

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119619.D
 Acq On : 28 Mar 2020 16:18
 Operator : CG/JU
 Sample : L2036-01
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-03-014-ABCD

Quant Time: Mar 29 23:18:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	290042	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	997060	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	472519	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	810993	20.00	ng	0.00
76) Chrysene-d12	14.00	240	557806	20.00	ng	-0.01
87) Perylene-d12	15.47	264	540648	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	2357265	129.38	ng	0.01
7) Phenol-d6	6.46	99	2384555	102.45	ng	0.00
23) Nitrobenzene-d5	7.40	82	1500969	81.82	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	521019	106.88	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2519351	78.99	ng	0.00
79) Terphenyl-d14	12.96	244	2272196	79.81	ng	0.00

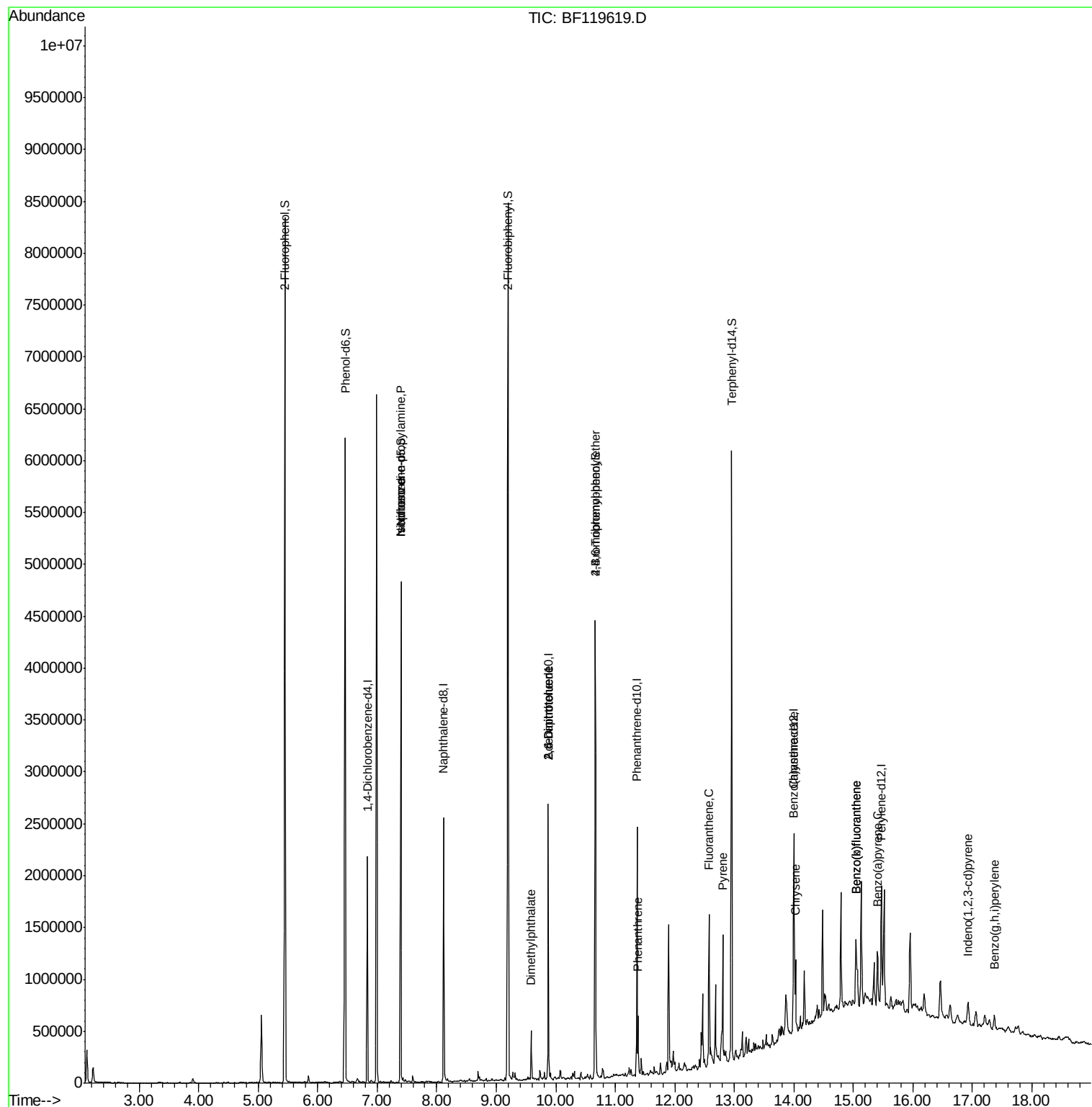
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	204044	14.54	ng	# 76
25) Isophorone	7.40	82	1490808	40.06	ng	# 65
50) Dimethylphthalate	9.59	163	148594	4.43	ng	99
51) 2,6-Dinitrotoluene	9.87	165	61912	8.61	ng	# 26
57) 2,4-Dinitrotoluene	9.87	165	61912	6.83	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	32327	3.50	ng	# 1
71) Phenanthrene	11.39	178	190331	4.53	ng	98
75) Fluoranthene	12.57	202	528349	11.61	ng	97
78) Pyrene	12.80	202	470213	10.27	ng	98
81) Benzo(a)anthracene	13.99	228	302422	8.34	ng	96
83) Chrysene	14.03	228	273554	7.31	ng	96
86) Indeno(1,2,3-cd)pyrene	16.93	276	142622	4.05	ng	95
88) Benzo(b)fluoranthene	15.04	252	516214	14.29	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	516214	15.01	ng	# 95
90) Benzo(a)pyrene	15.40	252	262371	7.99	ng	# 98
92) Benzo(g,h,i)perylene	17.37	276	129821	4.50	ng	# 94

