

Data File : BF118701.D
Acq On : 24 Jan 2020 22:31
Operator : CG/JU
Sample : L1242-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Quant Time: Jan 27 01:07:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	239859	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	892693	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	480355	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	768657	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	519770	20.00	ng	-0.03
87) Perylene-d12	15.48	264	637058	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	37655	2.92	ng	-0.02
7) Phenol-d6	6.48	99	379814	22.63	ng	-0.03
23) Nitrobenzene-d5	7.42	82	993555	62.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	9556	1.72	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1628912	55.74	ng	-0.02
79) Terphenyl-d14	12.96	244	1564757	65.66	ng	-0.03

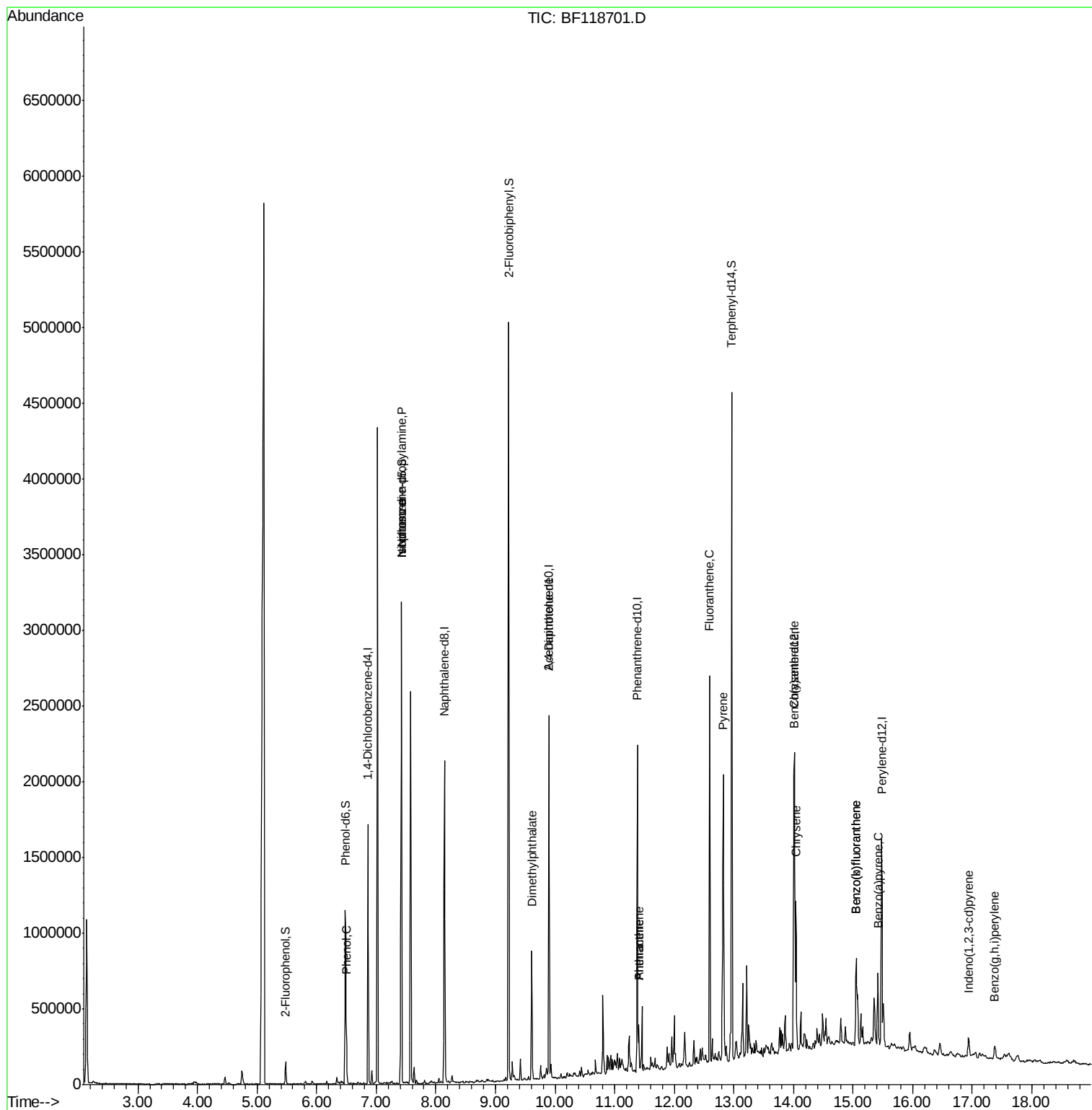
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	74996	3.920	ng	94
19) n-Nitroso-di-n-propylamine	7.42	70	135587	11.963	ng	# 76
25) Isophorone	7.42	82	993536	34.131	ng	# 64
50) Dimethylphthalate	9.61	163	318102	10.164	ng	98
57) 2,4-Dinitrotoluene	9.90	165	64491	7.300	ng	# 25
71) Phenanthrene	11.40	178	106578	2.874	ng	# 91
72) Anthracene	11.40	178	106578	2.905	ng	92
75) Fluoranthene	12.59	202	1043649	26.683	ng	96
78) Pyrene	12.82	202	793947	22.499	ng	92
81) Benzo(a)anthracene	14.00	228	443559	14.186	ng	97
83) Chrysene	14.04	228	378010	12.615	ng	94
86) Indeno(1,2,3-cd)pyrene	16.94	276	92953	3.570	ng	98
88) Benzo(b)fluoranthene	15.05	252	483704	12.079	ng	98
89) Benzo(k)fluoranthene	15.05	252	483704	13.038	ng	98
90) Benzo(a)pyrene	15.42	252	238928	6.917	ng	99
92) Benzo(g,h,i)perylene	17.38	276	77087	2.598	ng	98

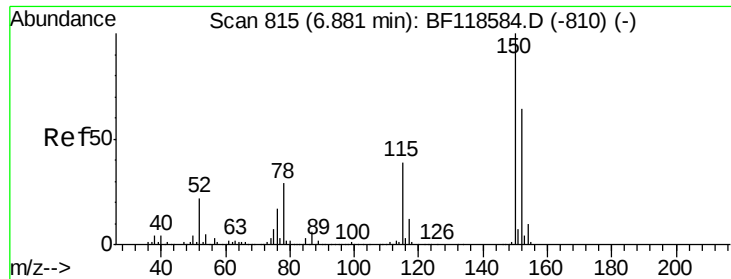
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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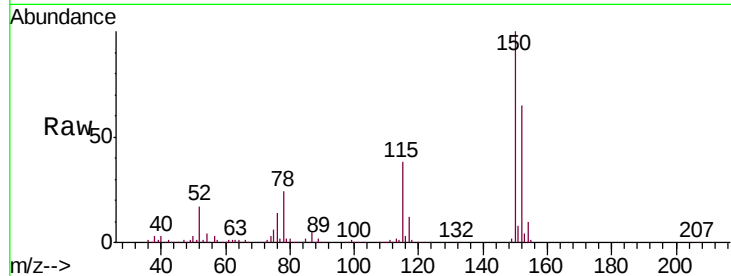


#1

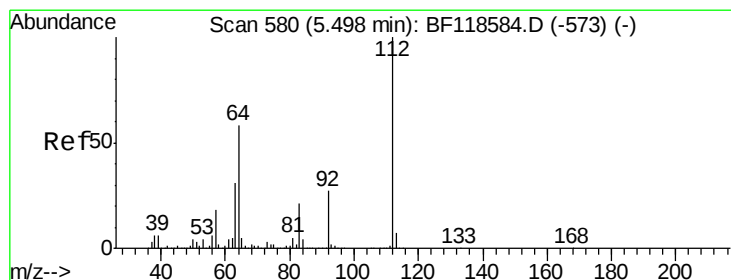
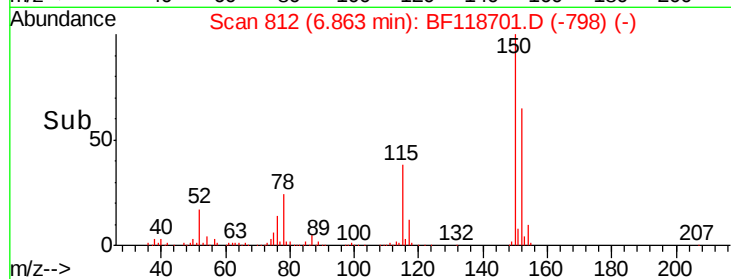
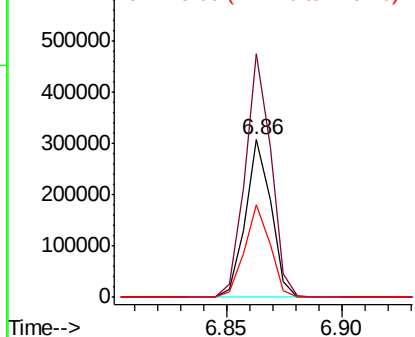
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tgt Ion:152 Resp: 239859
Ion Ratio Lower Upper
152 100
150 154.7 125.6 188.4
115 59.2 48.4 72.6



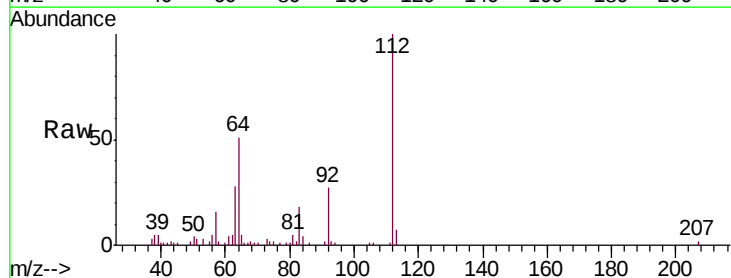
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



