

Data File : BF118450.D
Acq On : 2 Jan 2020 22:06
Operator : JU
Sample : K6465-09RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-8

Quant Time: Jan 03 02:13:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	83501	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	357241	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	183112	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	310538	20.00	ng	0.00
76) Chrysene-d12	14.04	240	207809	20.00	ng	0.00
87) Perylene-d12	15.53	264	193501	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	515852	105.45	ng	0.00
7) Phenol-d6	6.49	99	651352	107.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	393879	63.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	177101	78.32	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	858545	71.57	ng	-0.01
79) Terphenyl-d14	12.97	244	766794	61.22	ng	-0.01

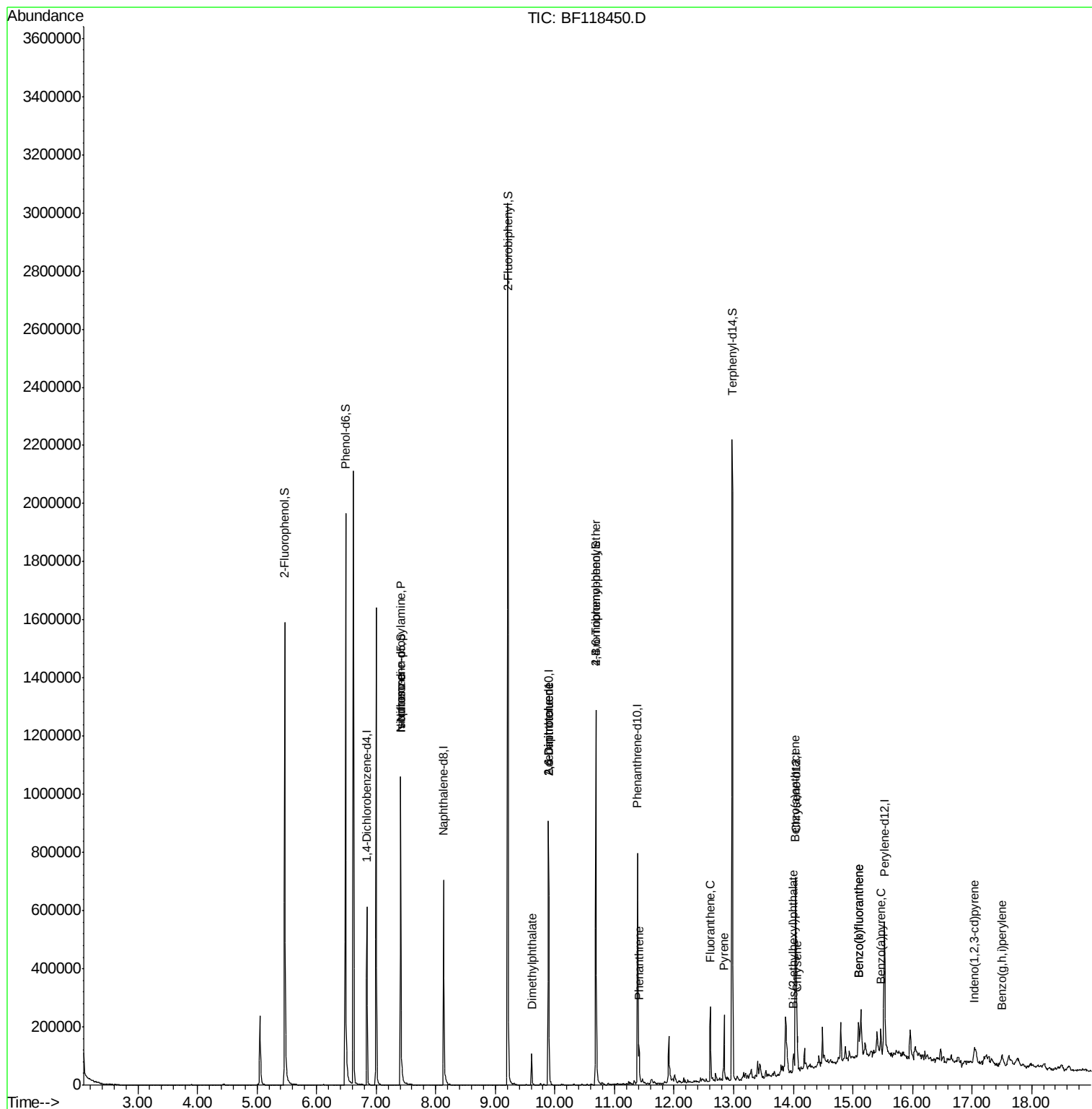
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	54888	14.683	ng	# 76
25) Isophorone	7.41	82	393876	36.184	ng	# 62
50) Dimethylphthalate	9.61	163	53049	3.859	ng	98
51) 2,6-Dinitrotoluene	9.89	165	23241	7.843	ng	# 26
57) 2,4-Dinitrotoluene	9.89	165	23241	5.869	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	10847	2.985	ng	# 1
71) Phenanthrene	11.41	178	45827	2.707	ng	99
75) Fluoranthene	12.61	202	95042	5.563	ng	99
78) Pyrene	12.84	202	85183	5.020	ng	99
81) Benzo(a)anthracene	14.03	228	48710	3.349	ng	98
83) Chrysene	14.07	228	45607	3.274	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	21894	2.179	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.04	276	24692	2.081	ng	97
88) Benzo(b)fluoranthene	15.10	252	85071	6.623	ng	# 97
89) Benzo(k)fluoranthene	15.10	252	85071	6.898	ng	# 98
90) Benzo(a)pyrene	15.47	252	40556	3.584	ng	# 92
92) Benzo(g,h,i)perylene	17.50	276	24630	2.597	ng	# 92

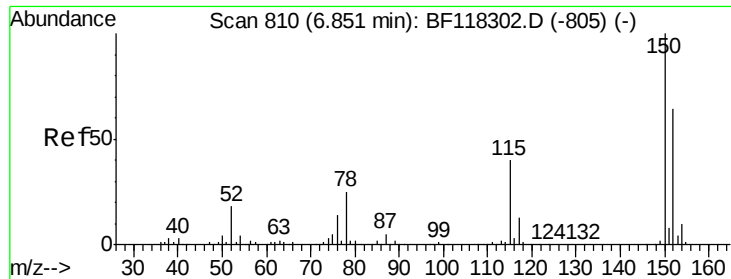
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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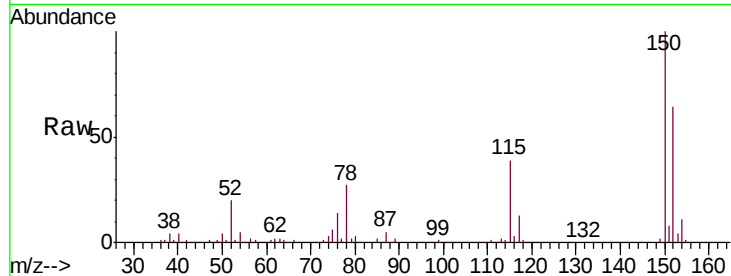




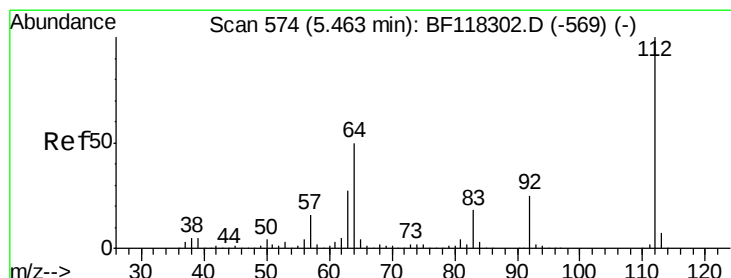
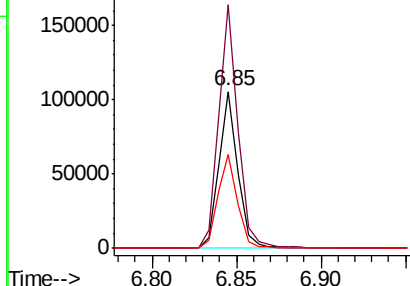
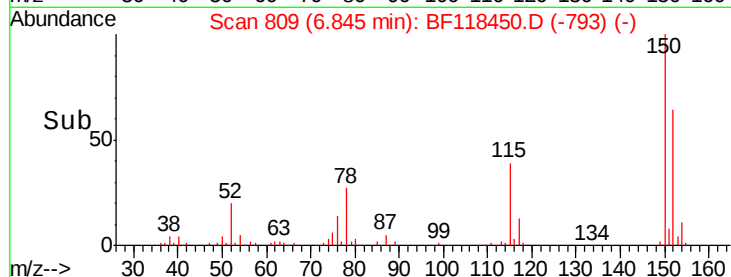
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Instrument :
 BNA_F
 ClientSampleId :
 SS-8

Tgt Ion:152 Resp: 83501
 Ion Ratio Lower Upper
 152 100
 150 155.4 125.4 188.2
 115 60.2 50.2 75.4

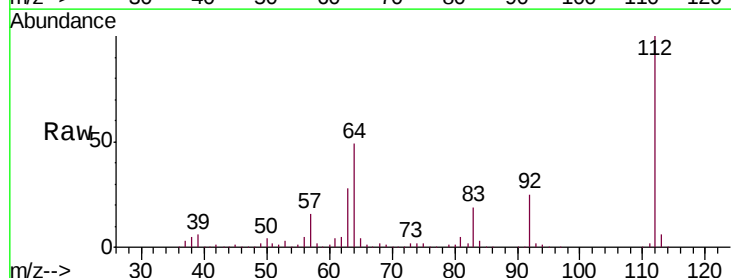


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

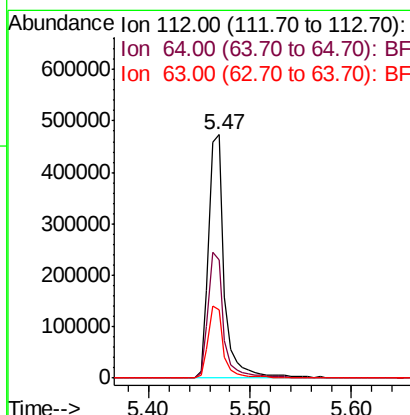
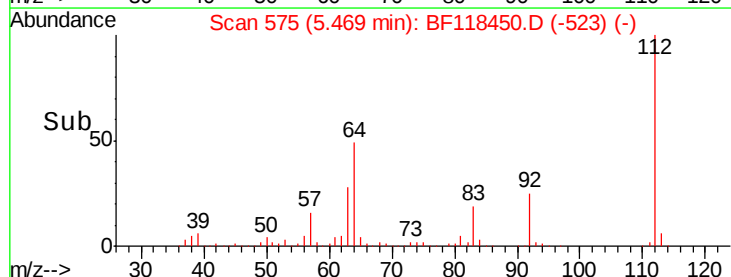


