

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117909.D
 Acq On : 21 Nov 2019 13:53
 Operator : JU
 Sample : K5932-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027-1A-415

Quant Time: Nov 21 15:17:16 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	135520	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	636872	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	351656	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	683848	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	456781	20.00	ng	-0.01
87) Perylene-d12	15.62	264	516792	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	789221	103.08	ng	0.00
7) Phenol-d6	6.54	99	1018873	110.33	ng	0.00
23) Nitrobenzene-d5	7.47	82	693045	64.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	349517	93.88	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1389680	70.90	ng	-0.01
79) Terphenyl-d14	13.05	244	1598374	63.95	ng	0.00

Target Compounds

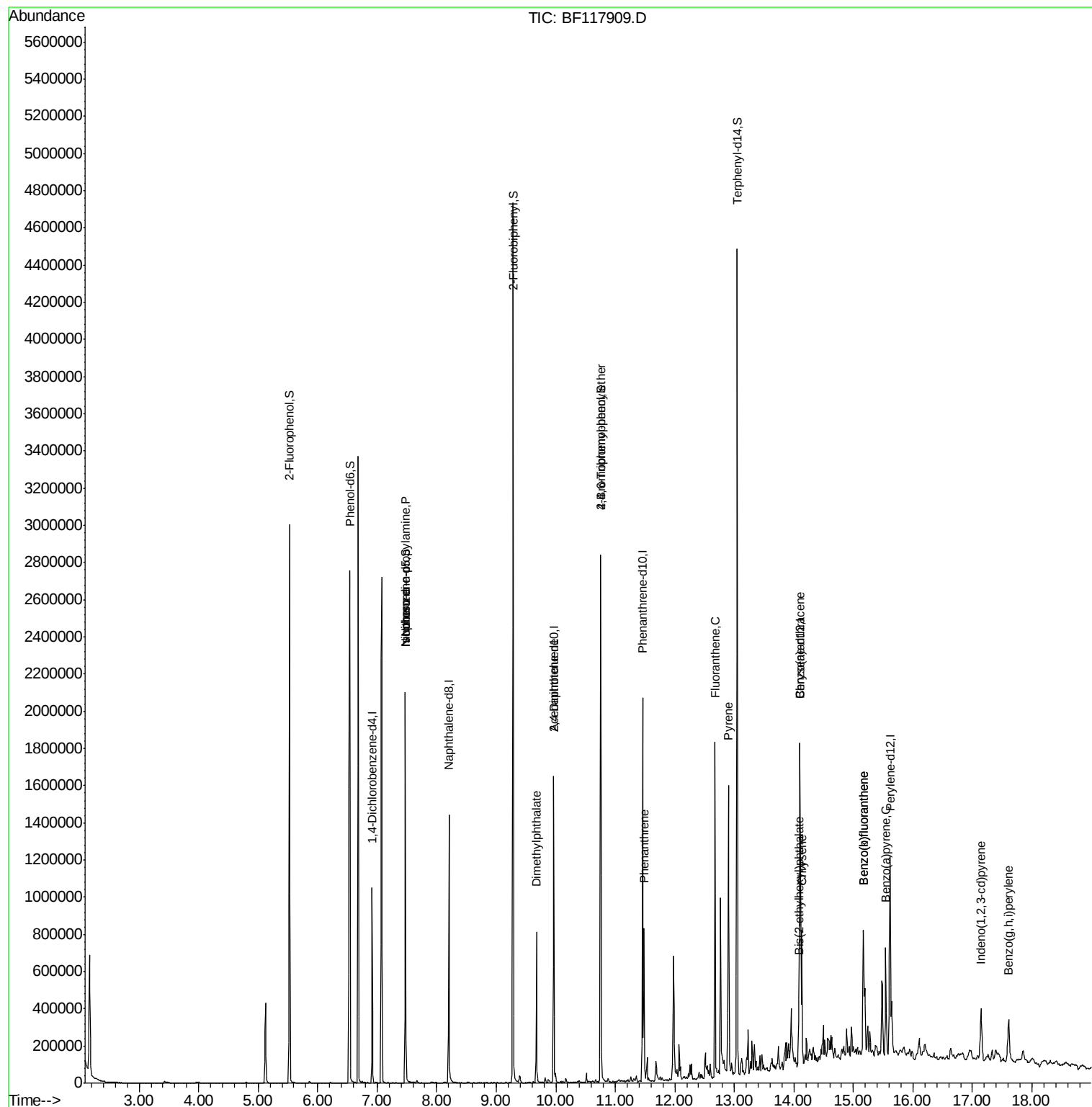
						Qvalue
9) Benzaldehyde	6.54	77	1852	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.47	70	94764	16.634 ng	#	75
25) Isophorone	7.47	82	689553	35.116 ng	#	62
50) Dimethylphthalate	9.67	163	313286	12.704 ng		98
57) 2,4-Dinitrotoluene	9.96	165	45940	6.701 ng	#	25
67) 4-Bromophenyl-phenylether	10.76	248	21972	2.978 ng	#	1
71) Phenanthrene	11.48	178	277508	8.071 ng		97
75) Fluoranthene	12.67	202	650889	15.928 ng		98
78) Pyrene	12.90	202	580017	15.712 ng		98
81) Benzo(a)anthracene	14.10	228	295780	9.799 ng		97
83) Chrysene	14.13	228	290771	9.941 ng		97
84) Bis(2-ethylhexyl)phthalate	14.08	149	40772	2.121 ng		97
86) Indeno(1,2,3-cd)pyrene	17.14	276	190405	7.649 ng		94
88) Benzo(b)fluoranthene	15.17	252	530176	15.790 ng		98
89) Benzo(k)fluoranthene	15.17	252	530176	16.758 ng		97
90) Benzo(a)pyrene	15.54	252	275967	9.347 ng		99
92) Benzo(a,h,i)perylene	17.61	276	182868	7.225 ng		98

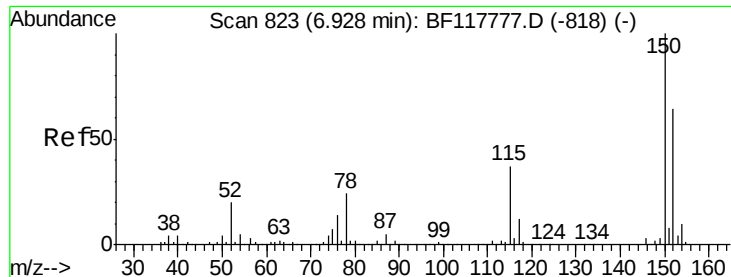
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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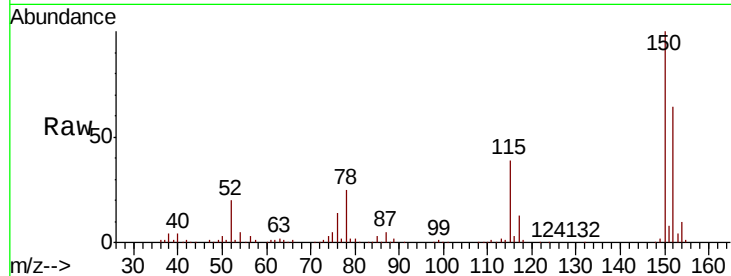


#1

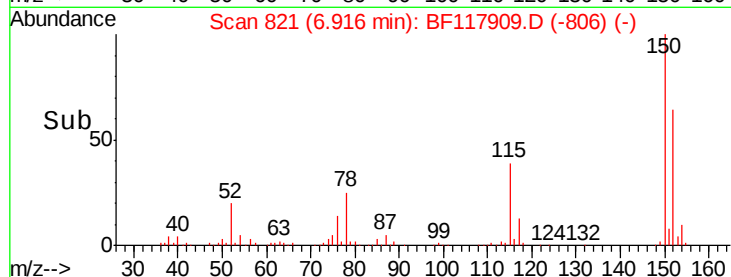
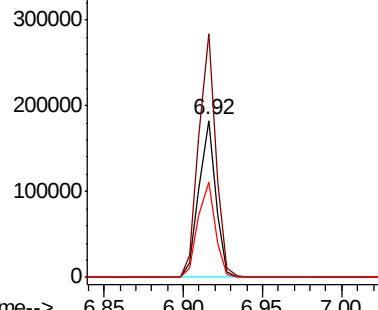
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion:152 Resp: 135520
Ion Ratio Lower Upper
152 100
150 155.3 125.3 187.9
115 61.0 47.0 70.4



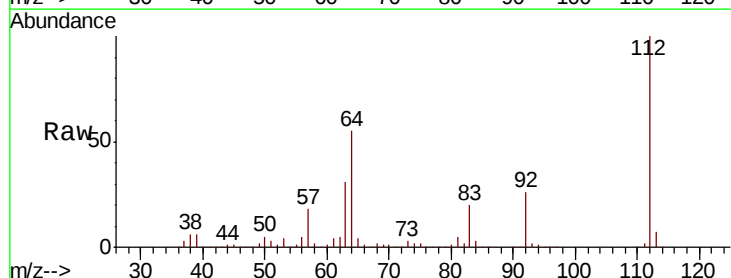
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



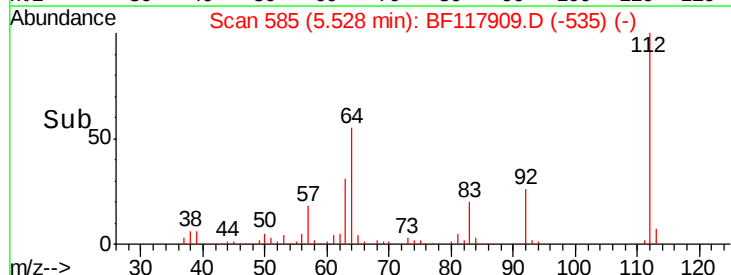
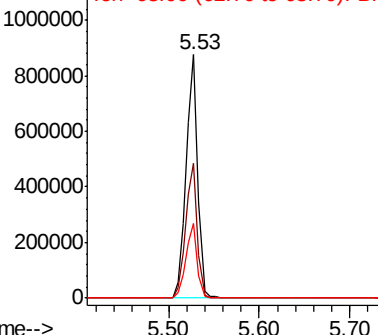
#5