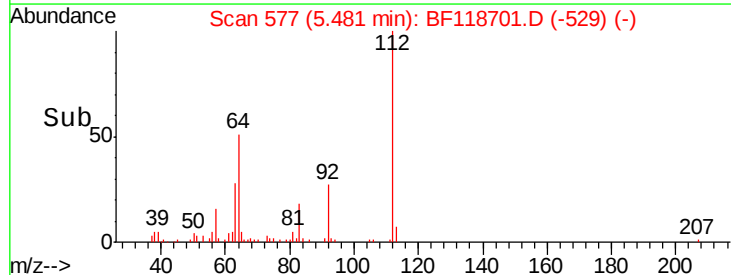
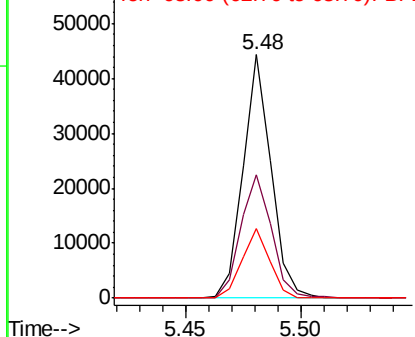
#5

2-Fluorophenol
Concen: 2.916 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion:112 Resp: 37655
Ion Ratio Lower Upper
112 100
64 50.8 46.6 70.0
63 28.5 25.1 37.7



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: 22.627 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Instrument :

BNA_F

ClientSampleId :

20200063-AMENDED-COMP-1

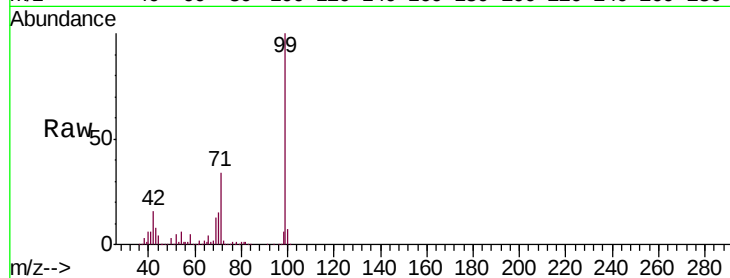
Tgt Ion: 99 Resp: 379814

Ion Ratio Lower Upper

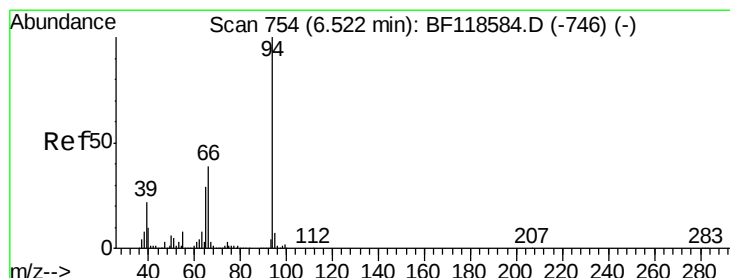
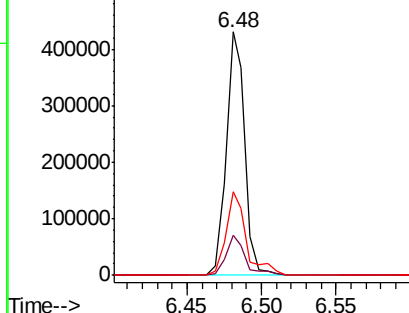
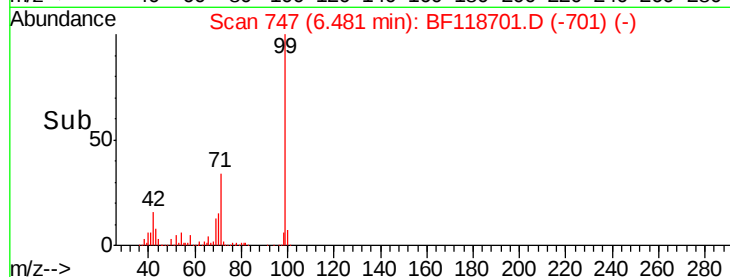
99 100

42 16.3 14.2 21.2

71 34.2 27.8 41.6



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



#10

Phenol

Concen: 3.920 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

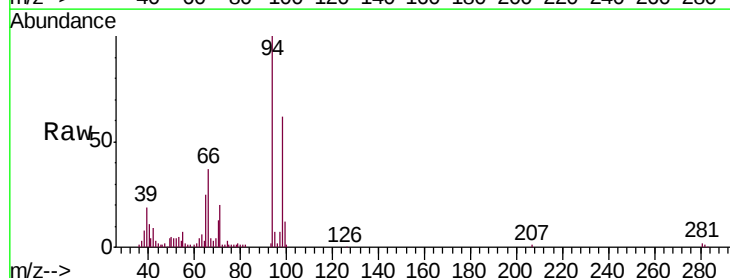
Tgt Ion: 94 Resp: 74996

Ion Ratio Lower Upper

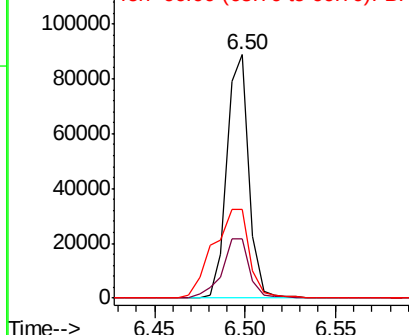
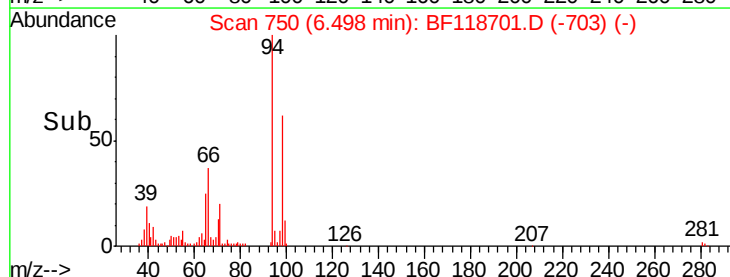
94 100

65 24.5 9.5 49.5

66 36.6 18.5 58.5



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

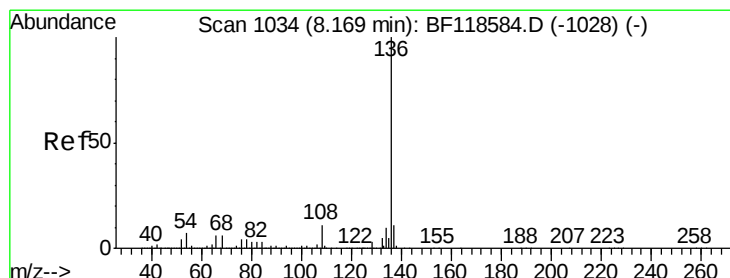
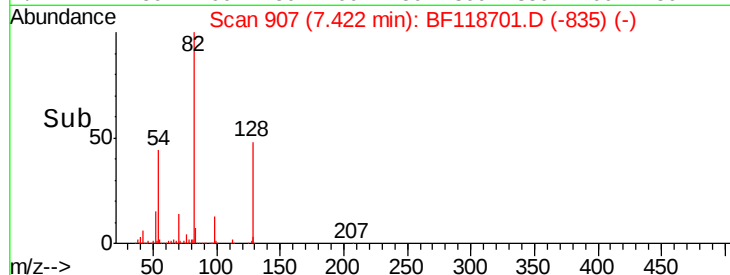
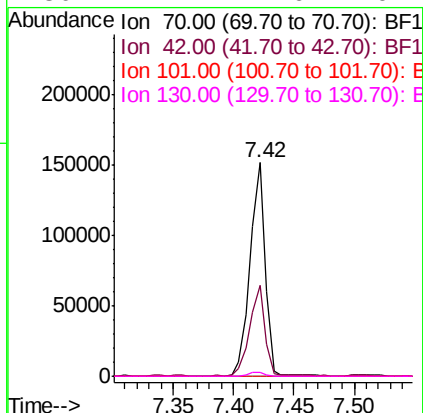
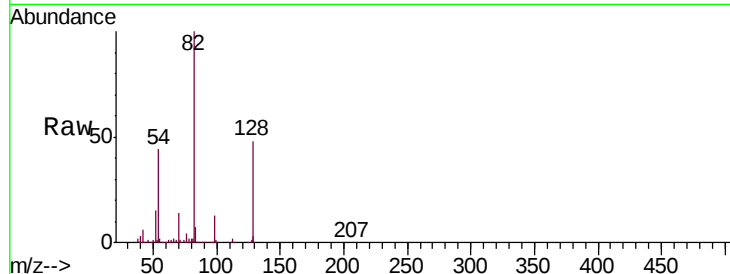




#19
n-Nitroso-di-n-propylamine
Concen: 11.963 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.12 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

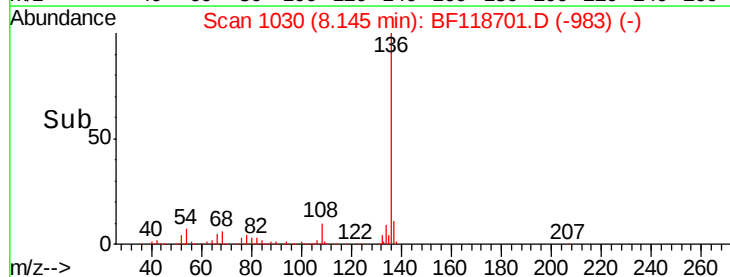
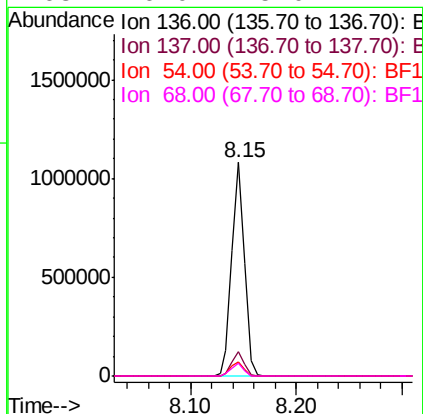
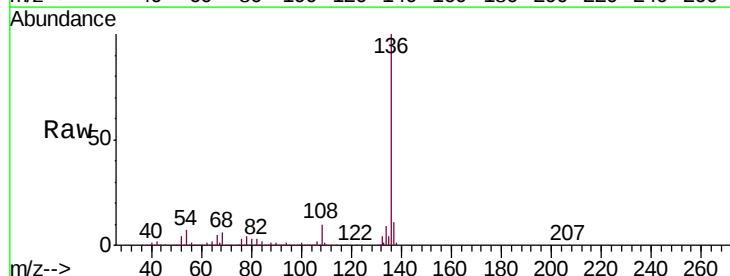
Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

