

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117914.D
 Acq On : 21 Nov 2019 16:06
 Operator : JU
 Sample : K5937-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

Quant Time: Nov 22 00:22:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	155382	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	616308	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	337153	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	646596	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	451214	20.00	ng	-0.01
87) Perylene-d12	15.62	264	512071	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	650116	74.06	ng	0.00
7) Phenol-d6	6.53	99	974777	92.07	ng	-0.01
23) Nitrobenzene-d5	7.47	82	608163	58.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	305209	85.51	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1222589	65.06	ng	-0.01
79) Terphenyl-d14	13.05	244	1423200	57.65	ng	0.00

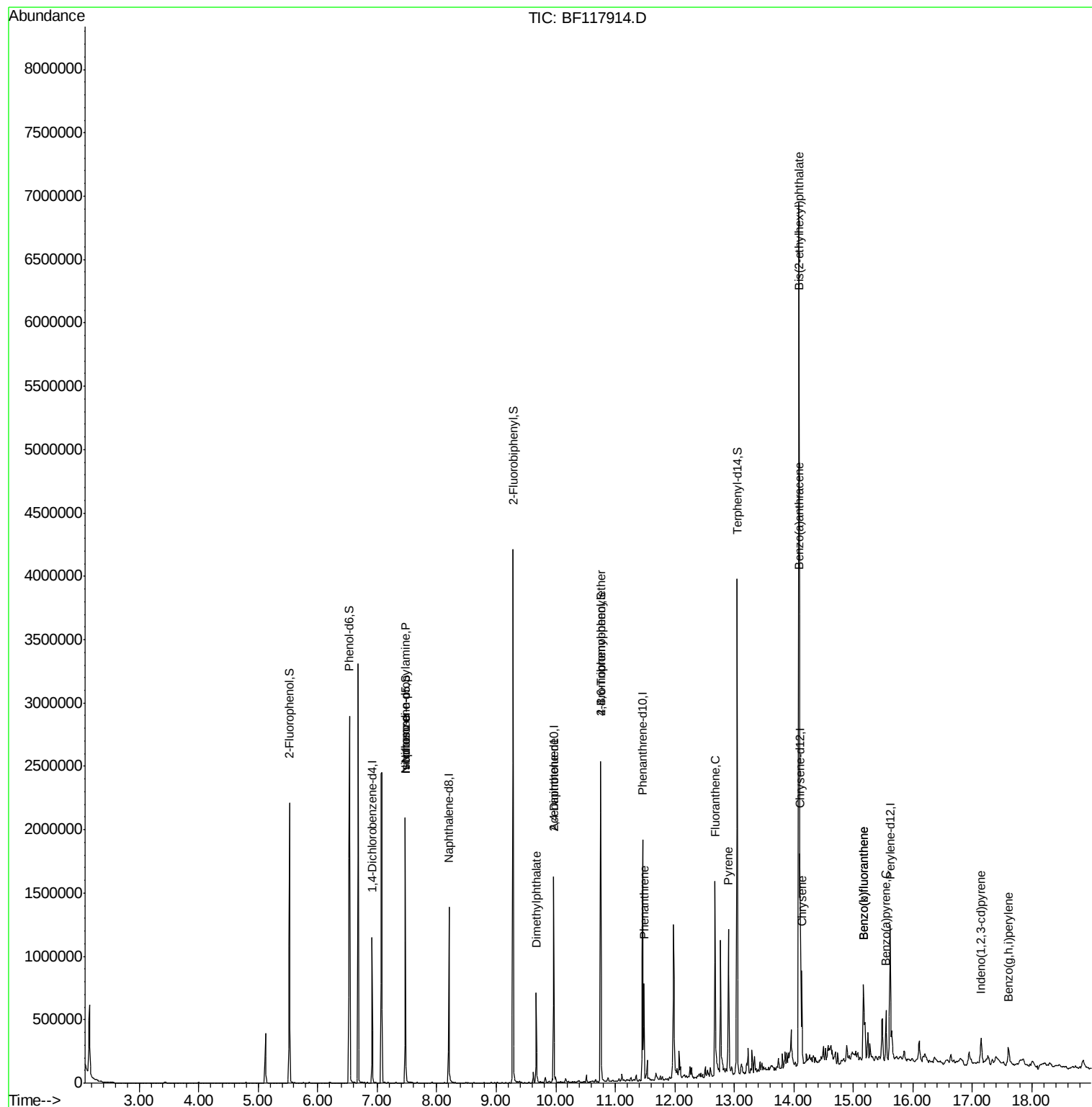
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	1791	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.47	70	82473	12.626	ng	# 74
25) Isophorone	7.47	82	608158	32.005	ng	# 62
50) Dimethylphthalate	9.67	163	286816	12.131	ng	# 99
57) 2,4-Dinitrotoluene	9.96	165	43931	6.684	ng	# 25
67) 4-Bromophenyl-phenylether	10.76	248	19370	2.776	ng	# 1
71) Phenanthrene	11.48	178	252173	7.757	ng	# 96
75) Fluoranthene	12.67	202	532572	12.567	ng	# 99
78) Pyrene	12.90	202	431083	11.822	ng	# 98
81) Benzo(a)anthracene	14.10	228	212683	7.133	ng	# 97
83) Chrysene	14.13	228	291532	10.090	ng	# 98
84) Bis(2-ethylhexyl)phthalate	14.09	149	1837584	96.778	ng	# 100
86) Indeno(1,2,3-cd)pyrene	17.14	276	136862	5.566	ng	# 94
88) Benzo(b)fluoranthene	15.17	252	450996	13.556	ng	# 98
89) Benzo(k)fluoranthene	15.17	252	450996	14.387	ng	# 98
90) Benzo(a)pyrene	15.55	252	196788	6.727	ng	# 98
92) Benzo(a,h,i)perylene	17.60	276	116232	4.634	ng	# 97

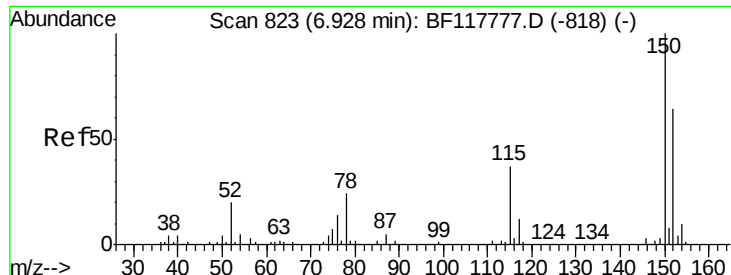
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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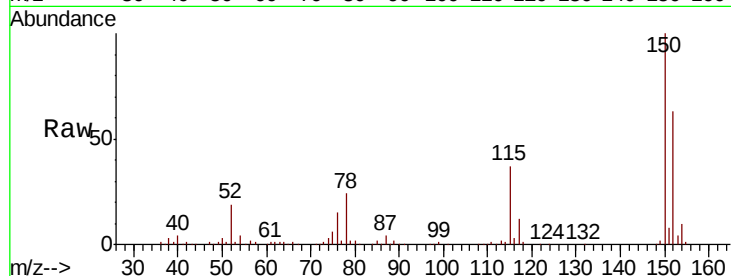


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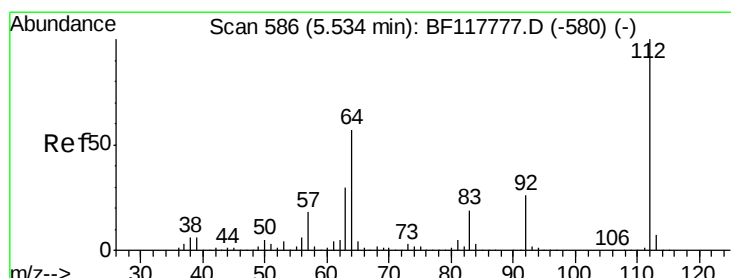
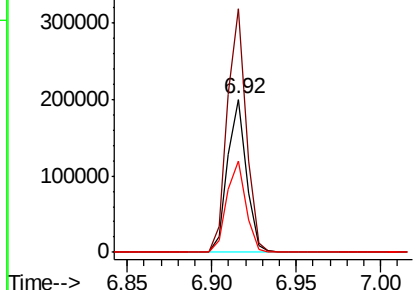
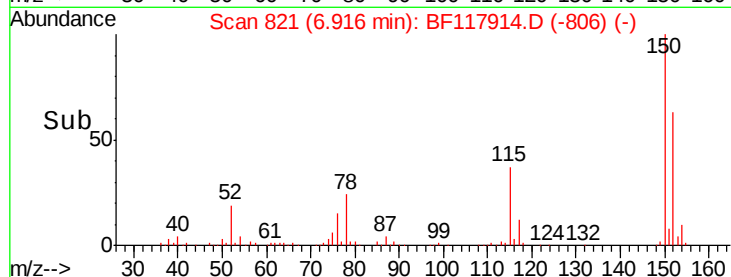
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion:152 Resp: 155382
Ion Ratio Lower Upper
152 100
150 159.3 125.3 187.9
115 59.7 47.0 70.4



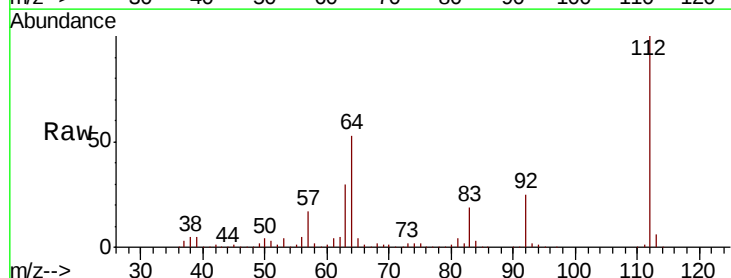
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