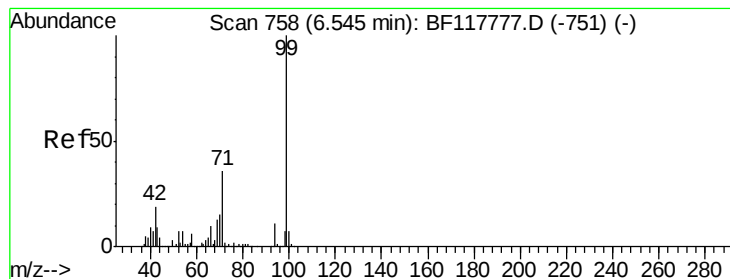
2-Fluorophenol
Concen: 103.085 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion:112 Resp: 789221
Ion Ratio Lower Upper
112 100
64 55.3 45.6 68.4
63 30.6 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: 110.334 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

ClientSampleId :

RBR200027-1A-415

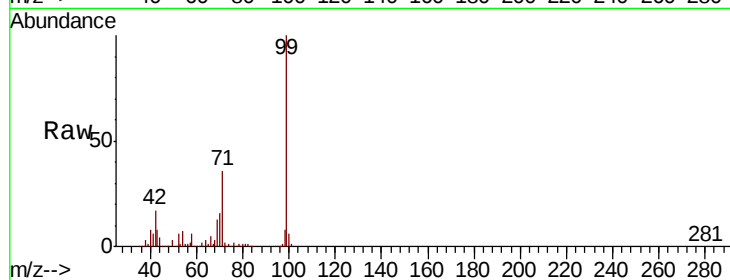
Tot Ion: 99 Resp: 1018873

Ion Ratio Lower Upper

99 100

42 17.4 14.9 22.3

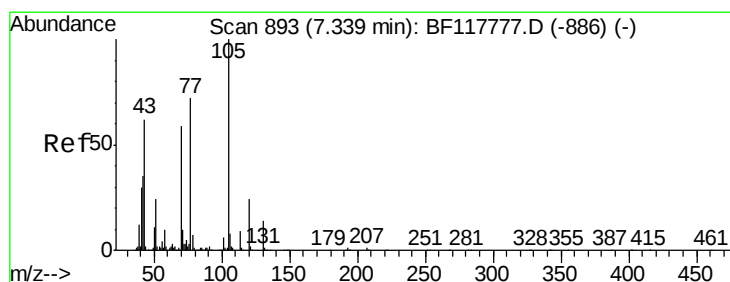
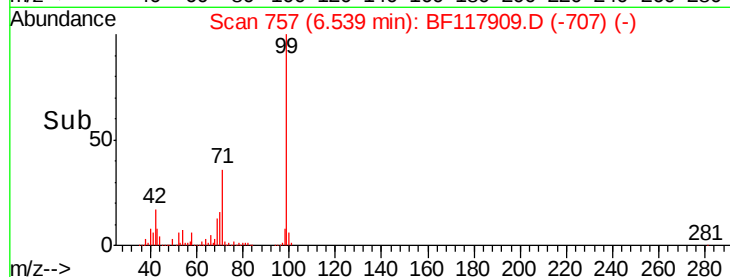
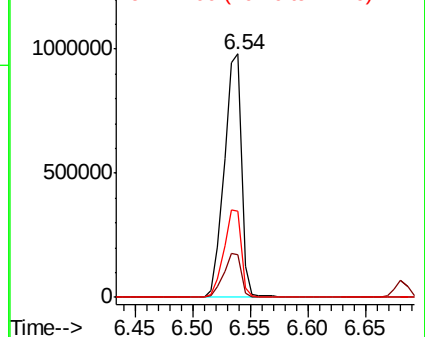
71 35.6 28.6 43.0



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: 16.634 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Tgt Ion: 70 Resp: 94764

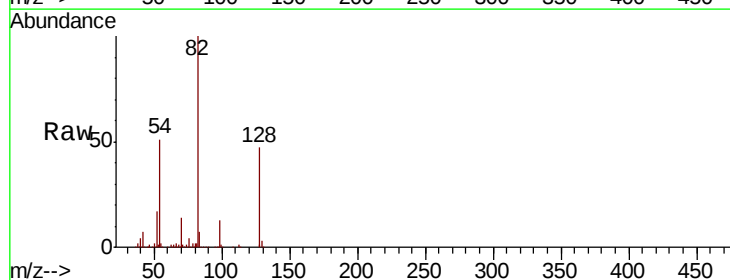
Ion Ratio Lower Upper

70 100

42 46.9 47.4 71.2#

101 0.0 8.4 12.6#

130 2.5 18.8 28.2#

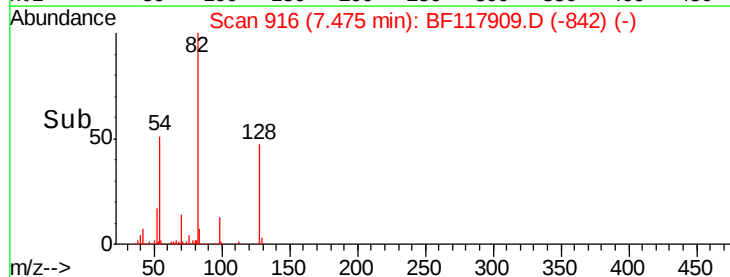
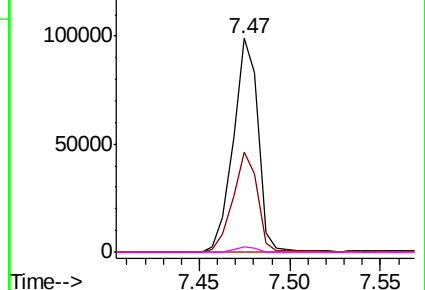


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

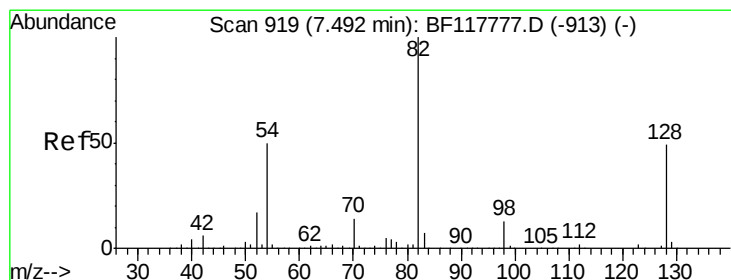
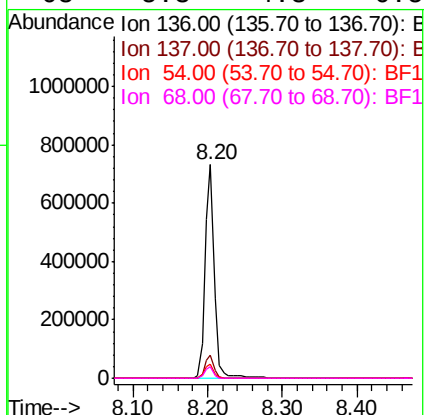
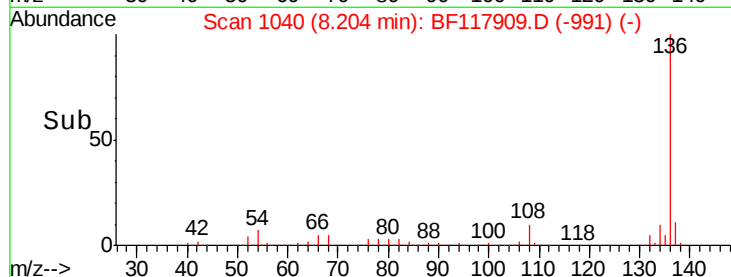
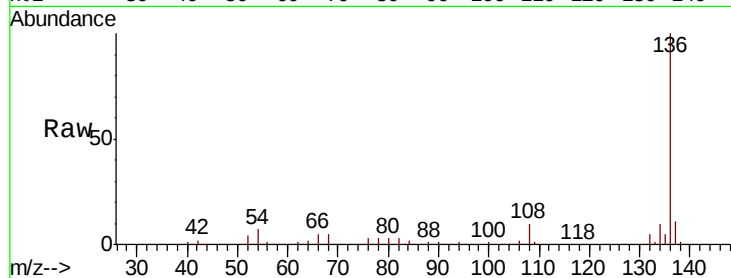




