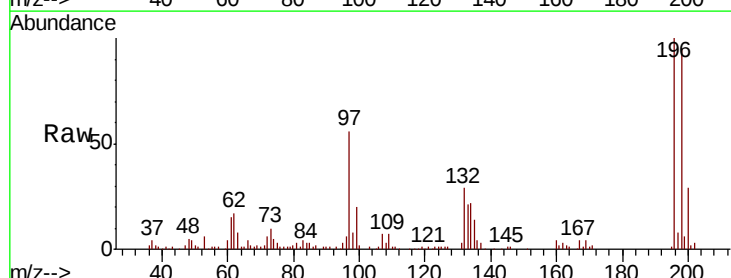
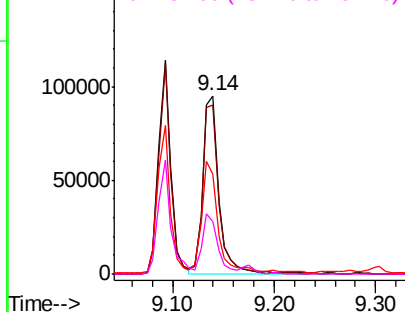
Abundance

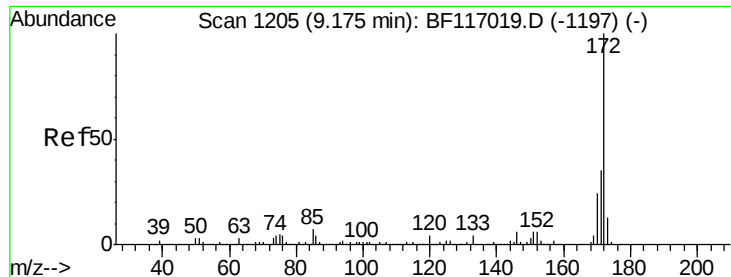
Ion 196.00 (195.70 to 196.70): E

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





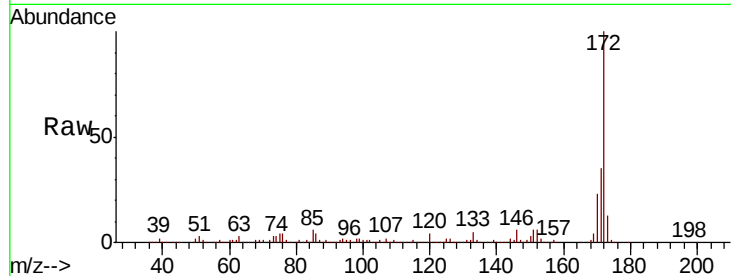
#45
2-Fluorobiphenyl
Concen: 91.051 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.5	18.9	28.3

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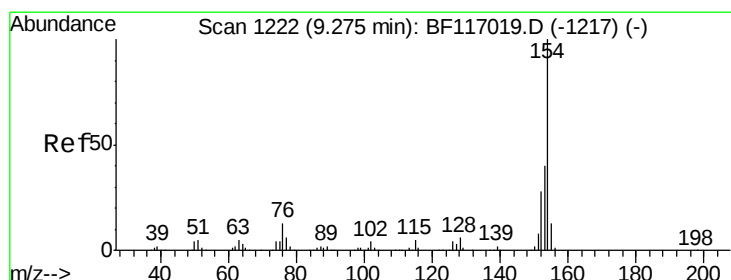
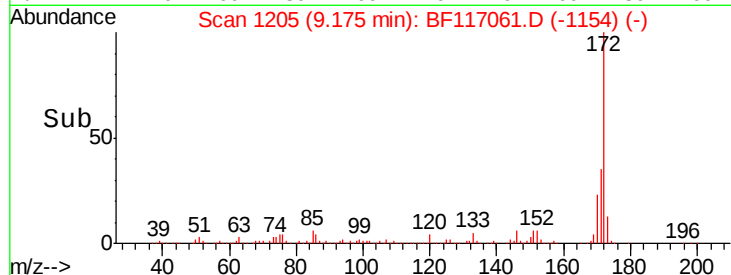
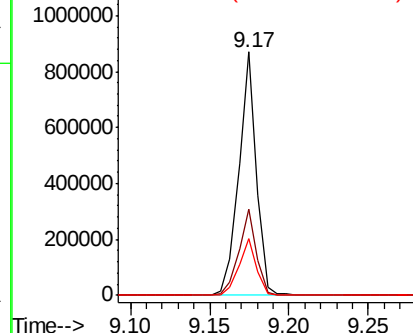


Abundance

Ion 172.00 (171.70 to 172.70): E

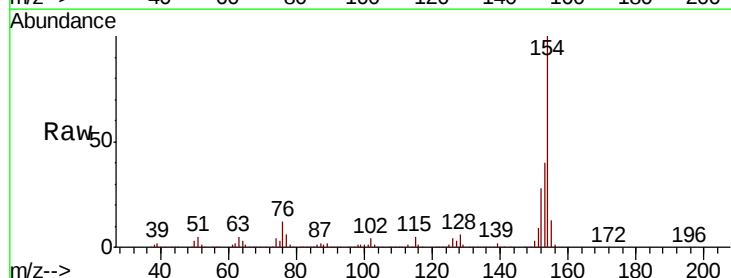
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.253 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.0	60.0
76	12.2	0.0	32.7

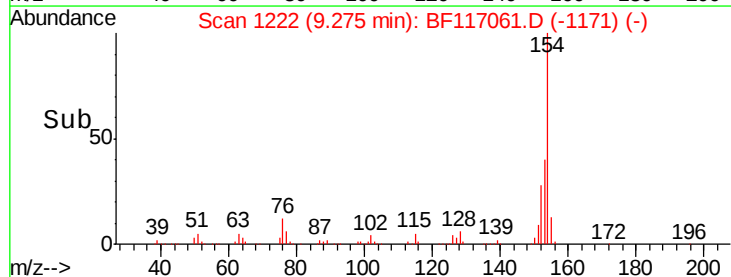
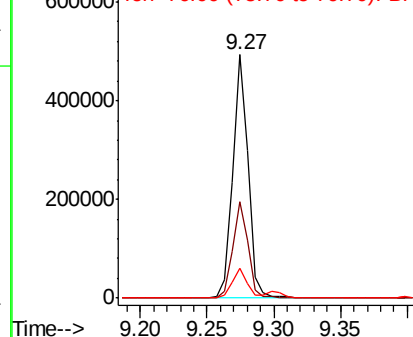


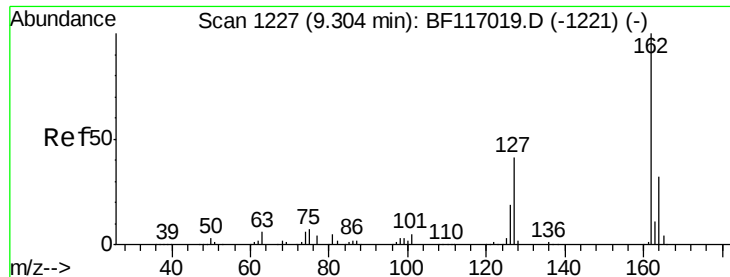
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





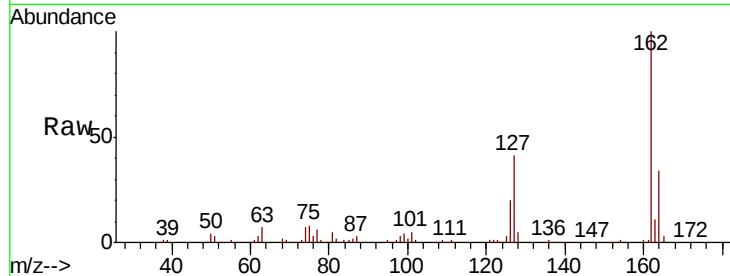
#47
2-Chloronaphthalene
Concen: 44.031 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.8	34.1	51.1	
164	33.5	25.9	38.9	

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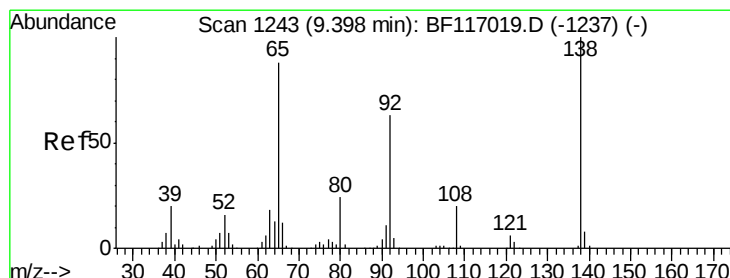
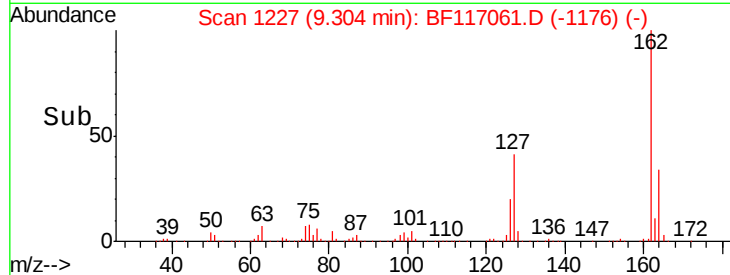
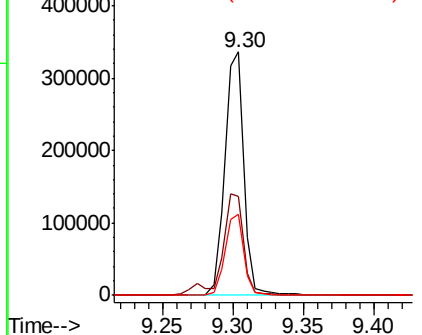


Abundance

Ion 162.00 (161.70 to 162.70): E

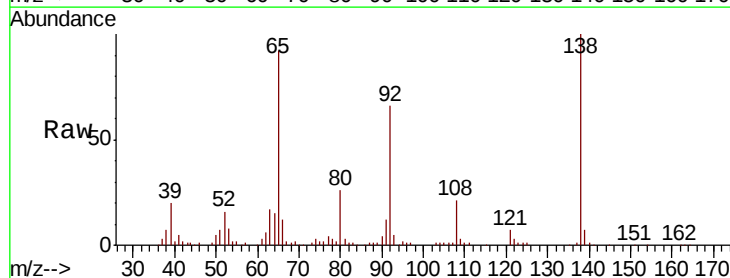
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 45.167 ng
RT: 9.40 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	71.6	57.5	86.3	
138	108.7	90.6	136.0	

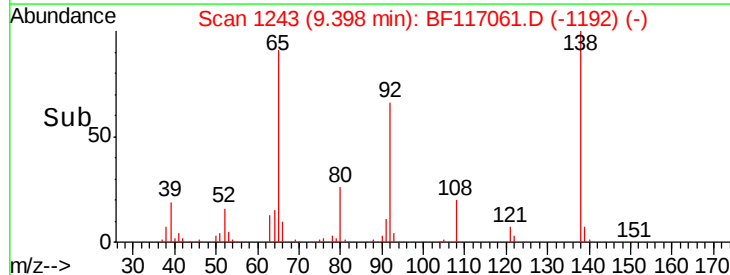
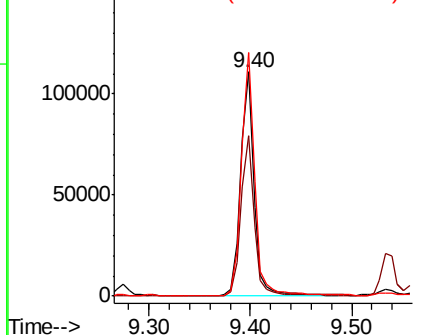


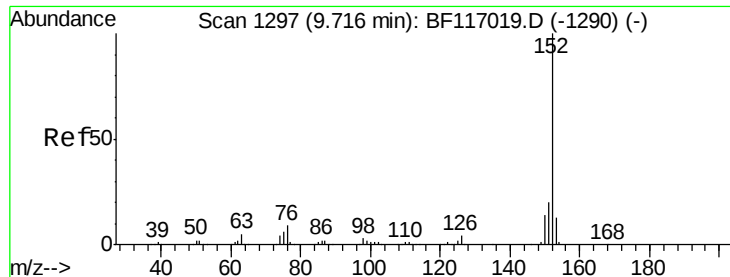
Abundance

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: 46.626 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

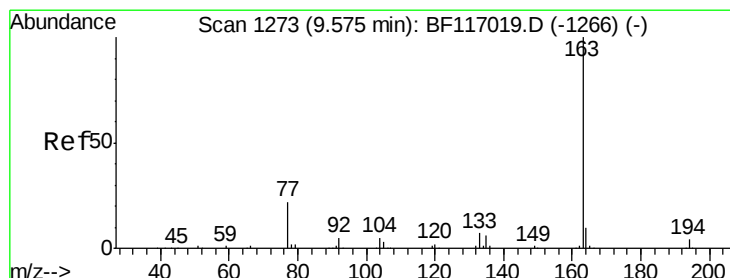
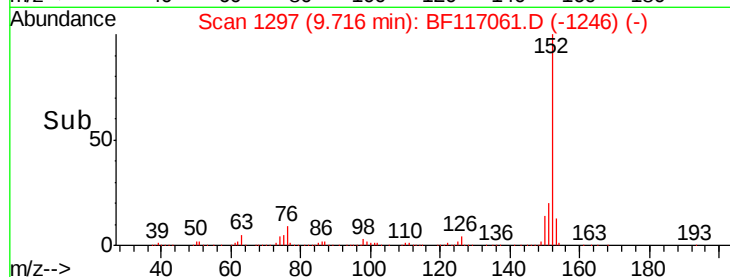
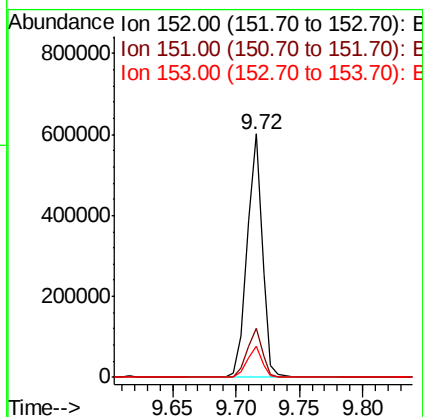
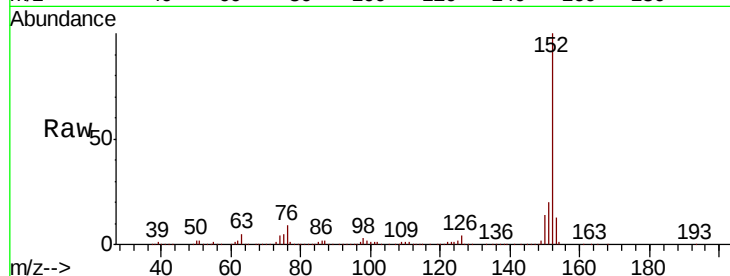
ClientSampleId :

VE-4-11MS

Tot Ion:	152	Resp:	499790
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	12.7	10.2	15.4