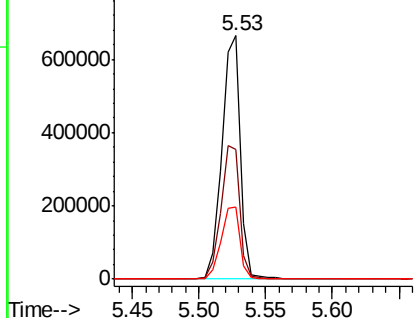
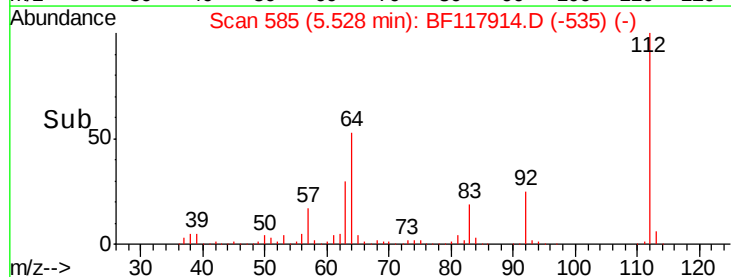
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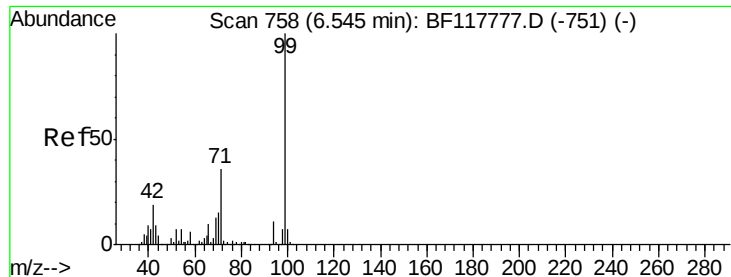
2-Fluorophenol
Concen: 74.061 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion:112 Resp: 650116
Ion Ratio Lower Upper
112 100
64 53.1 45.6 68.4
63 29.7 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.066 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Instrument :

BNA_F

ClientSampleId :

RT-1488-RT4221-RBR200031

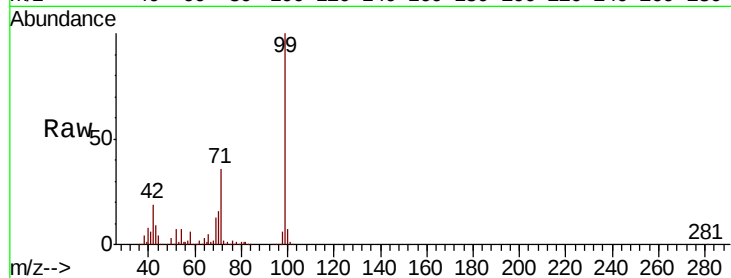
Tot Ion: 99 Resp: 974777

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

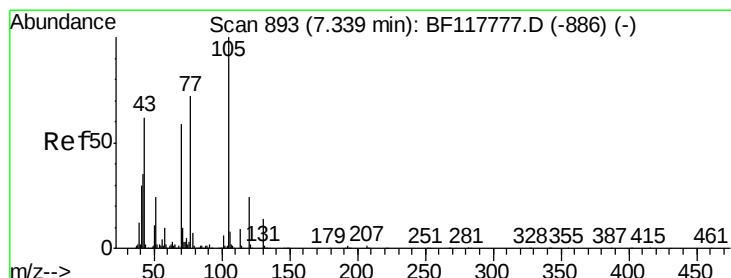
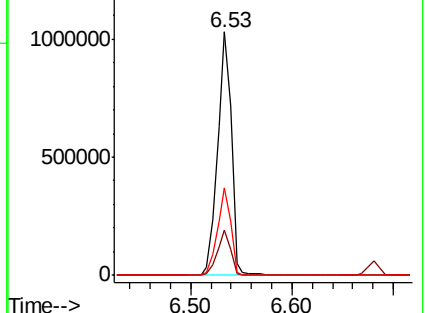
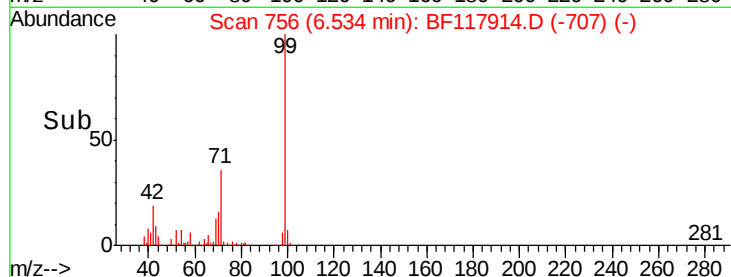
71 36.1 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.626 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Tgt Ion: 70 Resp: 82473

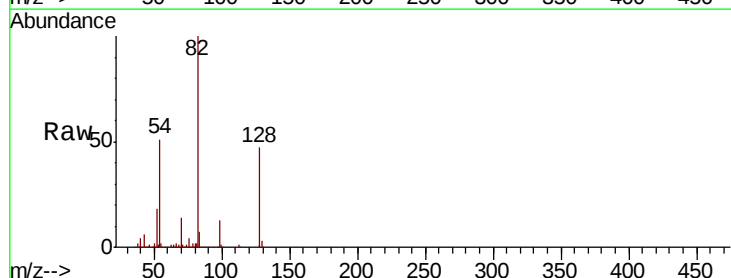
Ion Ratio Lower Upper

70 100

42 45.6 47.4 71.2#

101 0.0 8.4 12.6#

130 1.9 18.8 28.2#

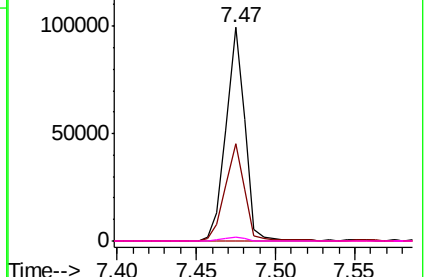
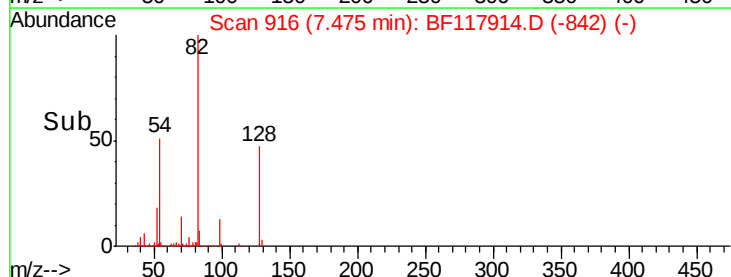


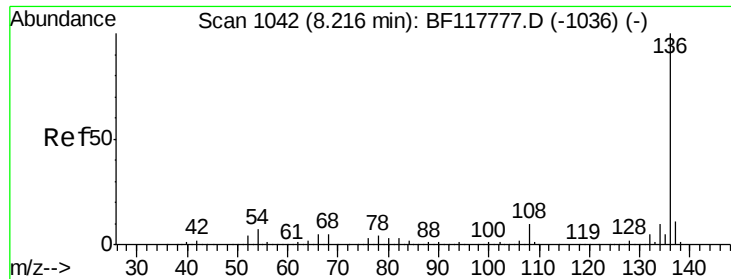
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

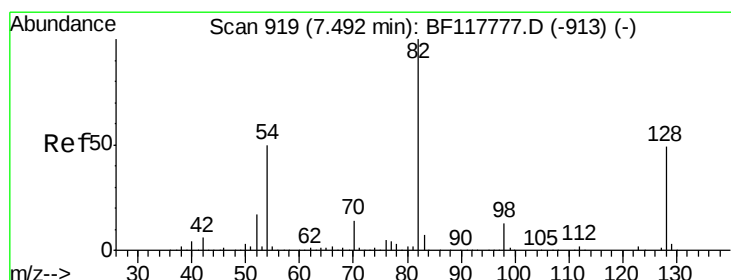
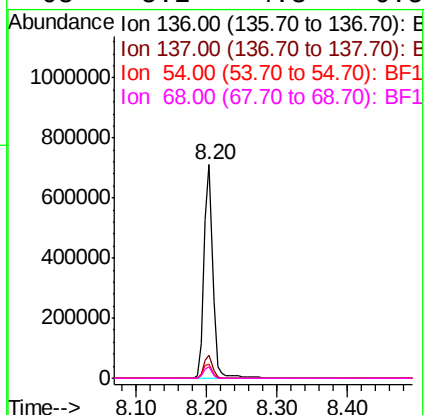
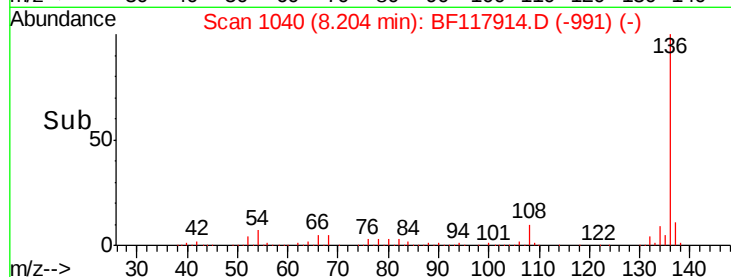
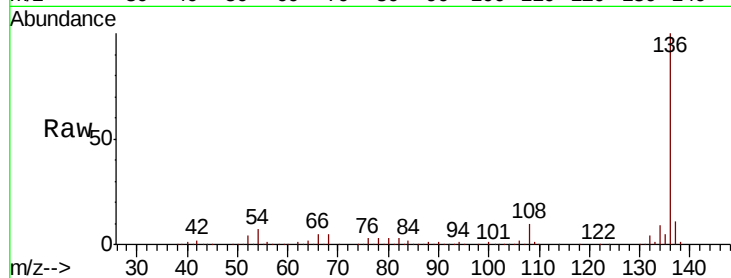