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

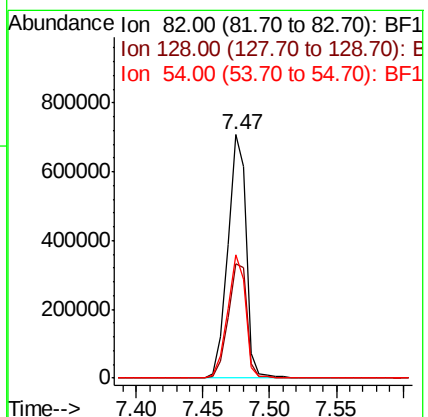
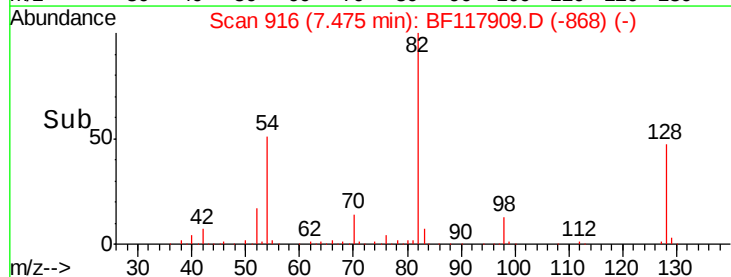
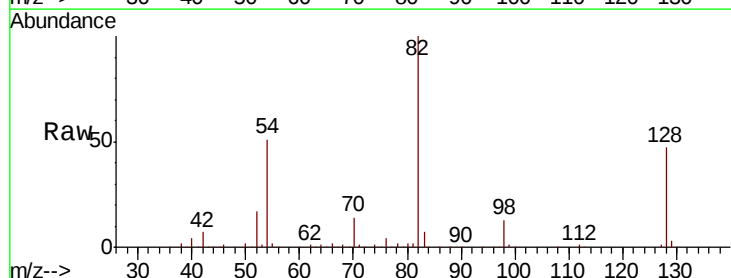
Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

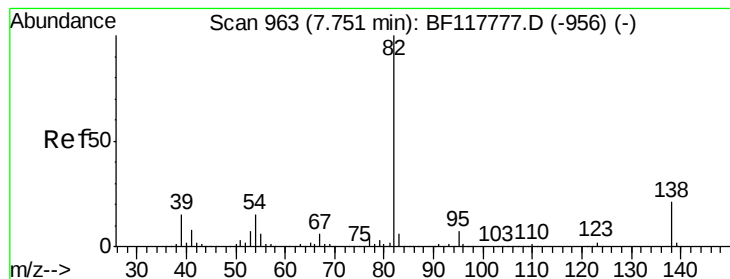
Tot Ion:136	Resp:	636872
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.4
54	6.8	5.4 8.2
68	5.3	4.3 6.5



#23
Nitrobenzene-d5
Concen: 64.689 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion: 82	Resp:	693045
Ion	Ratio	Lower Upper
82	100	
128	47.1	38.9 58.3
54	50.9	39.8 59.6





#25

Isophorone

Concen: 35.116 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

ClientSampleId :

RBR200027-1A-415

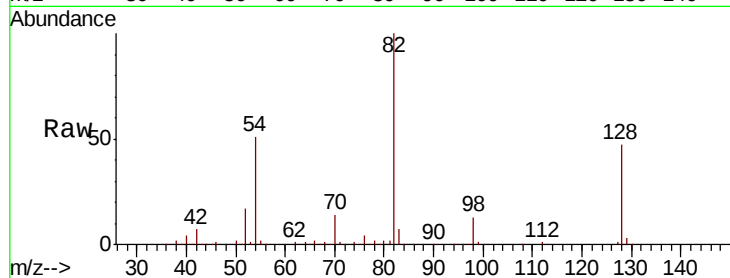
Tot Ion: 82 Resp: 689553

Ion Ratio Lower Upper

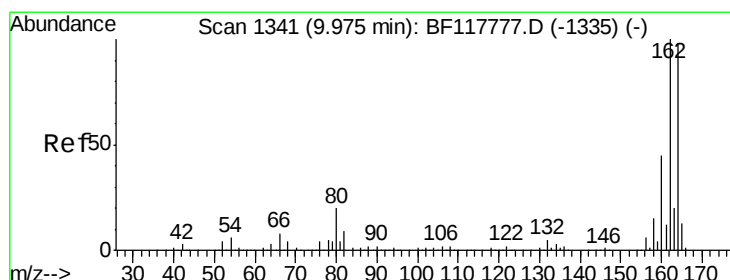
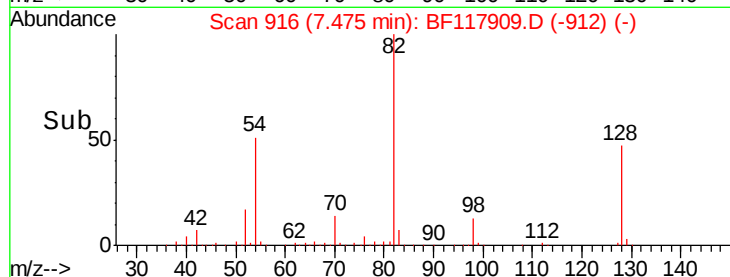
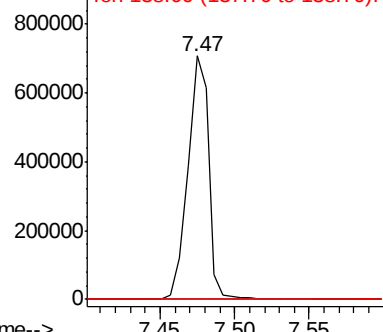
82 100

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: BF117909.D

Acq: 21 Nov 2019 13:53

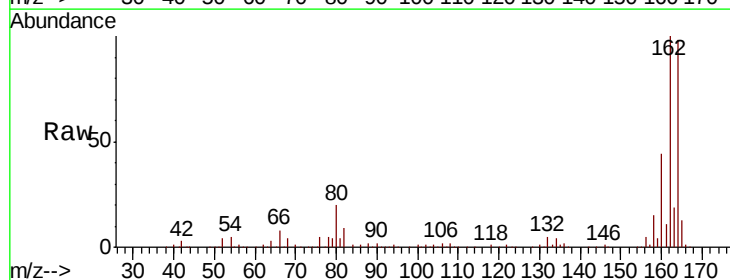
Tgt Ion: 164 Resp: 351656

Ion Ratio Lower Upper

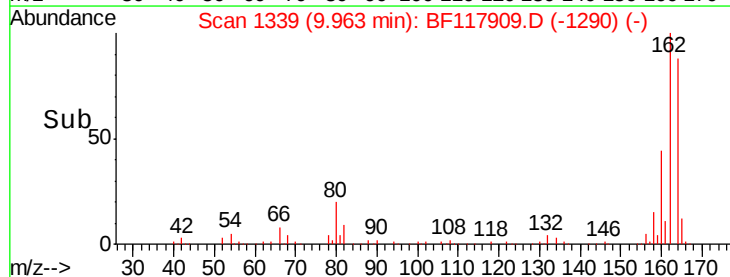
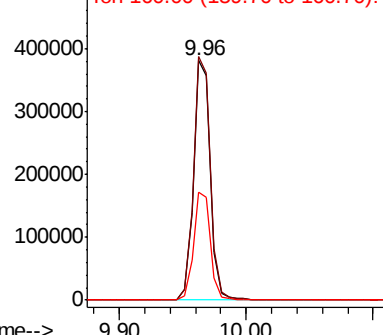
164 100

162 101.7 81.3 121.9

160 45.0 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

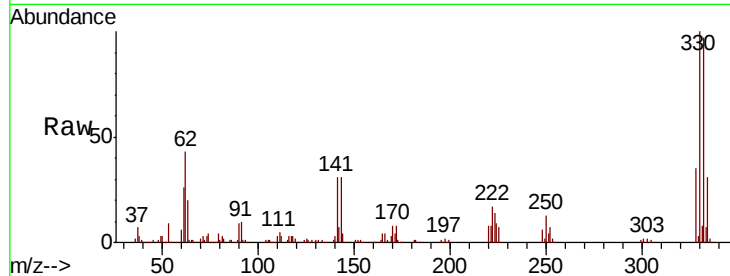




#42
 2,4,6-Tribromophenol
 Concen: 93.882 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117909.D
 Acq: 21 Nov 2019 13:53

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	33.9	27.7	41.5

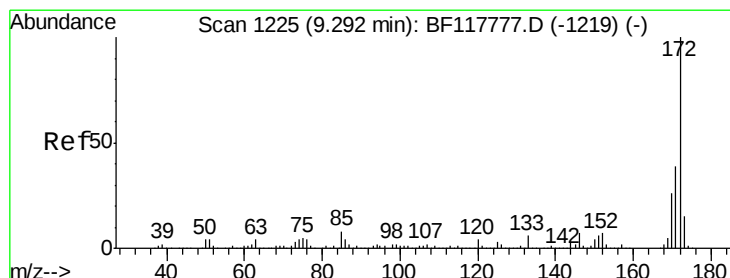
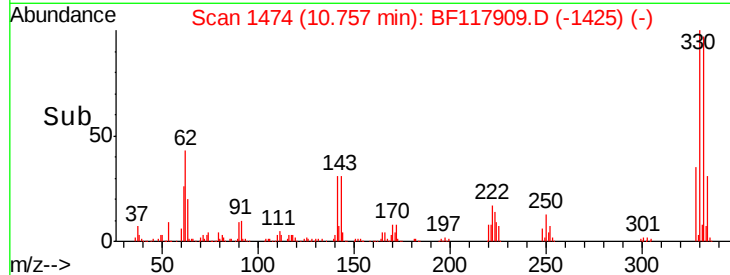
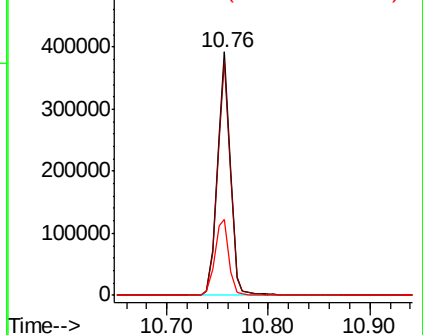