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#50

Dimethylphthalate

Concen: 52.521 ng

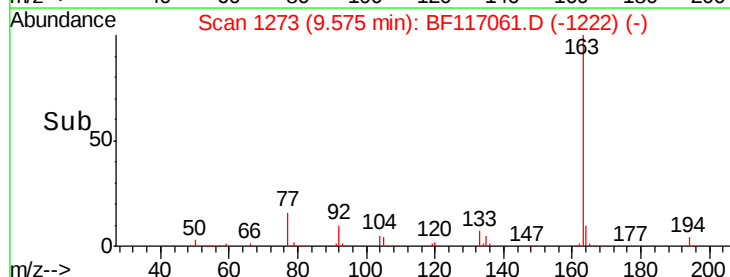
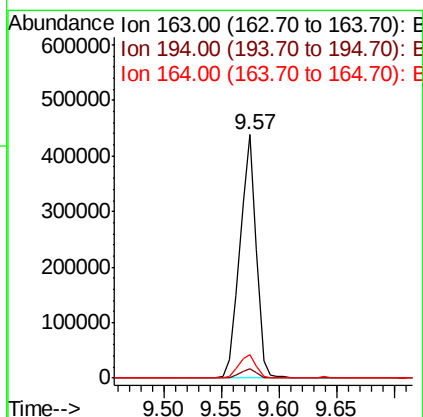
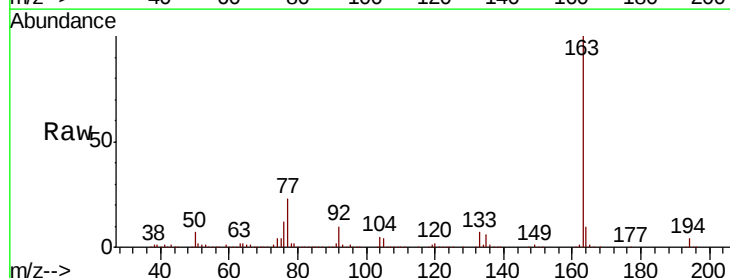
RT: 9.57 min Scan# 1273

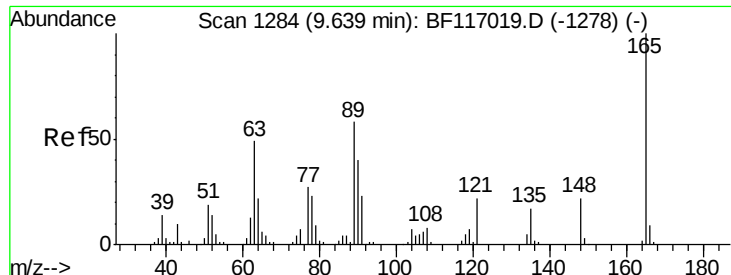
Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:	163	Resp:	429829
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.9	4.3
164	9.8	8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 50.394 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion:165 Resp: 83996

Ion Ratio Lower Upper

165 100

63 51.9 41.8 62.8

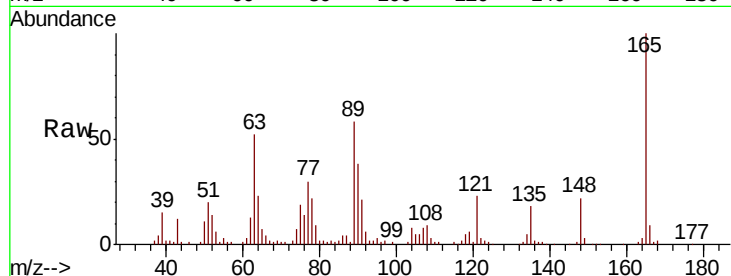
89 58.0 46.5 69.7

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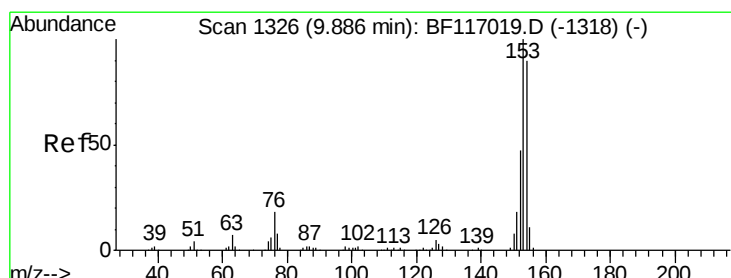
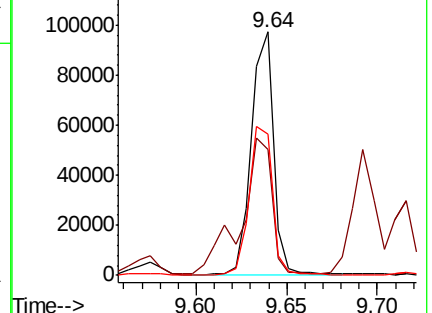
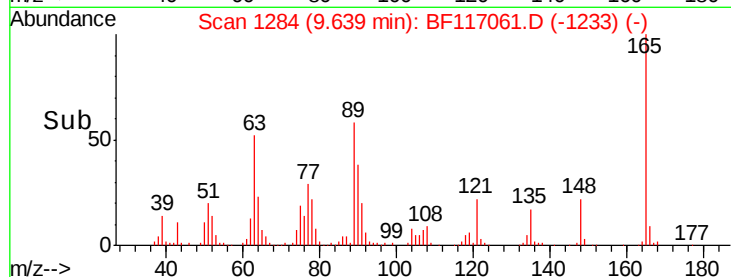
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.659 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

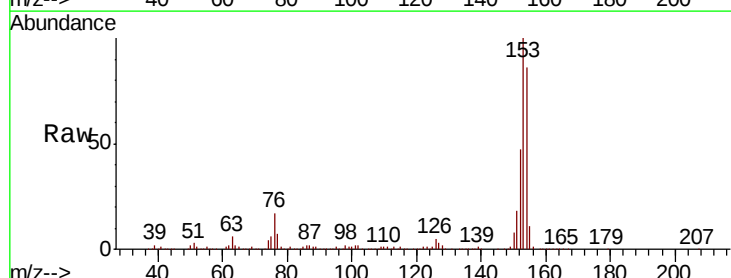
Tgt Ion:154 Resp: 283766

Ion Ratio Lower Upper

154 100

153 115.6 89.0 133.6

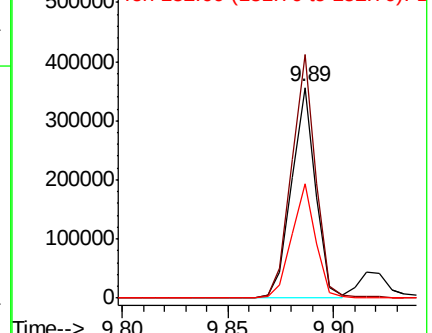
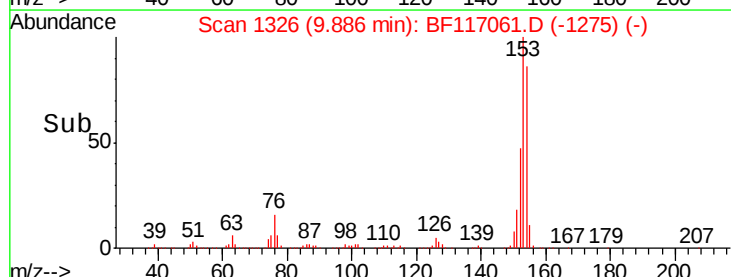
152 54.3 41.9 62.9

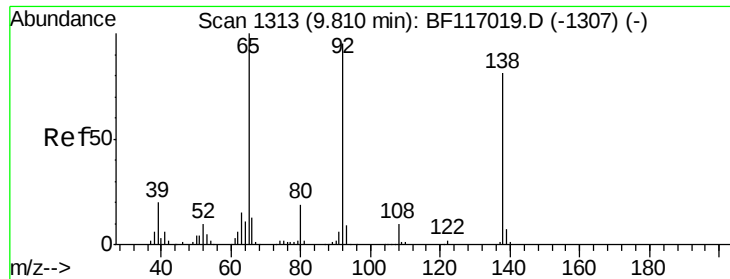


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





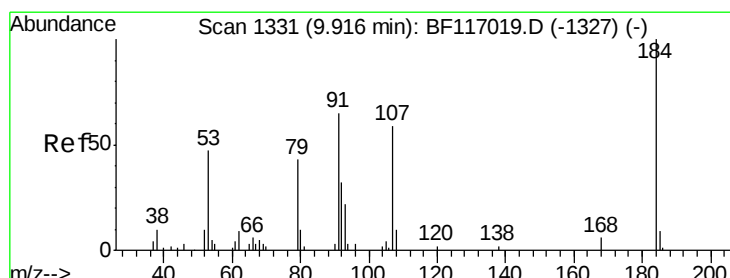
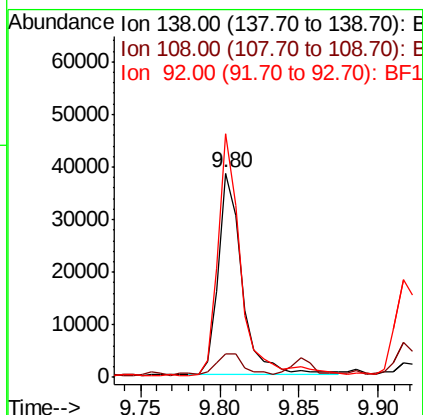
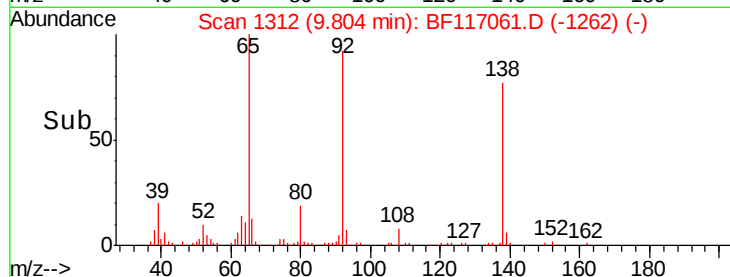
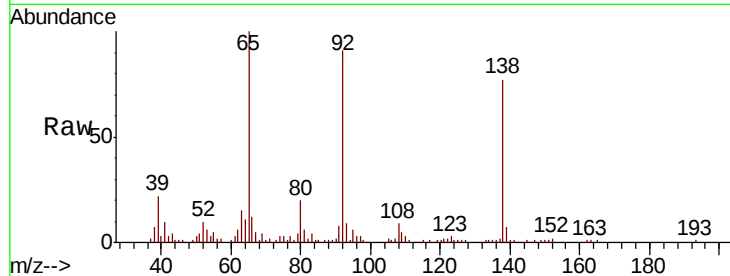
#53
3-Nitroaniline
Concen: 18.975 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.5	14.3
92	119.1	94.1	141.1

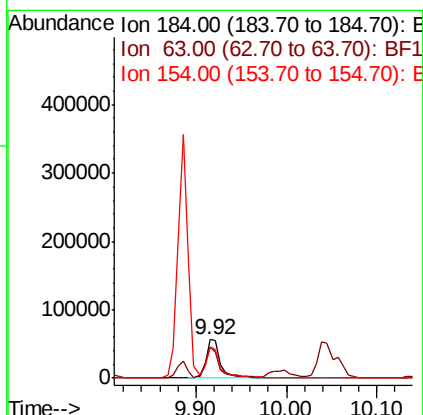
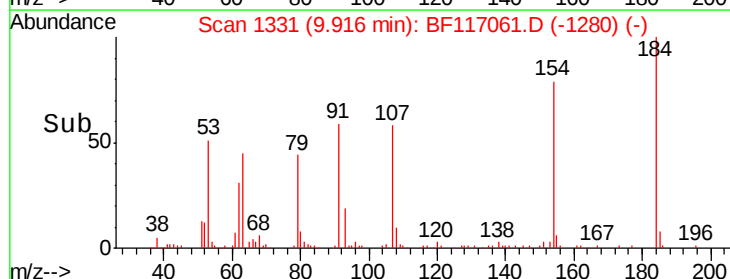
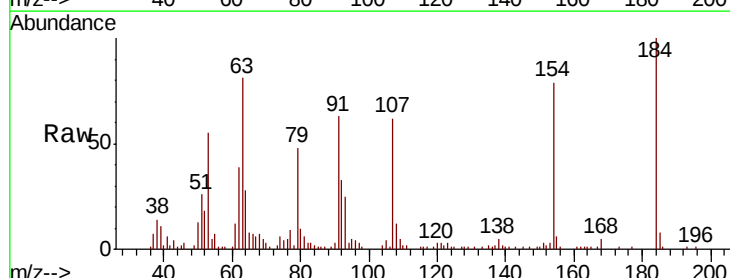
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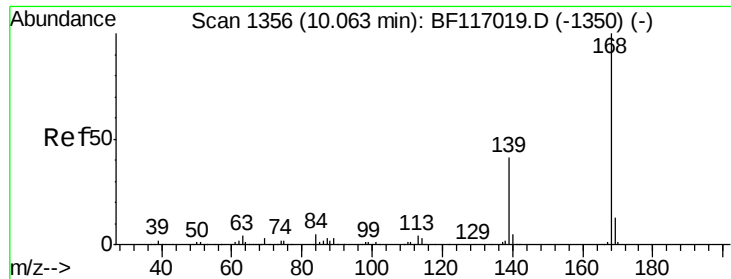
mohammad
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#54
2,4-Dinitrophenol
Concen: 90.210 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
184	100		
63	80.7	63.8	95.6
154	79.0	60.4	90.6





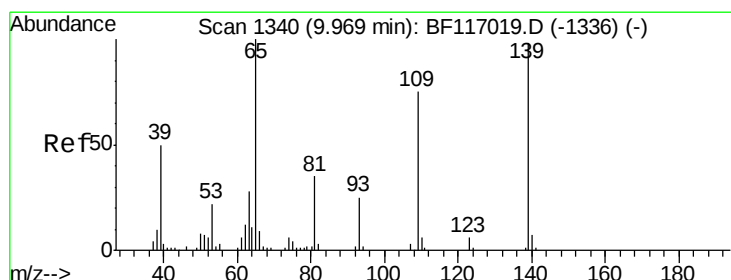
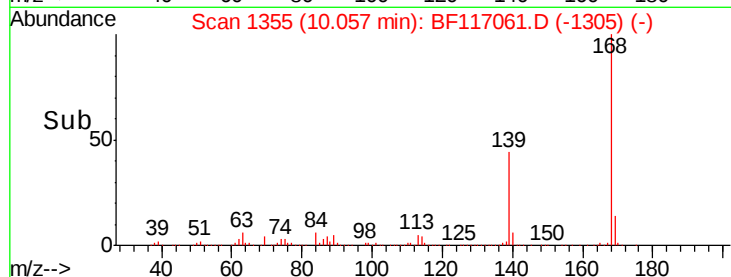
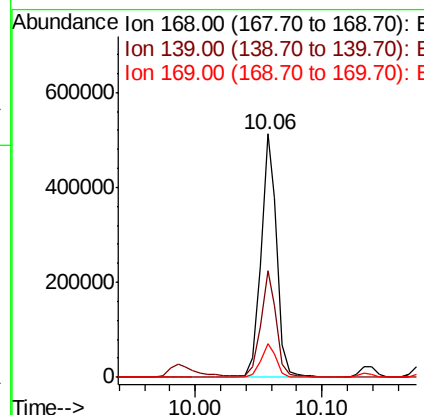
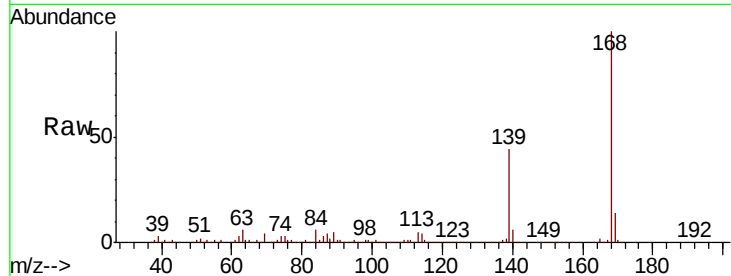
#55
Dibenzenofuran
Concen: 47.797 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	44.0	32.8	49.2
169	13.8	10.5	15.7