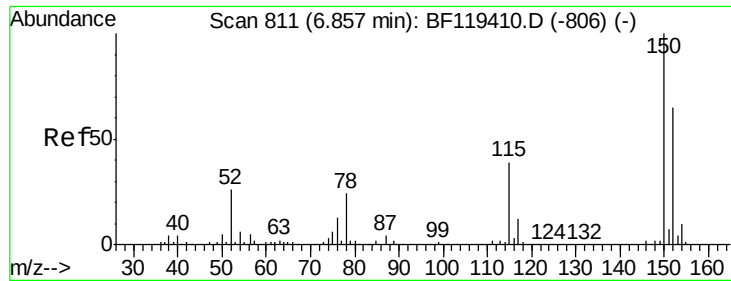
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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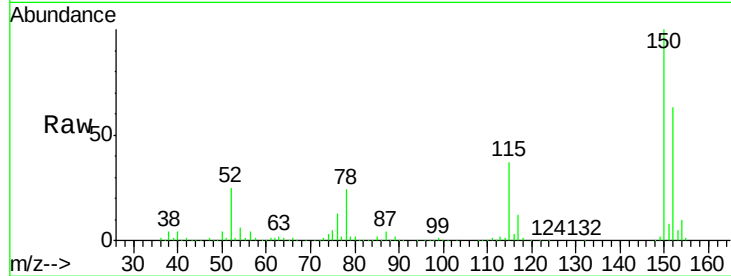


#1

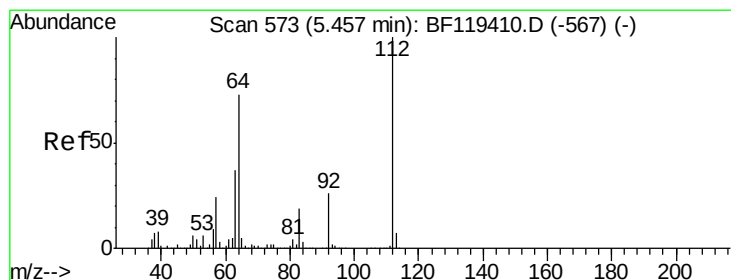
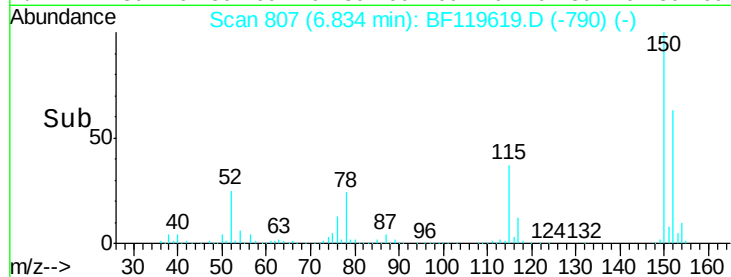
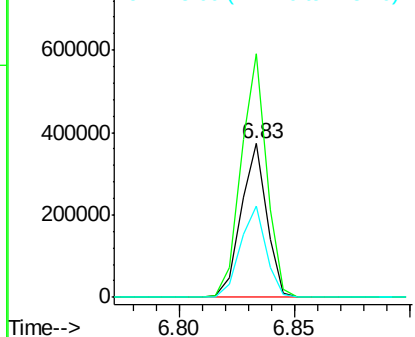
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Instrument :
BNA_F
ClientSampleId :
FK-BPM-03-014-ABCD