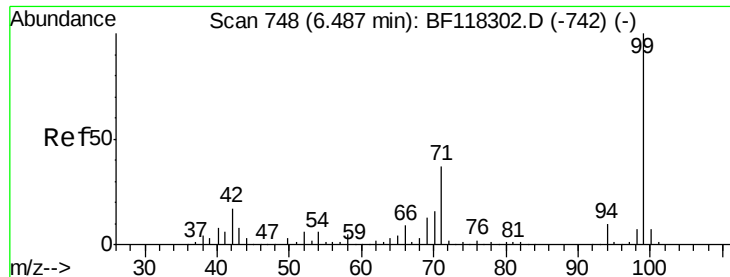
#5
 2-Fluorophenol
 Concen: 105.454 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Tgt Ion:112 Resp: 515852
 Ion Ratio Lower Upper
 112 100
 64 48.6 39.7 59.5
 63 28.1 21.7 32.5



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: 107.337 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

Instrument :

BNA_F

ClientSampleId :

SS-8

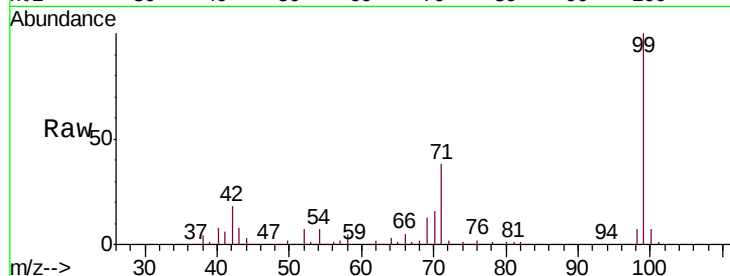
Tgt Ion: 99 Resp: 651352

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 38.2 29.4 44.2



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

800000

600000

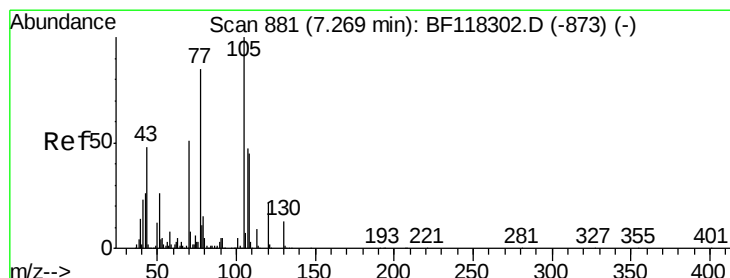
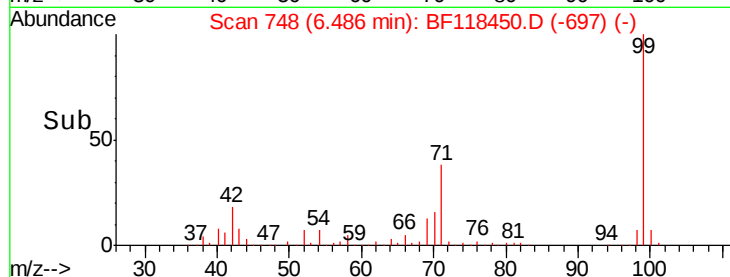
400000

200000

0

6.40 6.50 6.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.683 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

Tgt Ion: 70 Resp: 54888

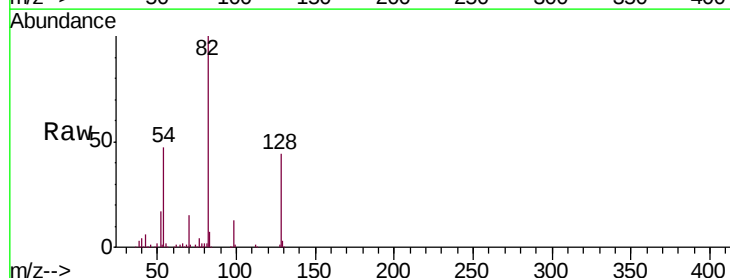
Ion Ratio Lower Upper

70 100

42 42.3 41.1 61.7

101 0.0 8.3 12.5#

130 2.3 20.1 30.1#



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

80000

60000

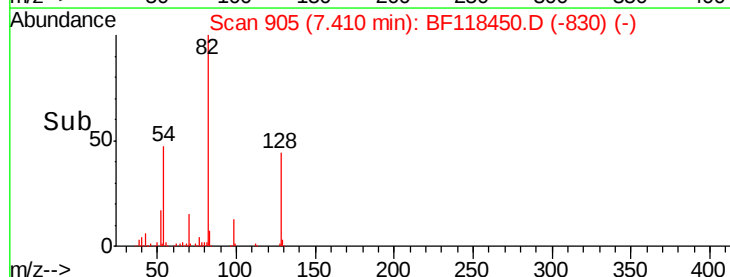
40000

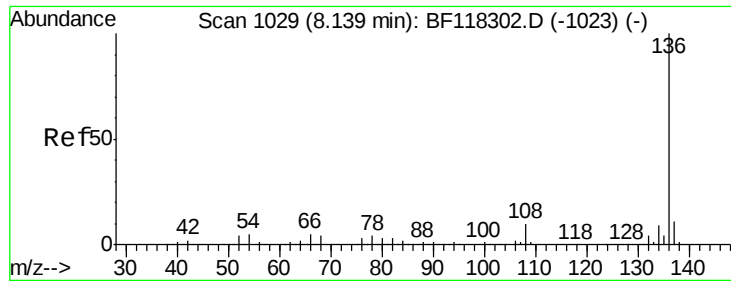
20000

0

7.35 7.40 7.45 7.50

Time-->

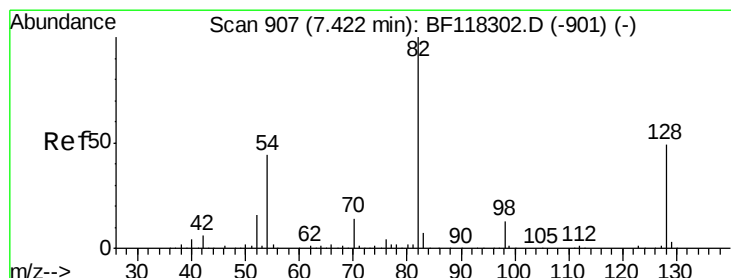
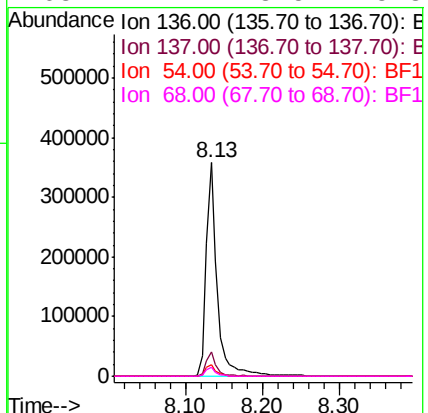
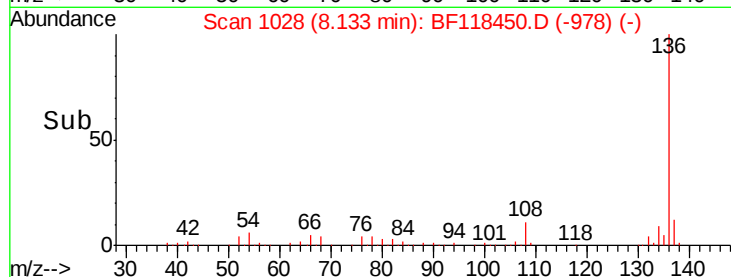
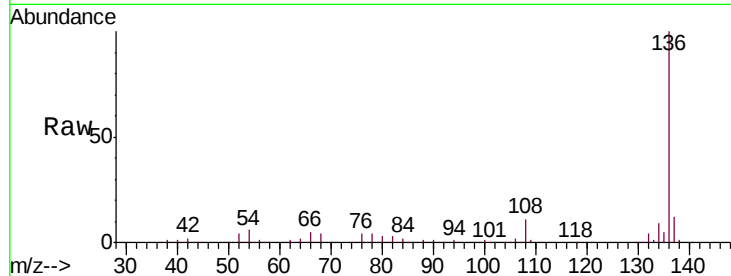




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

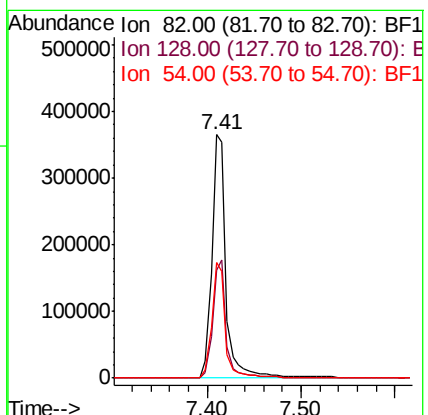
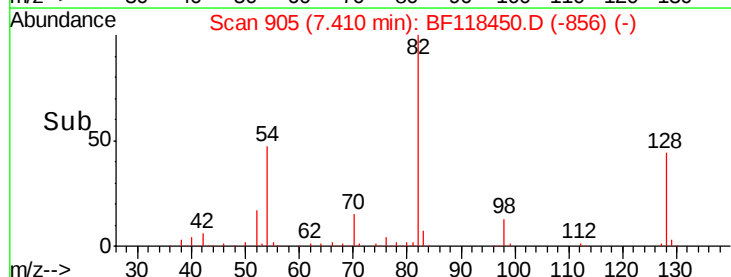
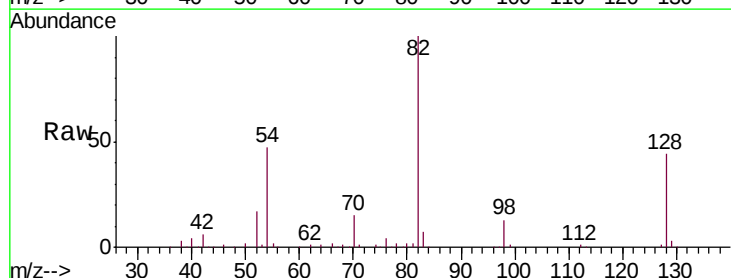
Instrument :
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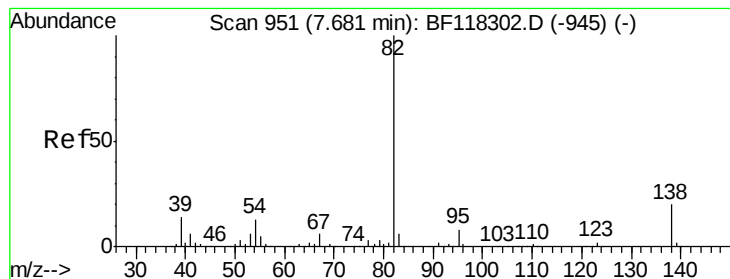
Tgt Ion:	136	Resp:	357241
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	5.7	4.2	6.4
68	4.2	3.5	5.3