Abundance

Ion 329.80 (329.50 to 330.50): E

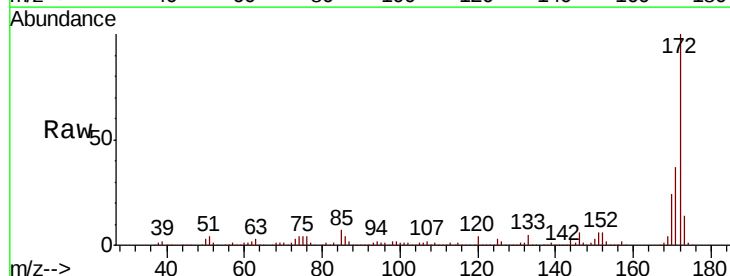
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 70.897 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117909.D
 Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.9	46.3
170	24.4	21.0	31.4

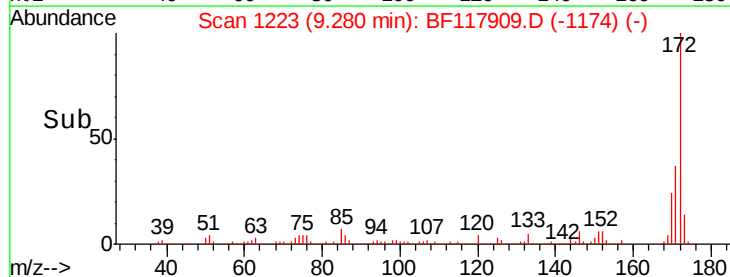
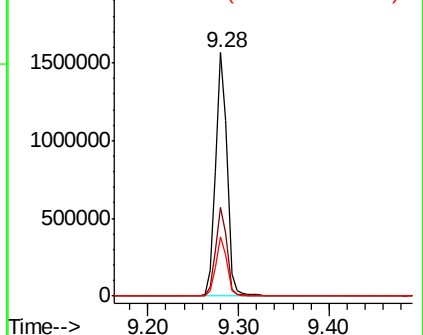


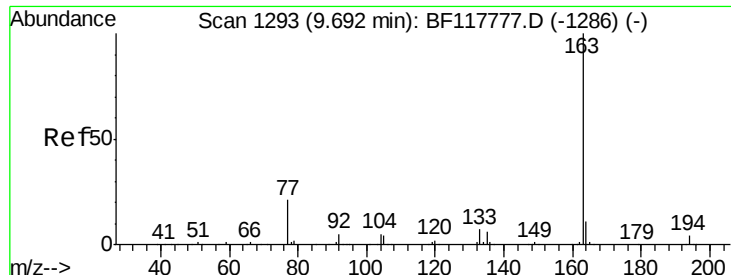
Abundance

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

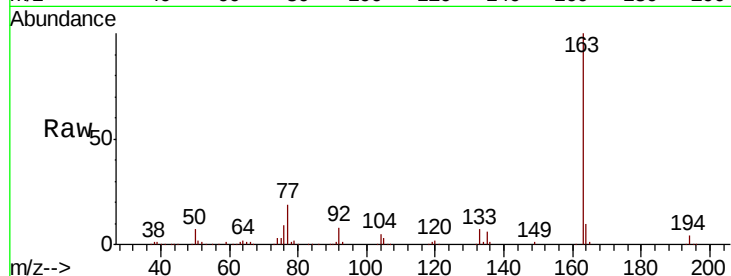




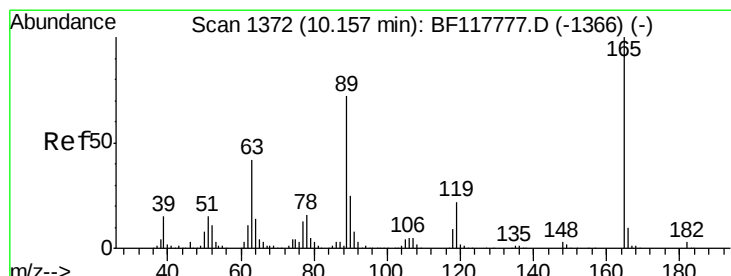
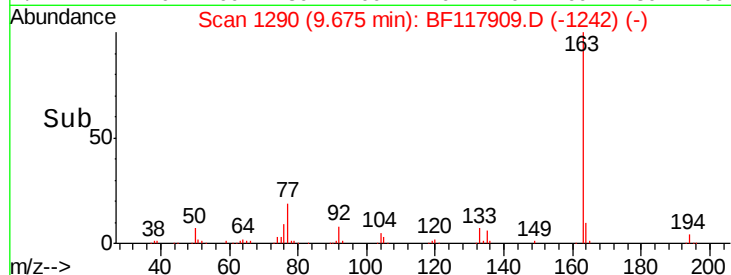
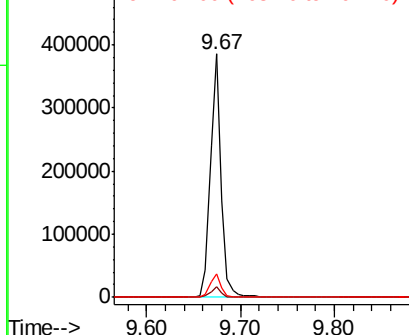
#50
Dimethylphthalate
Concen: 12.704 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion:163 Resp: 313286
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.9 8.7 13.1

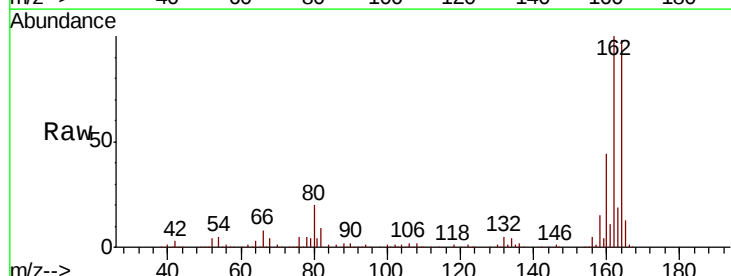


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

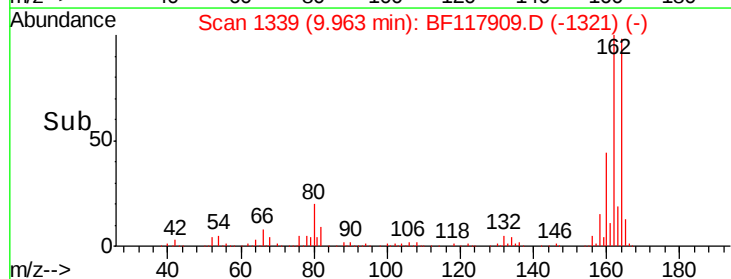
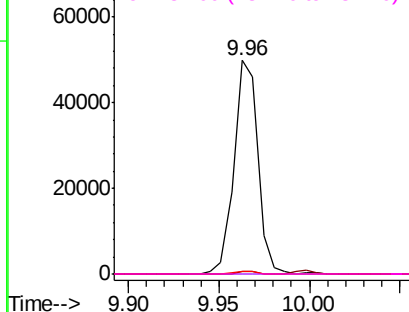


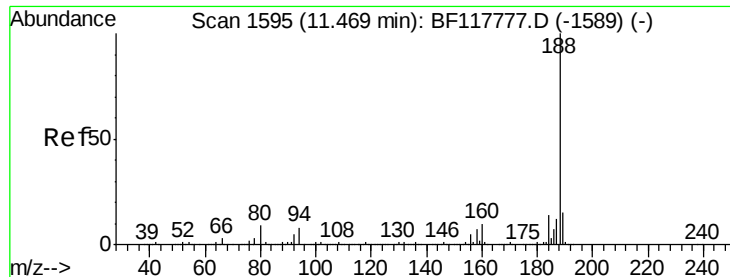
#57
2,4-Dinitrotoluene
Concen: 6.701 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion:165 Resp: 45940
Ion Ratio Lower Upper
165 100
63 1.3 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

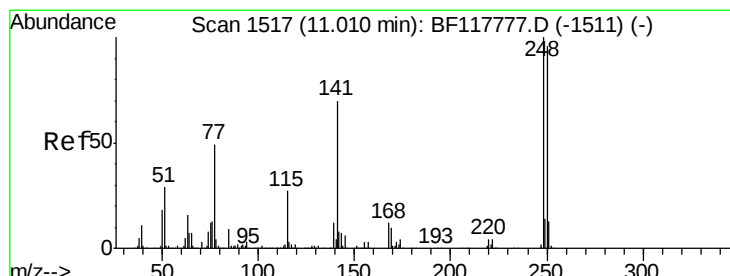
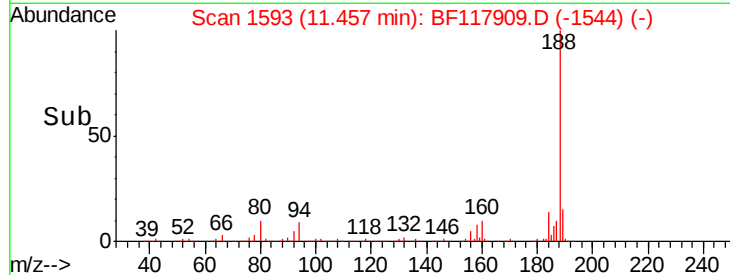
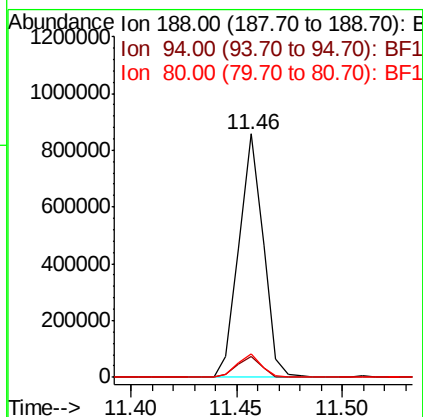
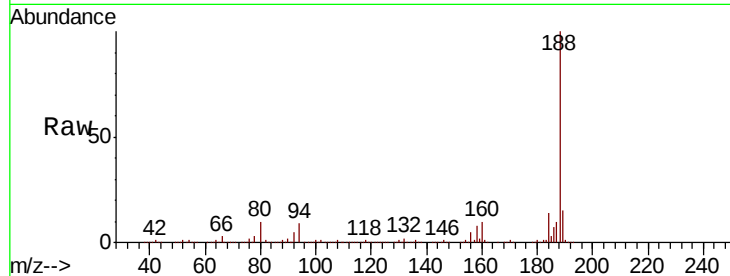