Tgt Ion:152 Resp: 290042
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 59.1 49.6 74.4



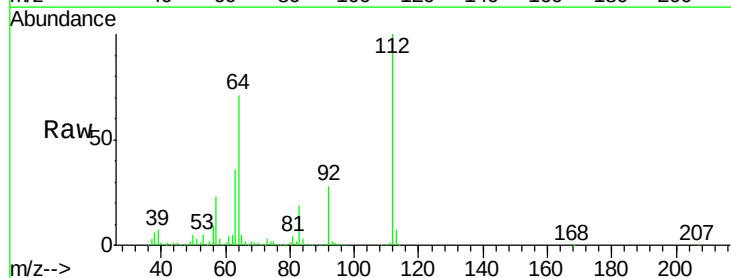
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



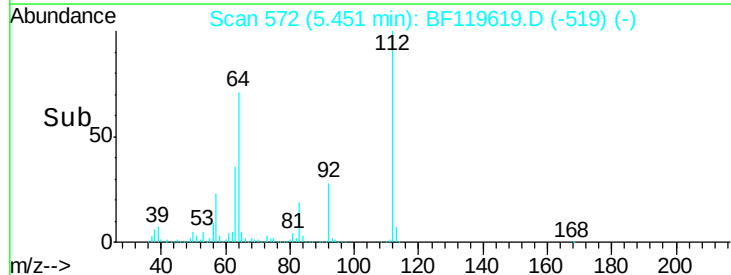
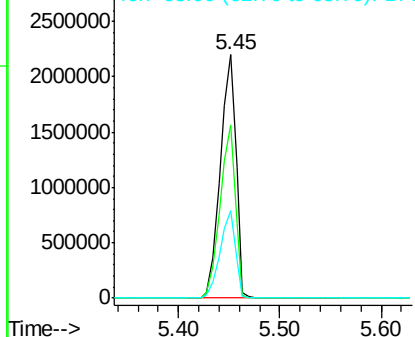
#5

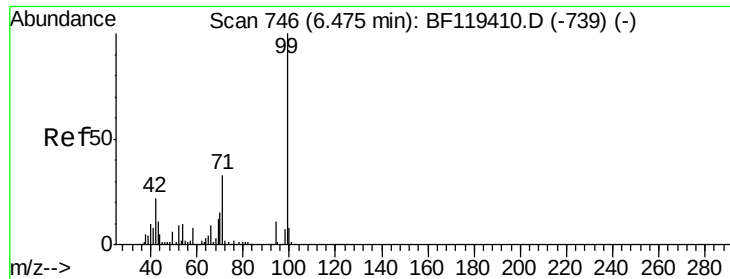
2-Fluorophenol
Concen: 129.38 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Tgt Ion:112 Resp: 2357265
Ion Ratio Lower Upper
112 100
64 71.0 56.7 85.1
63 35.9 29.5 44.3



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: 102.45 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Instrument :

BNA_F

ClientSampleId :

FK-BPM-03-014-ABCD

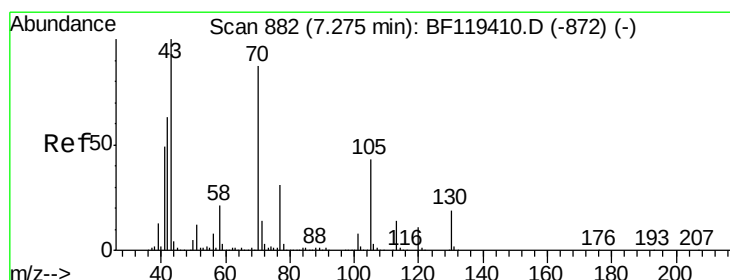
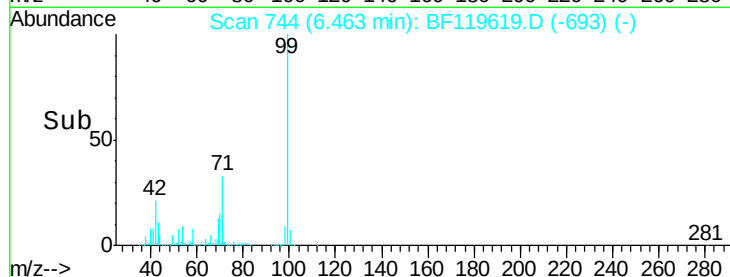
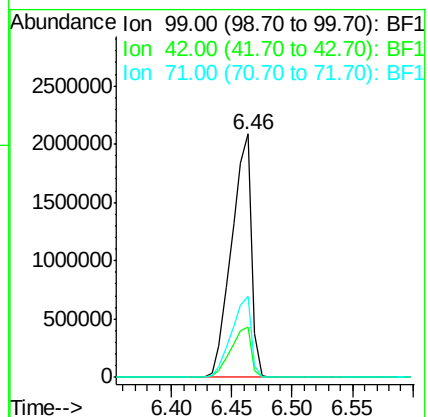
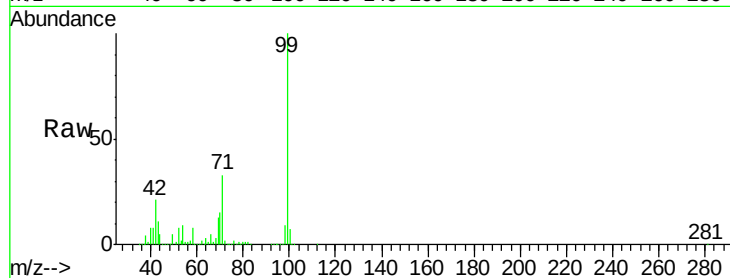
Tgt Ion: 99 Resp: 2384555