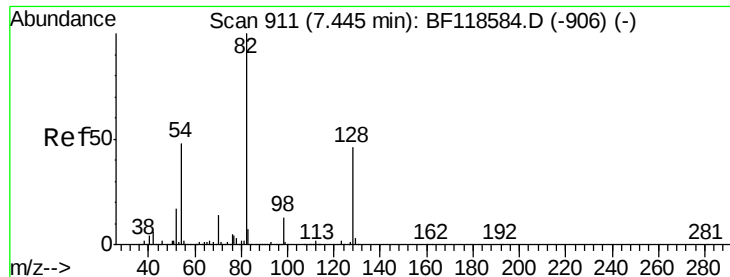
Tgt Ion:	70	Resp:	135587
Ion	Ratio	Lower	Upper
70	100		
42	42.5	43.4	65.0#
101	0.0	8.1	12.1#
130	2.1	17.6	26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion:	136	Resp:	892693
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.6	5.8	8.6
68	6.0	5.0	7.4

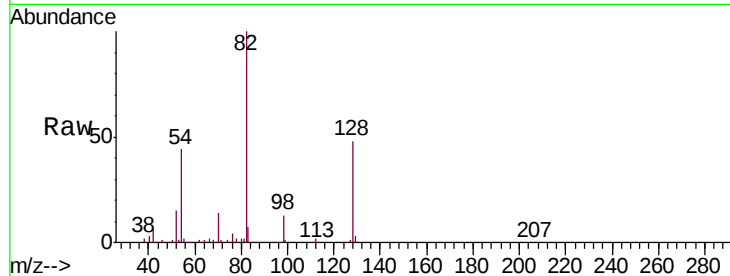




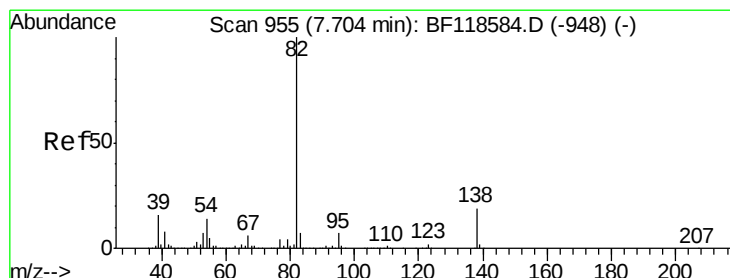
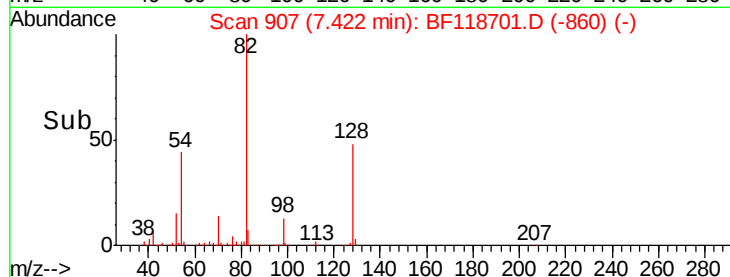
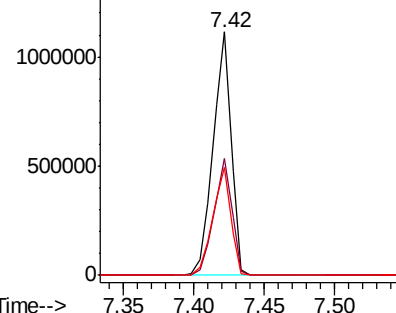
#23
 Nitrobenzene-d5
 Concen: 62.254 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Instrument :
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 ClientSampleId :
 20200063-AMENDED-COMP-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.6	54.8
54	44.3	38.0	57.0

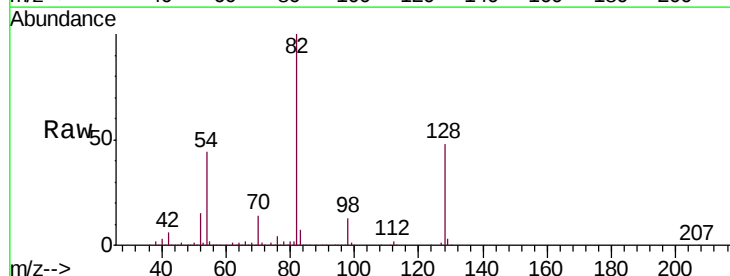


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

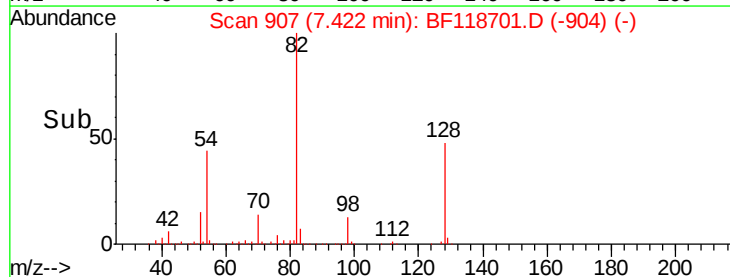
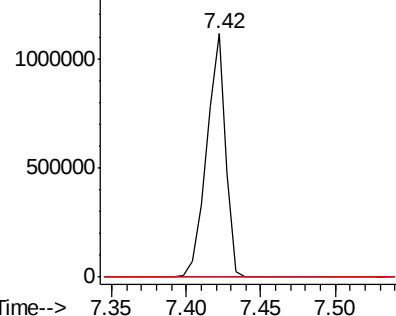


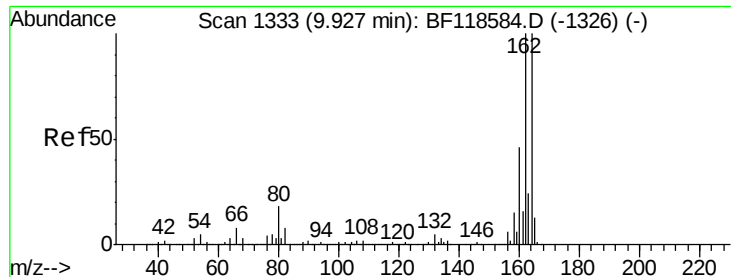
#25
 Isophorone
 Concen: 34.131 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.28 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	15.3	22.9#



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

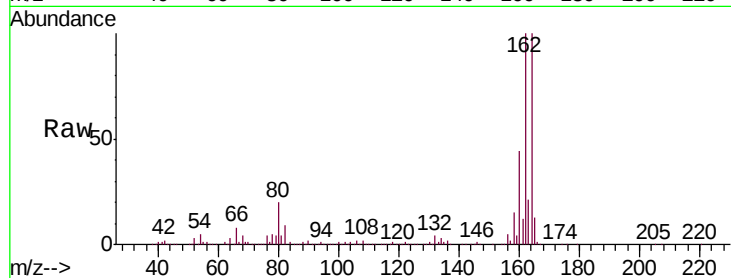




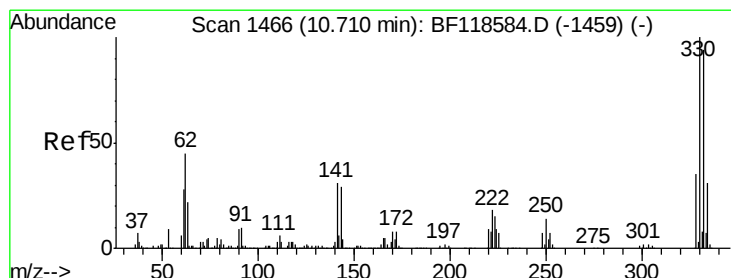
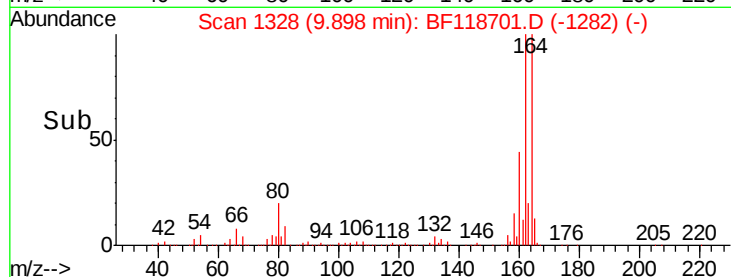
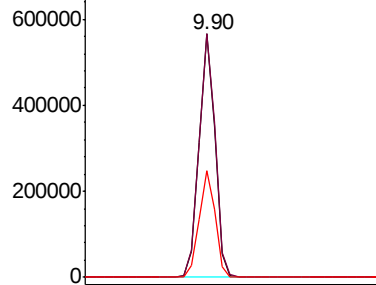
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.03 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Instrument :
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 ClientSampleId :
 20200063-AMENDED-COMP-1

Tgt Ion:	164	Resp:	480355
Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.4	120.6
160	44.0	36.6	55.0