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

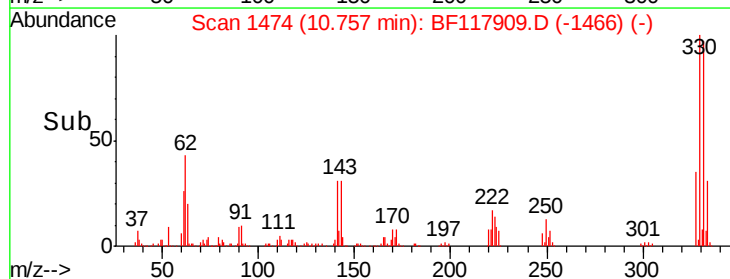
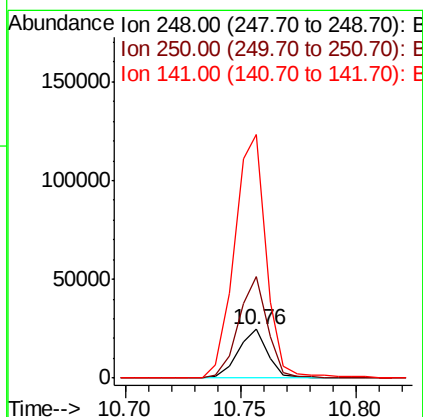
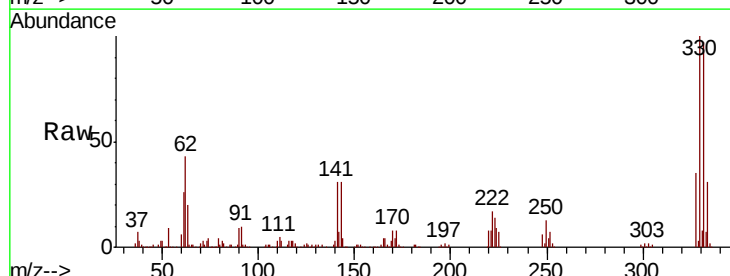
Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

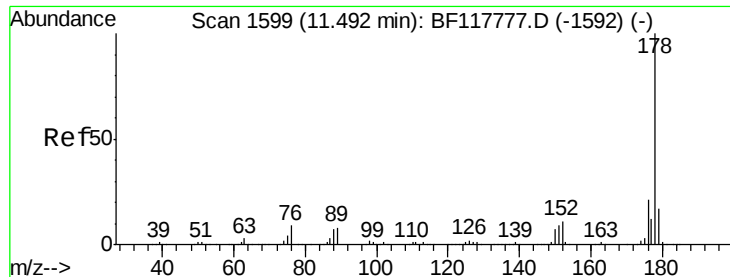
Tot Ion:188 Resp: 683848
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.7 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.978 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion:248 Resp: 21972
Ion Ratio Lower Upper
248 100
250 206.6 76.6 115.0#
141 497.7 55.9 83.9#

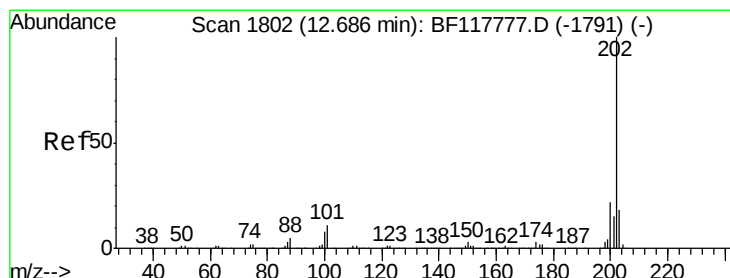
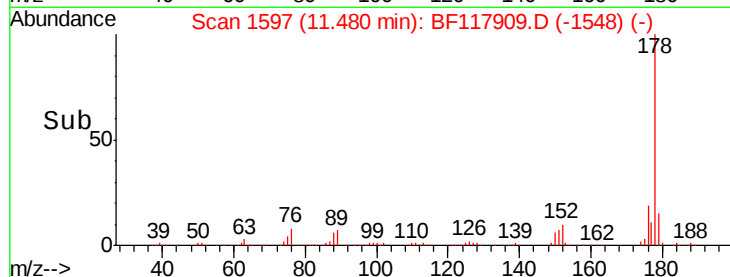
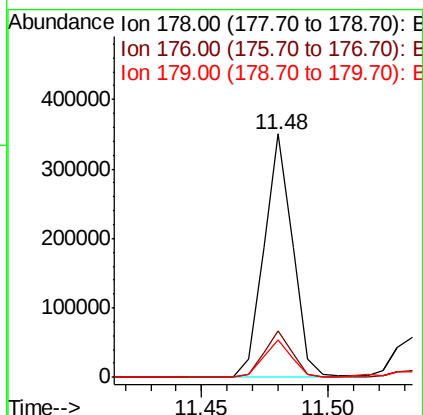
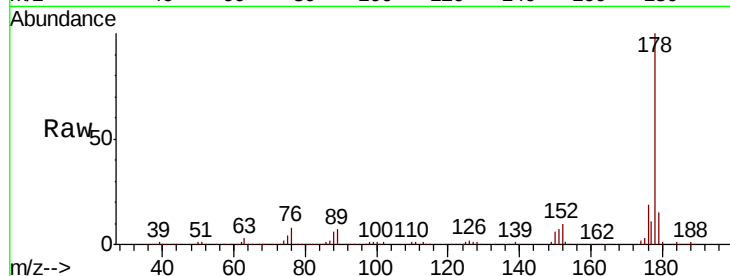




#71
Phenanthrene
Concen: 8.071 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

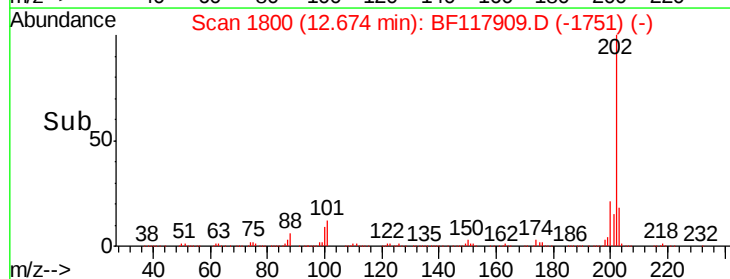
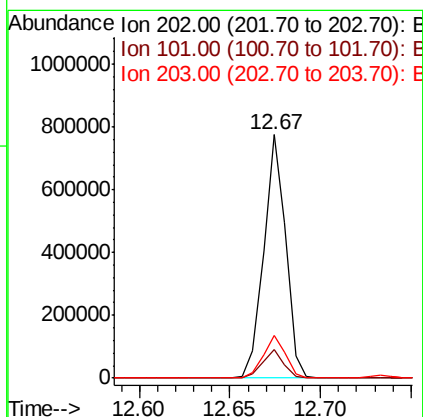
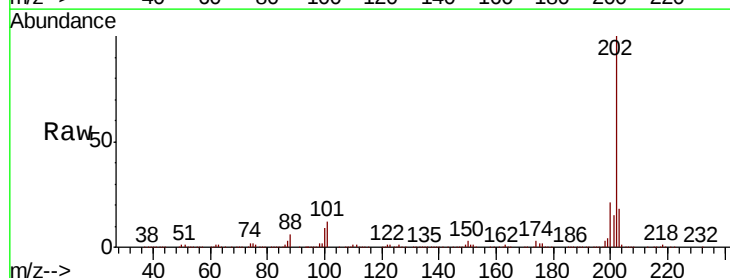
Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

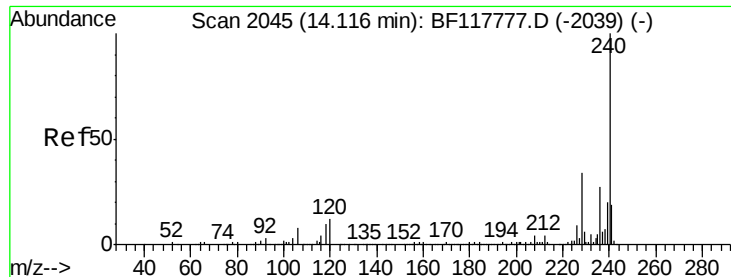
Tot Ion:178 Resp: 277508
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.4 13.2 19.8



#75
Fluoranthene
Concen: 15.928 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion:202 Resp: 650889
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.1
203 17.7 0.0 38.2