#23
Nitrobenzene-d5
Concen: 63.061 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Tgt Ion:	82	Resp:	393879
Ion	Ratio	Lower	Upper
82	100		
128	44.2	39.6	59.4
54	47.3	34.9	52.3





#25

Isophorone

Concen: 36.184 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

Instrument :

BNA_F

ClientSampled :

SS-8

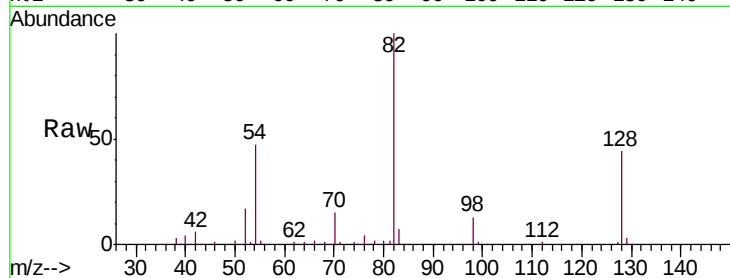
Tgt Ion: 82 Resp: 393876

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

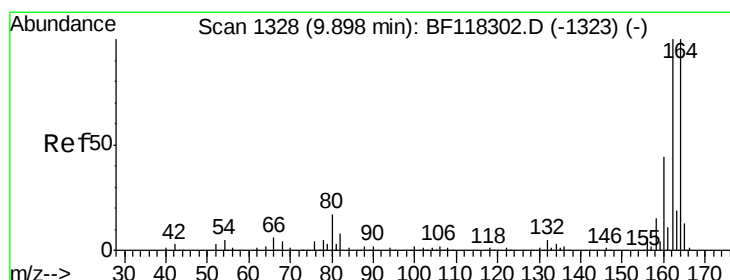
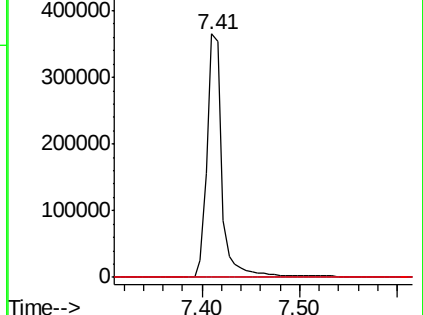
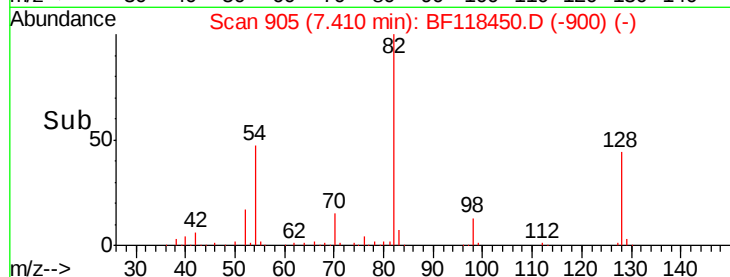
138 0.0 16.2 24.2#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

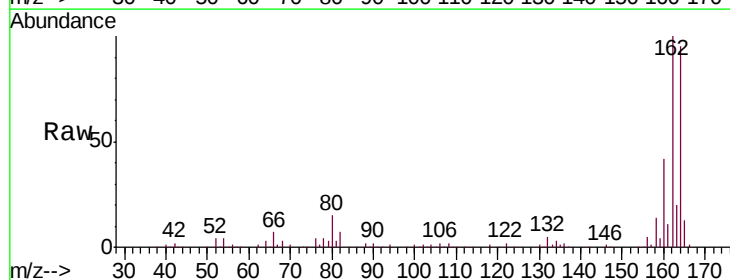
Tgt Ion: 164 Resp: 183112

Ion Ratio Lower Upper

164 100

162 105.5 80.0 120.0

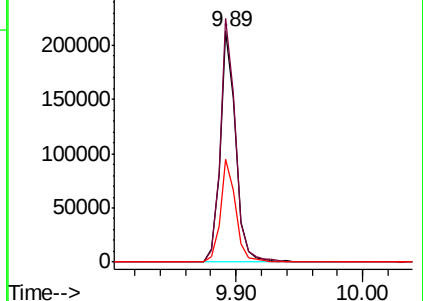
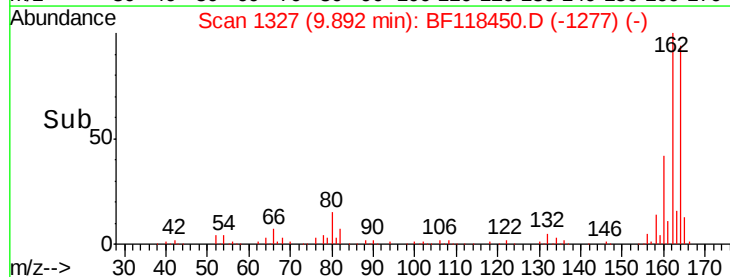
160 44.4 34.8 52.2

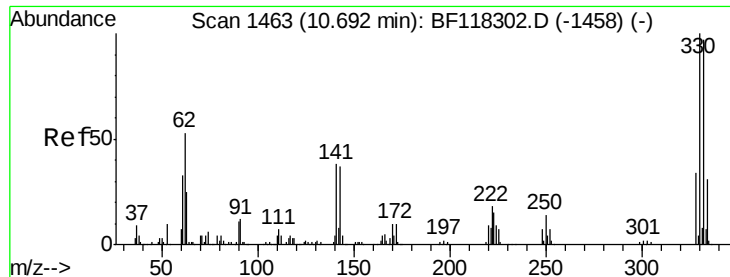


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

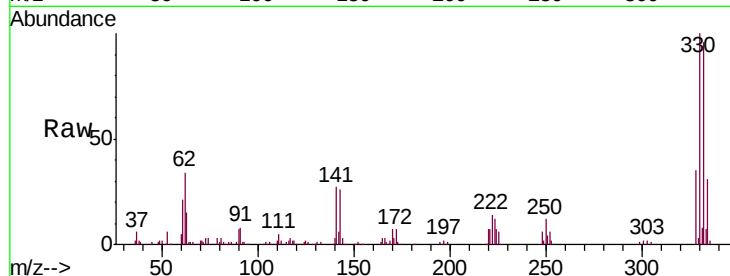




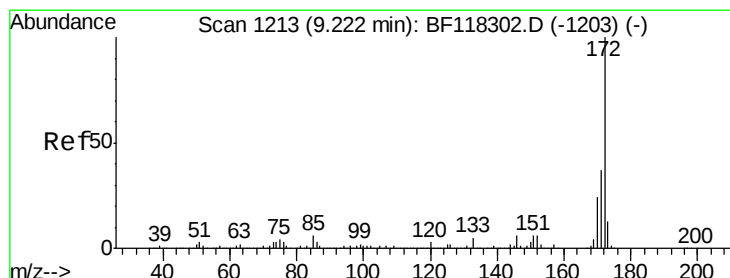
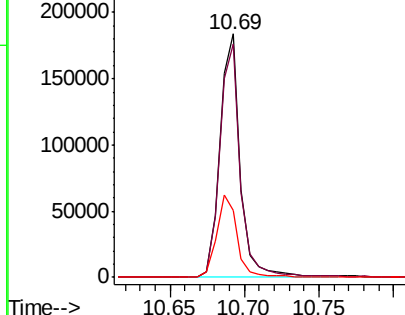
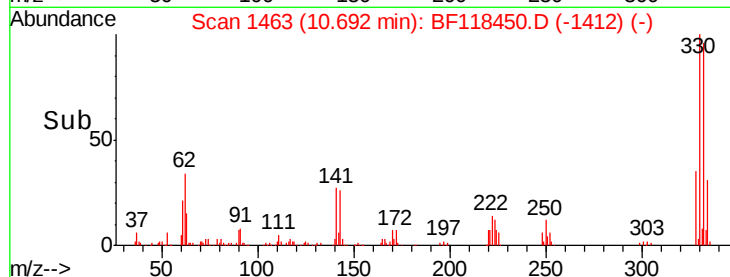
#42
 2,4,6-Tribromophenol
 Concen: 78.318 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Instrument :
 BNA_F
 ClientSampleId :
 SS-8

Tgt Ion:330 Resp: 177101
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 34.6 26.0 39.0