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

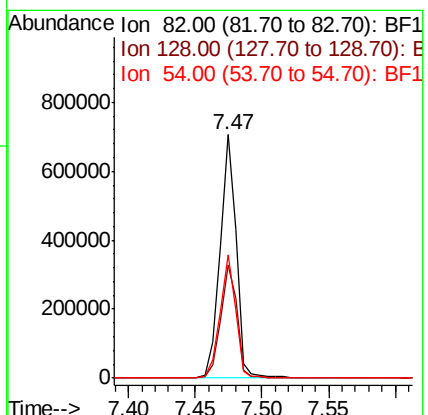
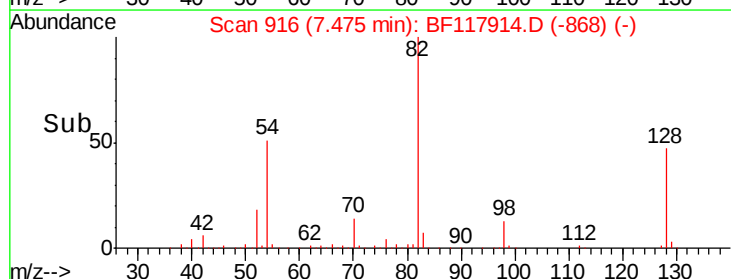
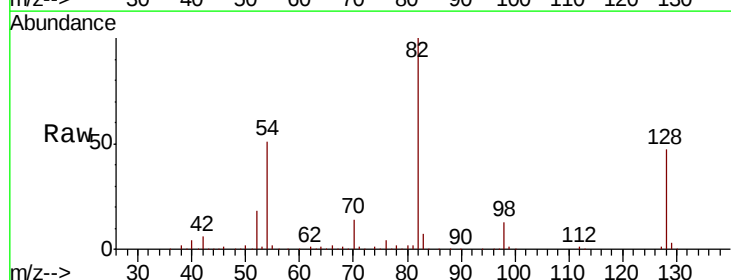
Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

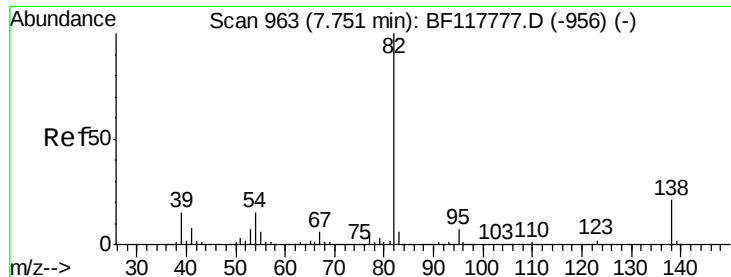
Tot Ion:136	Resp:	616308
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	6.5	5.4 8.2
68	5.2	4.3 6.5



#23
Nitrobenzene-d5
Concen: 58.660 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion: 82	Resp:	608163
Ion Ratio	Lower	Upper
82	100	
128	46.6	38.9 58.3
54	50.8	39.8 59.6





#25

Isophorone

Concen: 32.005 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Instrument :

BNA_F

ClientSampleId :

RT-1488-RT4221-RBR200031

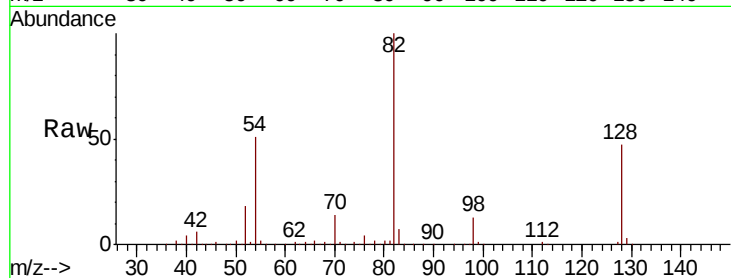
Tot Ion: 82 Resp: 608158

Ion Ratio Lower Upper

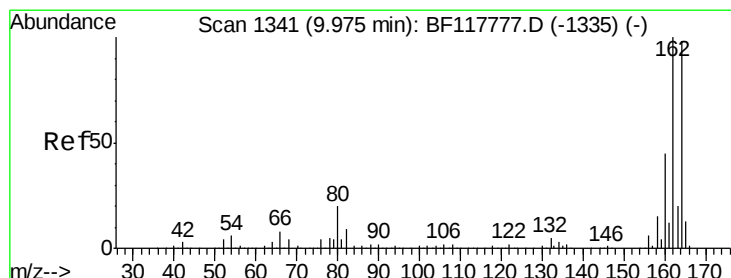
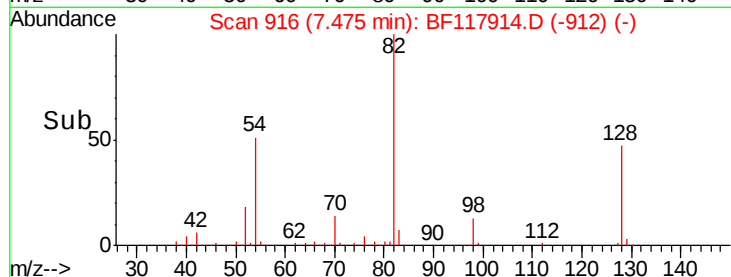
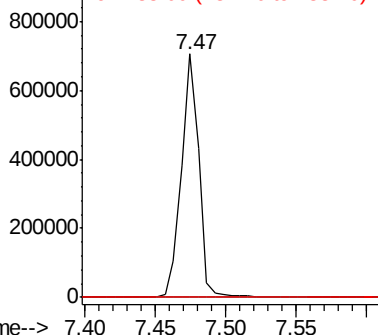
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

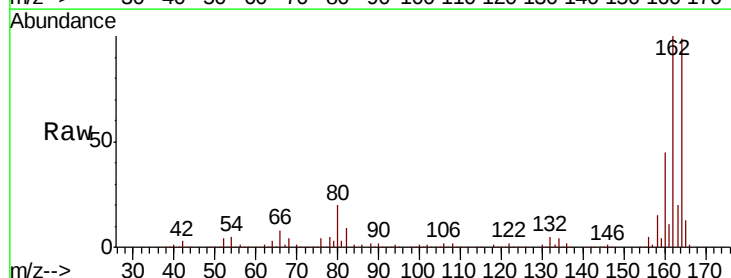
Tgt Ion: 164 Resp: 337153

Ion Ratio Lower Upper

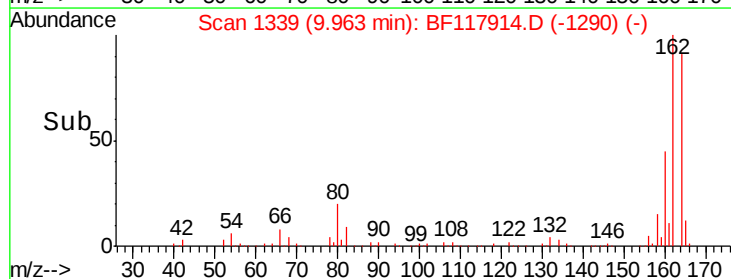
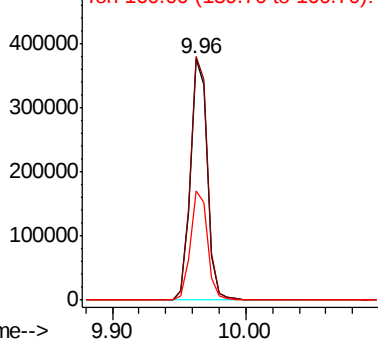
164 100

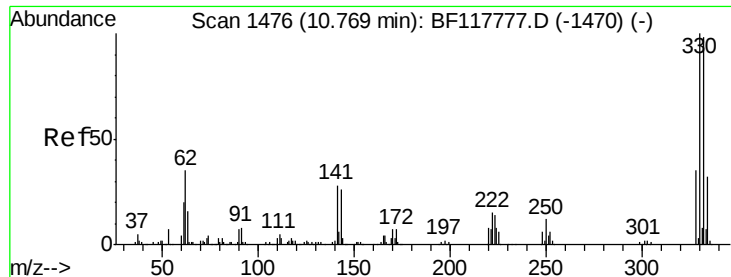
162 101.0 81.3 121.9

160 45.3 36.6 55.0



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

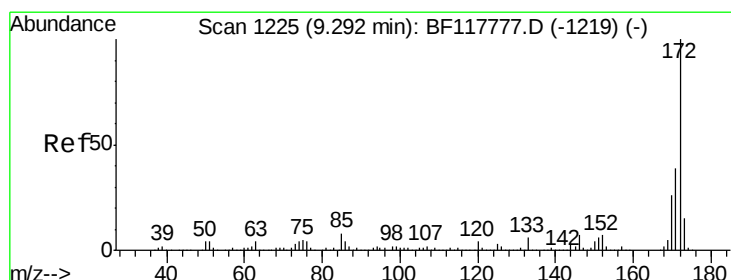
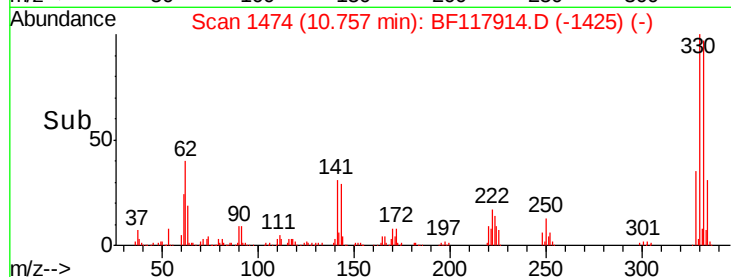
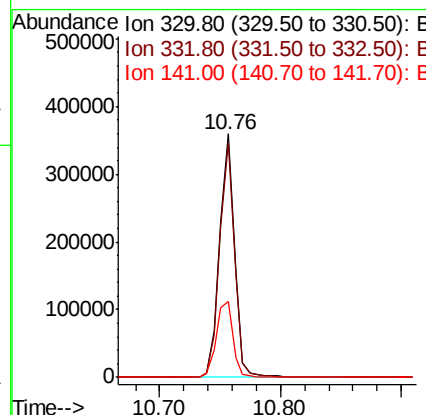
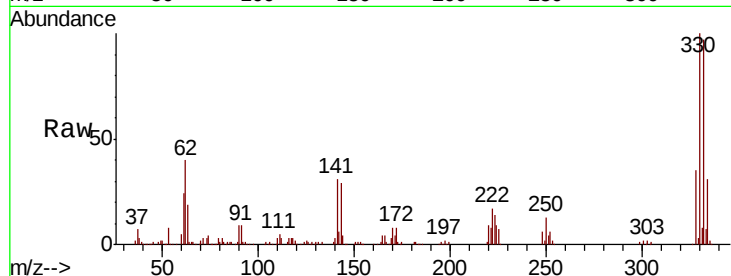