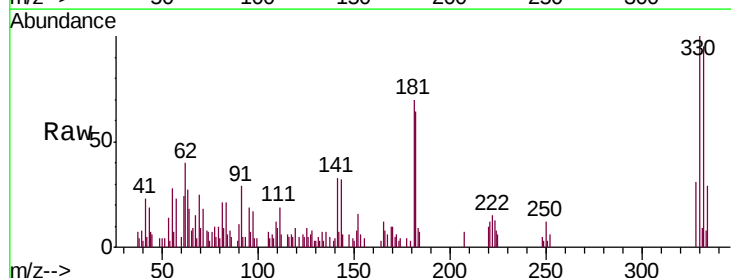


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

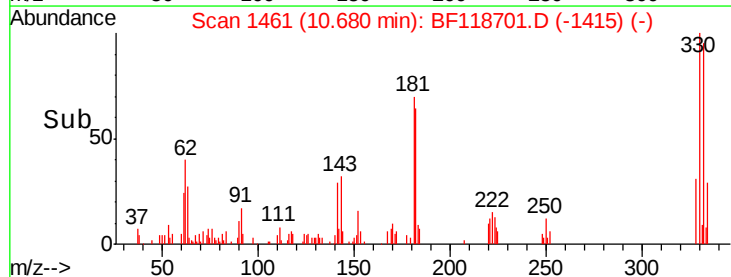
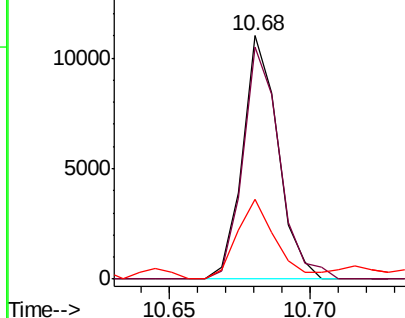


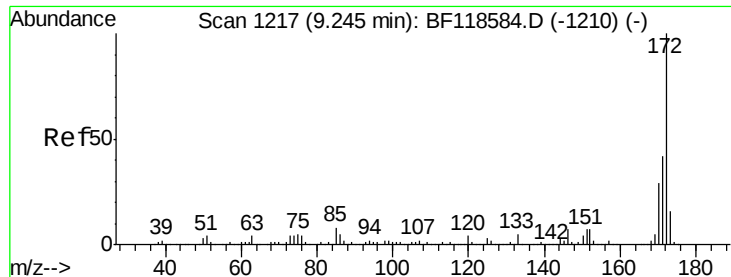
#42
 2,4,6-Tribromophenol
 Concen: 1.720 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Tgt Ion:	330	Resp:	9556
Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.2	114.4
141	36.4	23.9	35.9#



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

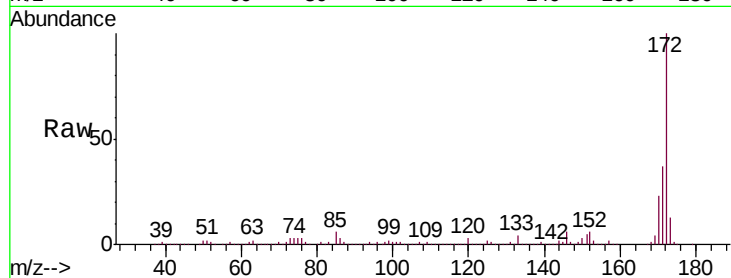




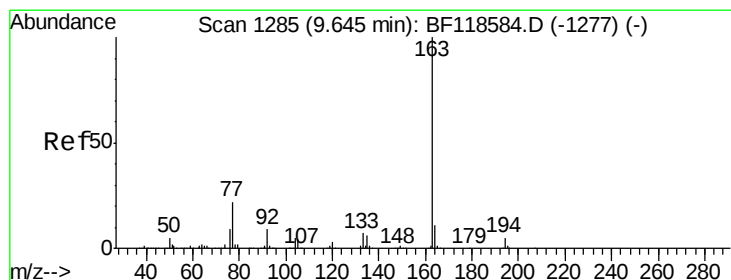
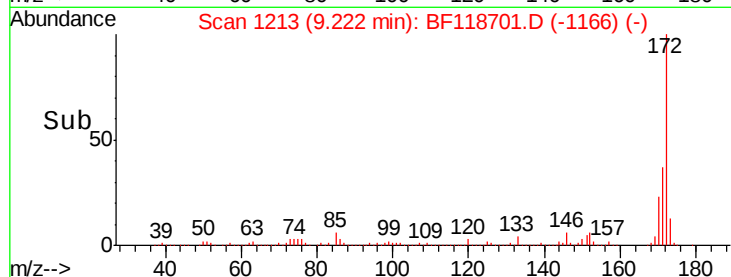
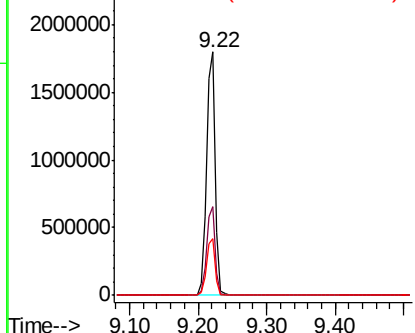
#45
2-Fluorobiphenyl
Concen: 55.736 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

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20200063-AMENDED-COMP-1

Tgt Ion:172 Resp: 1628912
Ion Ratio Lower Upper
172 100
171 36.6 33.4 50.2
170 23.3 23.2 34.8

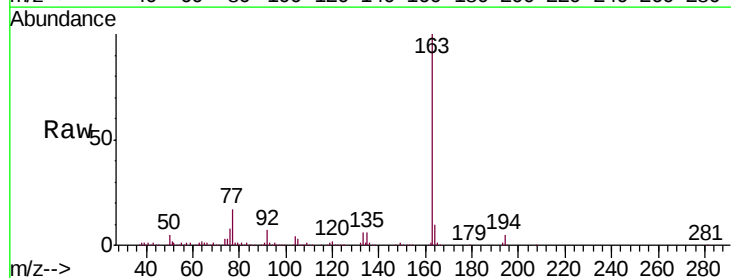


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

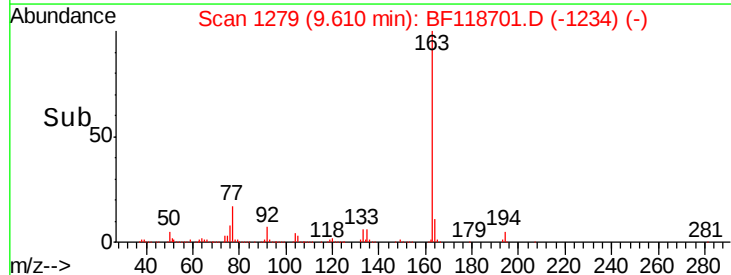
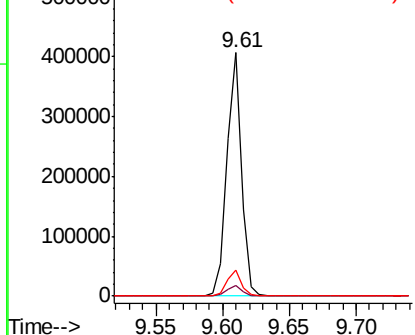


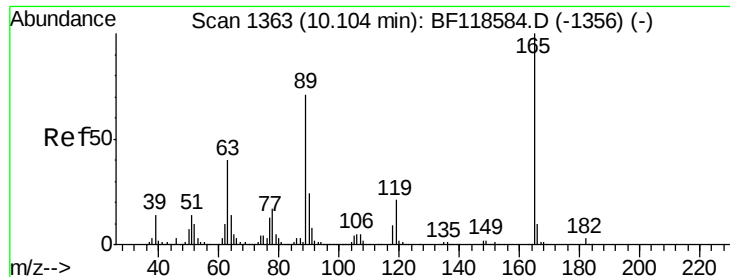
#50
Dimethylphthalate
Concen: 10.164 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion:163 Resp: 318102
Ion Ratio Lower Upper
163 100
194 4.6 3.9 5.9
164 10.5 9.1 13.7



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

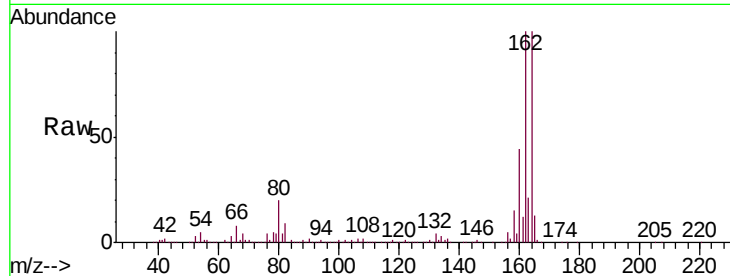




#57
2,4-Dinitrotoluene
Concen: 7.300 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.21 min
Lab File: BF118701.D
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Instrument :
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20200063-AMENDED-COMP-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.4	48.6#
89	1.4	56.4	84.6#
182	0.0	2.3	3.5#

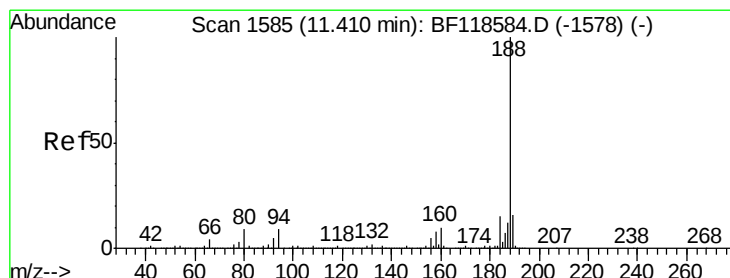
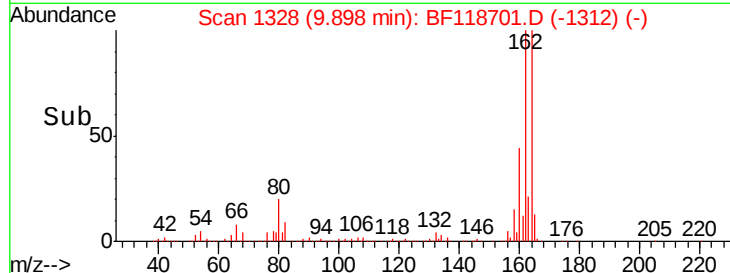
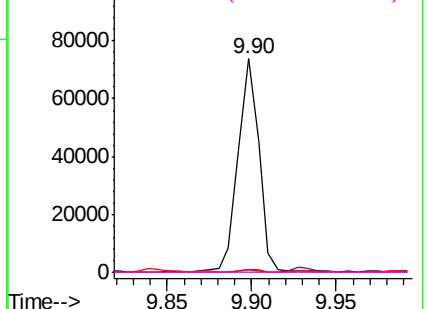