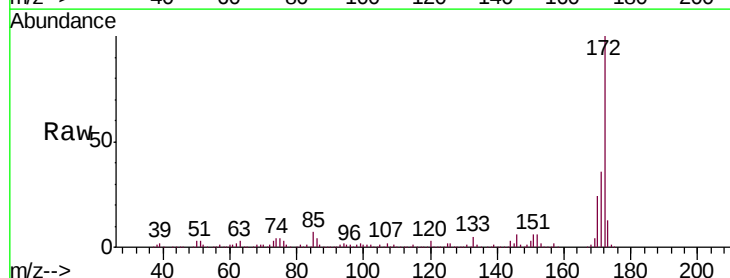


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

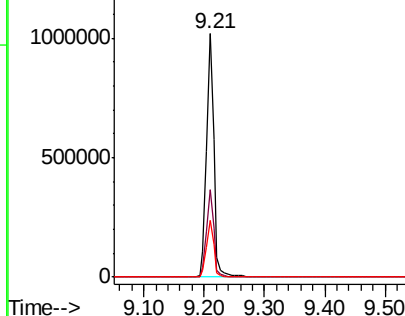
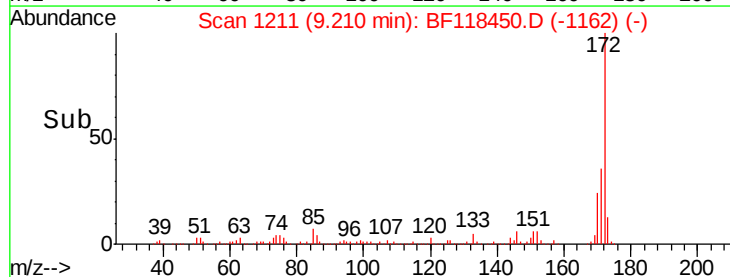


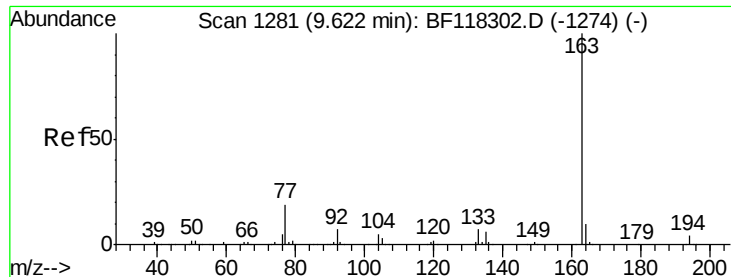
#45
 2-Fluorobiphenyl
 Concen: 71.571 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Tgt Ion:172 Resp: 858545
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.3 43.9
 170 23.5 19.2 28.8



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

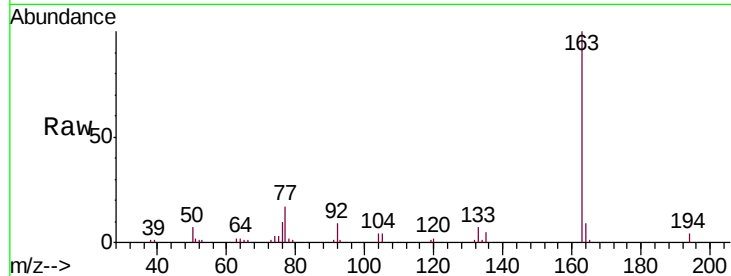




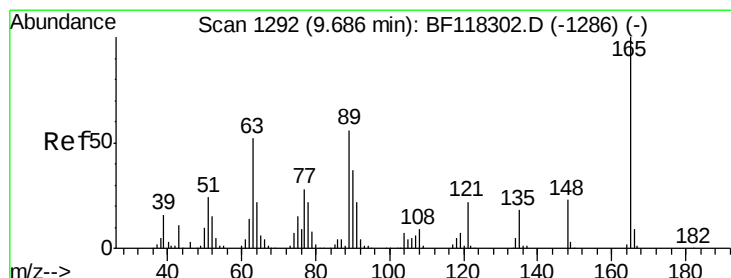
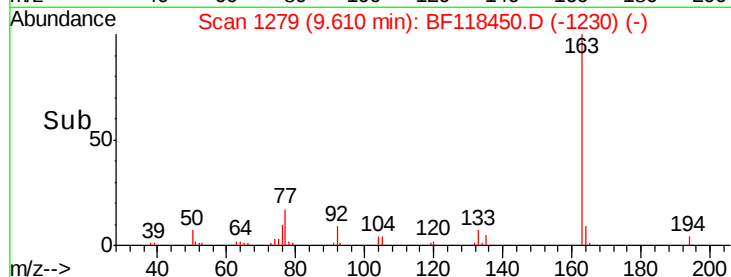
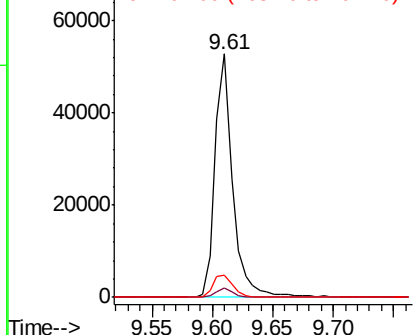
#50
Dimethylphthalate
Concen: 3.859 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Instrument :
BNA_F
ClientSampleId :
SS-8

Tgt Ion:163 Resp: 53049
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.1 7.9 11.9

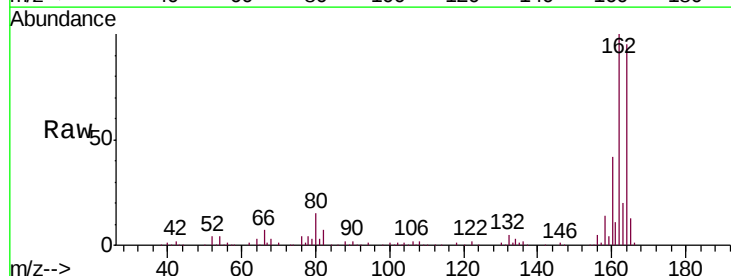


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

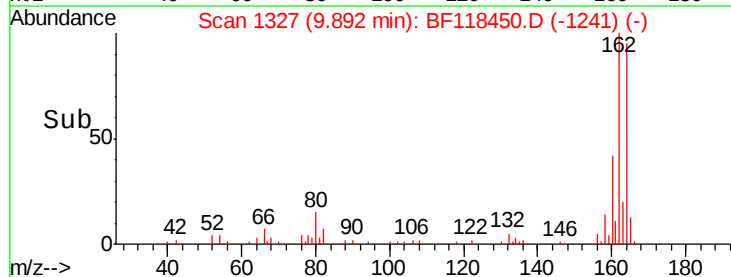
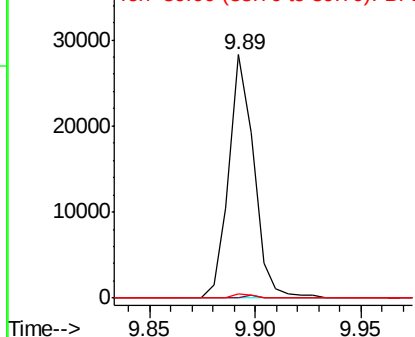


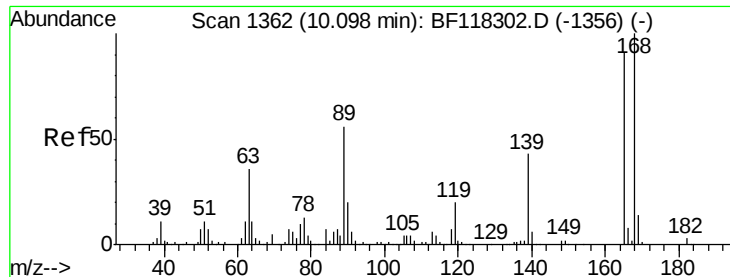
#51
2,6-Dinitrotoluene
Concen: 7.843 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Tgt Ion:165 Resp: 23241
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 1.6 44.4 66.6#



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

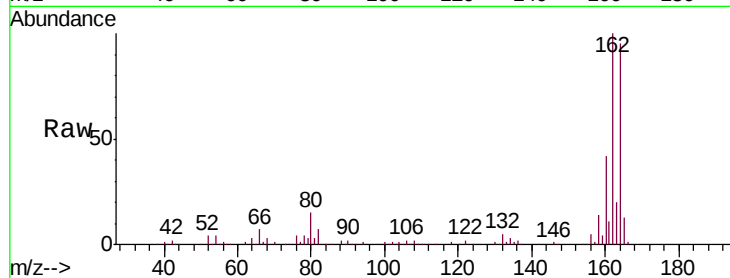




#57
 2,4-Dinitrotoluene
 Concen: 5.869 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Instrument :
 BNA_F
 ClientSampleId :
 SS-8

Tgt Ion:	165	Resp:	23241
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.6	49.3	73.9#
182	0.0	2.4	3.6#

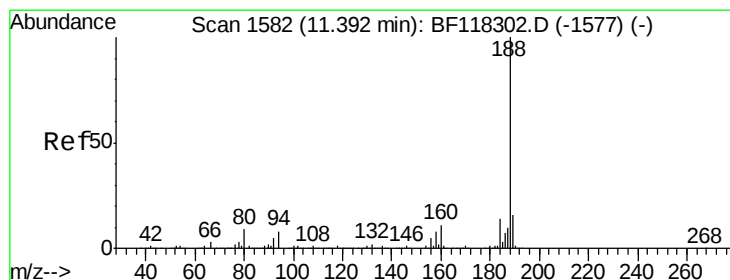
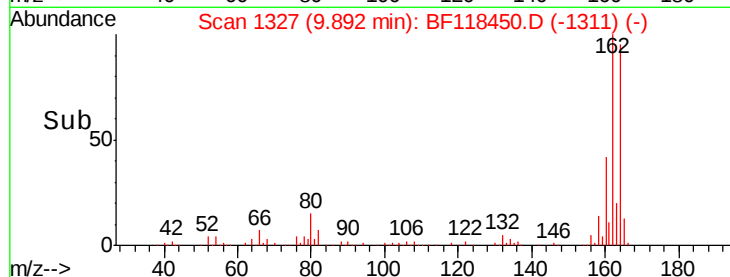
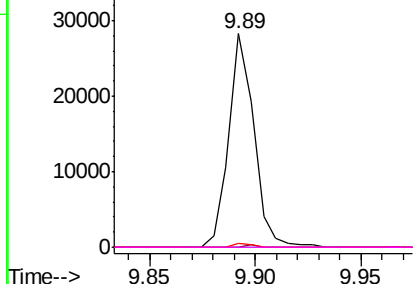