#42
 2,4,6-Tribromophenol
 Concen: 85.507 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

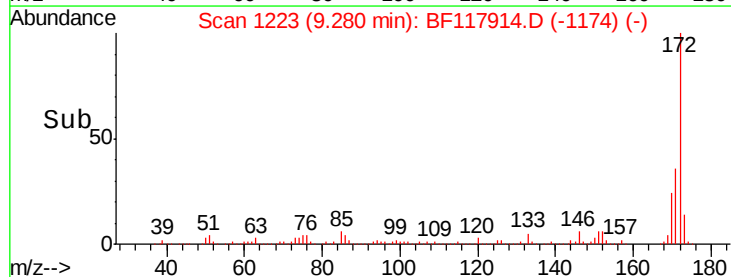
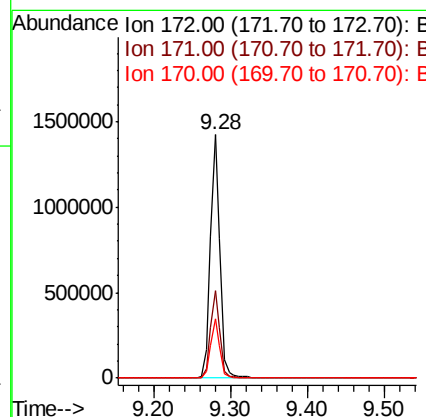
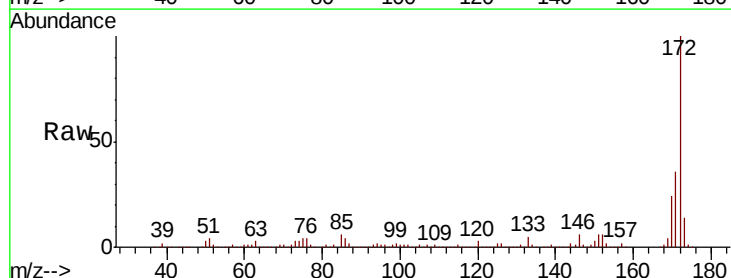
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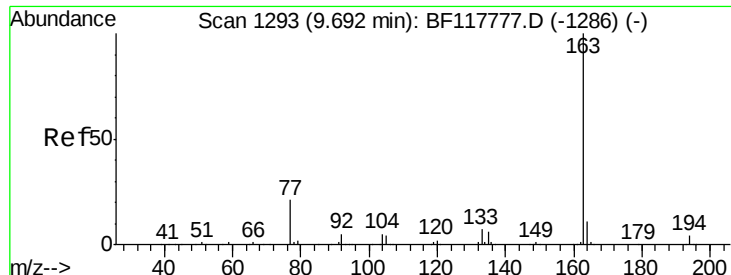
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	35.0	27.7	41.5



#45
 2-Fluorobiphenyl
 Concen: 65.056 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.9	46.3
170	24.3	21.0	31.4

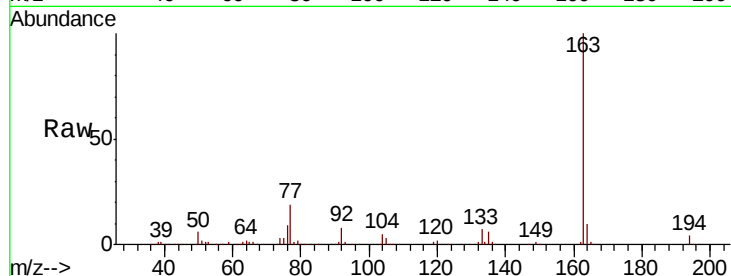




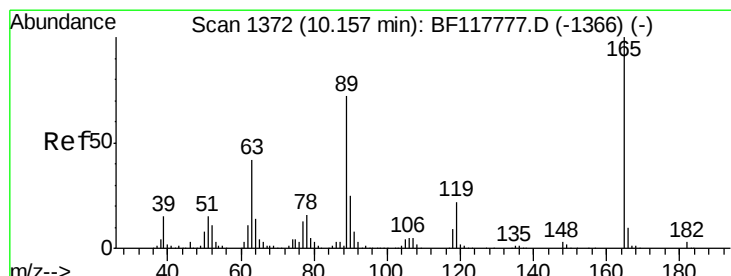
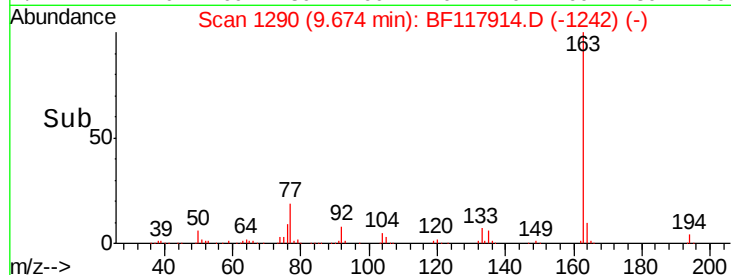
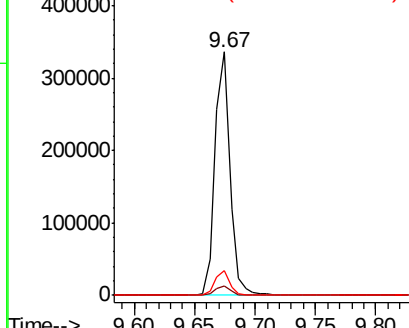
#50
Dimethylphthalate
Concen: 12.131 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.7	13.1

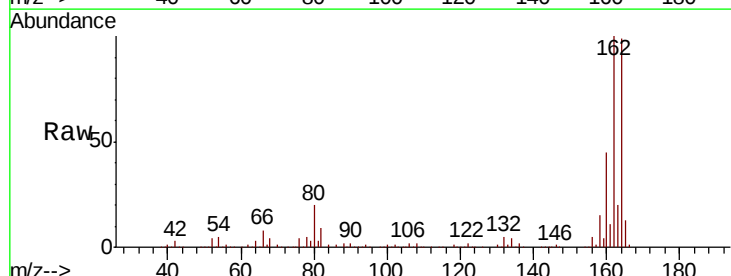


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

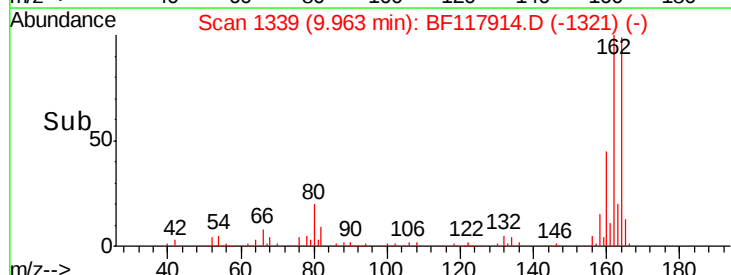
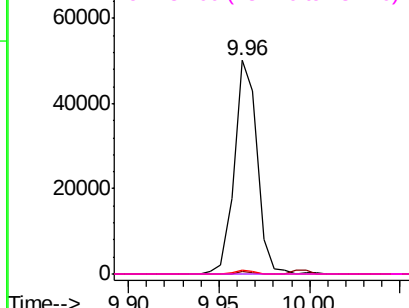


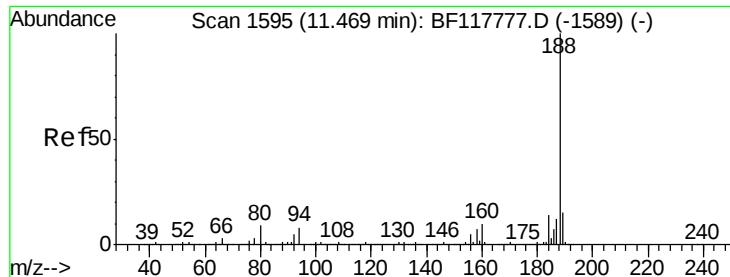
#57
2,4-Dinitrotoluene
Concen: 6.684 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.7	50.5#
89	1.5	57.3	85.9#
182	0.0	2.3	3.5#



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
Ion 182.00 (181.70 to 182.70): E