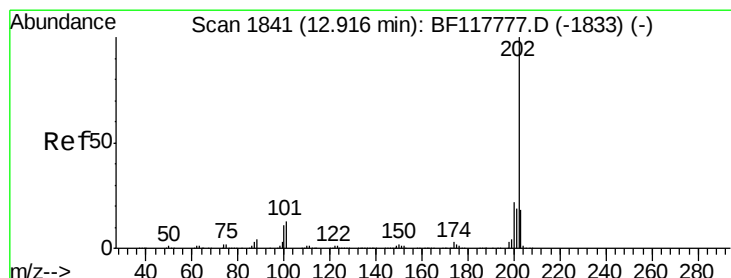
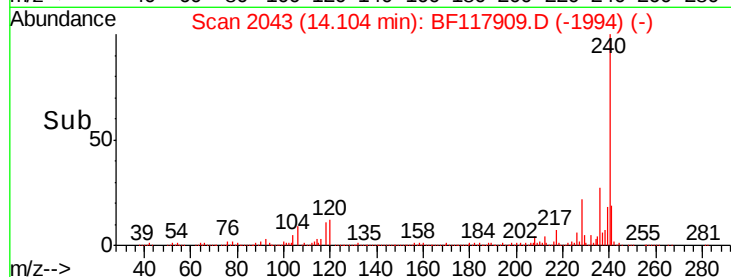
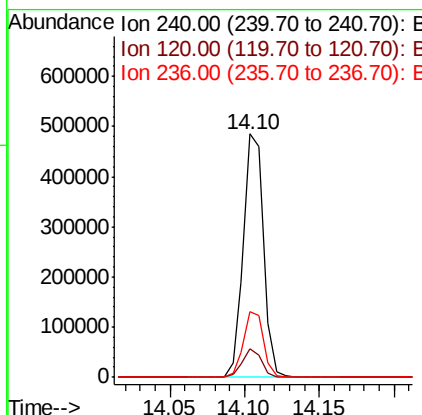
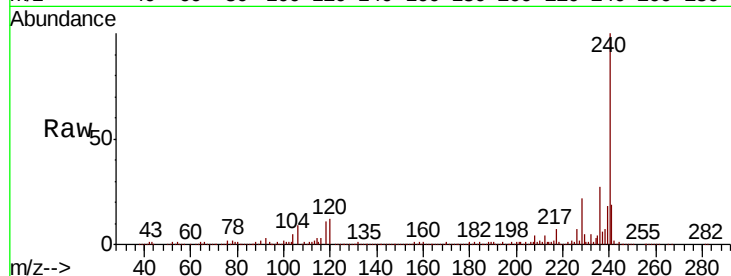




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

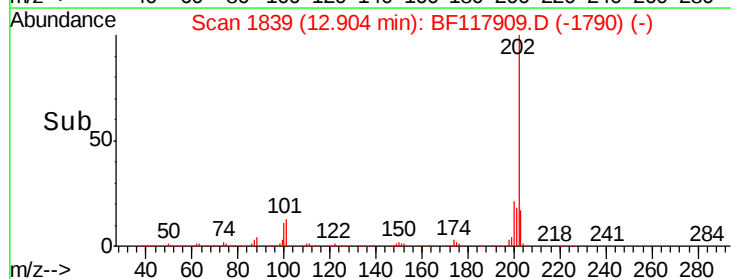
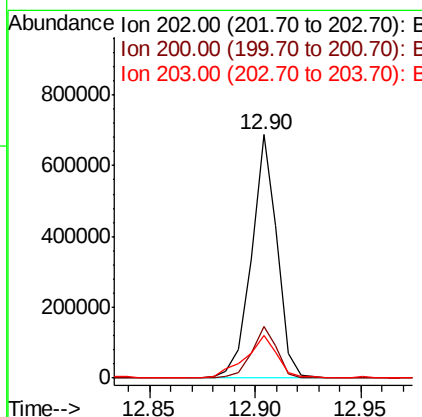
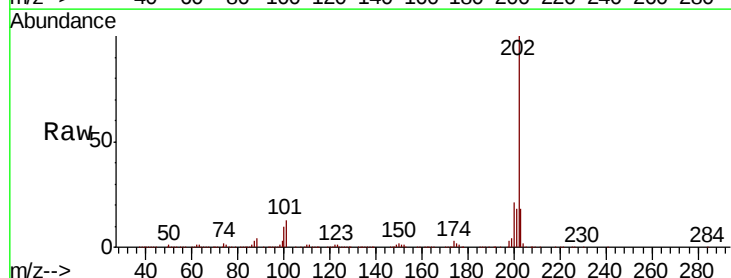
Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

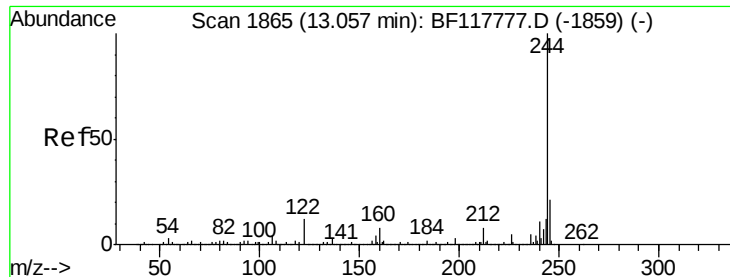
Tot Ion:240 Resp: 456781
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 26.9 21.3 31.9



#78
Pyrene
Concen: 15.712 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion:202 Resp: 580017
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.8
203 17.6 14.6 22.0





#79

Terphenyl-d14

Concen: 63.952 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

ClientSampleId :

RBR200027-1A-415

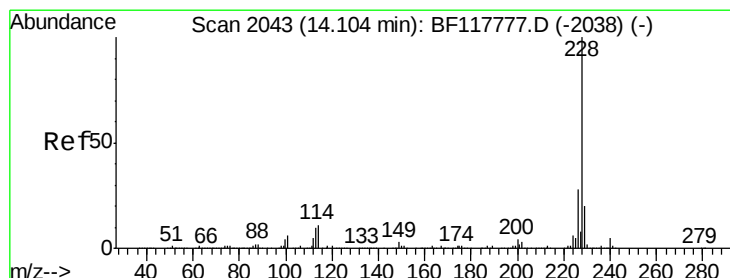
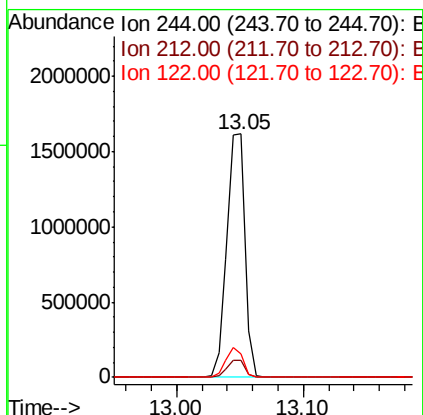
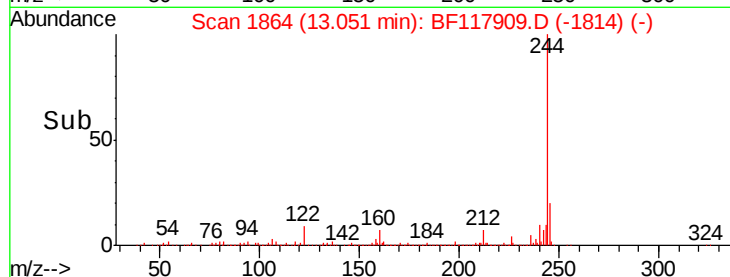
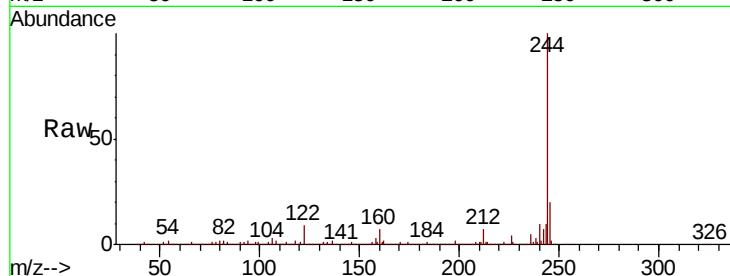
Tot Ion:244 Resp: 1598374

Ion Ratio Lower Upper

244 100

212 6.8 6.3 9.5

122 9.4 9.4 14.2



#81

Benzo(a)anthracene

Concen: 9.799 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

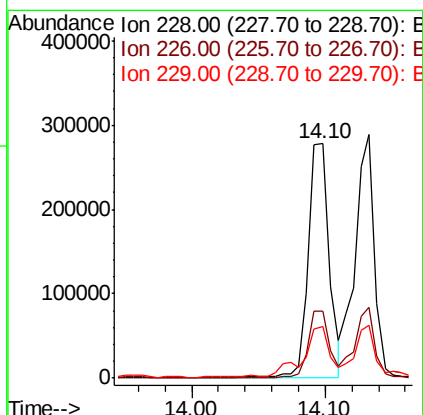
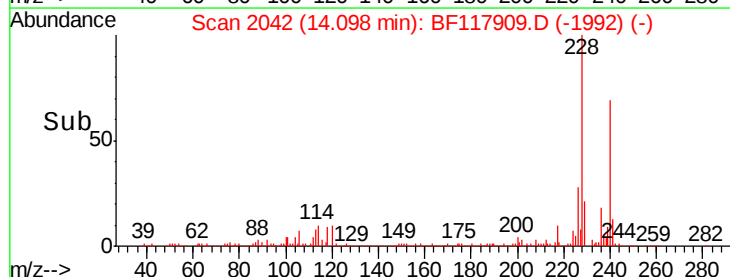
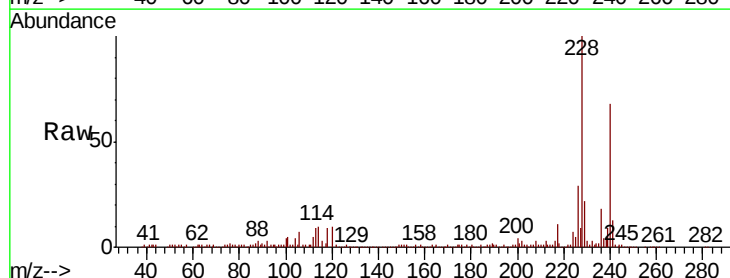
Tgt Ion:228 Resp: 295780