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

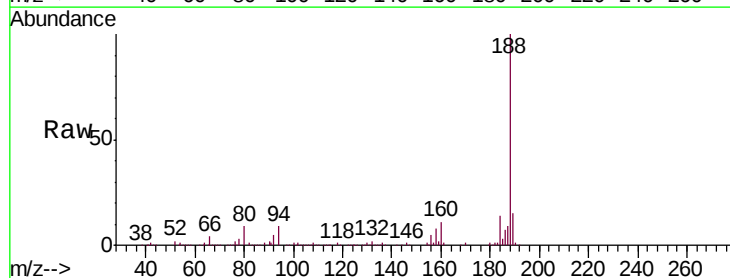
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

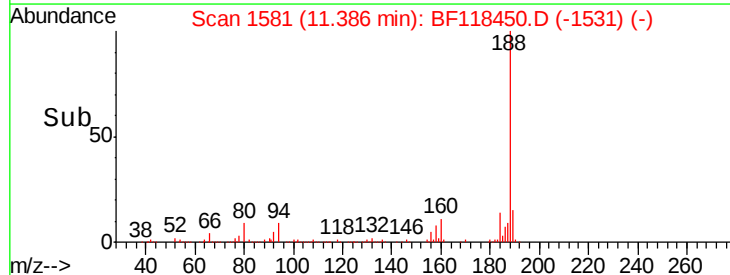
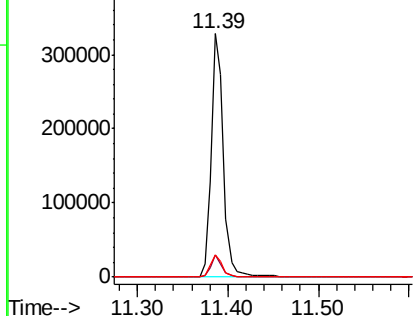
Tgt Ion:	188	Resp:	310538
Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.7	10.1
80	8.9	7.2	10.8

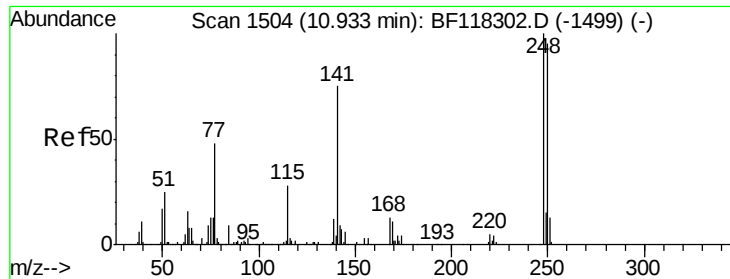


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

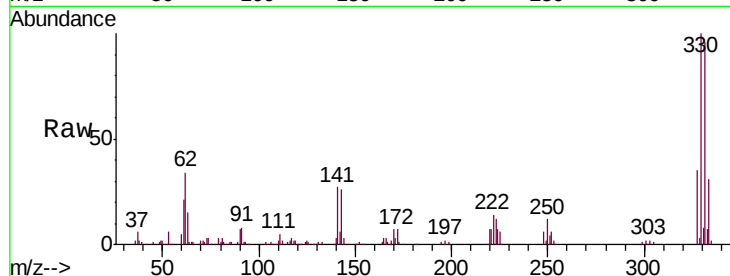




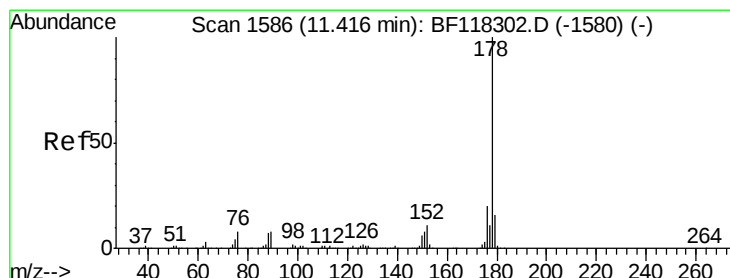
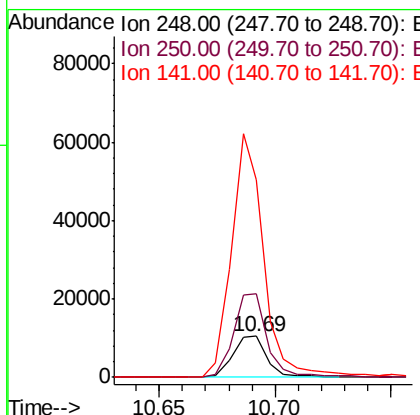
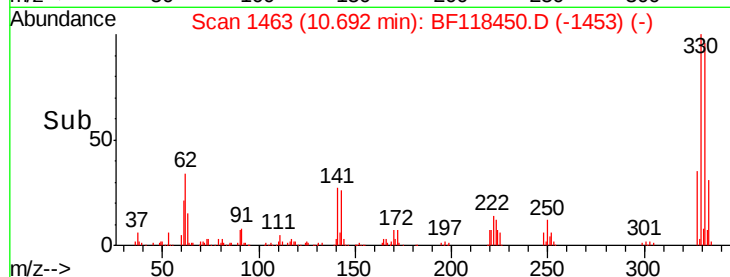
#67
 4-Bromophenyl-phenylether
 Concen: 2.985 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Instrument :
 BNA_F
 ClientSampleId :
 SS-8

Tgt Ion:248 Resp: 10847
 Ion Ratio Lower Upper
 248 100
 250 204.6 76.4 114.6#
 141 483.8 60.2 90.2#

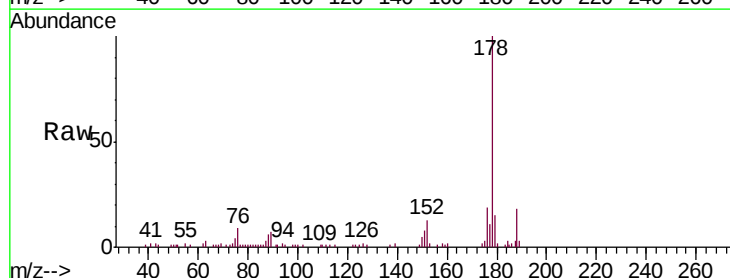


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

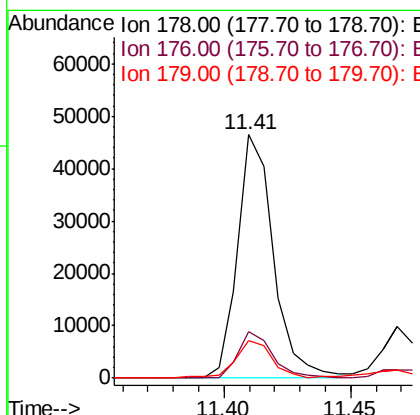
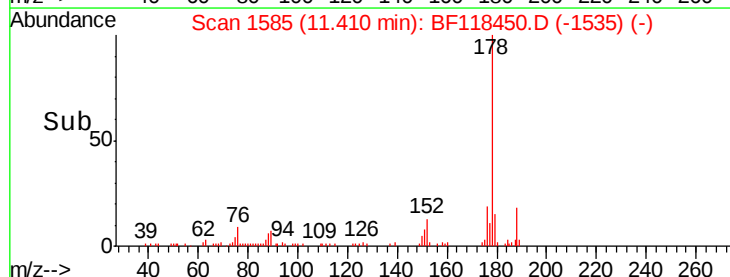


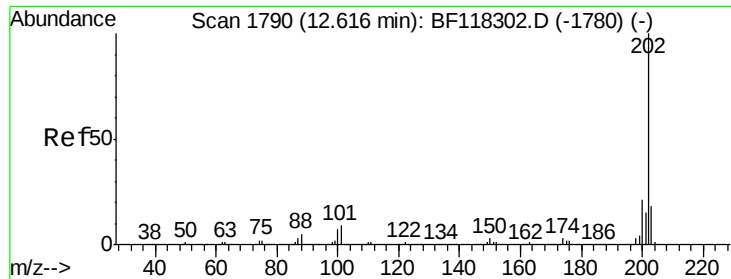
#71
 Phenanthrene
 Concen: 2.707 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Tgt Ion:178 Resp: 45827
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 15.2 12.6 19.0



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: 5.563 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

Instrument :

BNA_F

ClientSampleId :

SS-8

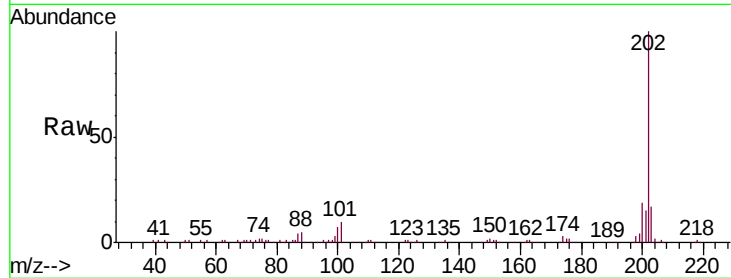
Tgt Ion:202 Resp: 95042

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.5

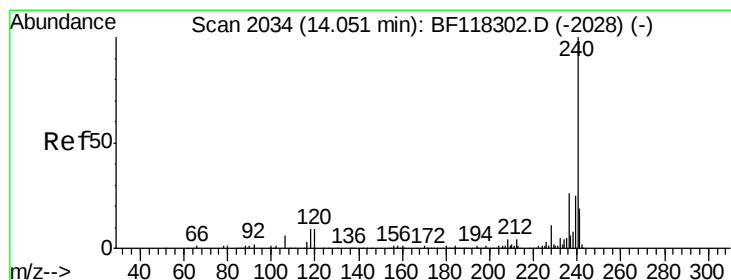
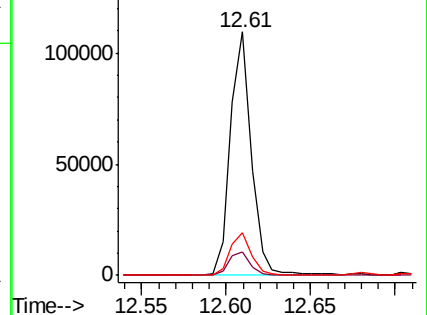
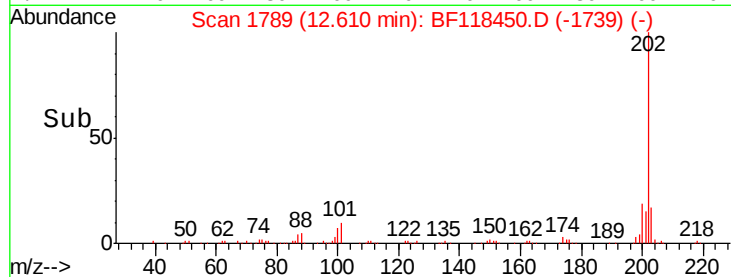
203 17.4 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