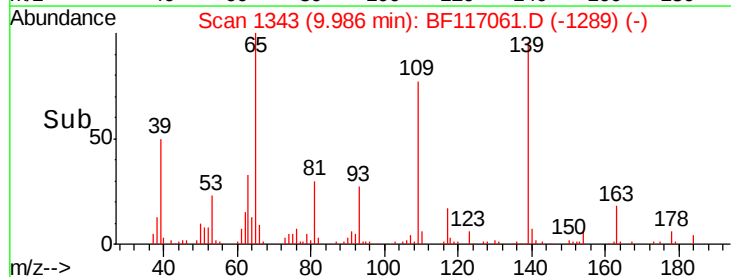
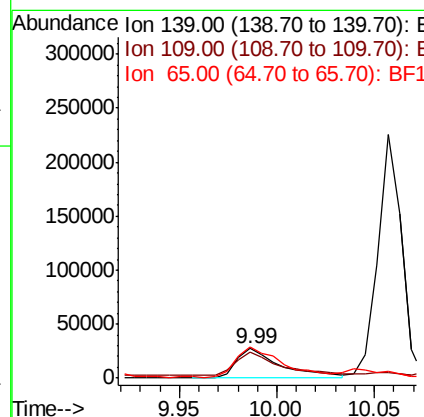
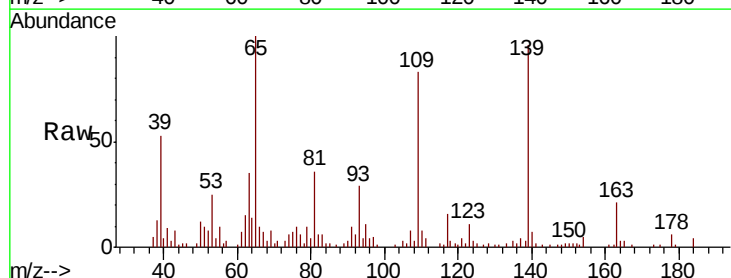
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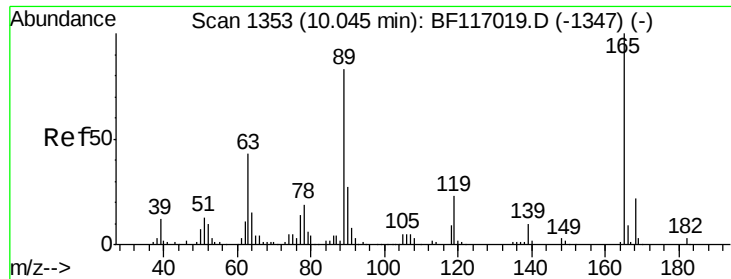
mohammad
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#56
4-Nitrophenol
Concen: 30.808 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.1	56.4	96.4
65	104.4	82.5	122.5





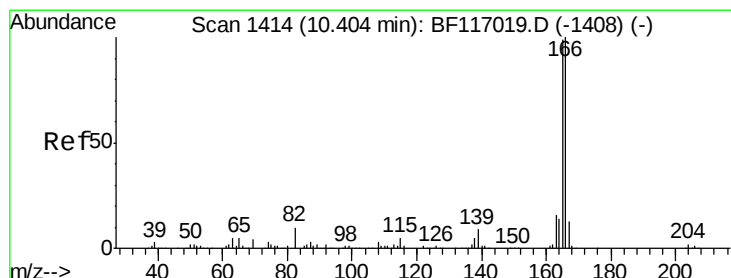
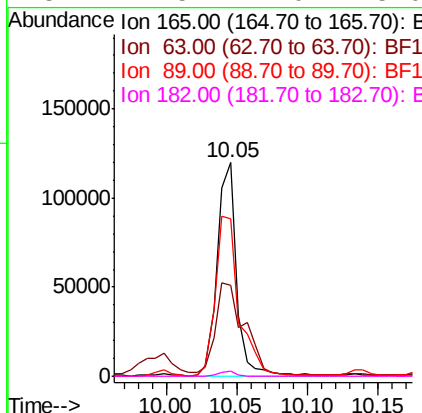
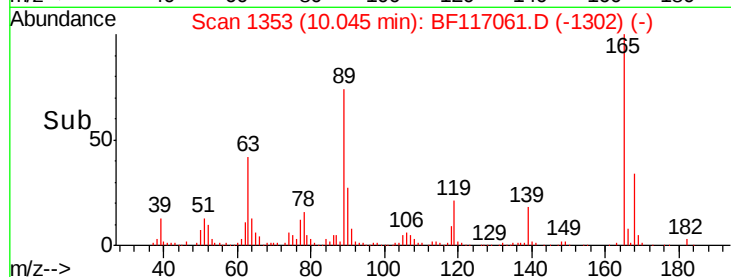
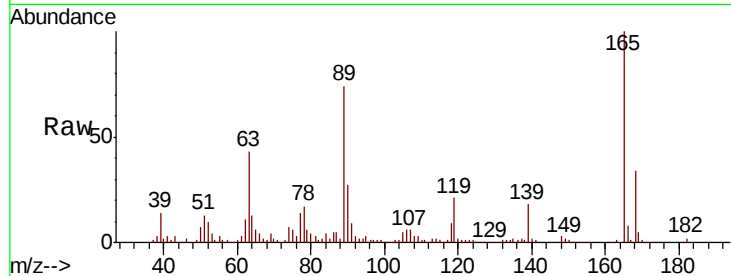
#57
2,4-Dinitrotoluene
Concen: 52.857 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	42.7	35.0	52.4
89	73.7	66.1	99.1
182	2.5	2.0	3.0

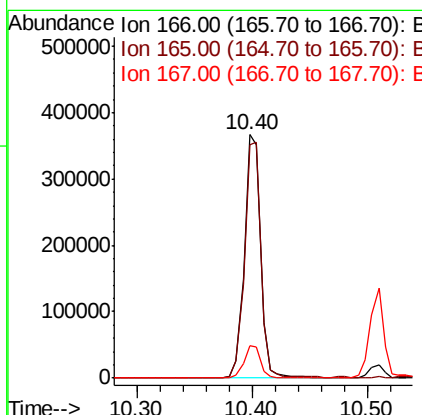
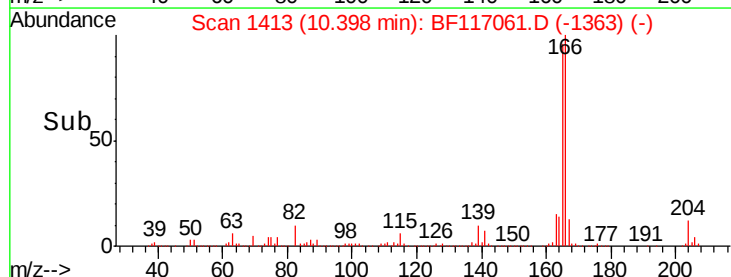
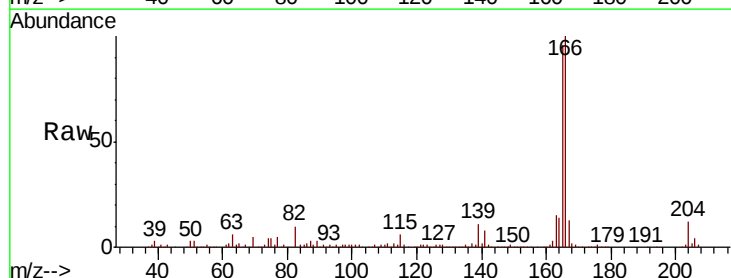
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#58
Fluorene
Concen: 47.457 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.9	118.3
167	13.4	10.6	15.8





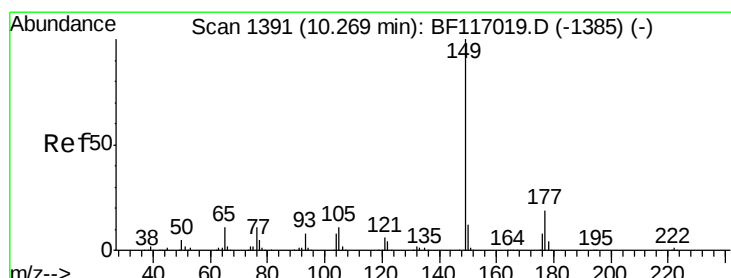
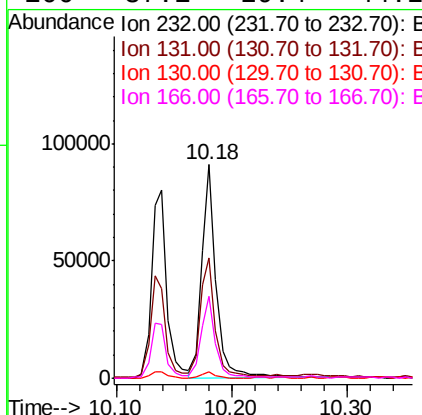
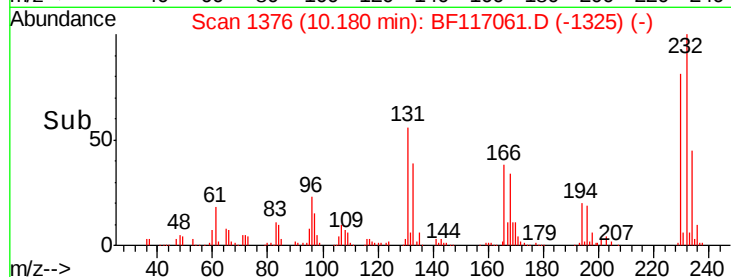
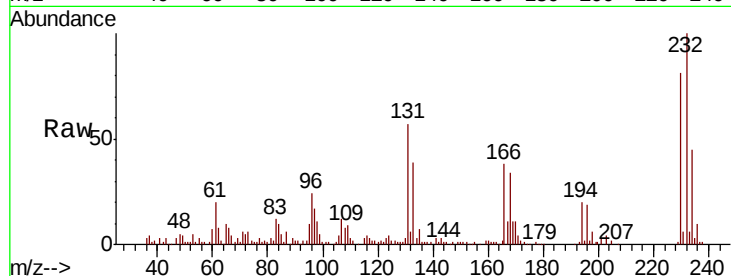
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.885 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	55.7	45.3	67.9
130	3.2	1.8	2.8
166	37.1	29.4	44.2

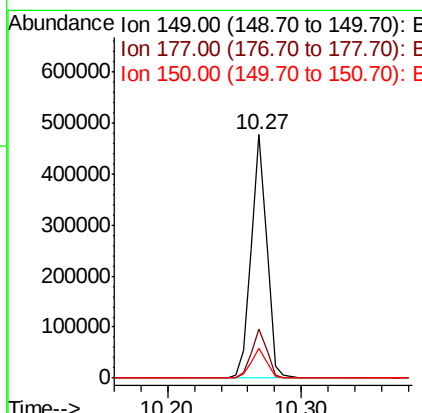
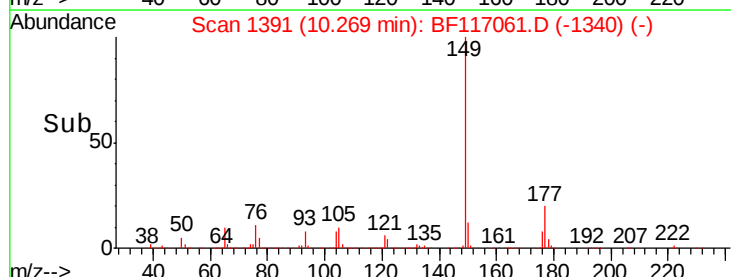
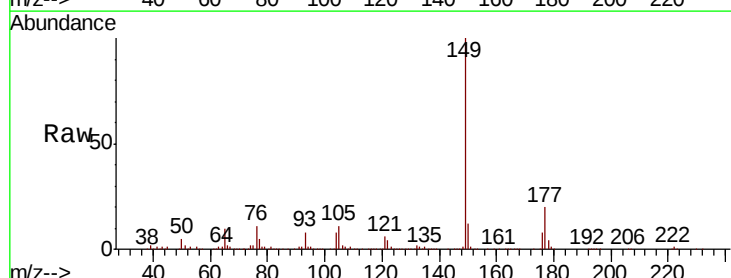
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#60
 Diethylphthalate
 Concen: 46.521 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.9	15.2	22.8
150	12.0	9.9	14.9





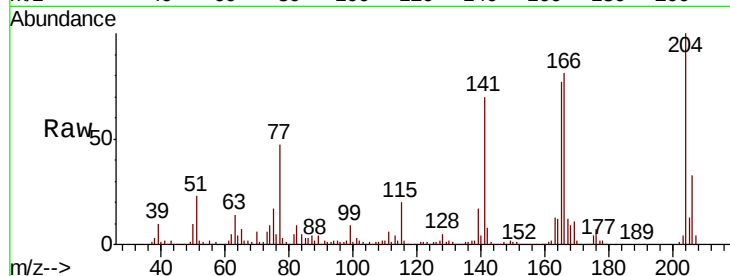
#61
4-Chlorophenyl-phenylether
Concen: 47.024 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	153648		
206	32.5	26.0	39.0	
141	69.5	58.2	87.2	

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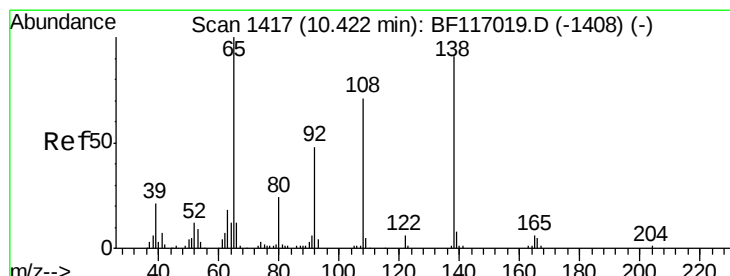
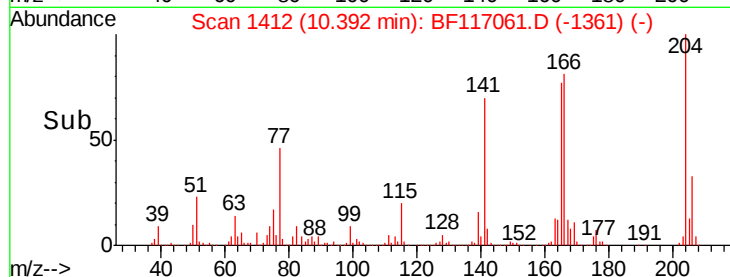
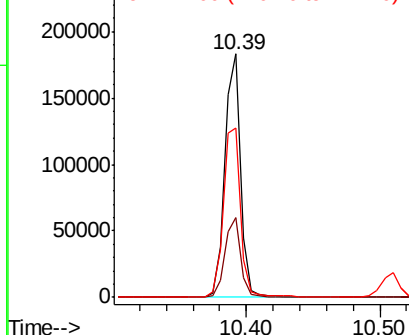


Abundance

Ion 204.00 (203.70 to 204.70): E

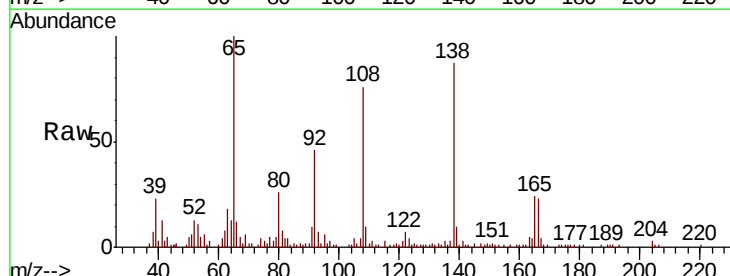
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 26.178 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	57251		
92	52.2	32.9	72.9	
108	87.4	58.3	98.3	