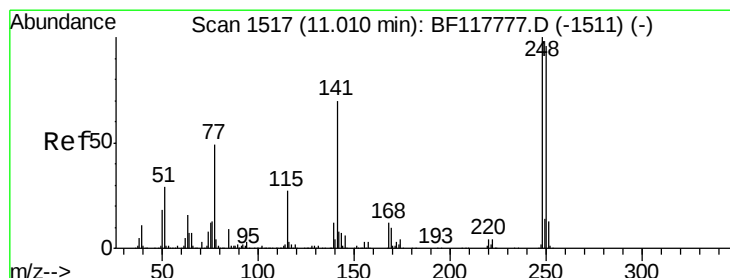
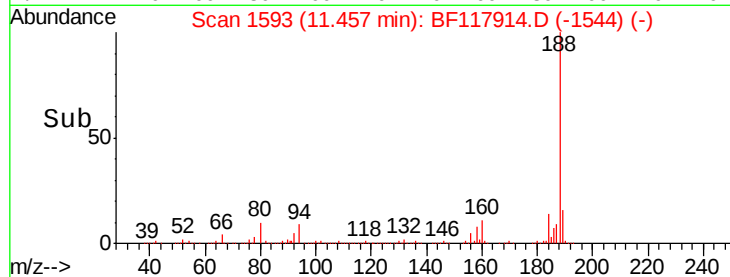
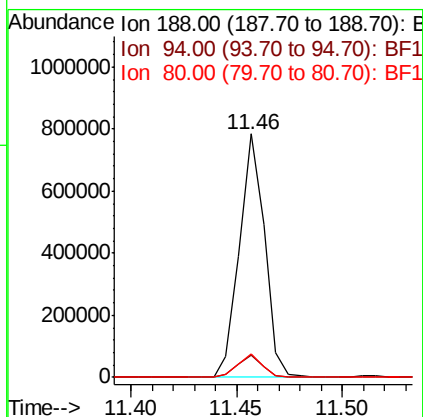
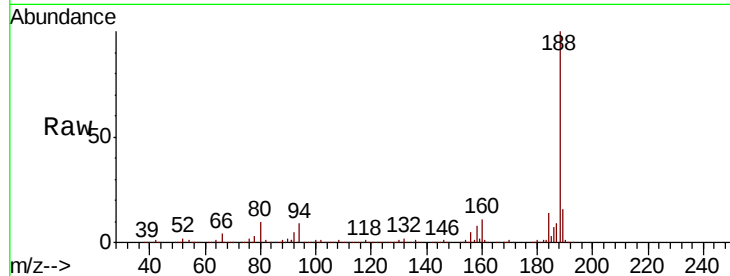




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

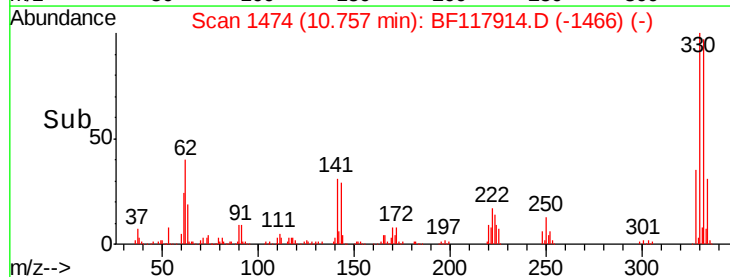
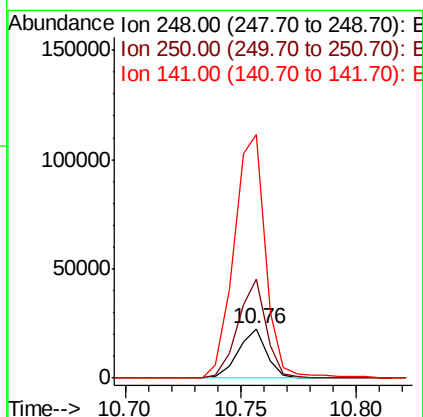
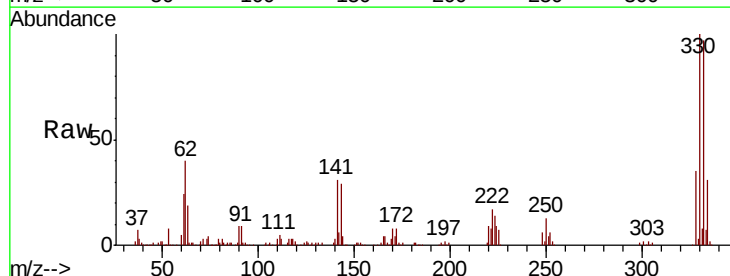
Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

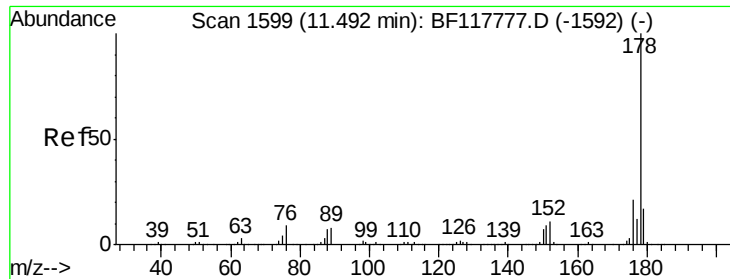
Tot Ion:188 Resp: 646596
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.5 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.776 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion:248 Resp: 19370
Ion Ratio Lower Upper
248 100
250 200.8 76.6 115.0#
141 494.7 55.9 83.9#

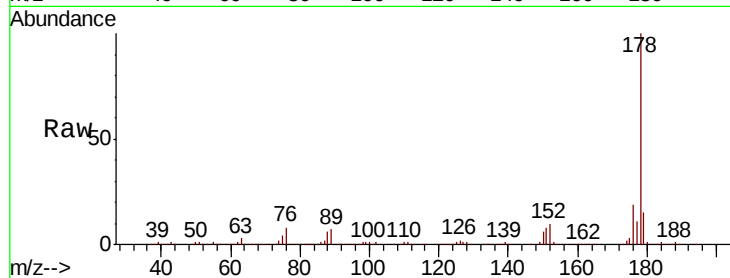




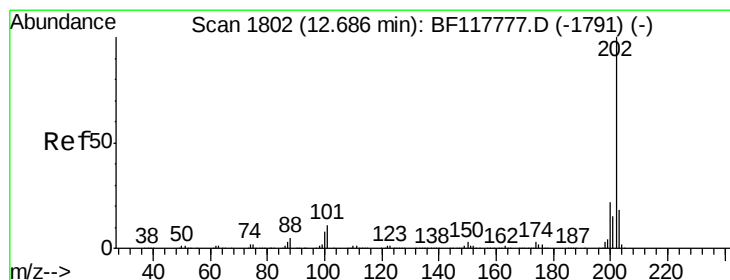
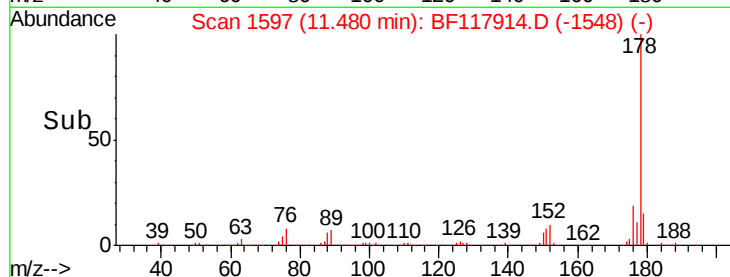
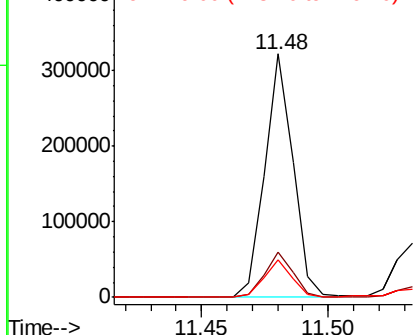
#71
Phenanthrene
Concen: 7.757 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion:178 Resp: 252173
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 15.4 13.2 19.8

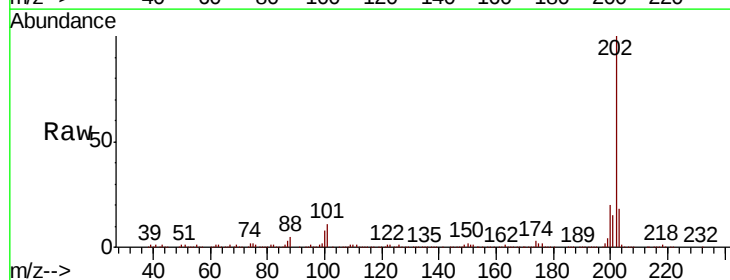


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

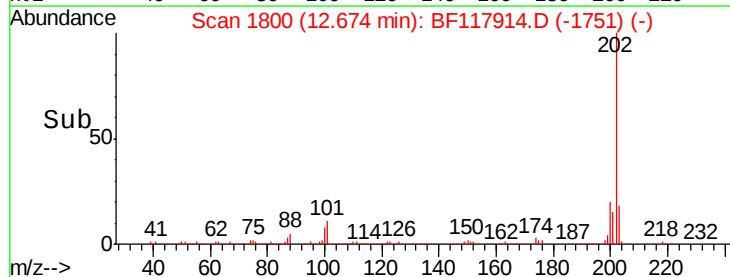
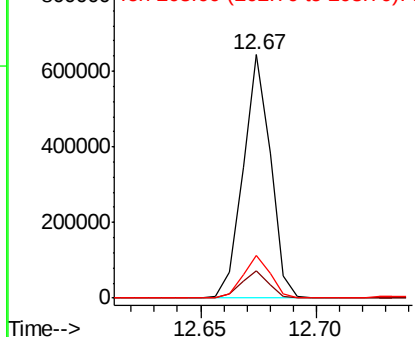


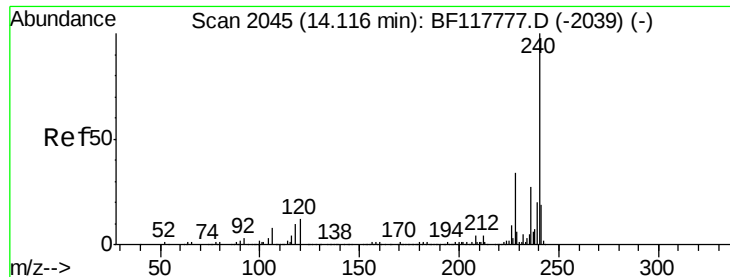
#75
Fluoranthene
Concen: 12.567 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion:202 Resp: 532572
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.1
203 17.7 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