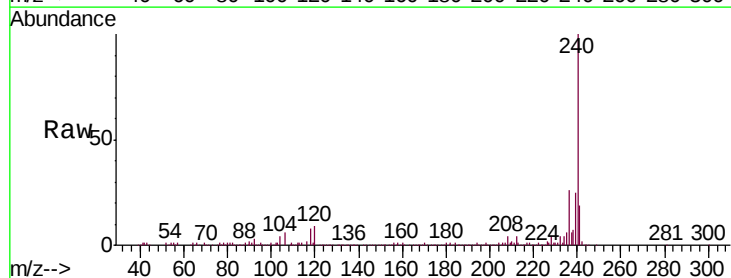
Tgt Ion:240 Resp: 207809

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

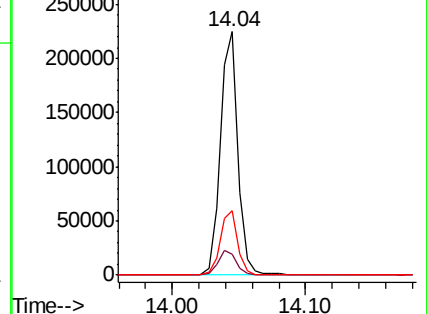
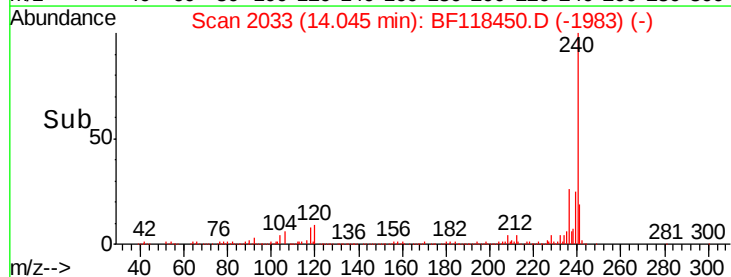
236 26.3 21.0 31.6

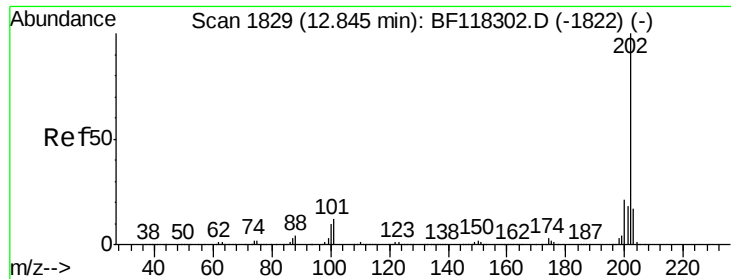


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

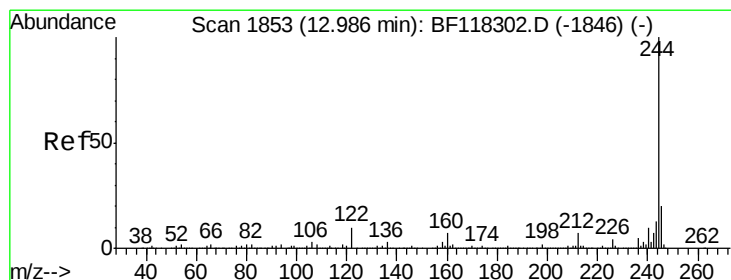
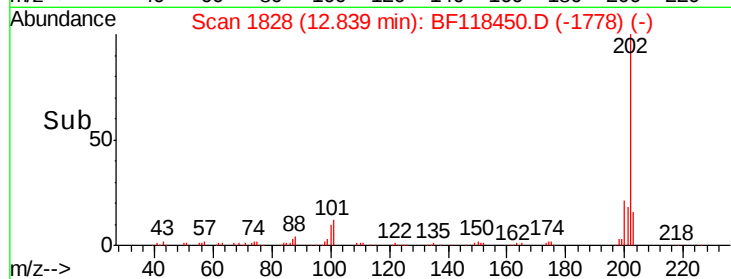
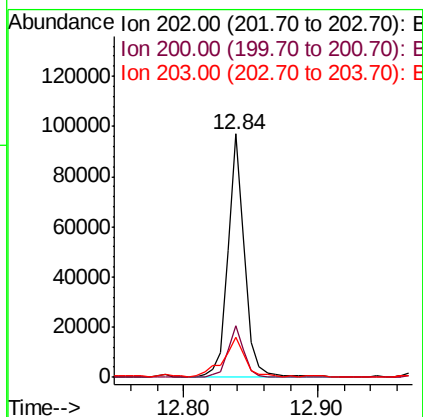
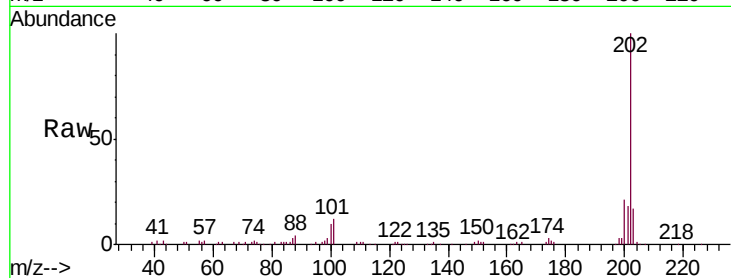




#78
Pyrene
Concen: 5.020 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

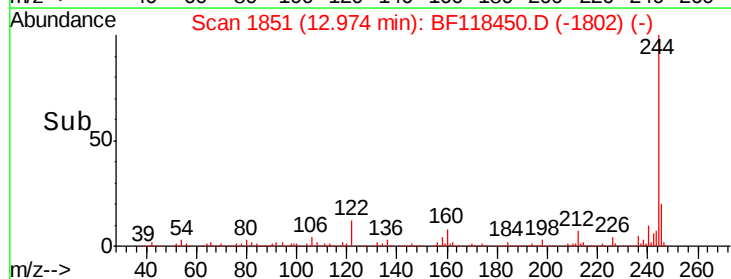
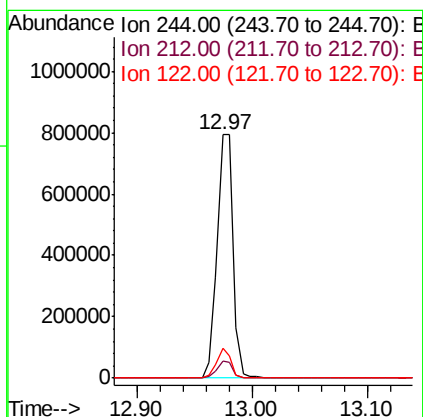
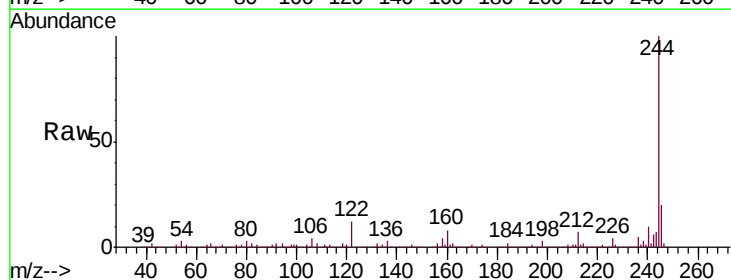
Instrument :
BNA_F
ClientSampleId :
SS-8

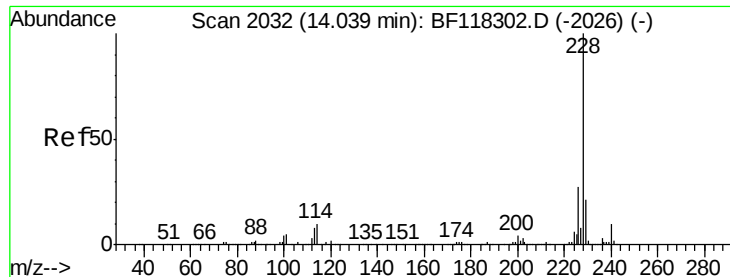
Tgt Ion: 202 Resp: 85183
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 16.7 13.9 20.9



#79
Terphenyl-d14
Concen: 61.216 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Tgt Ion: 244 Resp: 766794
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 12.3 7.8 11.8#





#81

Benzo(a)anthracene

Concen: 3.349 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

Instrument :

BNA_F

ClientSampleId :

SS-8

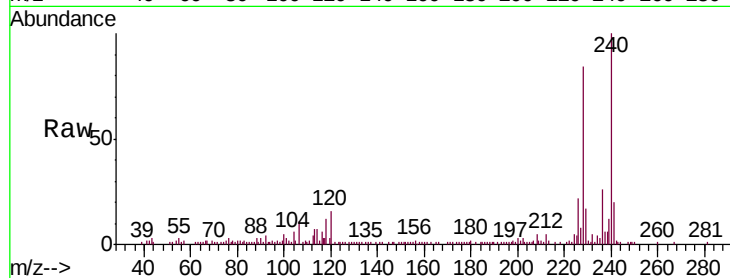
Tgt Ion:228 Resp: 48710

Ion Ratio Lower Upper

228 100

226 25.9 22.0 33.0

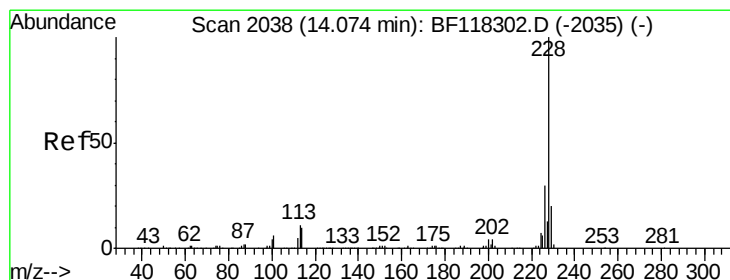
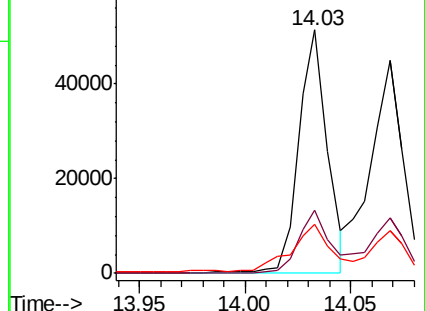
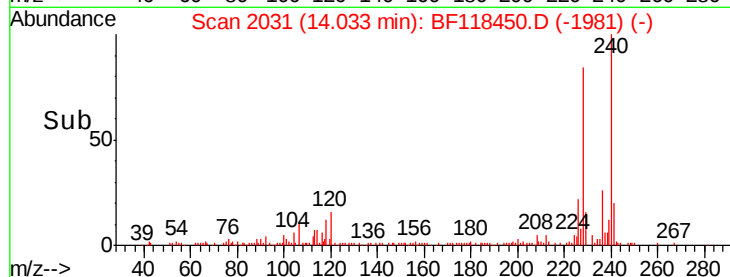
229 20.0 16.6 24.8