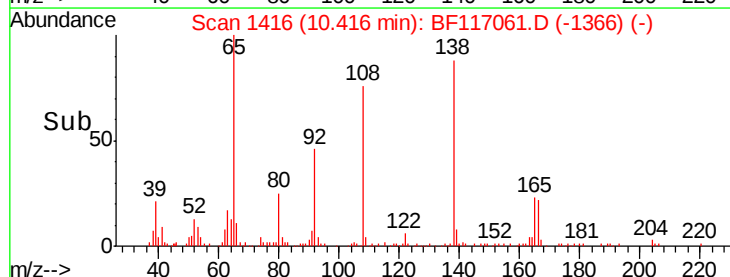
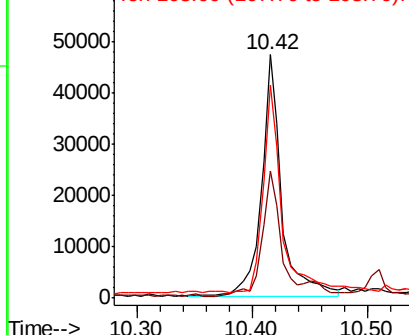


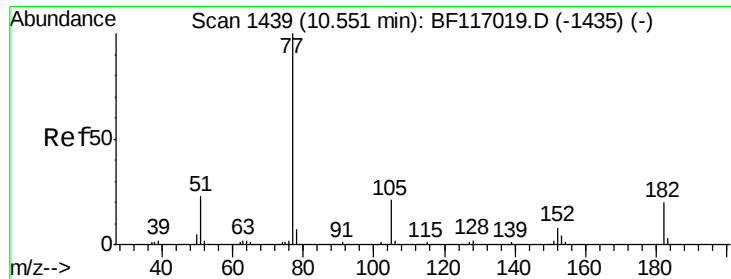
Abundance

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





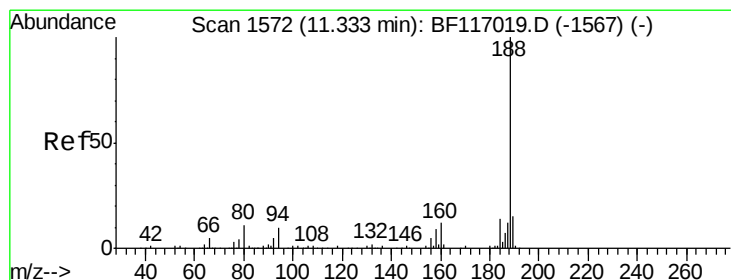
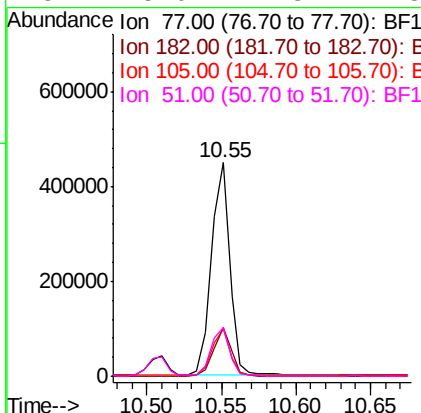
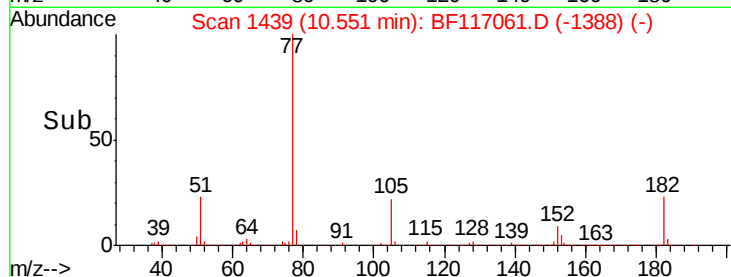
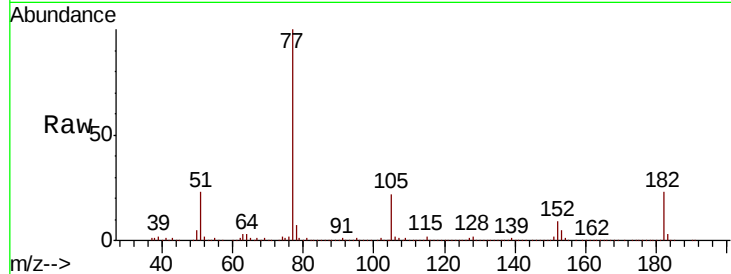
#63
Azobenzene
Concen: 46.548 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		382775		
182	22.8	0.4	40.4		
105	22.4	0.9	40.9		
51	23.0	2.8	42.8		

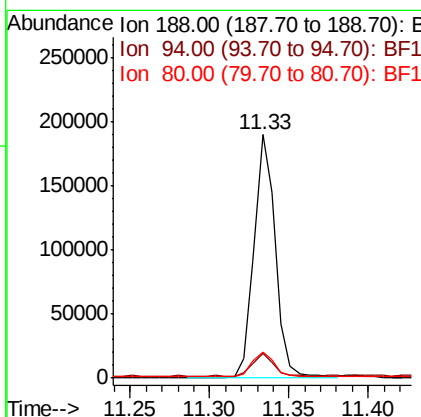
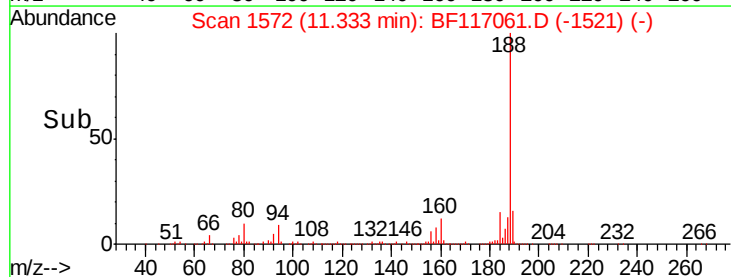
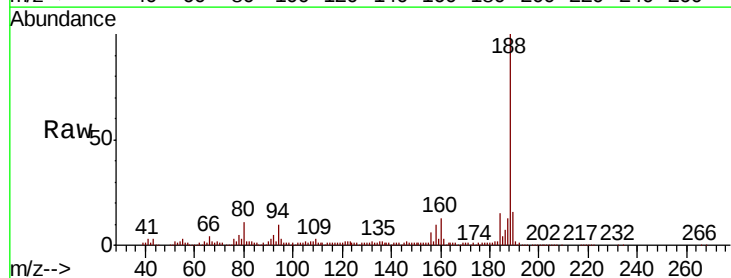
Manual Integrations
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		179519		
94	10.3	8.2	12.2		
80	10.8	9.0	13.6		





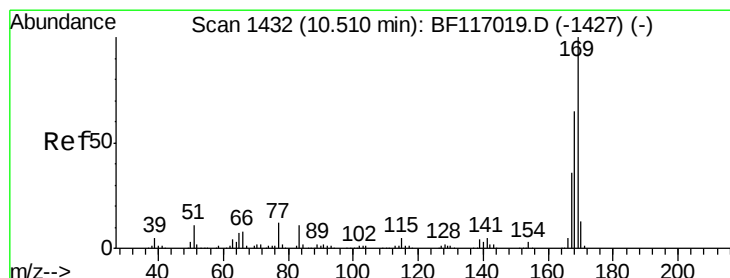
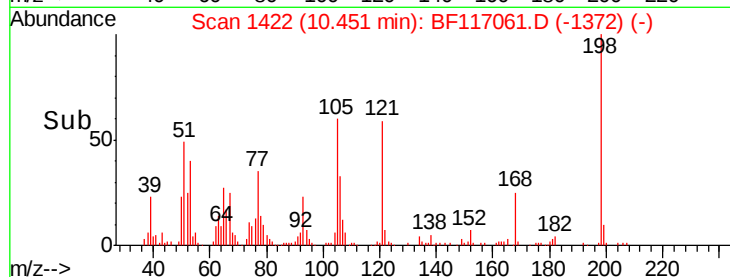
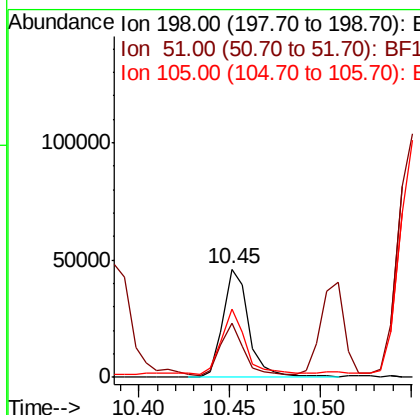
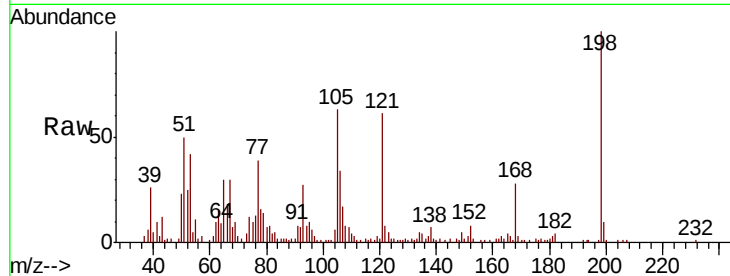
#65
 4,6-Dinitro-2-methylphenol
 Concen: 55.361 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	50.4	18.7	58.7
105	63.0	30.2	70.2

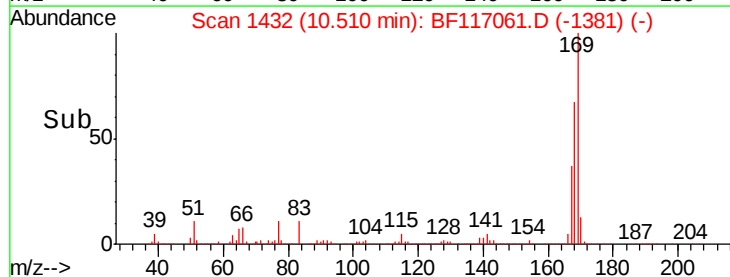
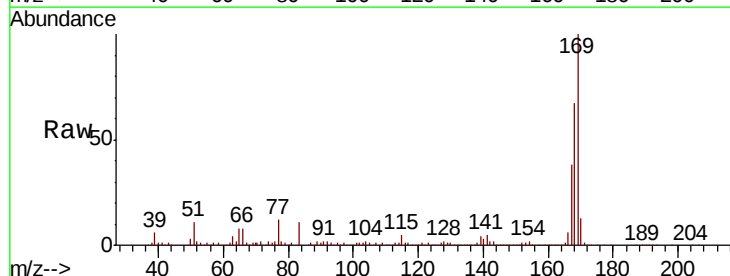
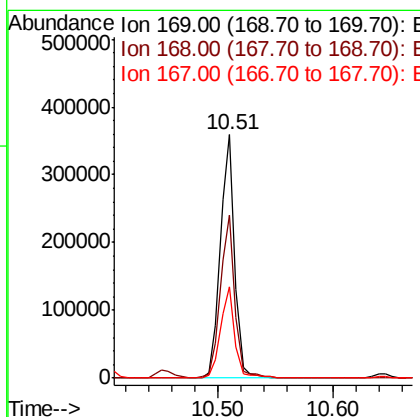
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#66
 n-Nitrosodiphenylamine
 Concen: 49.473 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.2	78.2
167	37.5	28.8	43.2





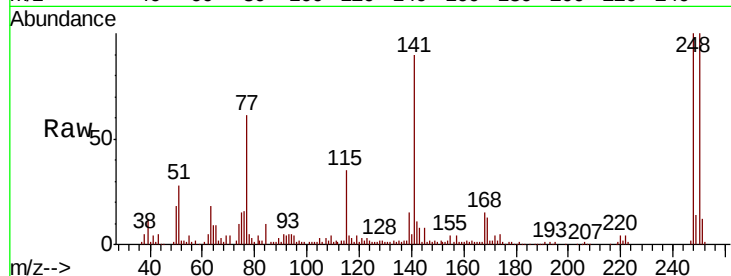
#67
 4-Bromophenyl-phenylether
 Concen: 47.854 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MS

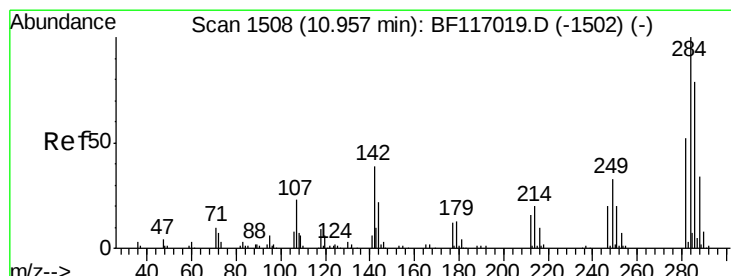
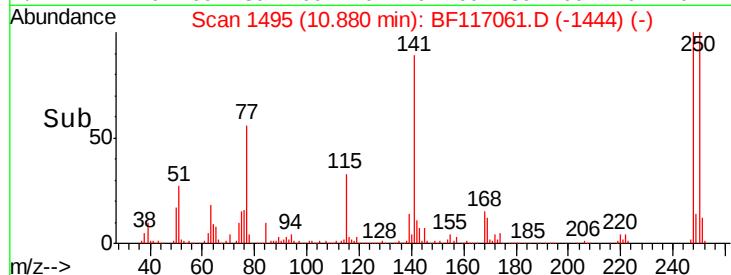
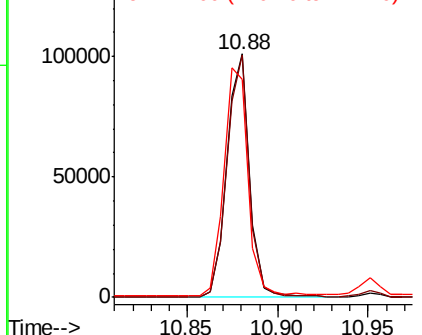
Tot Ion:	248	Resp:	87731
Ion Ratio	Lower	Upper	
248	100		
250	99.8	76.2	114.4
141	89.7	75.0	112.4

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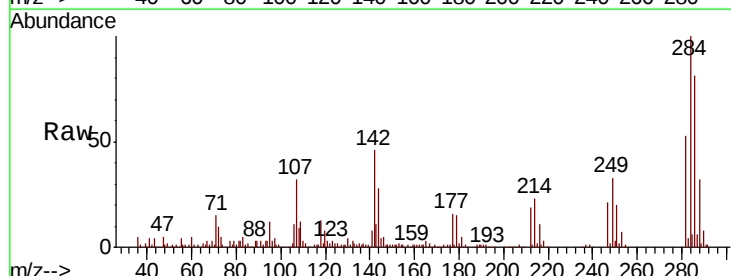


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

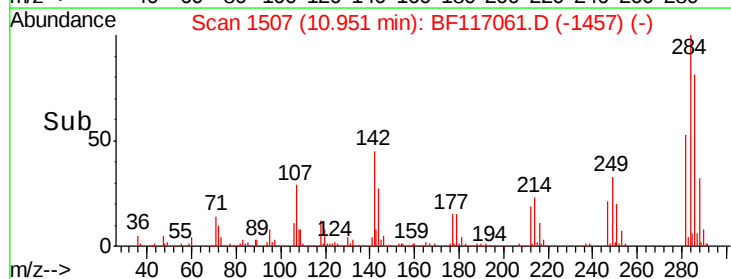
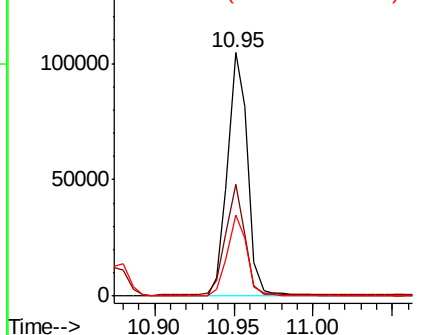