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

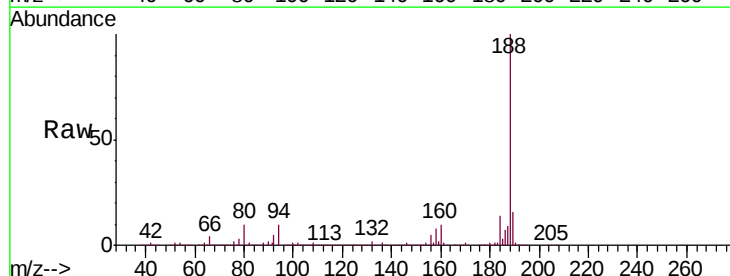
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

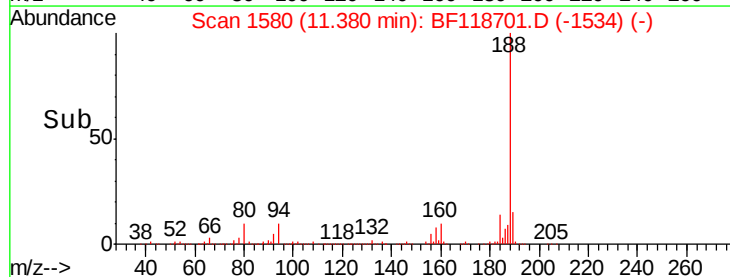
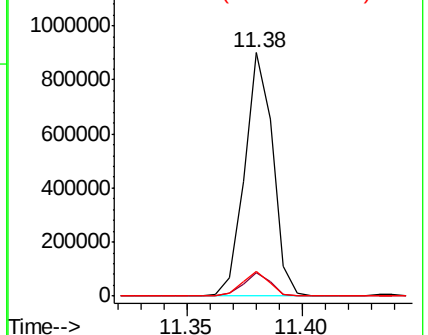
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.1	10.7
80	10.1	7.5	11.3

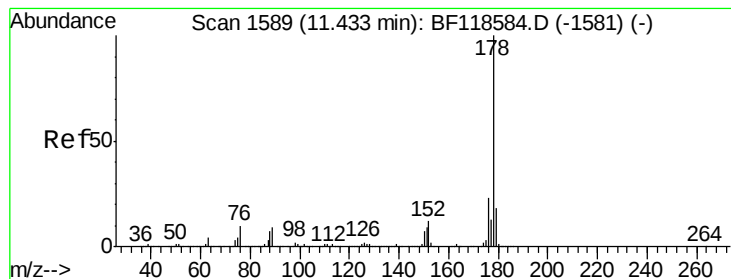


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.874 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Instrument :

BNA_F

ClientSampleId :

20200063-AMENDED-COMP-1

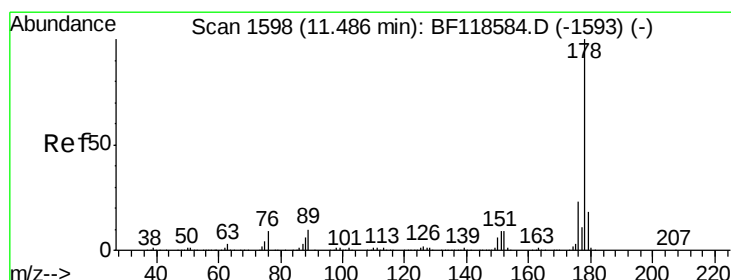
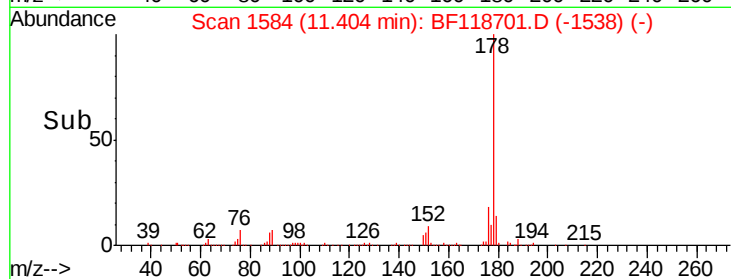
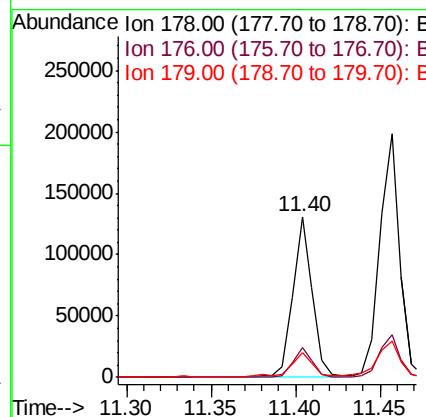
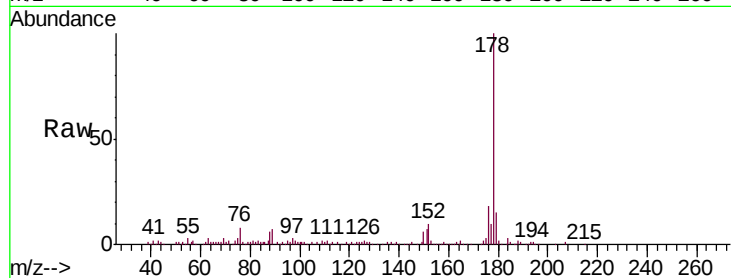
Tgt Ion:178 Resp: 106578

Ion Ratio Lower Upper

178 100

176 18.3 18.6 27.8#

179 15.0 14.7 22.1



#72

Anthracene

Concen: 2.905 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.08 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

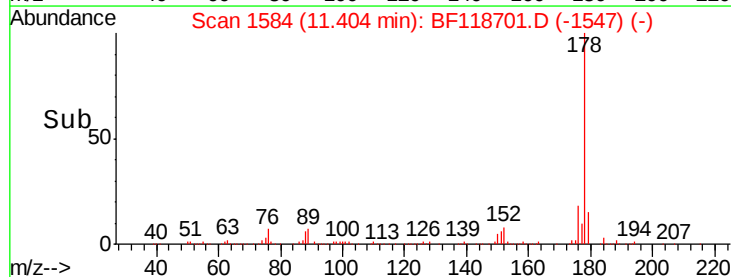
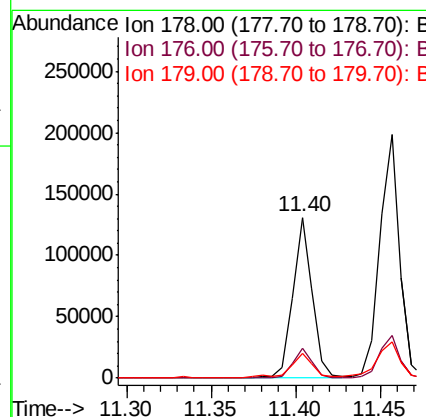
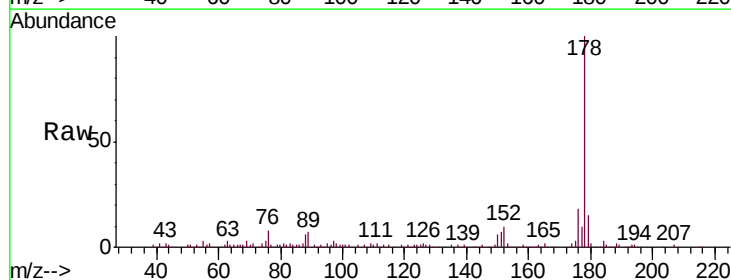
Tgt Ion:178 Resp: 106578

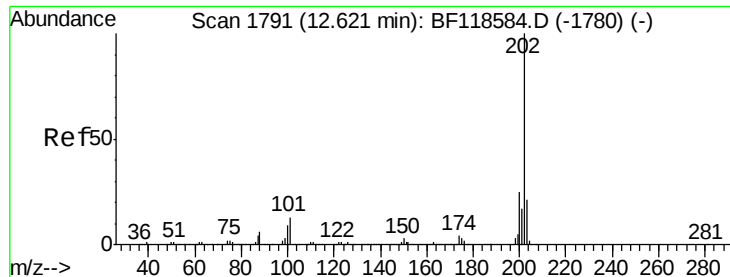
Ion Ratio Lower Upper

178 100

176 18.3 18.0 27.0

179 15.0 14.7 22.1





#75

Fluoranthene

Concen: 26.683 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

Instrument :

BNA_F

ClientSampleId :