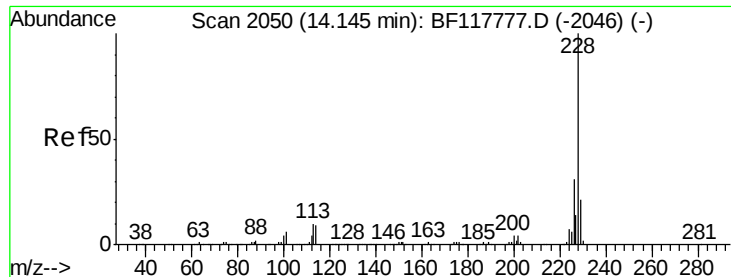
Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.2

229 22.3 15.9 23.9

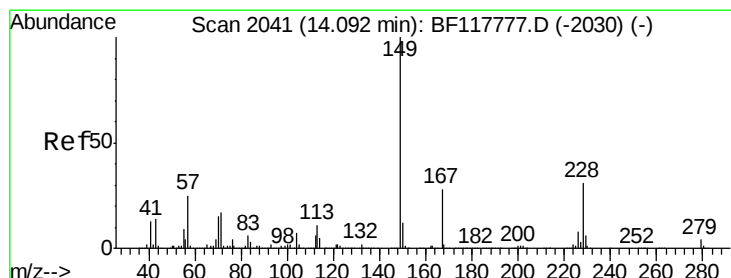
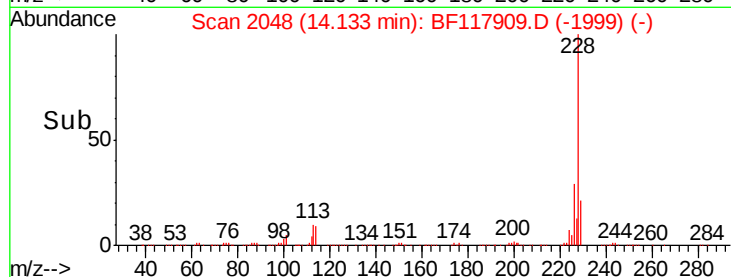
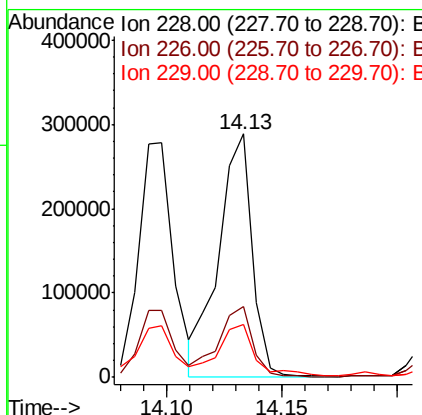
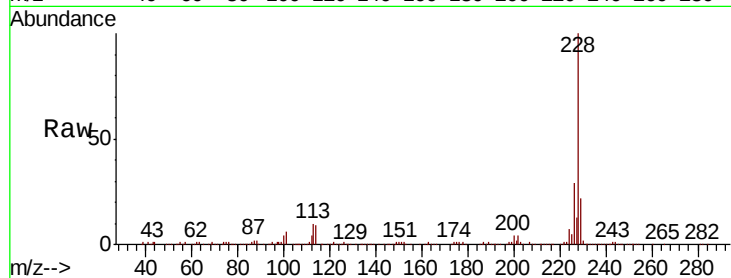




#83
Chrysene
Concen: 9.941 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

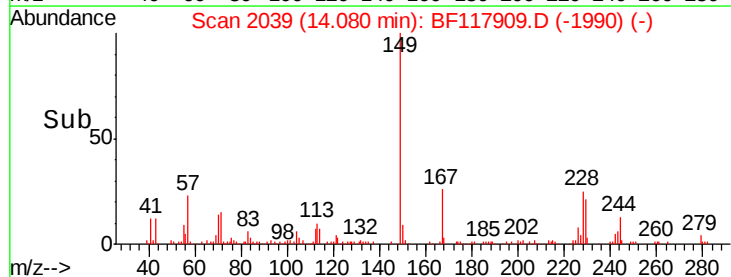
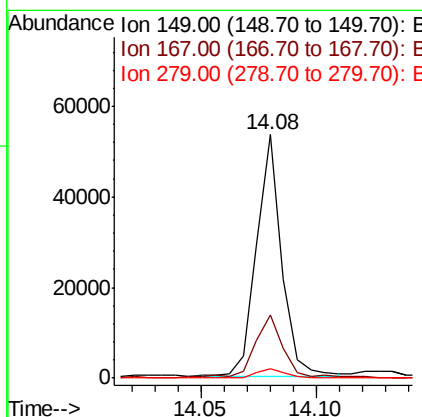
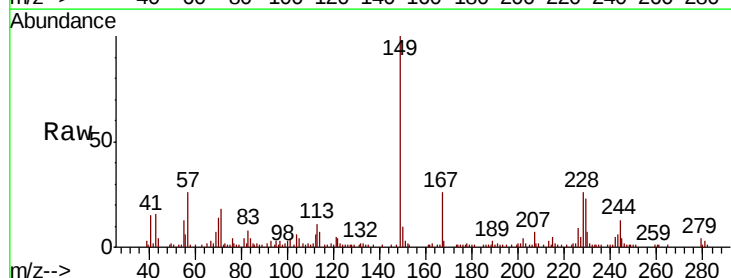
Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

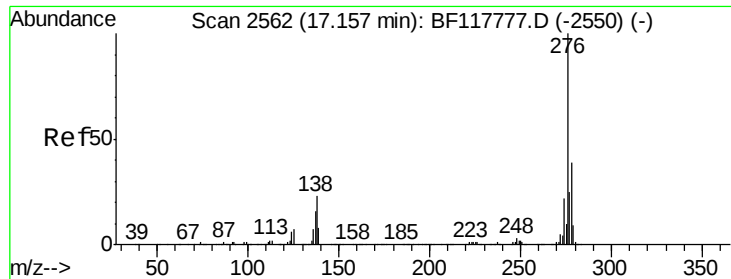
Tot Ion:228	Resp:	290771
Ion Ratio	Lower	Upper
228	100	
226	29.2	25.0 37.4
229	21.8	16.6 25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.121 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion:149	Resp:	40772
Ion Ratio	Lower	Upper
149	100	
167	26.1	22.2 33.2
279	4.0	3.4 5.2

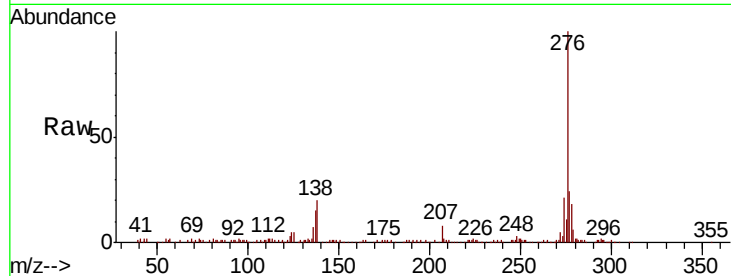




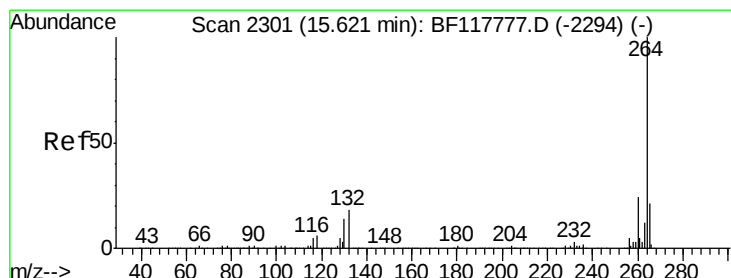
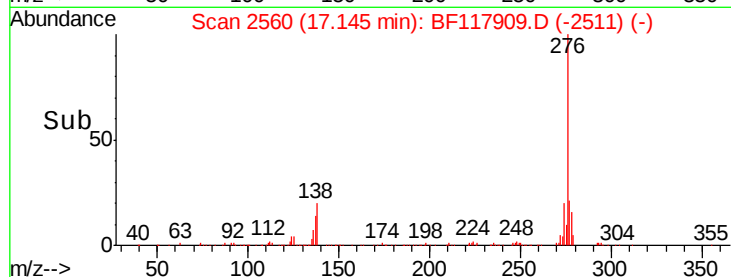
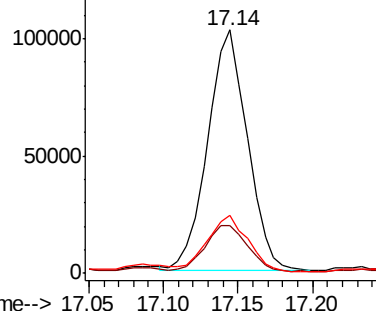
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.649 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.01 min
 Lab File: BF117909.D
 Acq: 21 Nov 2019 13:53

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	20.9	31.3
277	24.0	20.3	30.5

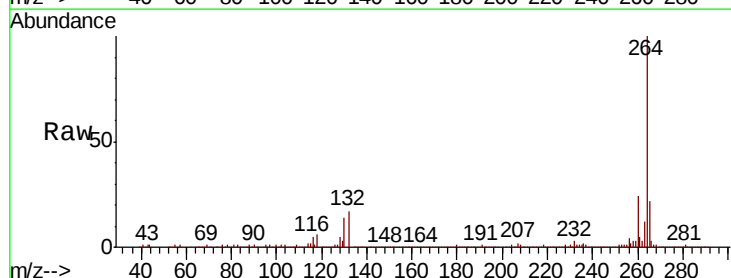


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

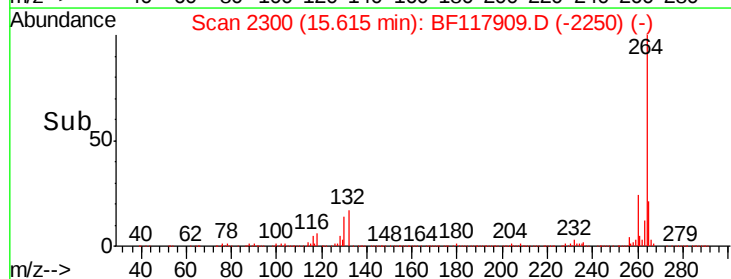
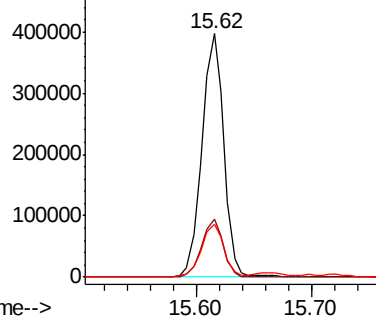