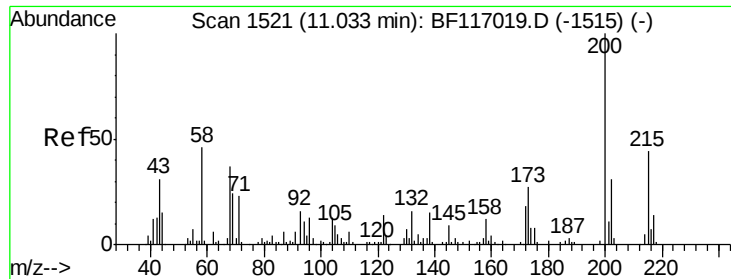
#68
 Hexachlorobenzene
 Concen: 46.203 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion:	284	Resp:	92646
Ion Ratio	Lower	Upper	
284	100		
142	45.8	31.4	47.2
249	33.4	26.5	39.7



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





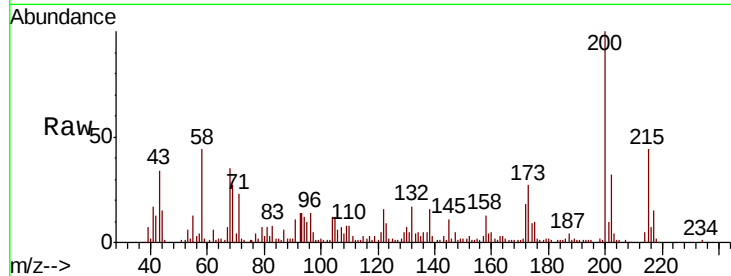
#69
Atrazine
Concen: 43.869 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.9	46.9
215	43.7	23.8	63.8

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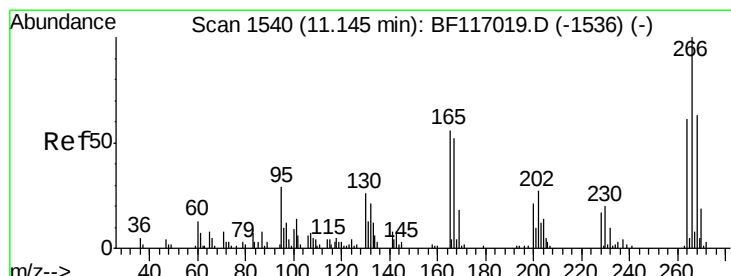
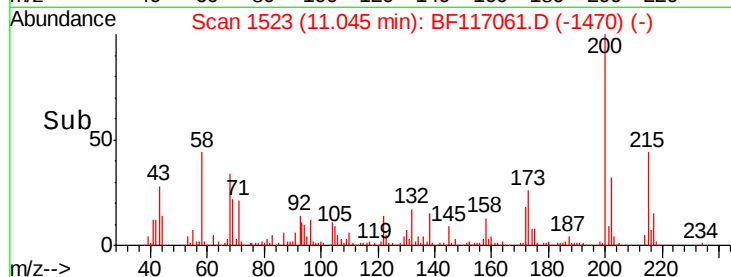
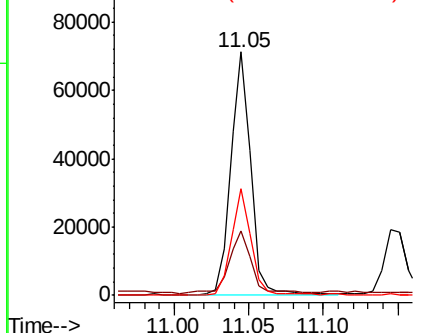


Abundance

Ion 200.00 (199.70 to 200.70): E

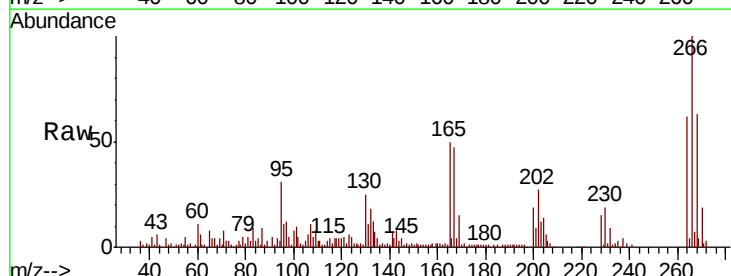
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 114.197 ng
RT: 11.15 min Scan# 1541
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.5	75.7
264	62.5	48.8	73.2

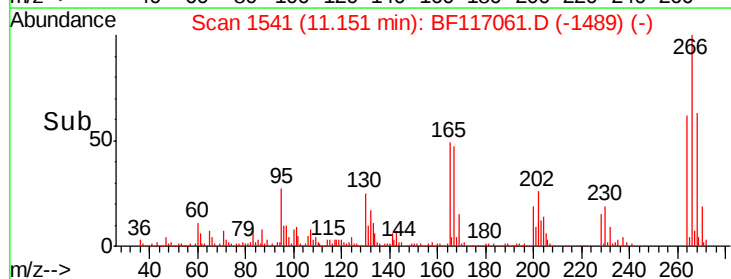
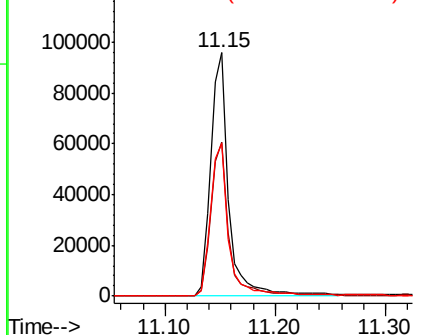


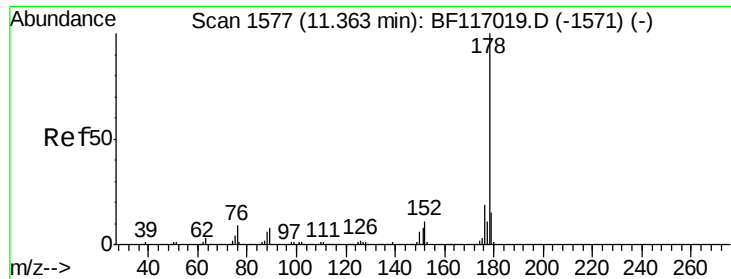
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





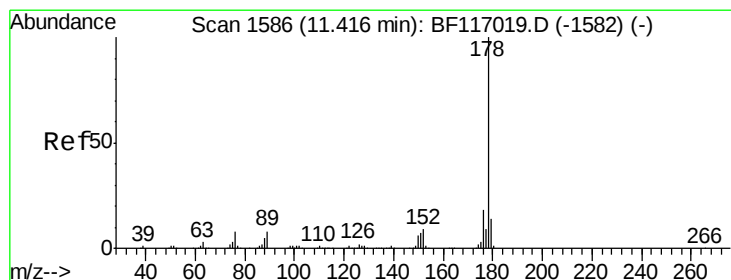
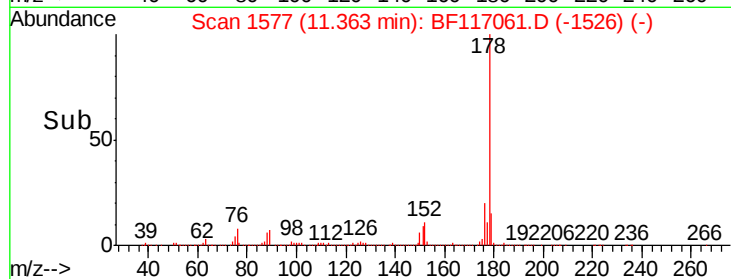
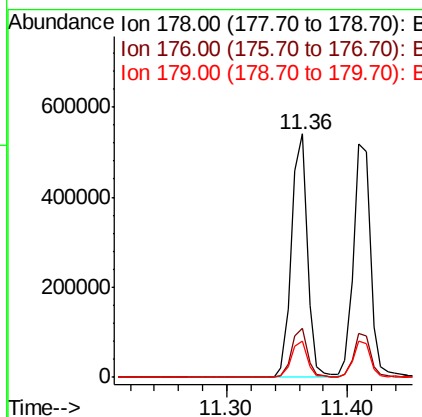
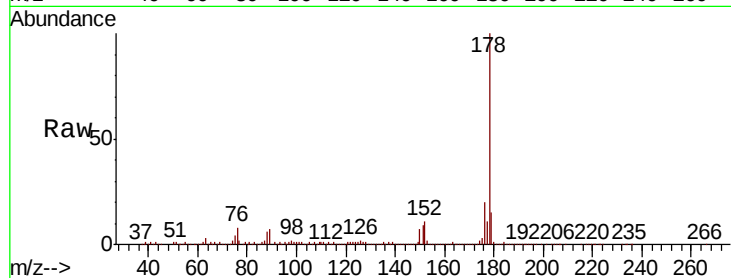
#71
Phenanthrene
Concen: 47.753 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	14.9	12.4	18.6

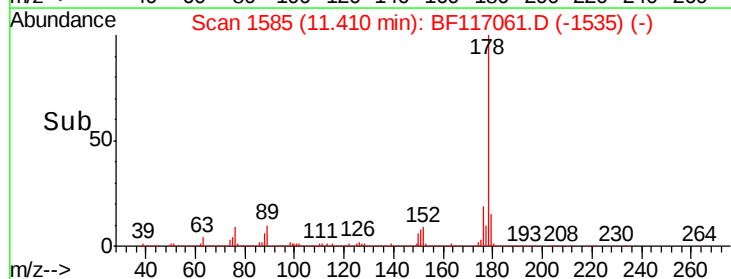
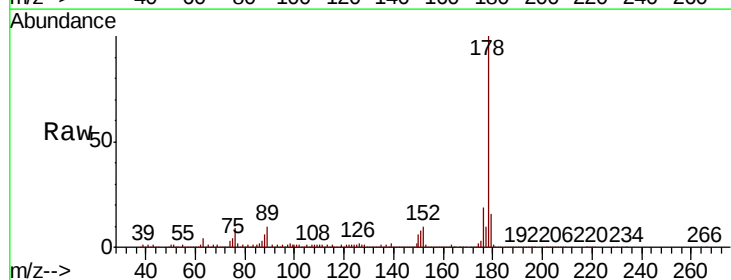
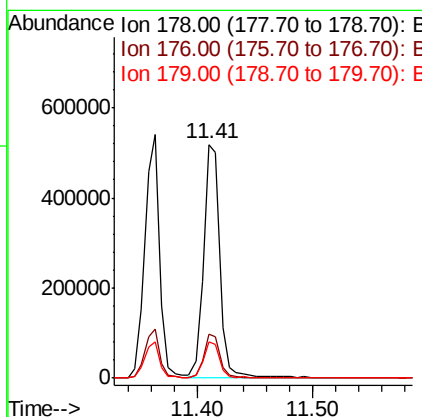
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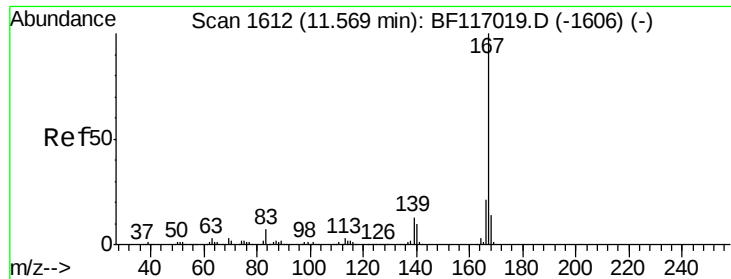
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#72
Anthracene
Concen: 48.829 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	15.6	11.6	17.4





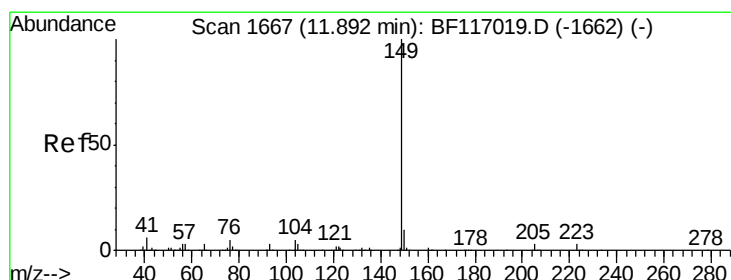
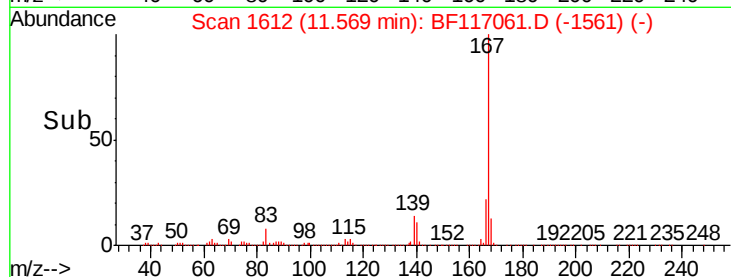
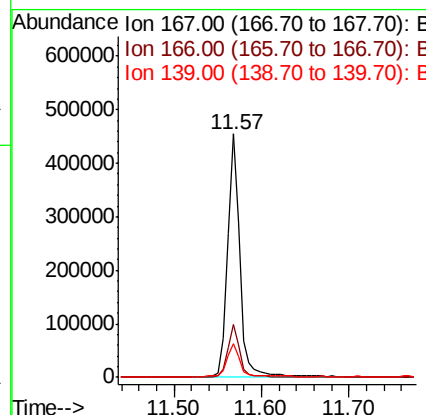
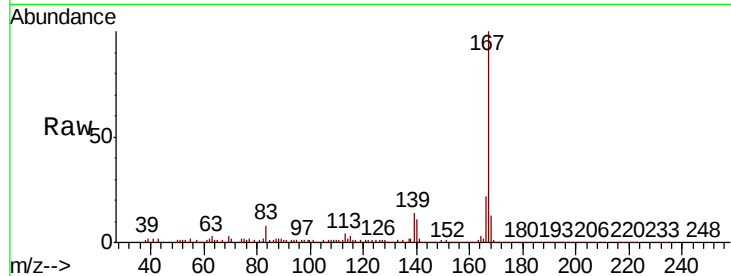
#73
 Carbazole
 Concen: 44.774 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	14.0	10.6	16.0

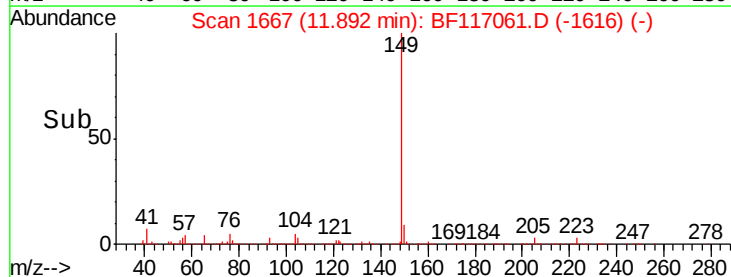
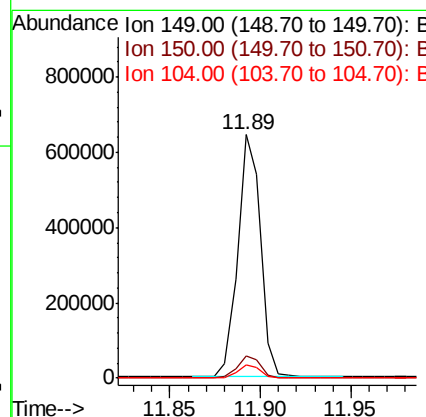
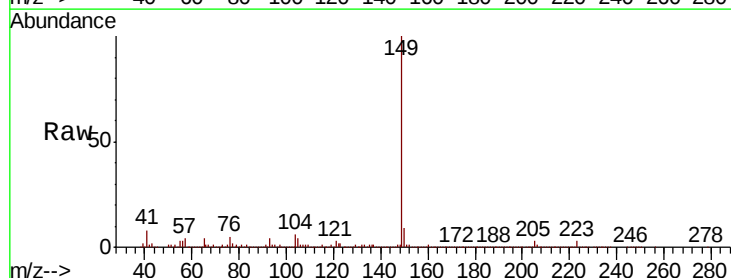
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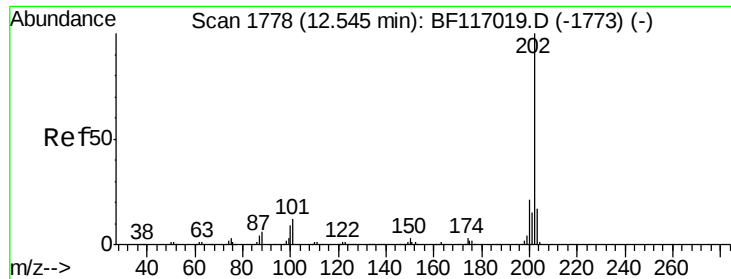
mohammad
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#74
 Di-n-butylphthalate
 Concen: 47.663 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	5.5	4.2	6.4