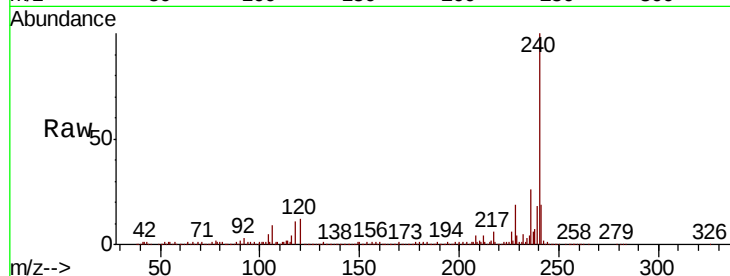




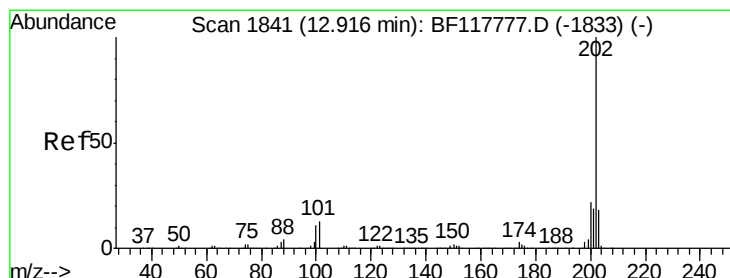
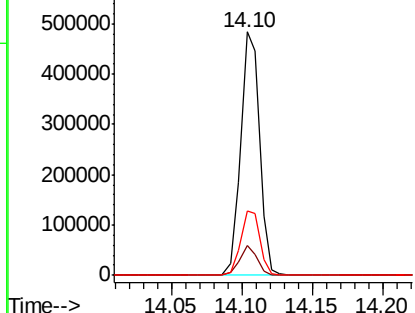
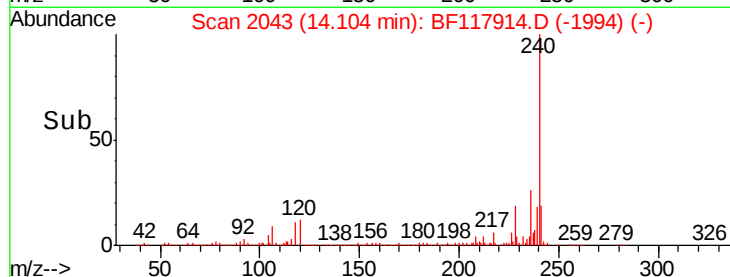
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	26.3	21.3	31.9

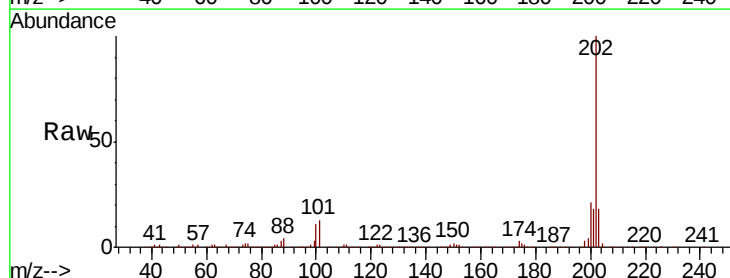


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

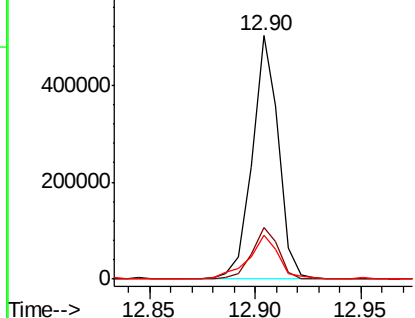
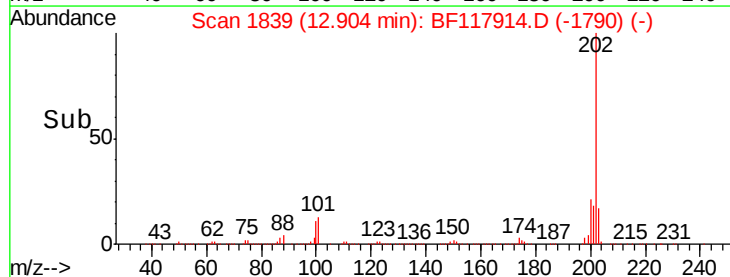


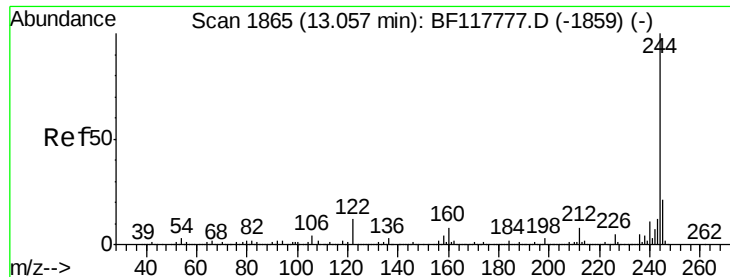
#78
Pyrene
Concen: 11.822 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.8
203	17.8	14.6	22.0



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: 57.646 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Instrument :

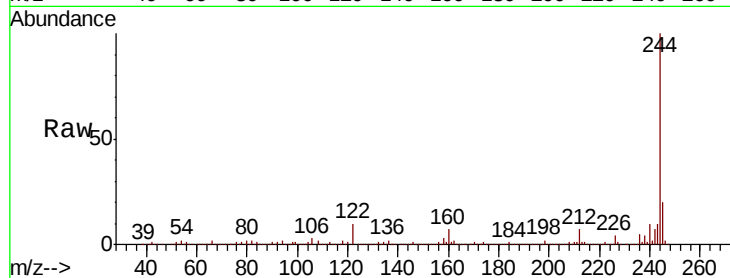
BNA_F

ClientSampleId :

RT-1488-RT4221-RBR200031

Tot Ion:244 Resp: 1423200

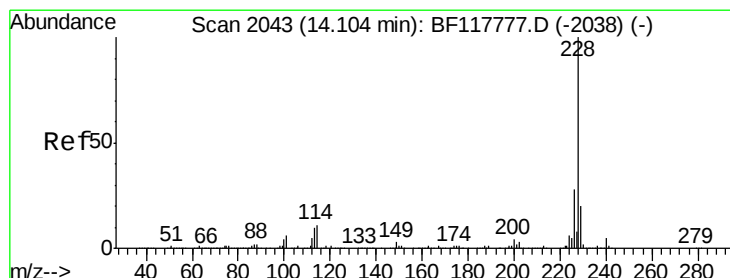
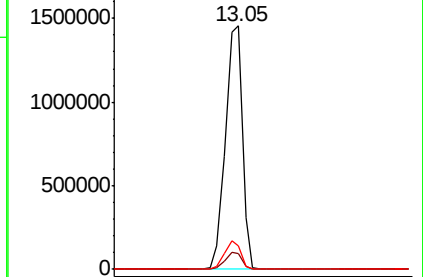
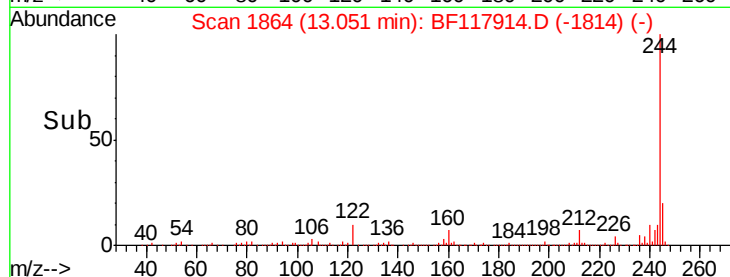
Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	9.5	9.4	14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.133 ng

RT: 14.10 min Scan# 2042

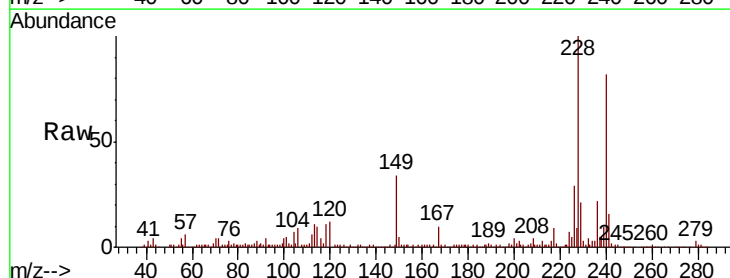
Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Tgt Ion:228 Resp: 212683

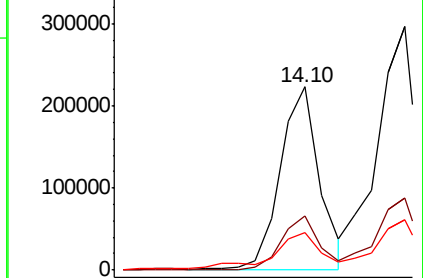
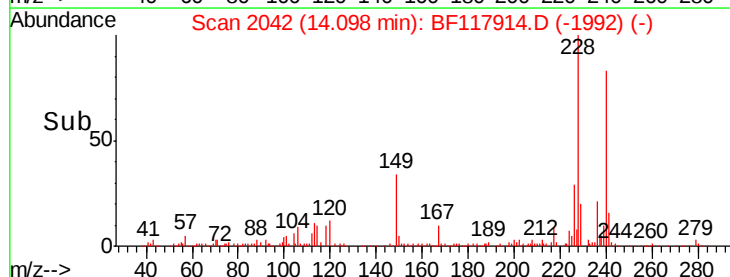
Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.7	15.9	23.9