20200063-AMENDED-COMP-1

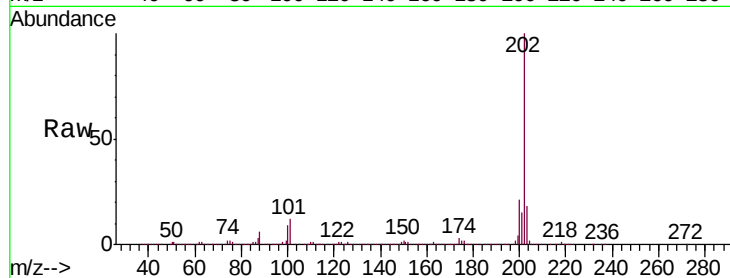
Tgt Ion:202 Resp: 1043649

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.5

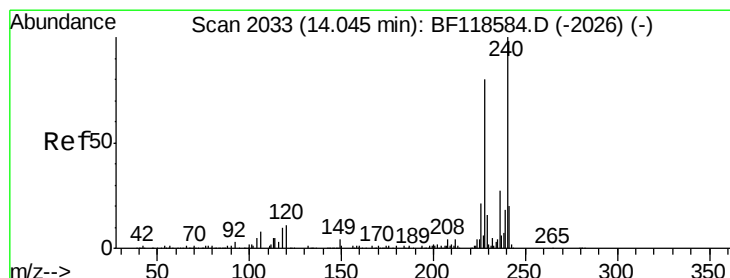
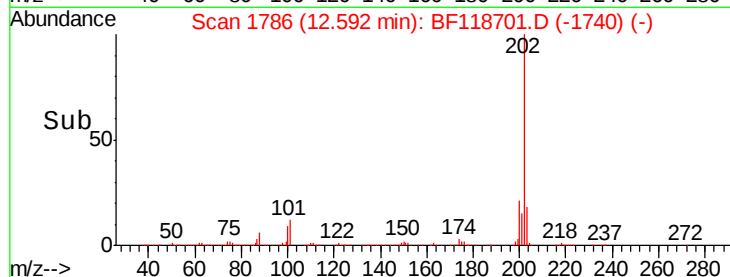
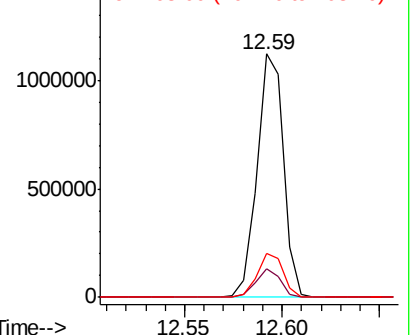
203 18.1 0.8 40.8



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: 14.02 min Scan# 2028

Delta R.T. -0.03 min

Lab File: BF118701.D

Acq: 24 Jan 2020 22:31

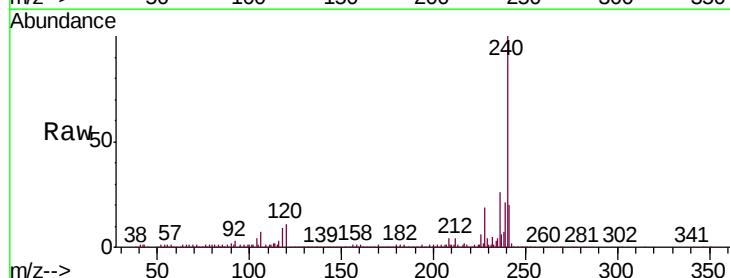
Tgt Ion:240 Resp: 519770

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

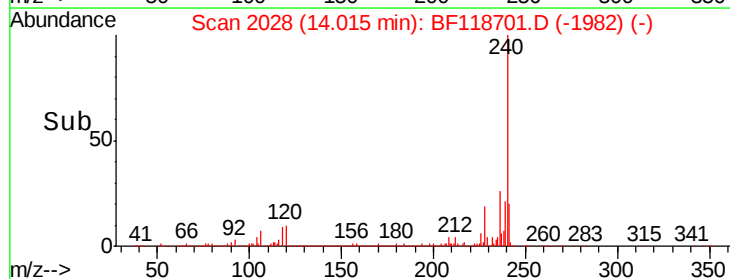
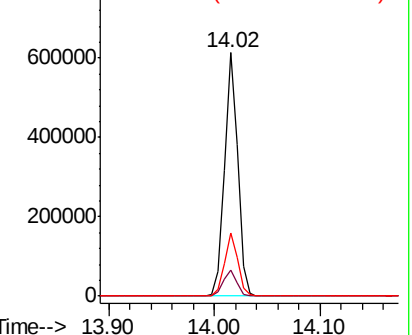
236 25.8 21.5 32.3

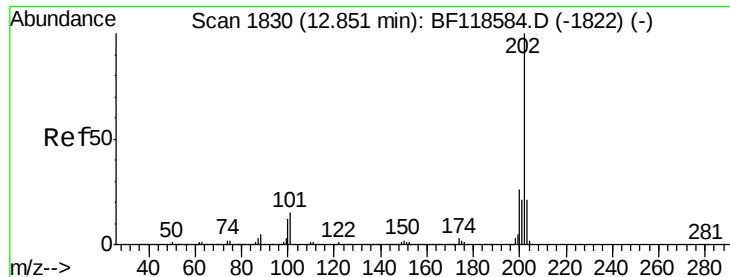


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

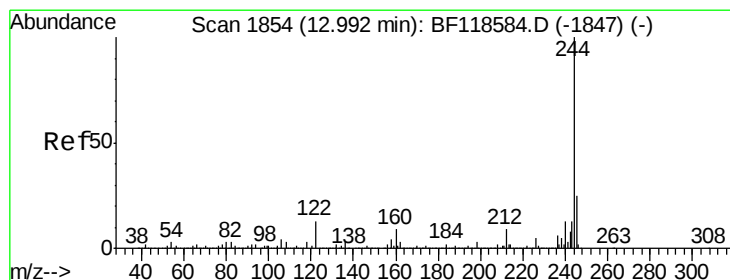
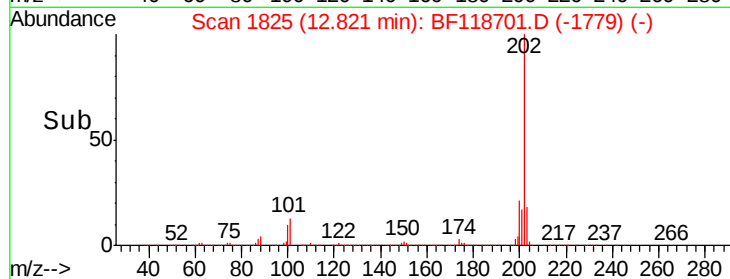
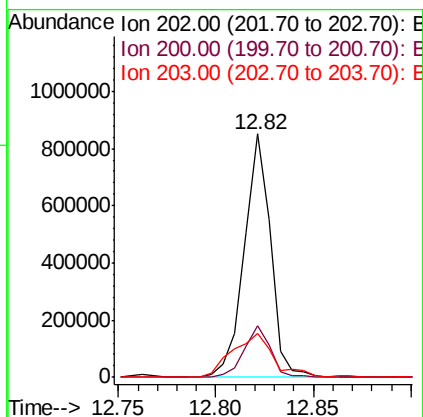
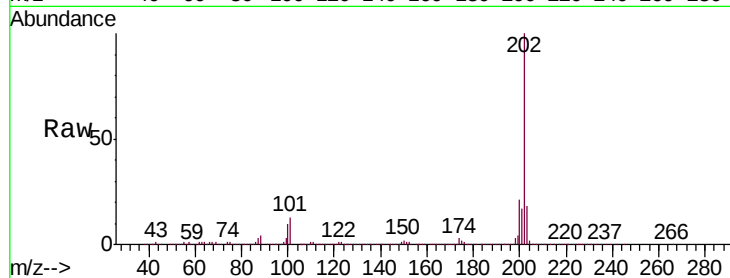




#78
 Pyrene
 Concen: 22.499 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

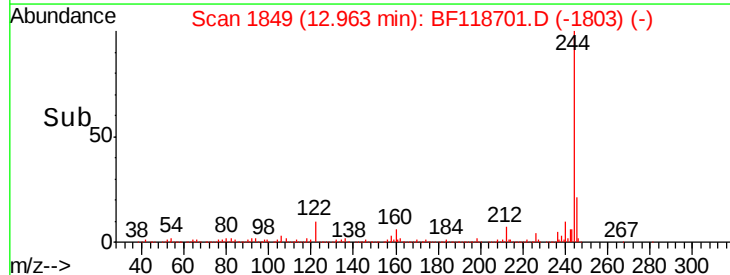
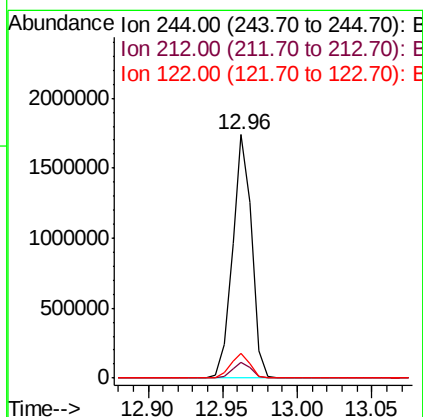
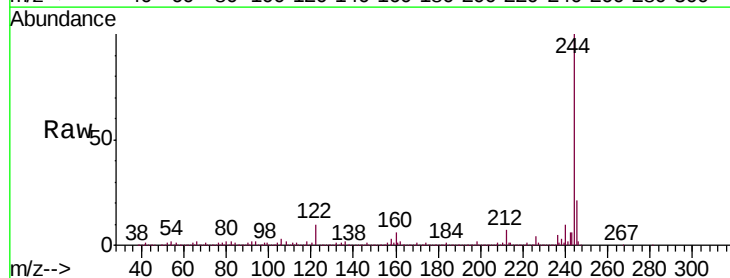
Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

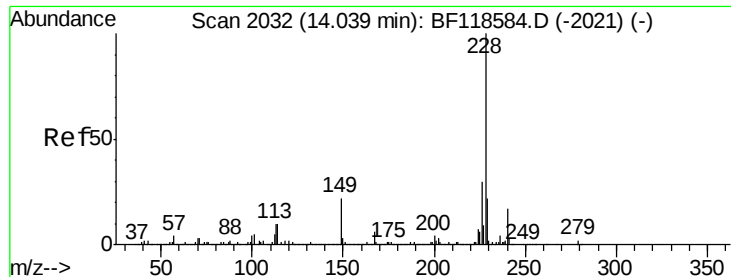
Tgt Ion:	202	Resp:	793947
Ion	Ratio	Lower	Upper
202	100		
200	21.0	20.6	31.0
203	18.1	16.8	25.2