Ion Ratio Lower Upper

99 100

42 20.5 16.6 24.8

71 33.2 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.54 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Tgt Ion: 70 Resp: 204044

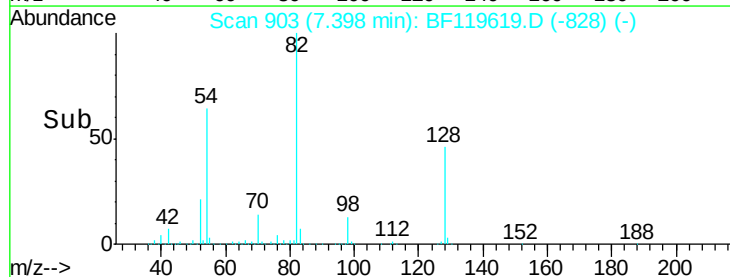
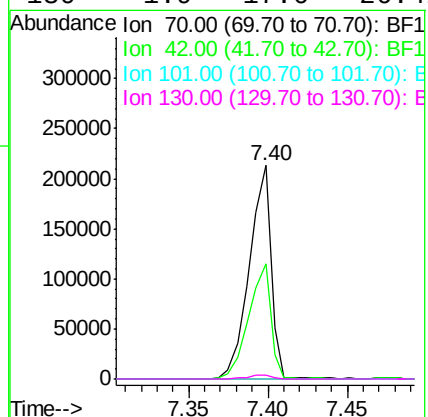
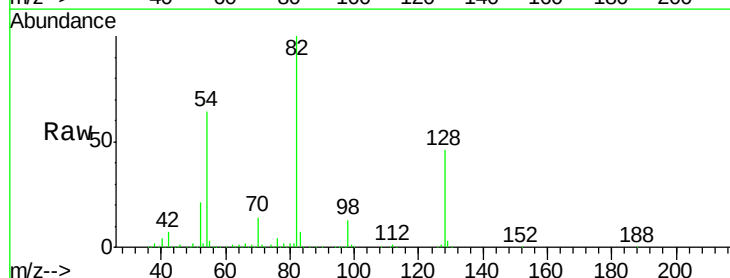
Ion Ratio Lower Upper

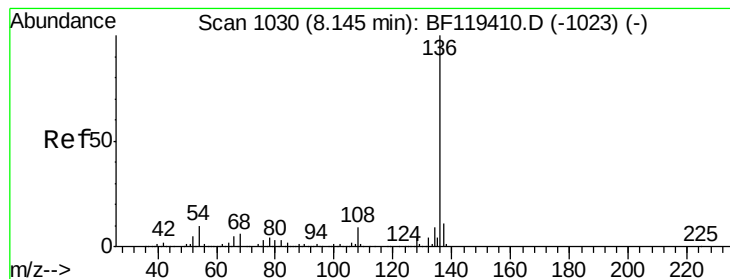
70 100

42 53.8 54.5 81.7#

101 0.0 7.6 11.4#

130 1.9 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Instrument :

BNA_F

ClientSampleId :