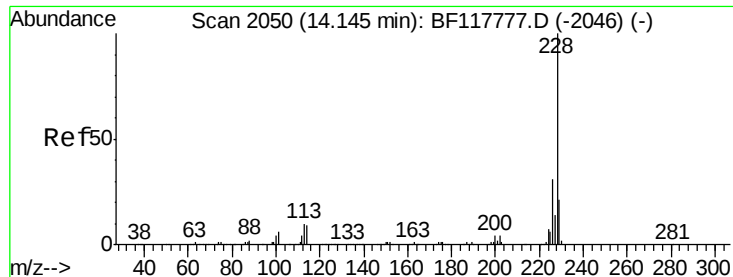


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

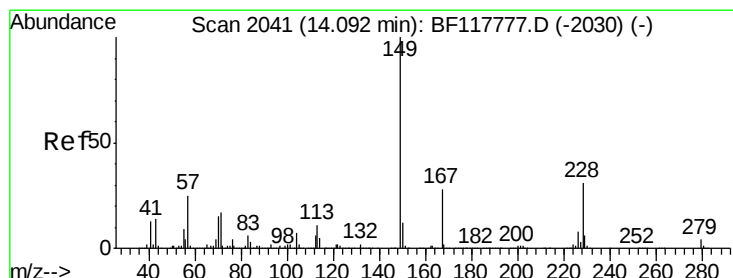
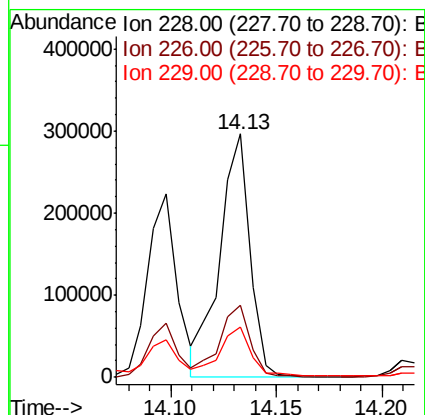
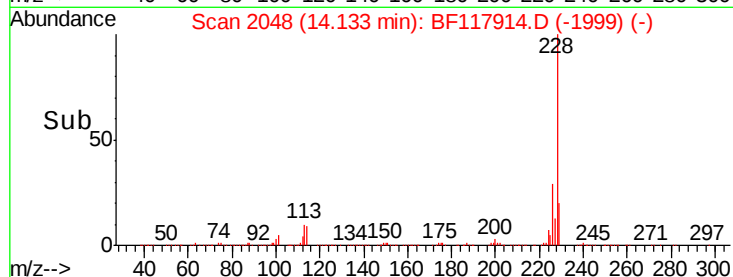
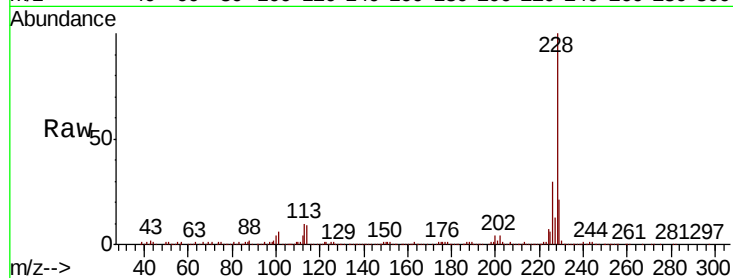




#83
 Chrysene
 Concen: 10.090 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

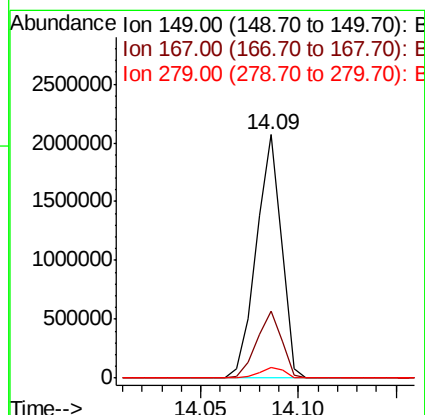
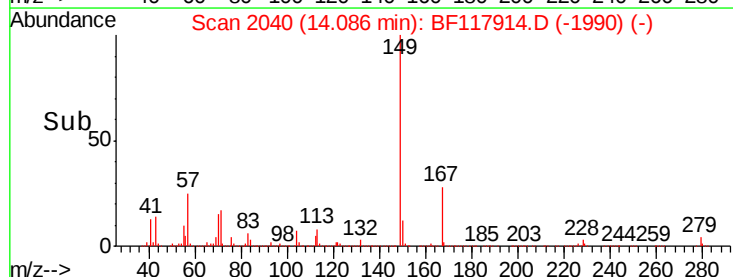
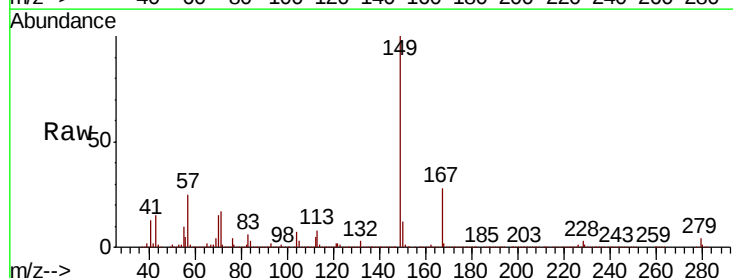
Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

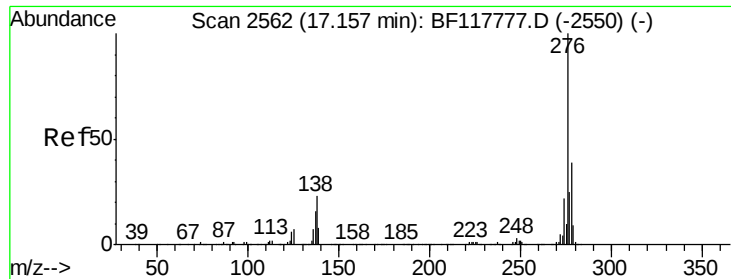
Tot Ion:228 Resp: 291532
 Ion Ratio Lower Upper
 228 100
 226 29.5 25.0 37.4
 229 20.9 16.6 25.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 96.778 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Tgt Ion:149 Resp: 1837584
 Ion Ratio Lower Upper
 149 100
 167 27.5 22.2 33.2
 279 4.4 3.4 5.2

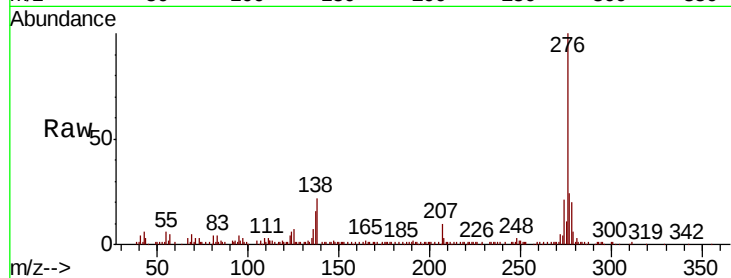




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.566 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.9	31.3
277	23.7	20.3	30.5

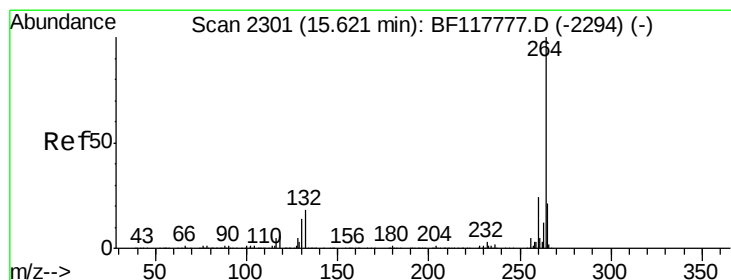
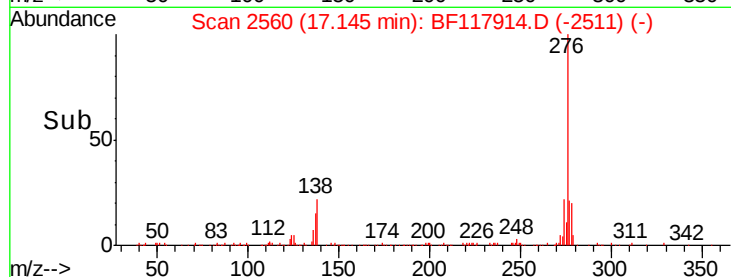
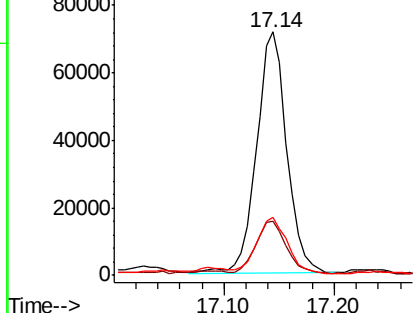


Abundance

Ion 276.00 (275.70 to 276.70): E

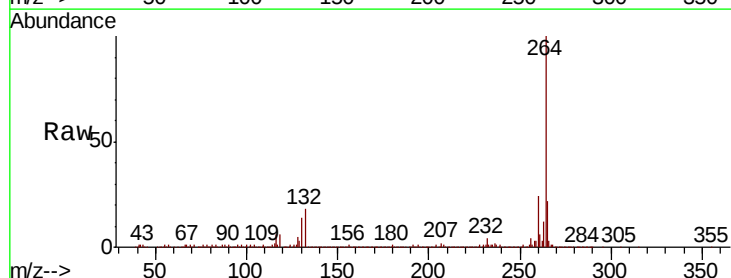
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	22.3	17.1	25.7