#75

Fluoranthene

Concen: 42.854 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

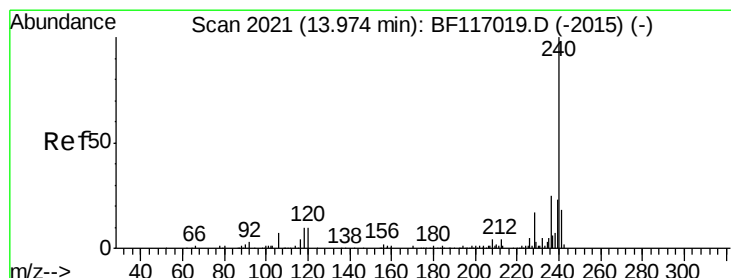
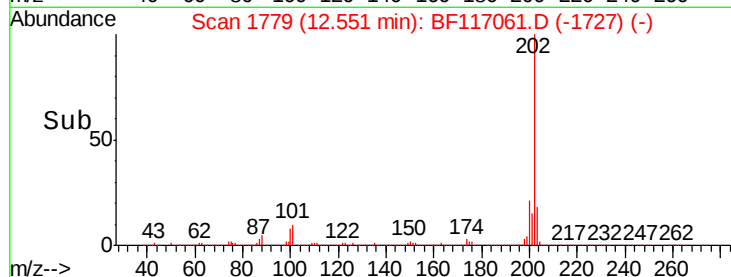
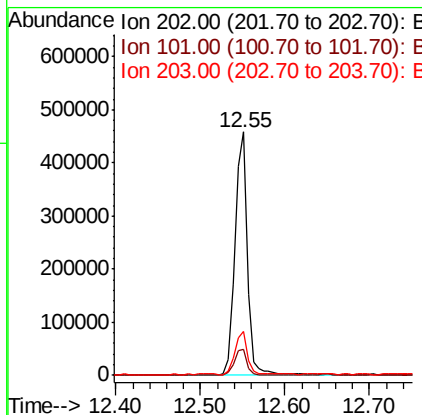
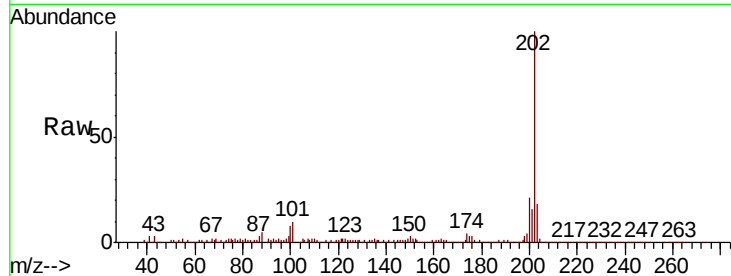
ClientSampleId :

VE-4-11MS

Tot Ion:	202	Resp:	448985
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.3
203	17.8	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

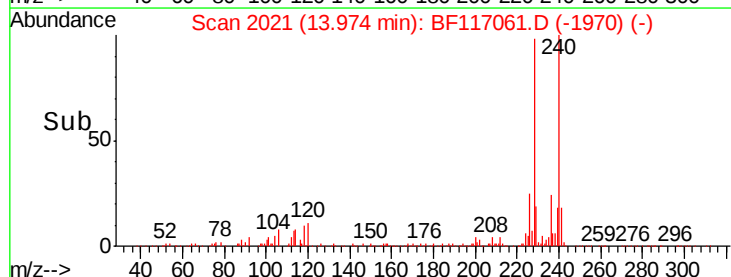
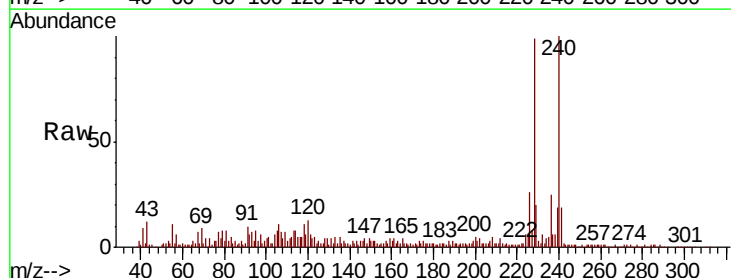
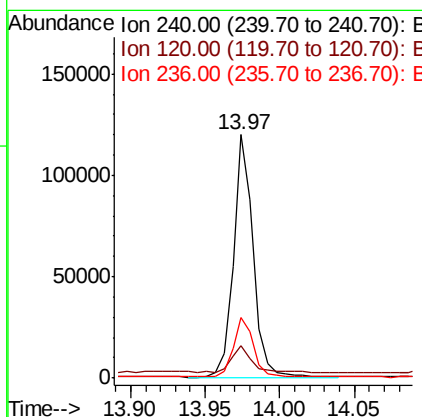
RT: 13.97 min Scan# 2021

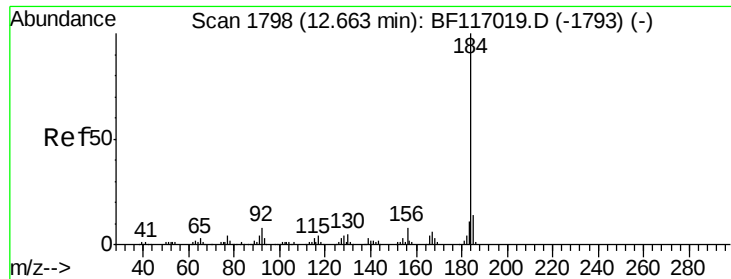
Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:	240	Resp:	111188
Ion Ratio	Lower	Upper	
240	100		
120	13.4	8.3	12.5#
236	25.0	20.3	30.5





#77

Benzidine

Concen: 0.259 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

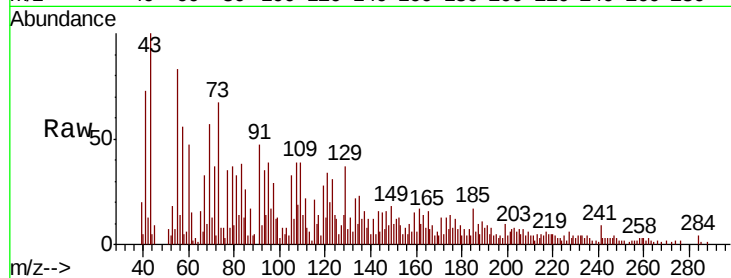
ClientSampleId :

VE-4-11MS

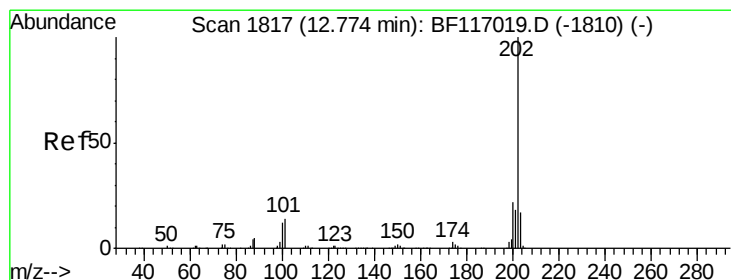
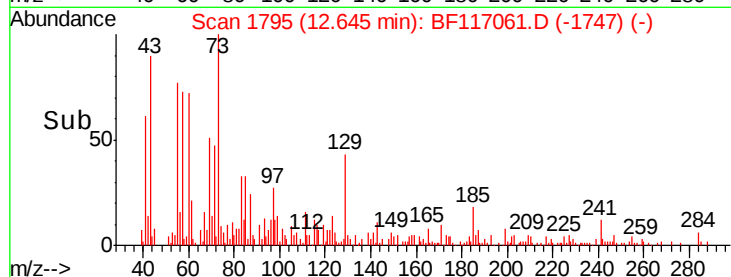
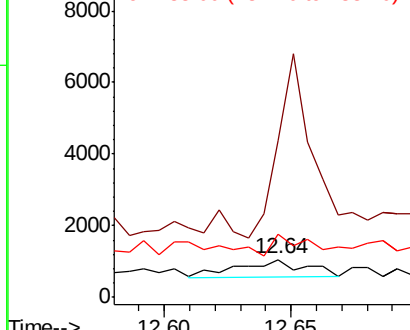
Tot Ion:	184	Resp:	927
Ion Ratio	Lower	Upper	
184	100		
185	416.4	11.6	17.4#
183	166.4	9.0	13.4#

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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: 47.600 ng

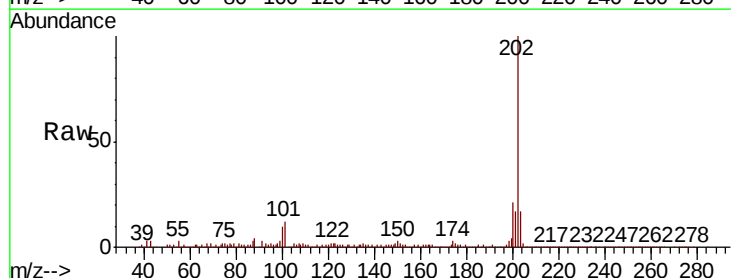
RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

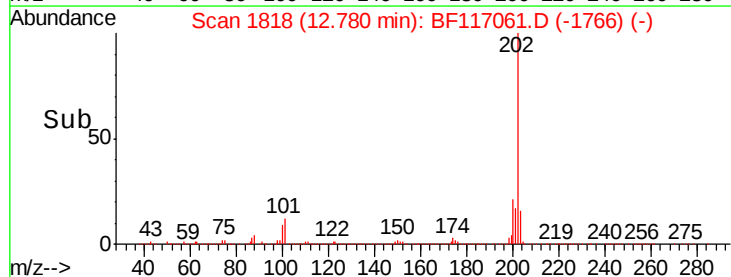
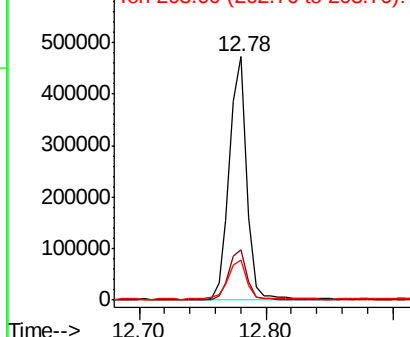
Lab File: BF117061.D

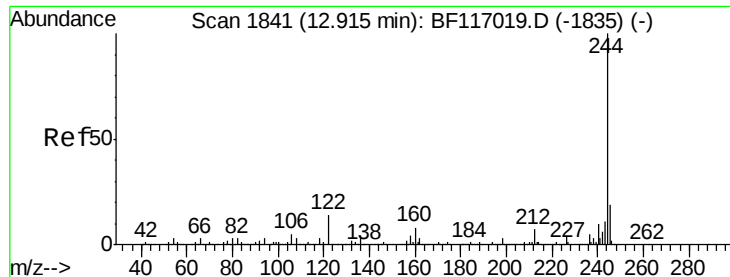
Acq: 16 Sep 2019 14:24

Tgt Ion:	202	Resp:	444088
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.2	25.8
203	16.6	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





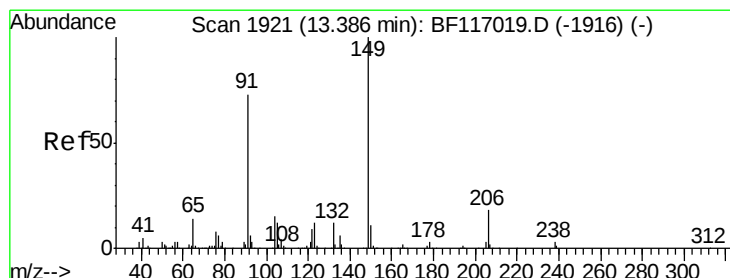
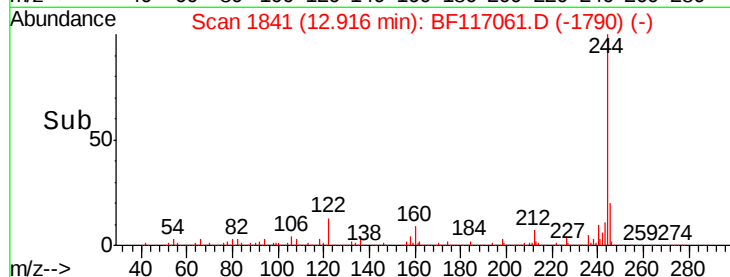
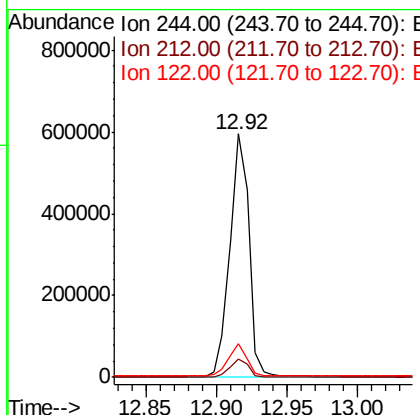
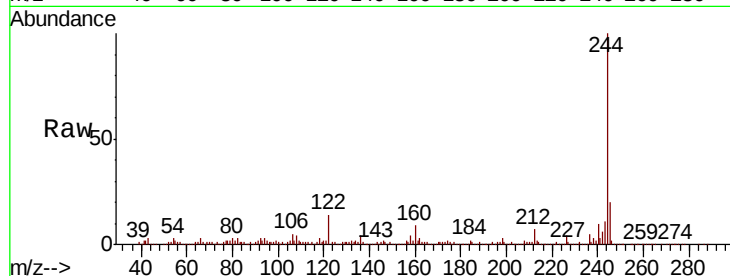
#79
 Terphenyl-d14
 Concen: 94.733 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	14.0	11.3	16.9