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: 3.274 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118450.D

Acq: 2 Jan 2020 22:06

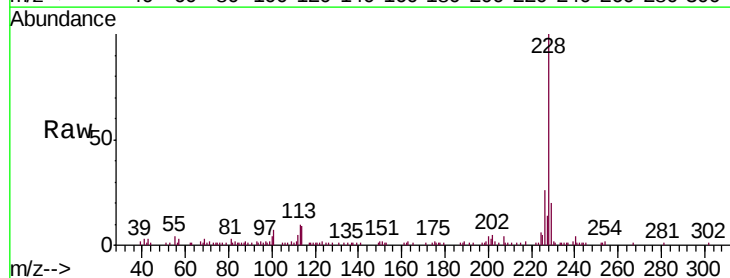
Tgt Ion:228 Resp: 45607

Ion Ratio Lower Upper

228 100

226 26.2 23.9 35.9

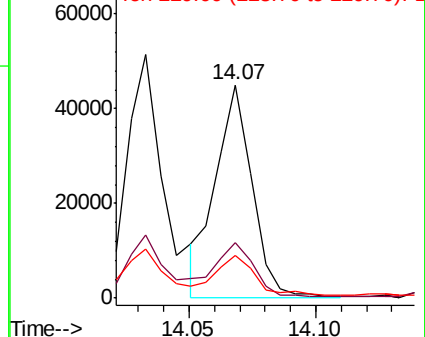
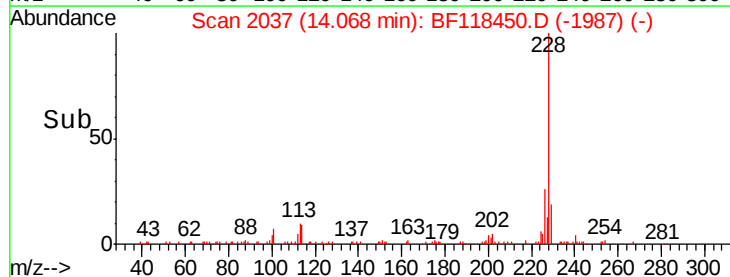
229 20.1 16.1 24.1

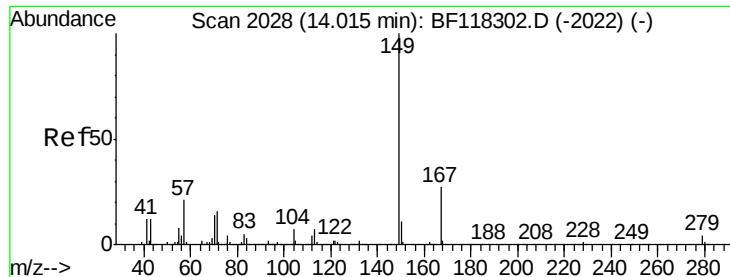


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

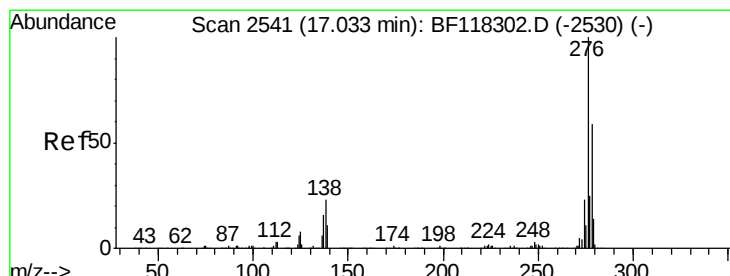
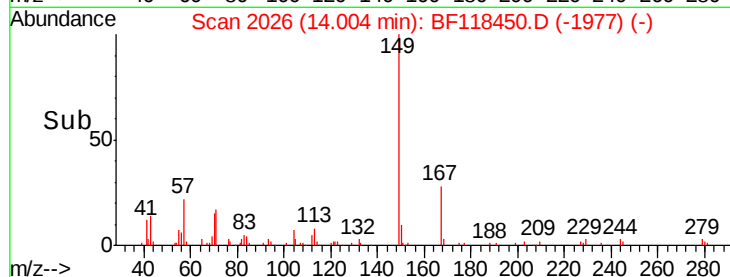
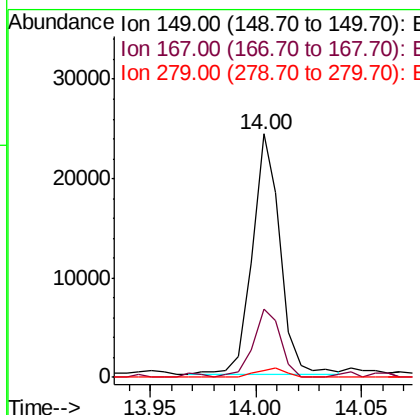
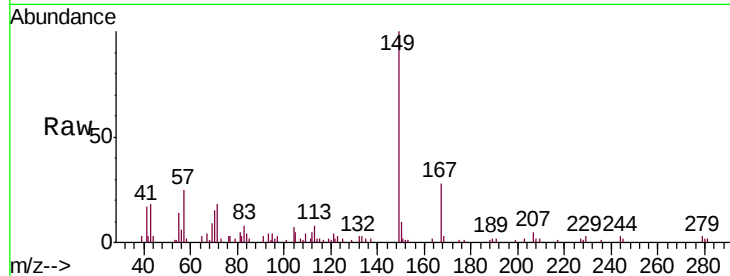




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.179 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

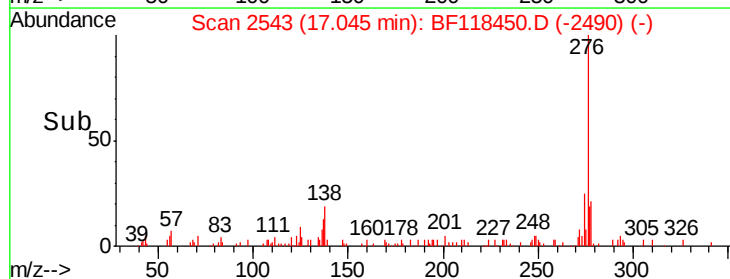
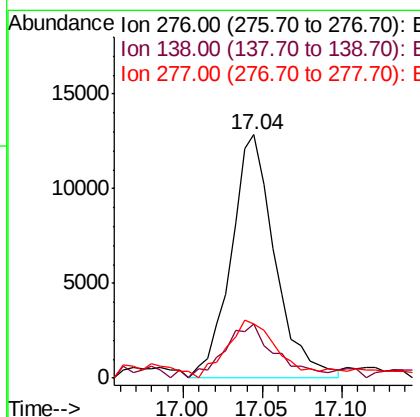
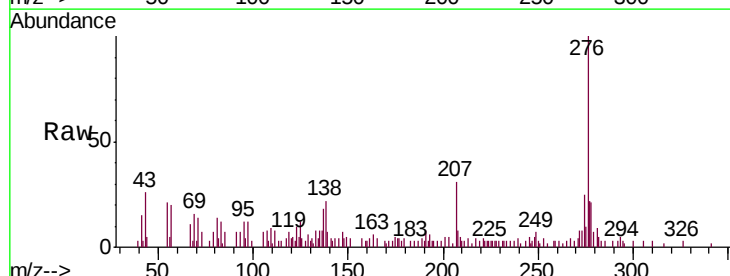
Instrument :
BNA_F
ClientSampleId :
SS-8

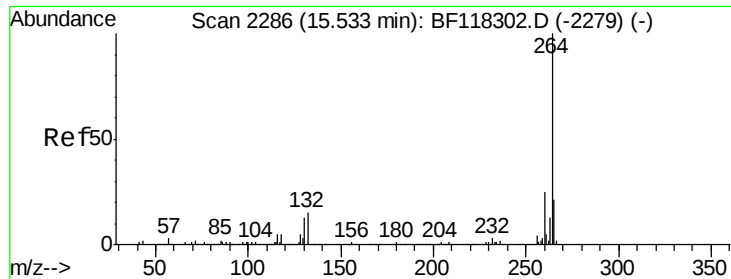
Tgt Ion:149 Resp: 21894
Ion Ratio Lower Upper
149 100
167 27.8 21.3 31.9
279 2.8 3.4 5.2#



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.081 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Tgt Ion:276 Resp: 24692
Ion Ratio Lower Upper
276 100
138 26.4 19.5 29.3
277 27.3 20.6 30.8