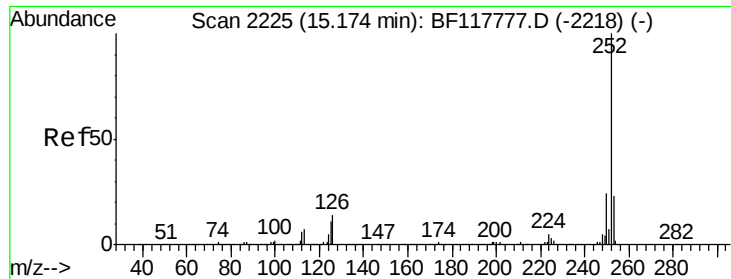
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117909.D
 Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.6	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

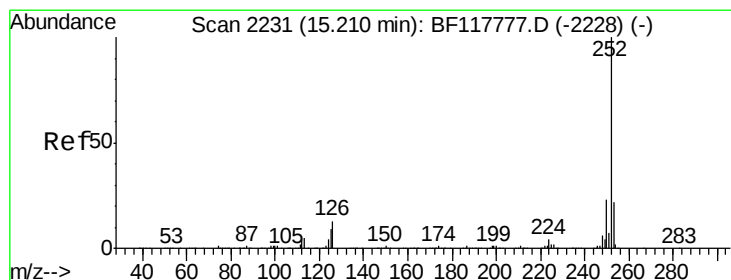
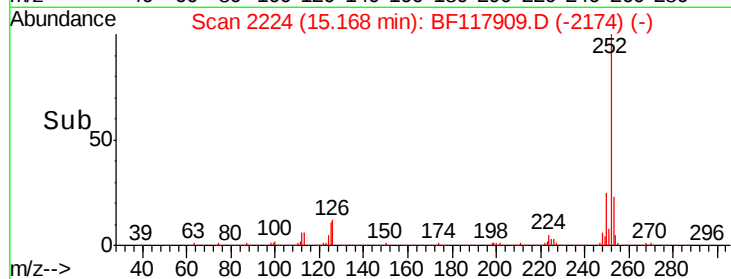
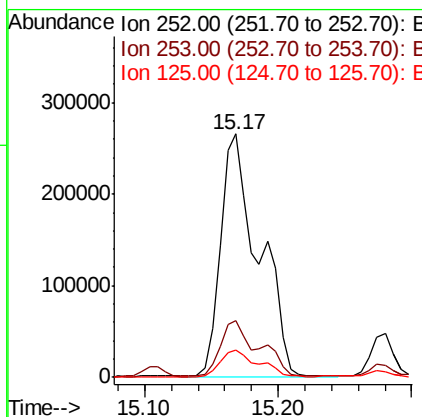
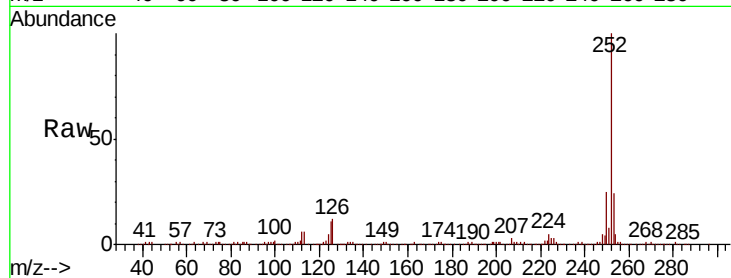




#88
Benzo(b)fluoranthene
Concen: 15.790 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

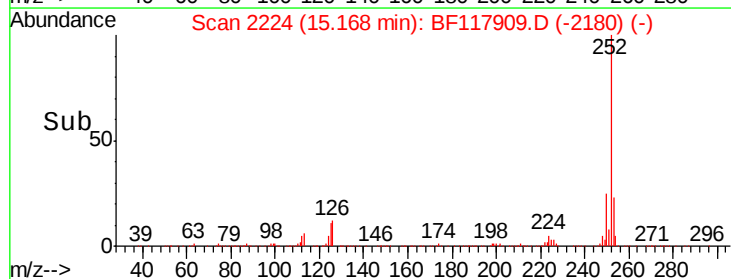
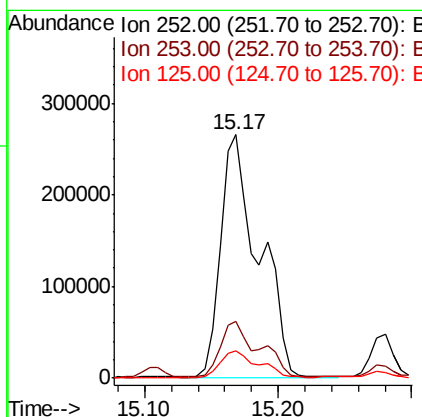
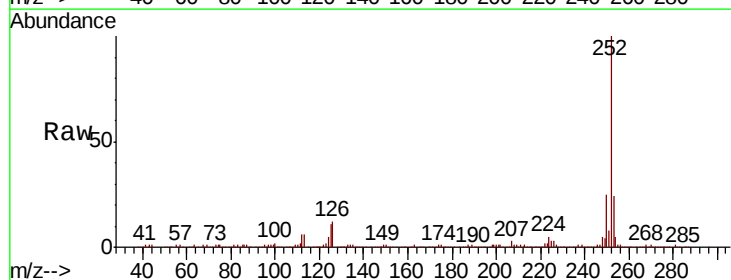
Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

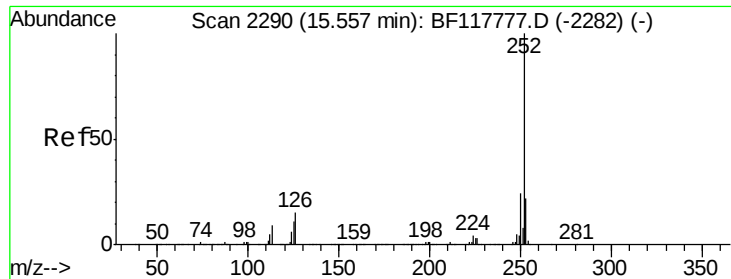
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.0	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 16.758 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.0	7.9	11.9

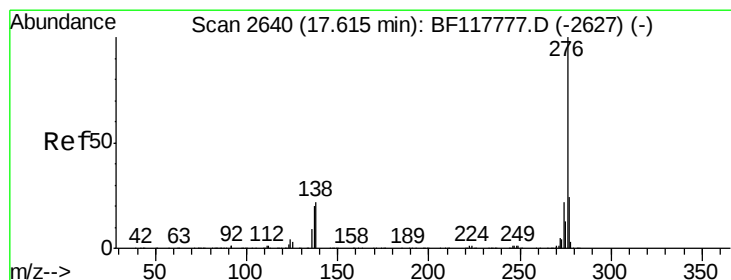
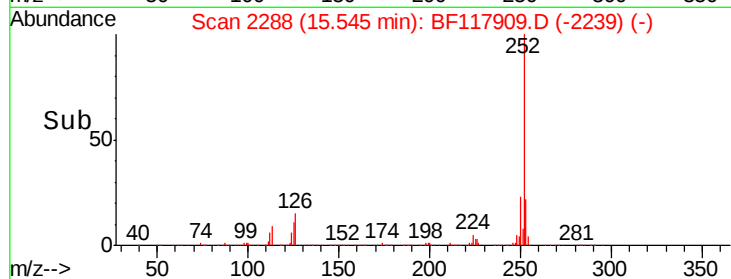
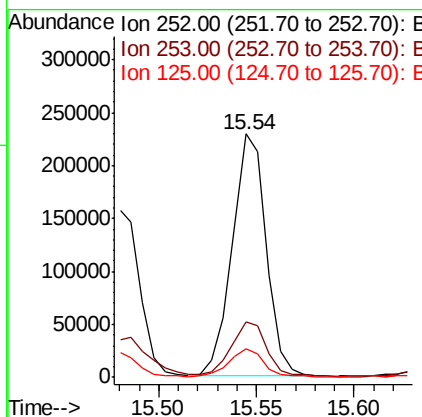
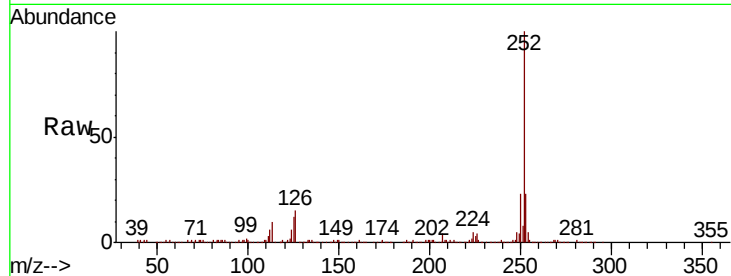




#90
Benzo(a)pyrene
Concen: 9.347 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.6	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 7.225 ng
RT: 17.61 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	22.8	17.4	26.2