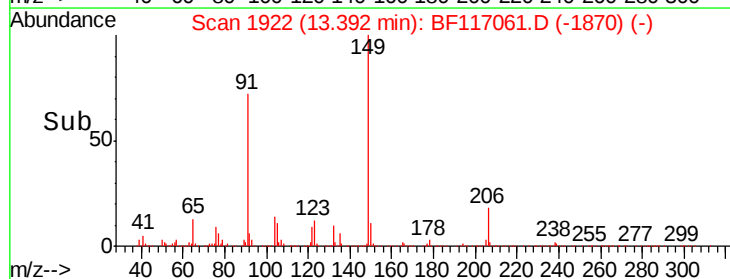
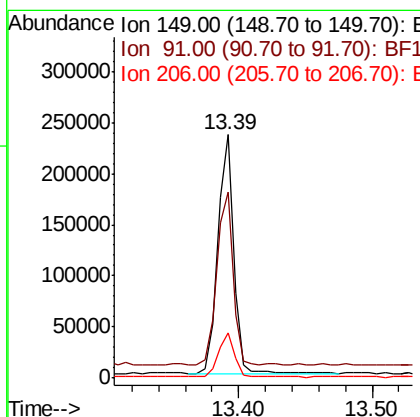
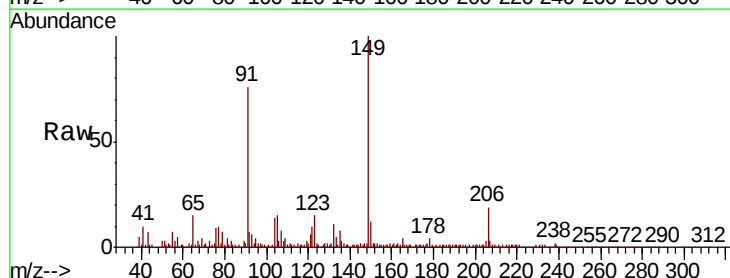
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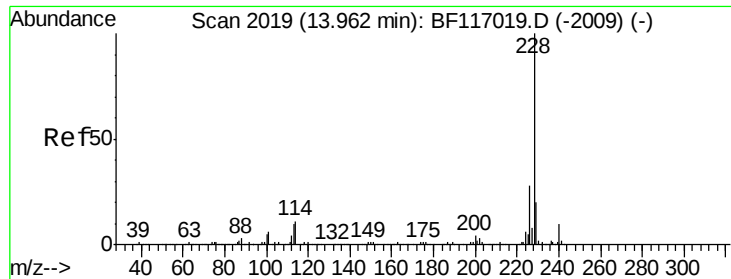
mohammad
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#80
 Butylbenzylphthalate
 Concen: 44.337 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: BF117061.D
 Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.3	58.8	88.2
206	18.8	14.1	21.1





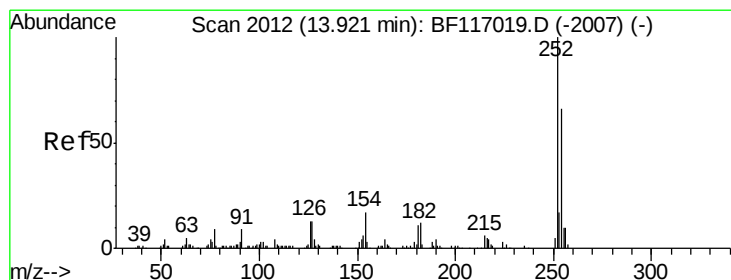
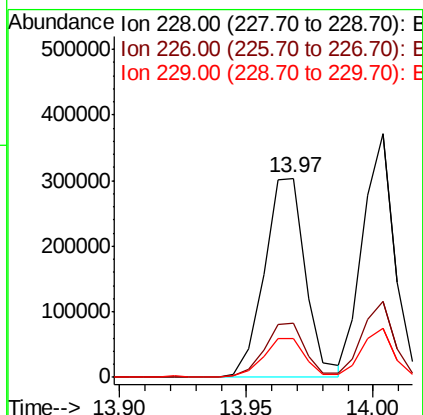
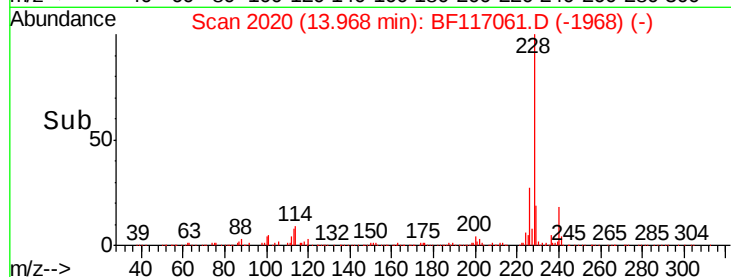
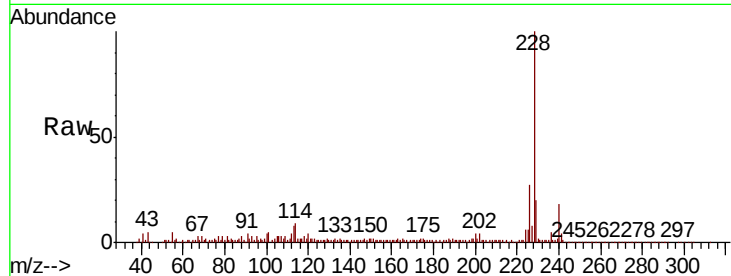
#81
Benzo(a)anthracene
Concen: 45.888 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampled :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	19.7	15.9	23.9

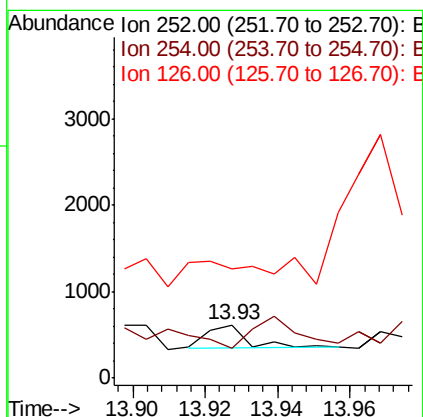
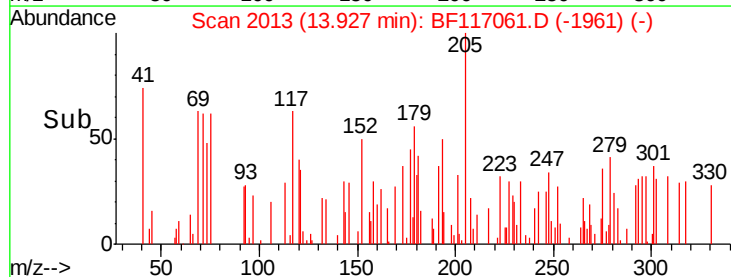
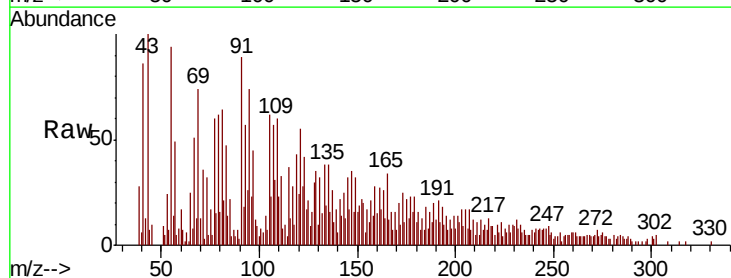
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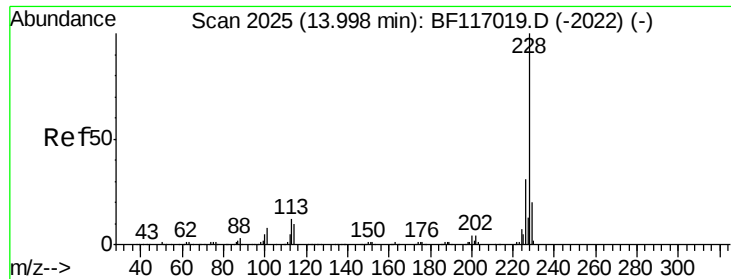
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#82
3,3'-Dichlorobenzidine
Concen: 0.091 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
254	56.1	52.6	79.0
126	204.2	10.4	15.6#





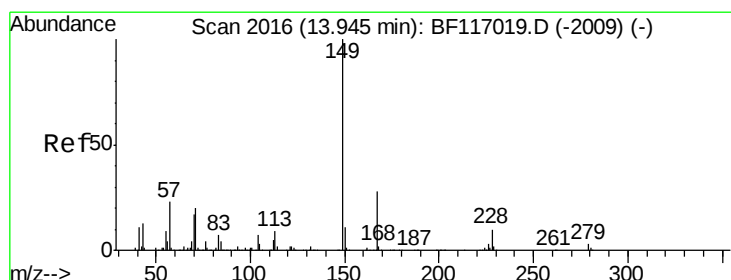
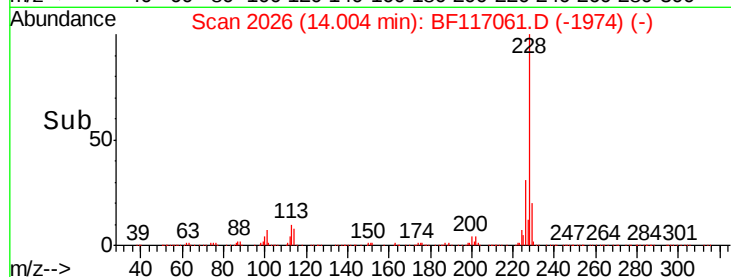
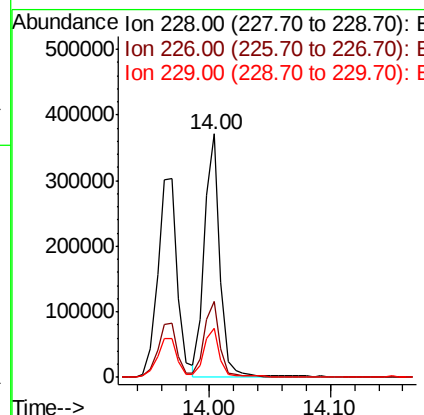
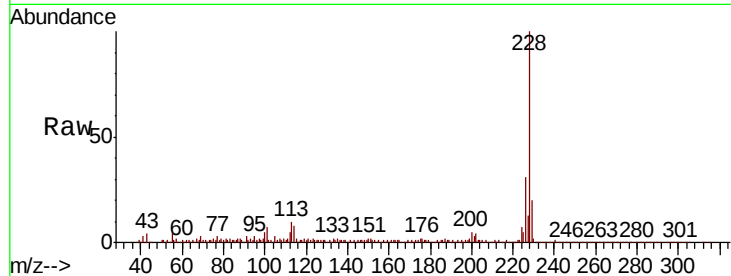
#83
Chrysene
Concen: 45.256 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.8	37.2
229	20.0	15.8	23.8

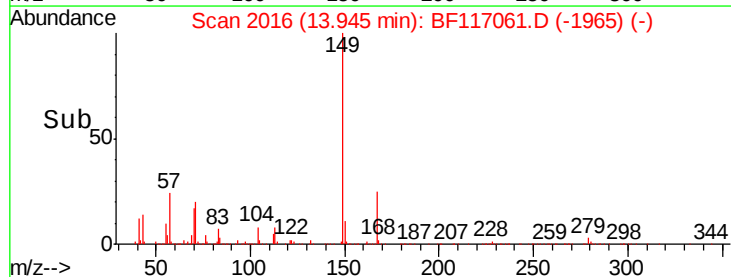
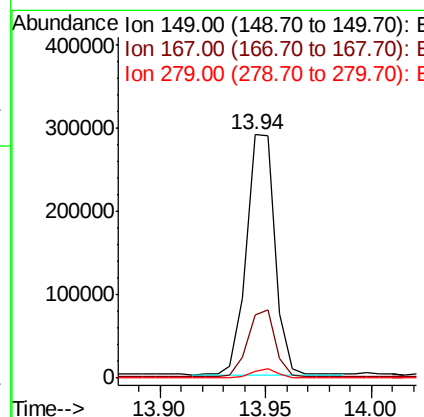
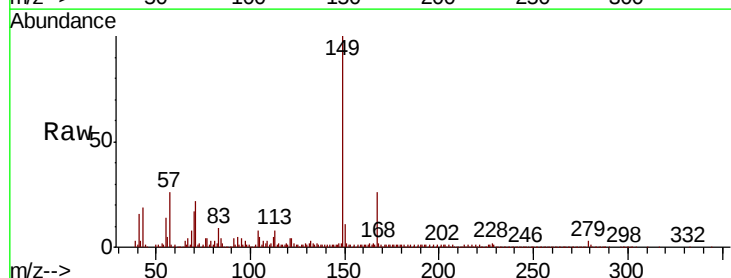
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.176 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.2	33.2
279	2.9	2.8	4.2





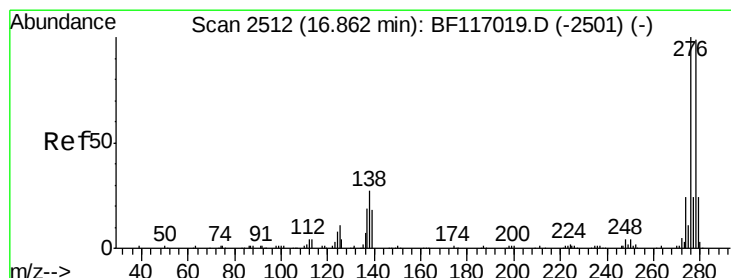
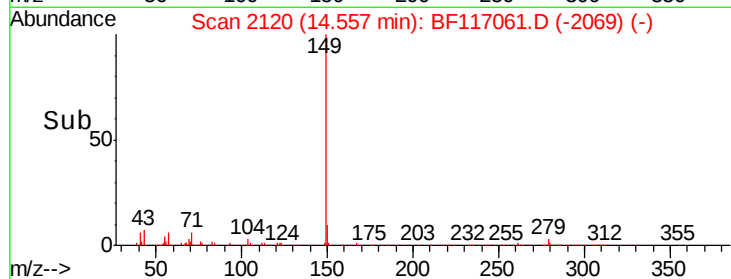
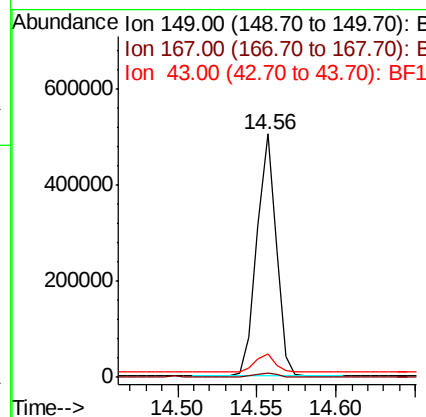
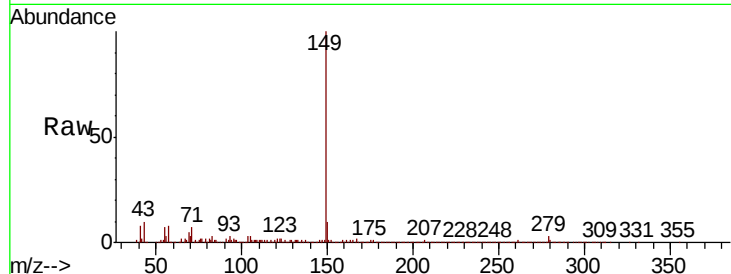
#85
Di-n-octyl phthalate
Concen: 48.114 ng
RT: 14.56 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	430430		
167	1.8		1.2	1.8
43	7.8		6.2	9.4

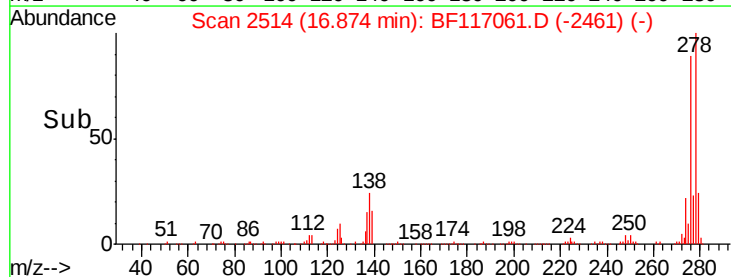
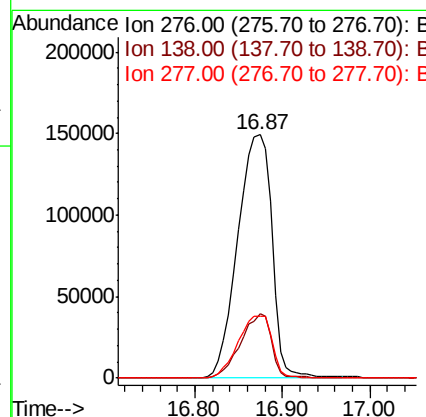
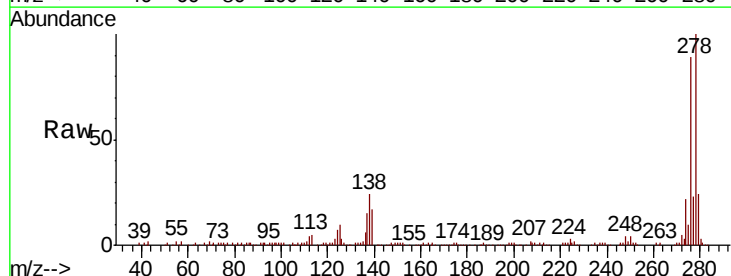
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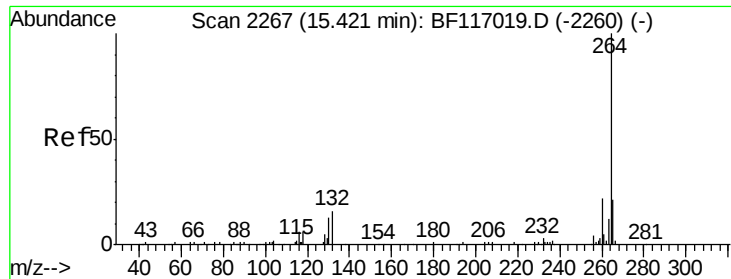
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#86
Indeno(1,2,3-cd)pyrene
Concen: 74.949 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	396170		
138	23.8		20.7	31.1
277	25.7		19.8	29.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