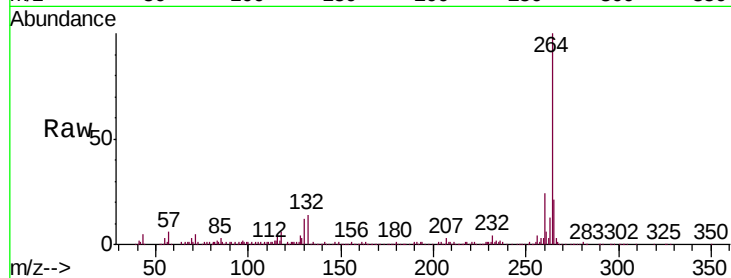




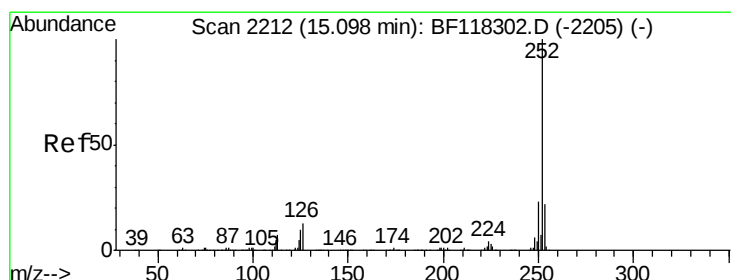
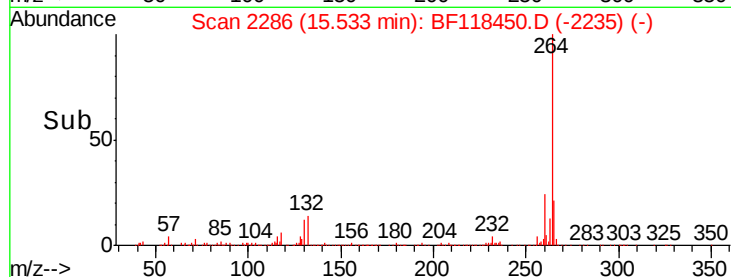
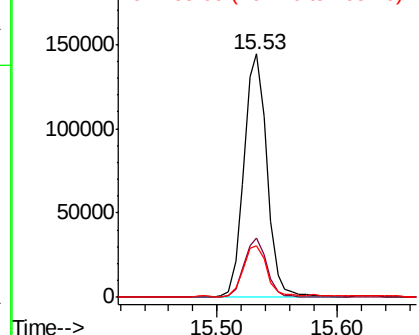
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Instrument :
BNA_F
ClientSampleId :
SS-8

Tgt Ion:264 Resp: 193501
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.6
265 21.0 17.0 25.4

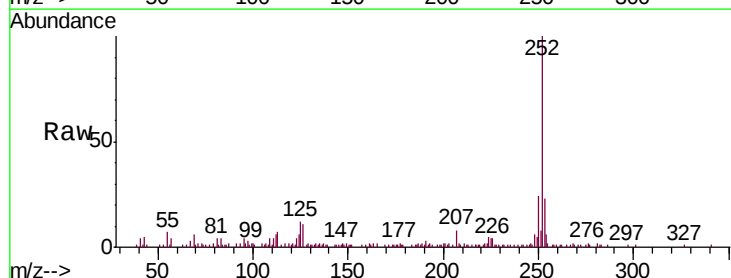


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

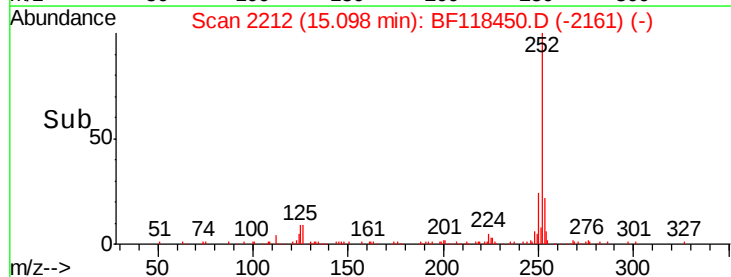
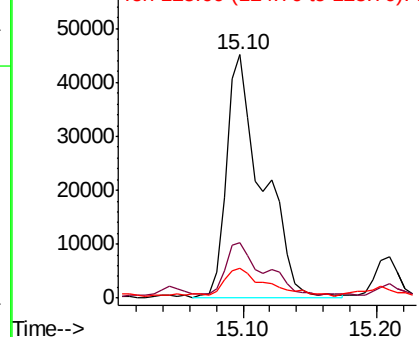


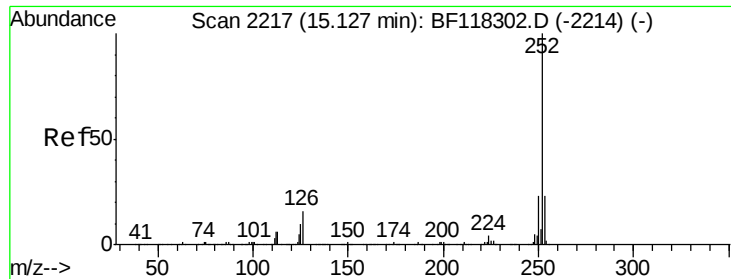
#88
Benzo(b)fluoranthene
Concen: 6.623 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Tgt Ion:252 Resp: 85071
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.2 7.7 11.5#



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

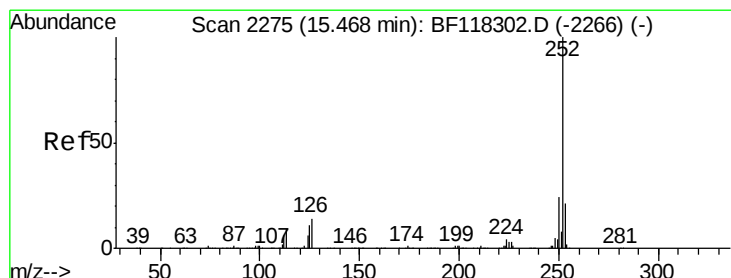
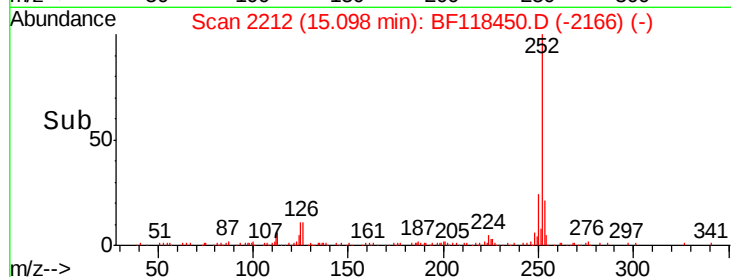
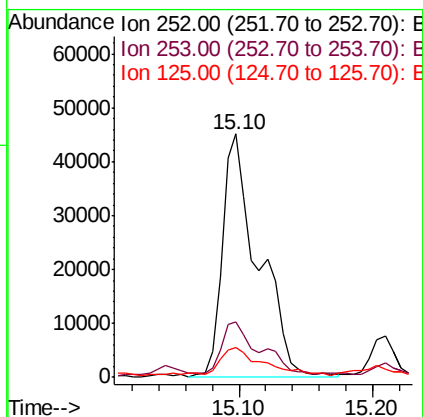
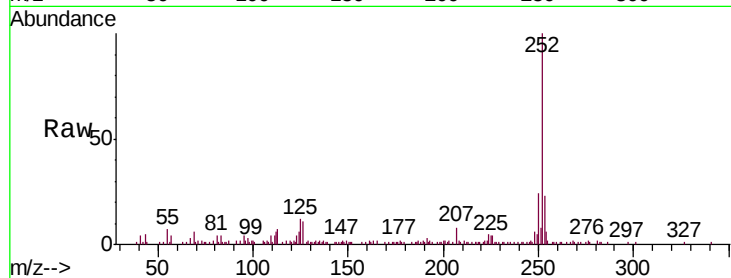




#89
Benzo(k)fluoranthene
Concen: 6.898 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

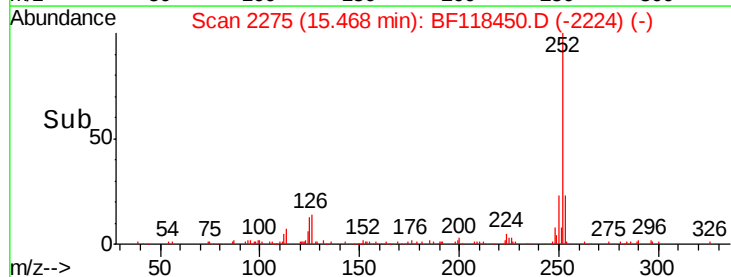
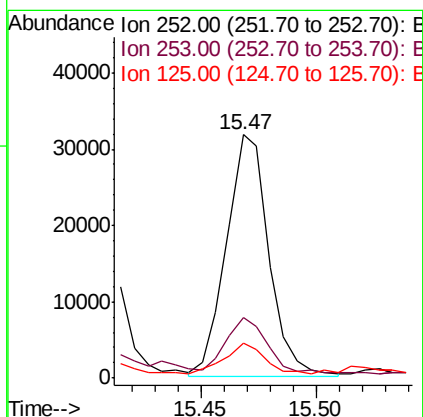
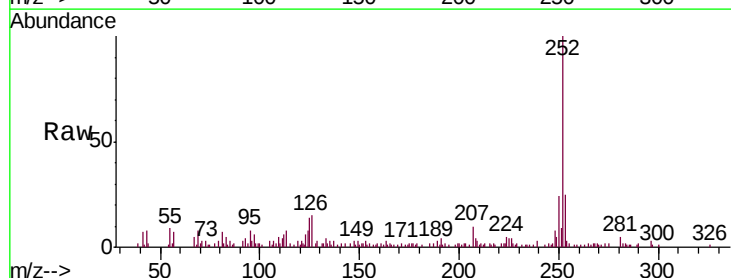
Instrument :
BNA_F
ClientSampleId :
SS-8

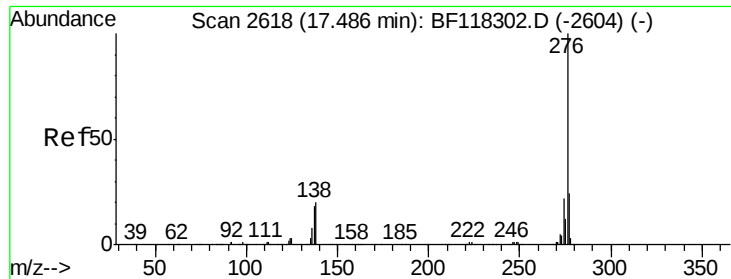
Tgt Ion:252 Resp: 85071
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.2 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 3.584 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF118450.D
Acq: 2 Jan 2020 22:06

Tgt Ion:252 Resp: 40556
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 14.4 9.0 13.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.597 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. 0.02 min
 Lab File: BF118450.D
 Acq: 2 Jan 2020 22:06

Instrument :
 BNA_F
 ClientSampleId :
 SS-8

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.0	19.1	28.7#
138	19.2	16.1	24.1