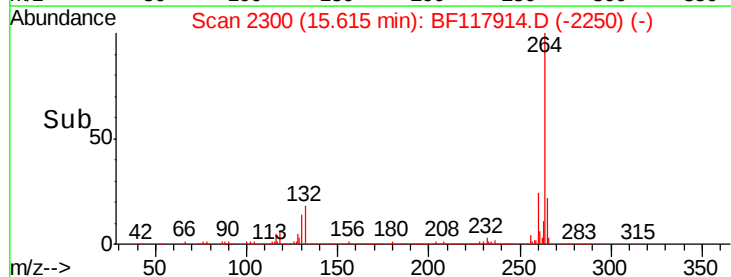
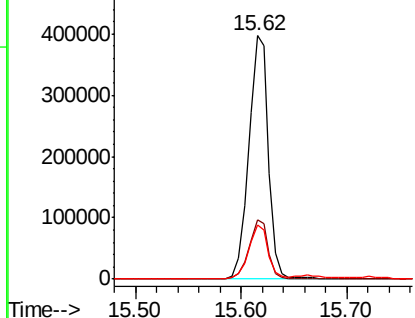


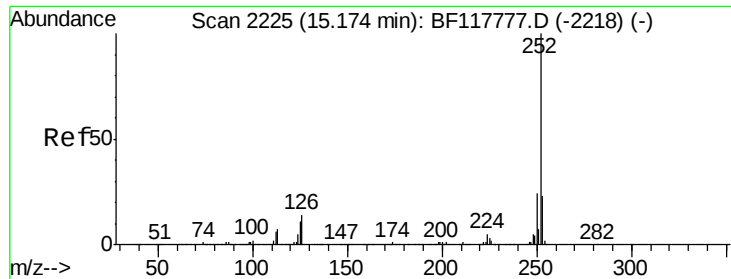
Abundance

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

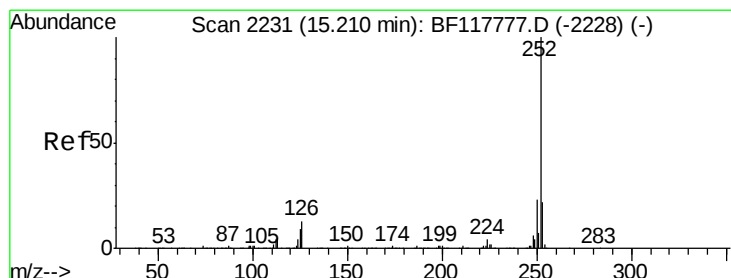
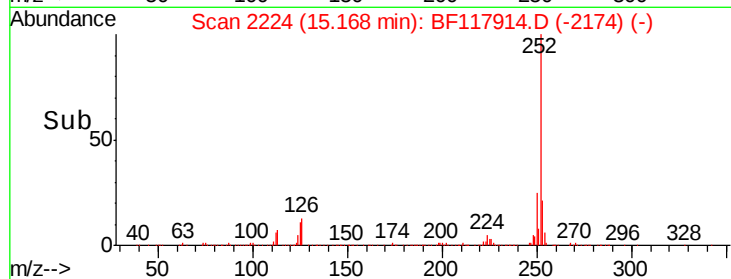
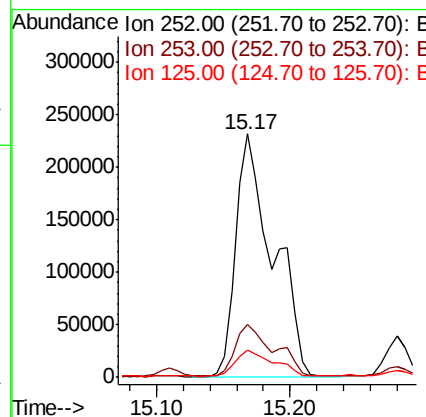
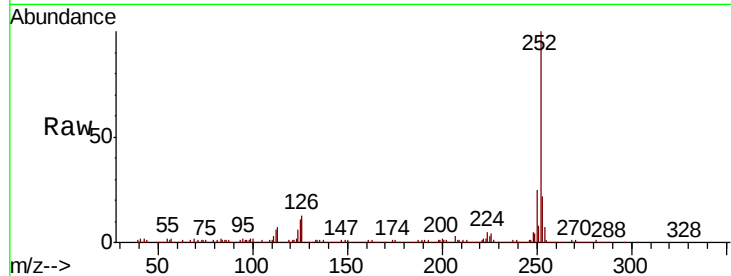




#88
Benzo(b)fluoranthene
Concen: 13.556 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

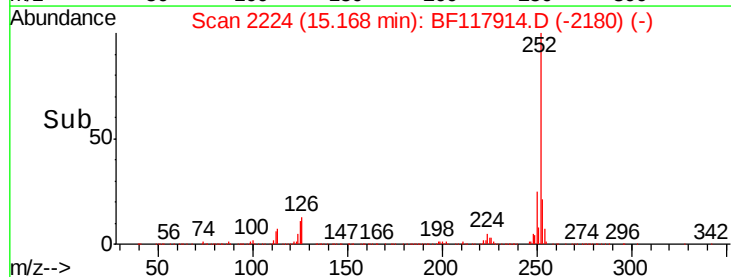
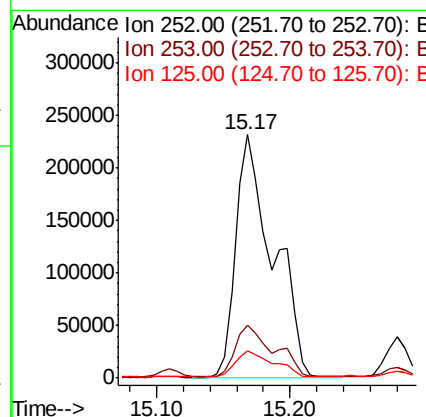
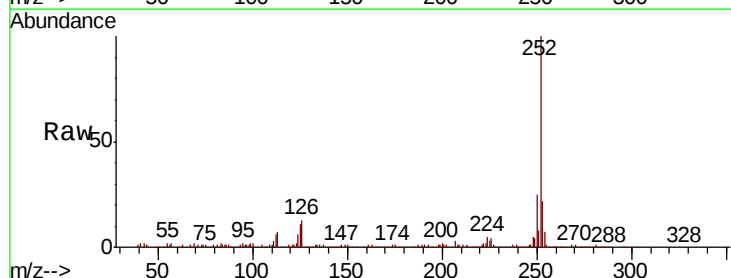
Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

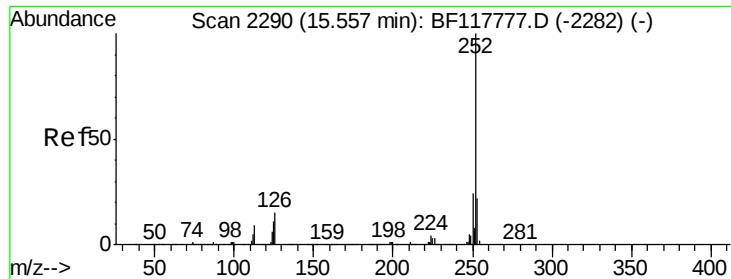
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	11.3	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 14.387 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	11.3	7.9	11.9

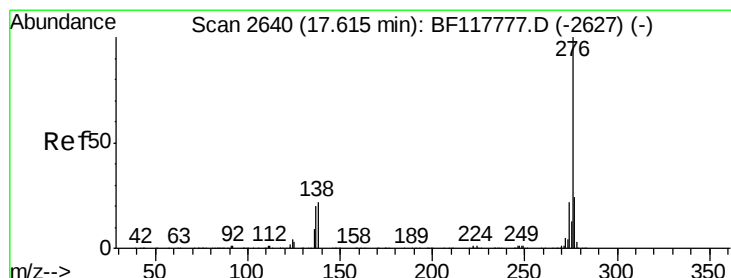
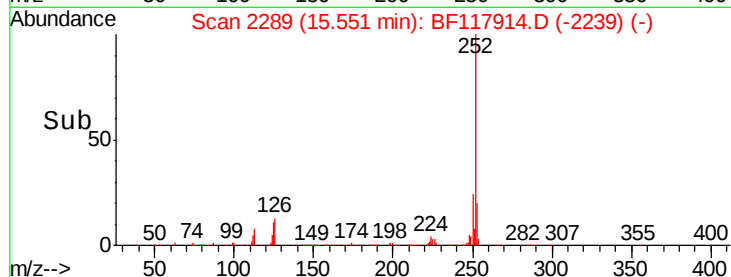
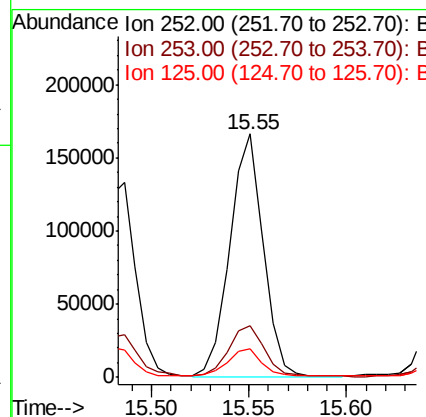
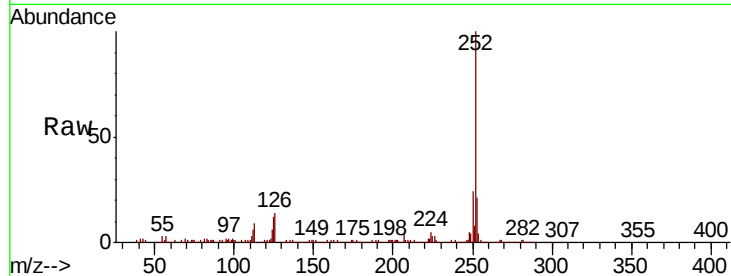




#90
Benzo(a)pyrene
Concen: 6.727 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.6
125	11.9	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 4.634 ng
RT: 17.60 min Scan# 2638
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	23.5	17.4	26.2