#79
 Terphenyl-d14
 Concen: 65.661 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.03 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Tgt Ion:	244	Resp:	1564757
Ion	Ratio	Lower	Upper
244	100		
212	6.7	7.0	10.4#
122	10.2	10.7	16.1#

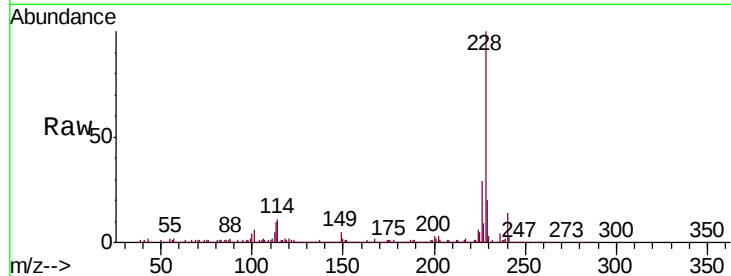




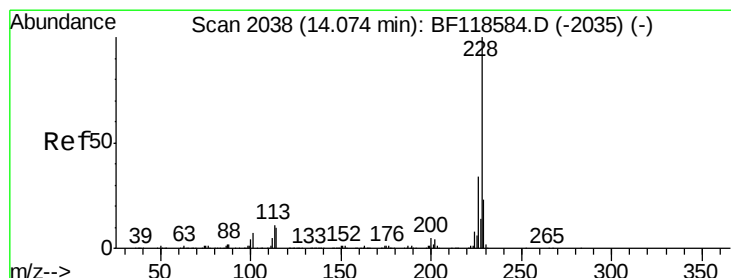
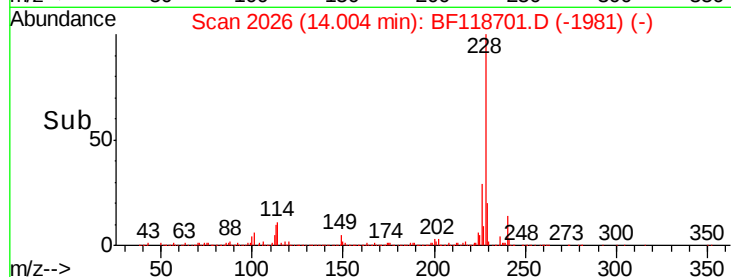
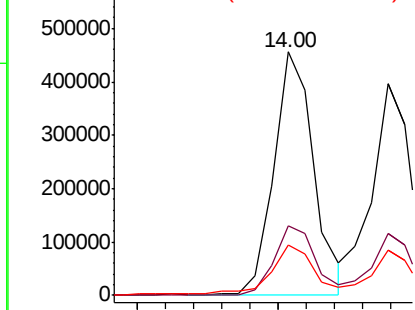
#81
Benzo(a)anthracene
Concen: 14.186 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tgt Ion:228 Resp: 443559
Ion Ratio Lower Upper
228 100
226 28.6 24.1 36.1
229 20.4 17.6 26.4

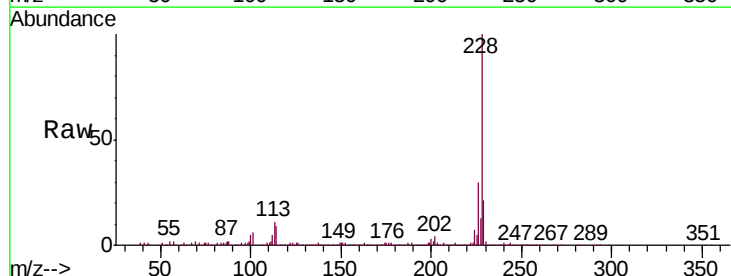


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

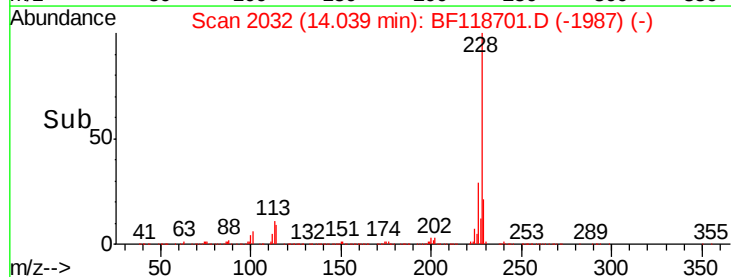
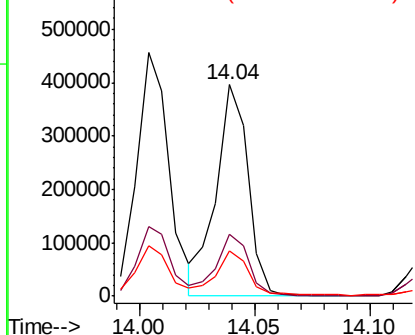


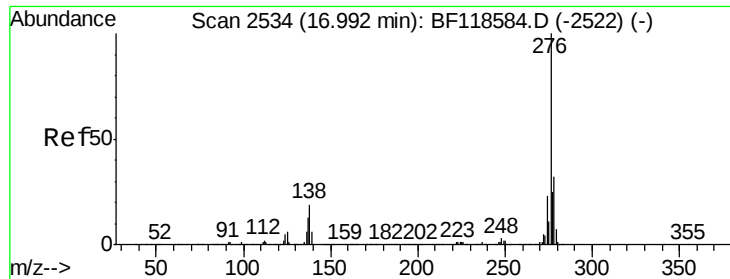
#83
Chrysene
Concen: 12.615 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion:228 Resp: 378010
Ion Ratio Lower Upper
228 100
226 29.5 27.4 41.0
229 21.2 18.3 27.5



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

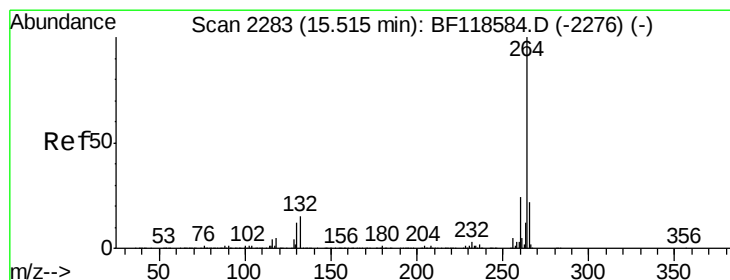
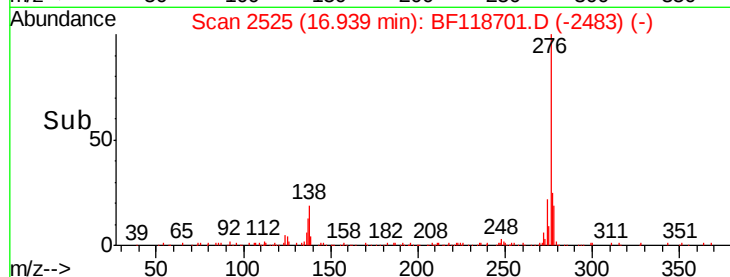
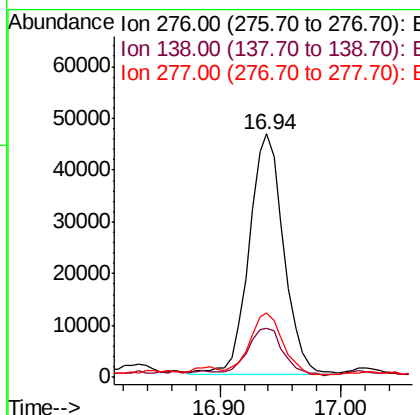
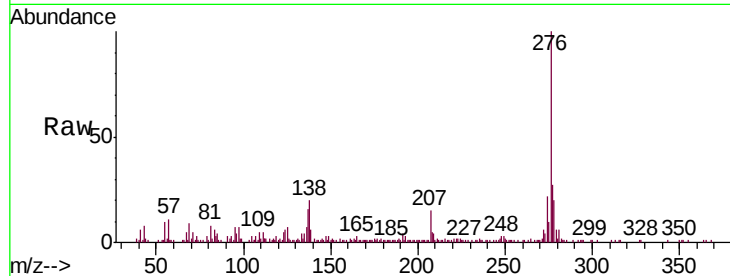




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.570 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. -0.05 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

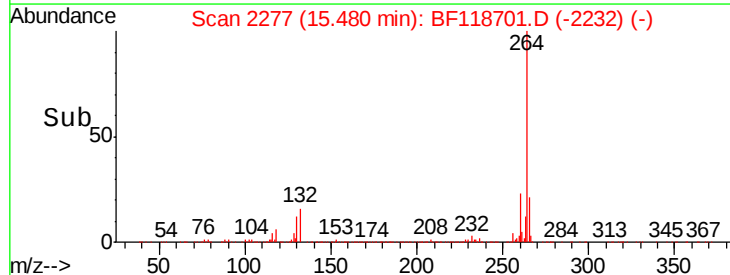
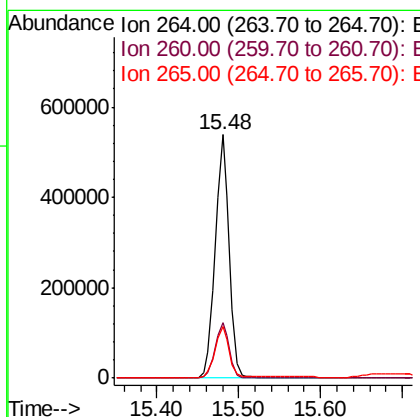
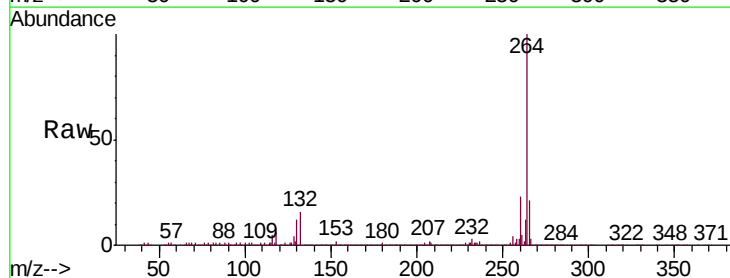
Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