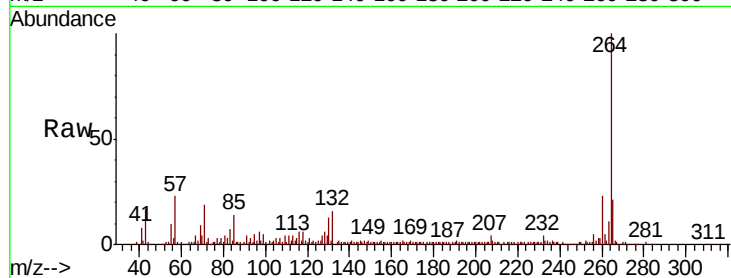
ClientSampled :

VE-4-11MS

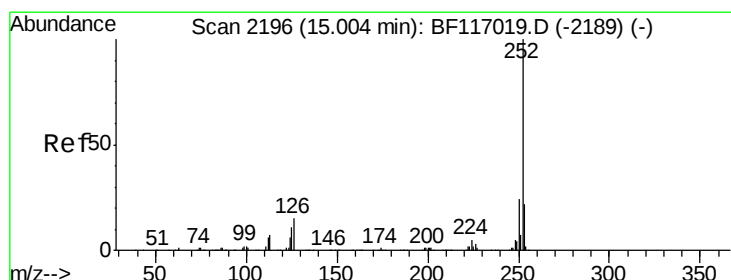
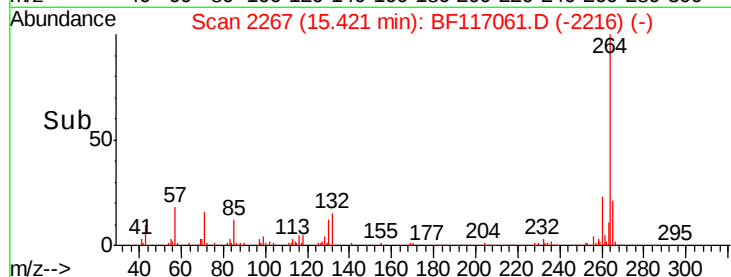
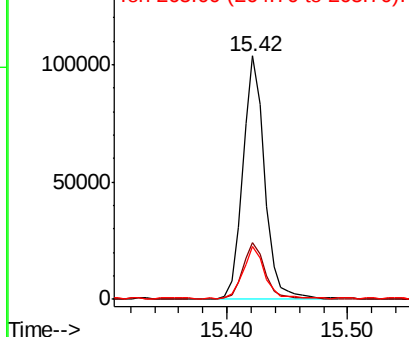
Tot Ion:	264	Resp:	131445
Ion Ratio	Lower	Upper	
264	100		
260	23.1	17.6	26.4
265	21.5	16.6	24.8

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 43.286 ng

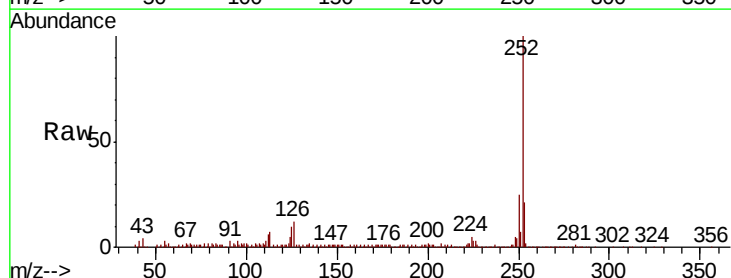
RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

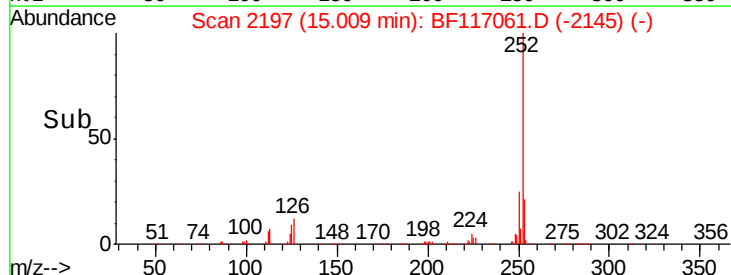
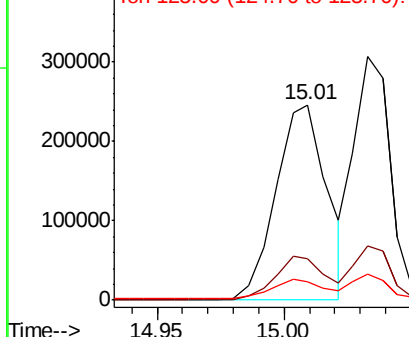
Lab File: BF117061.D

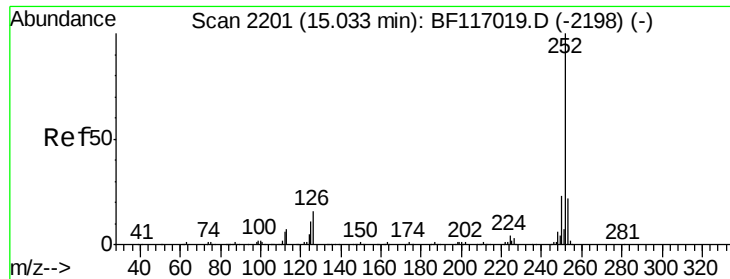
Acq: 16 Sep 2019 14:24

Tgt Ion:	252	Resp:	344645
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.6	26.4
125	9.7	8.6	12.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





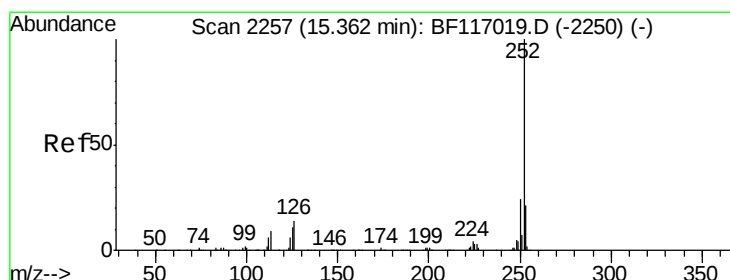
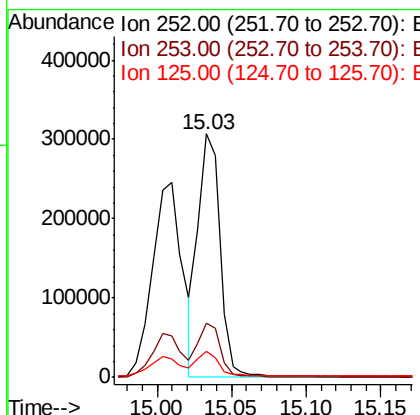
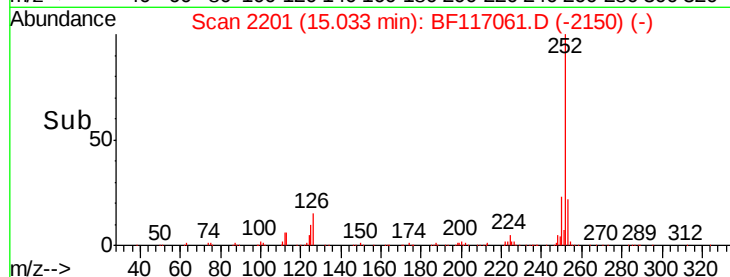
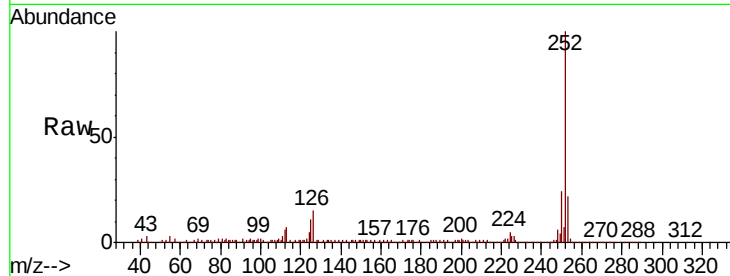
#89
Benzo(k)fluoranthene
Concen: 41.332 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	10.9	8.8	13.2

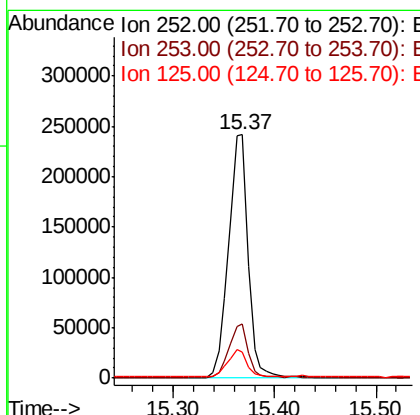
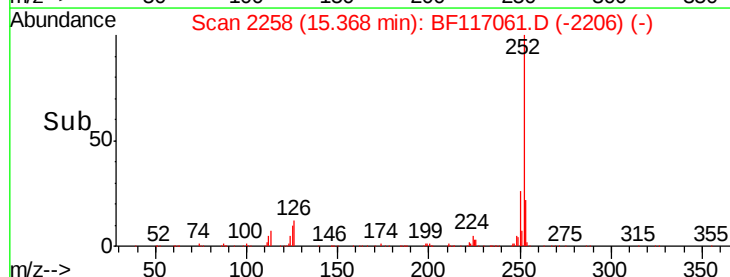
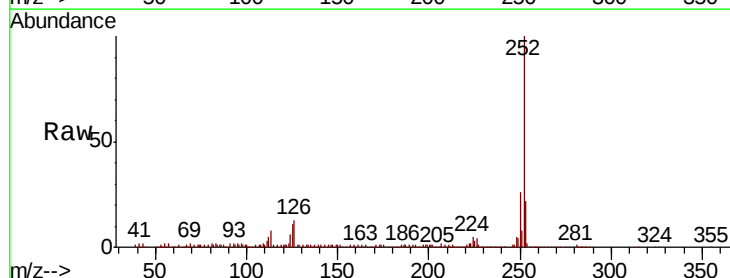
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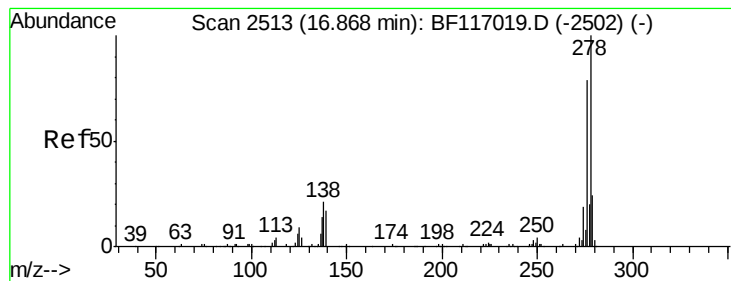
mohammad
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#90
Benzo(a)pyrene
Concen: 46.456 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117061.D
Acq: 16 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.6	25.0
125	10.8	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 60.109 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA_F

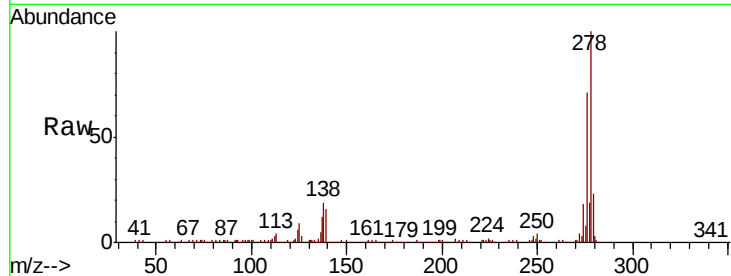
ClientSampled :

VE-4-11MS

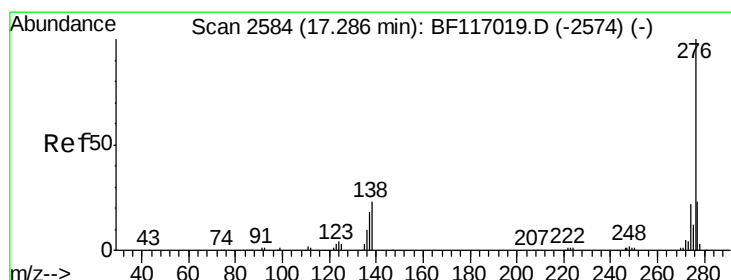
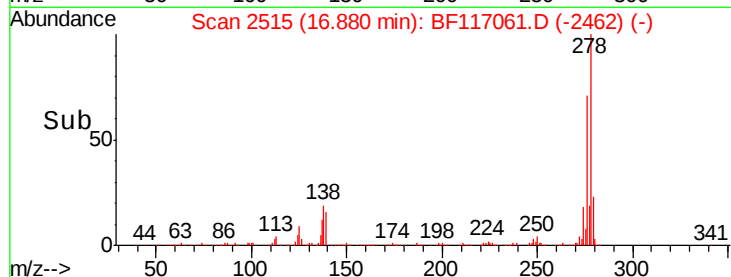
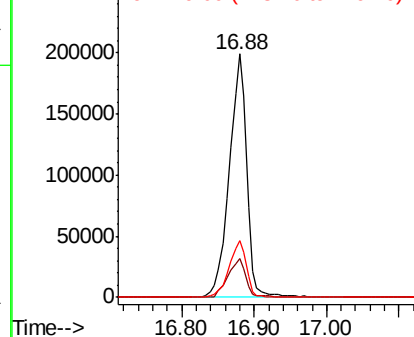
Tot Ion:	278	Resp:	334563
Ion Ratio	Lower	Upper	
278	100		
139	16.0	13.5	20.3
279	23.1	18.8	28.2

Manual Integrations
APPROVED

mohammad
9/17/2019 1:25:33 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 60.336 ng

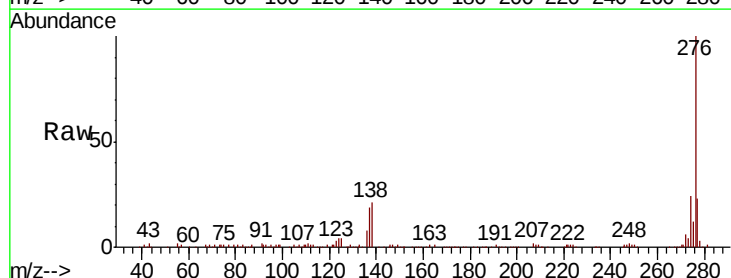
RT: 17.30 min Scan# 2587

Delta R.T. 0.02 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:	276	Resp:	334652
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	27.8
138	21.2	18.0	27.0



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