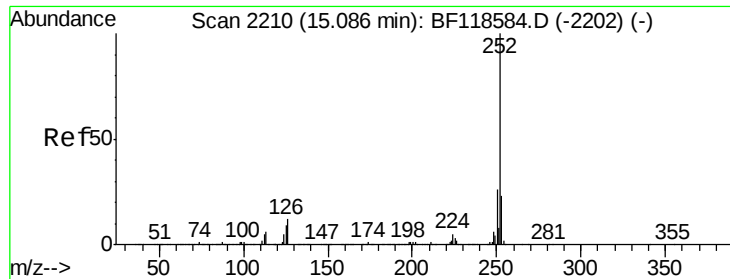
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	17.2	25.8
277	24.8	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.04 min
 Lab File: BF118701.D
 Acq: 24 Jan 2020 22:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.6	29.4
265	21.3	17.7	26.5

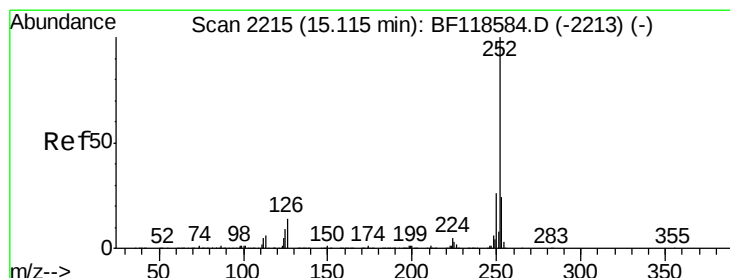
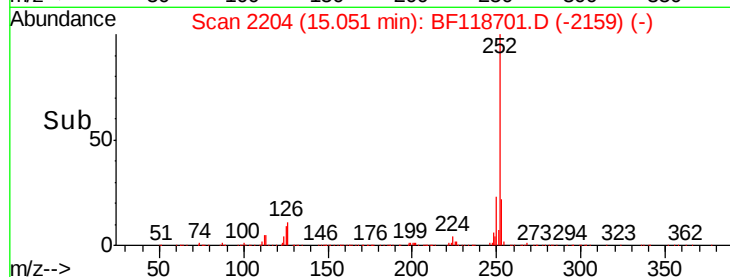
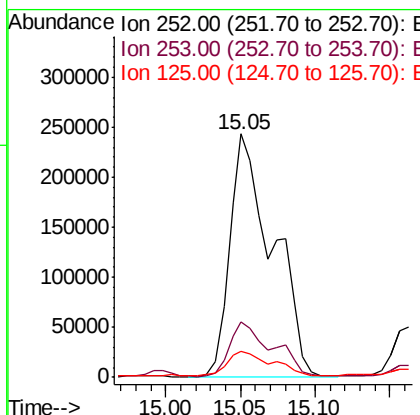
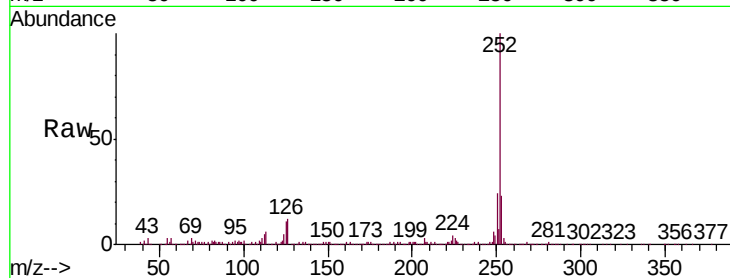




#88
Benzo(b)fluoranthene
Concen: 12.079 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

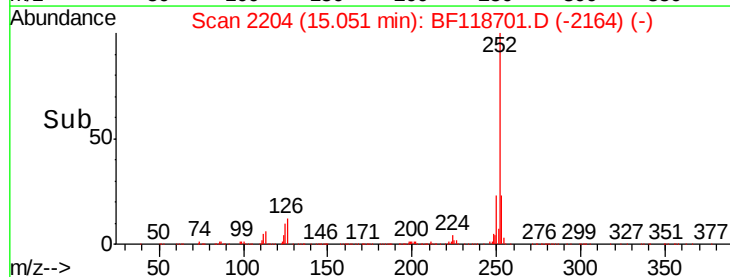
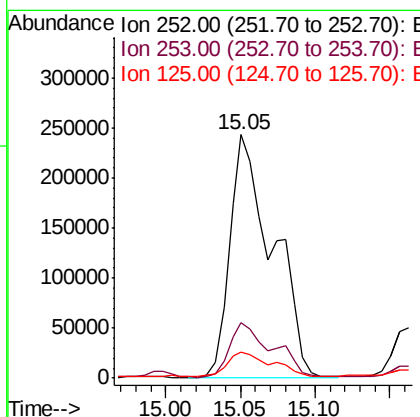
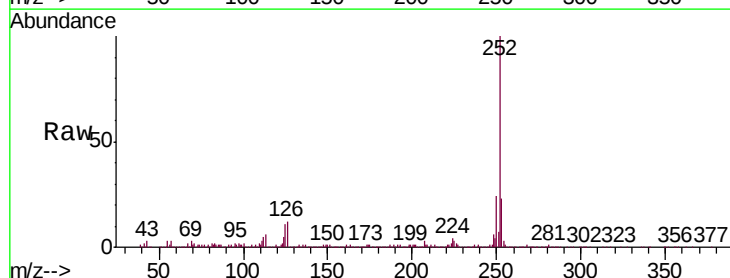
Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

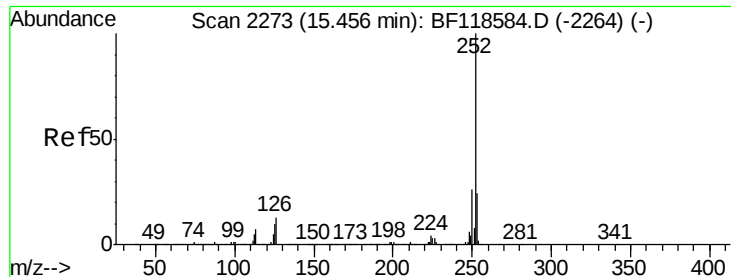
Tgt Ion:252 Resp: 483704
Ion Ratio Lower Upper
252 100
253 23.0 18.7 28.1
125 10.6 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 13.038 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion:252 Resp: 483704
Ion Ratio Lower Upper
252 100
253 23.0 19.0 28.4
125 10.6 7.6 11.4

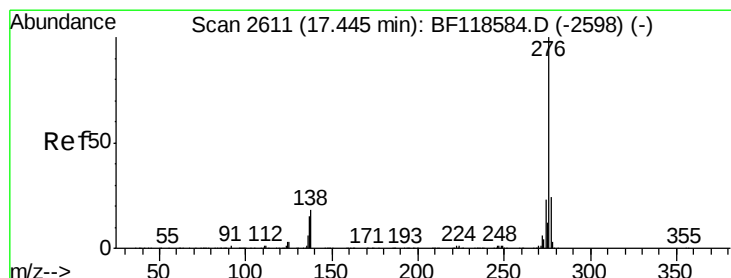
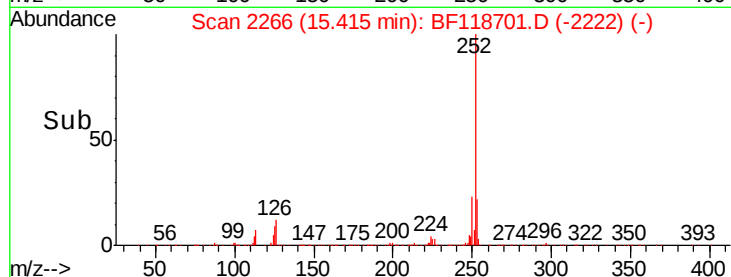
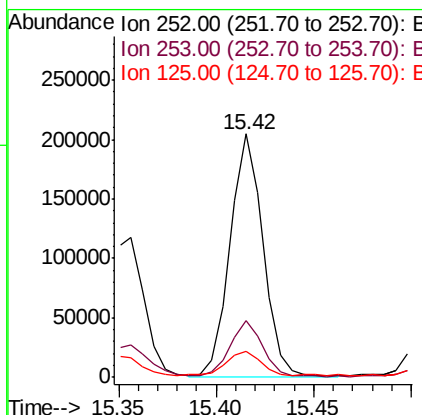
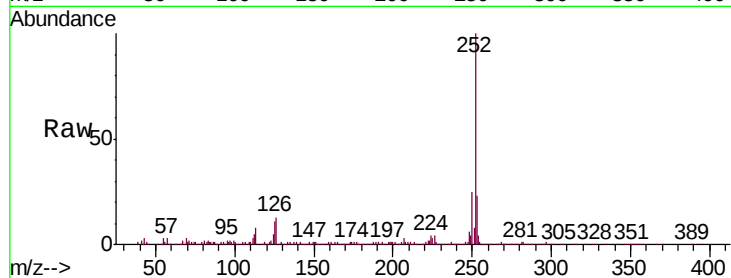




#90
Benzo(a)pyrene
Concen: 6.917 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

Tgt Ion: 252 Resp: 238928
Ion Ratio Lower Upper
252 100
253 23.3 18.8 28.2
125 10.9 7.8 11.6



#92
Benzo(g,h,i)perylene
Concen: 2.598 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.06 min
Lab File: BF118701.D
Acq: 24 Jan 2020 22:31

Tgt Ion: 276 Resp: 77087
Ion Ratio Lower Upper
276 100
277 23.0 18.9 28.3
138 19.5 14.4 21.6