FK-BPM-03-014-ABCD

Tgt Ion:136 Resp: 997060

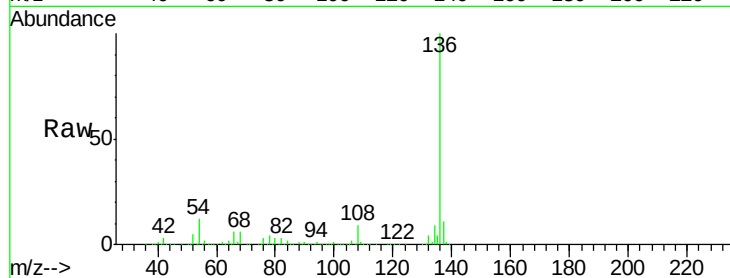
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.6 9.1 13.7

68 6.0 4.6 6.8

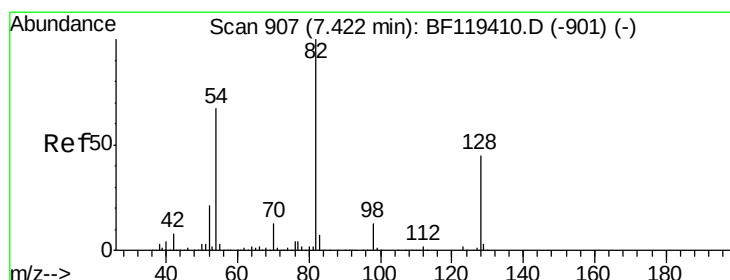
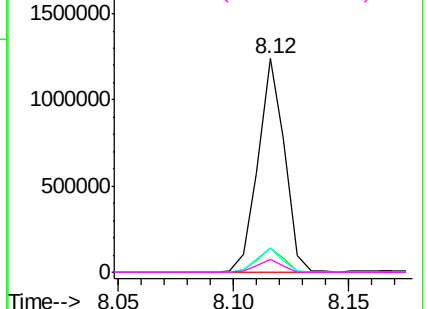
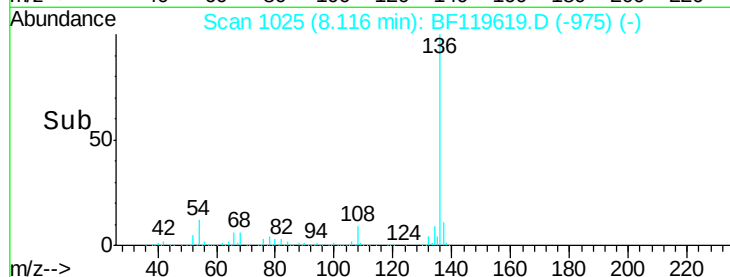


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 81.82 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

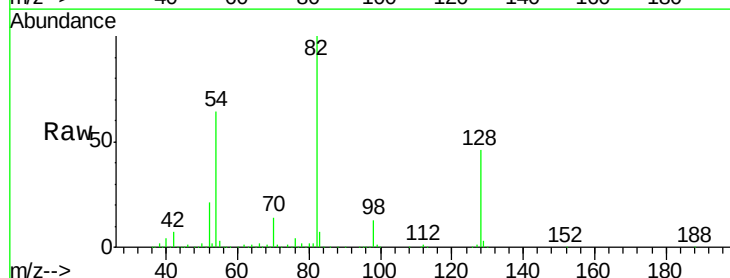
Tgt Ion: 82 Resp: 1500969

Ion Ratio Lower Upper

82 100

128 46.1 36.3 54.5

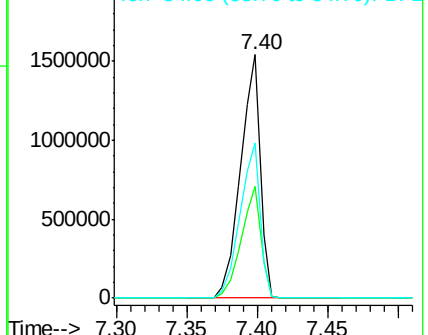
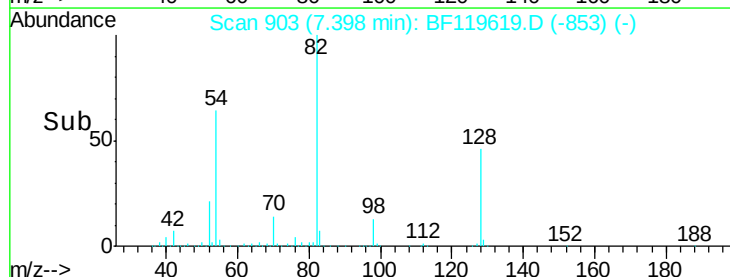
54 63.7 50.6 75.8

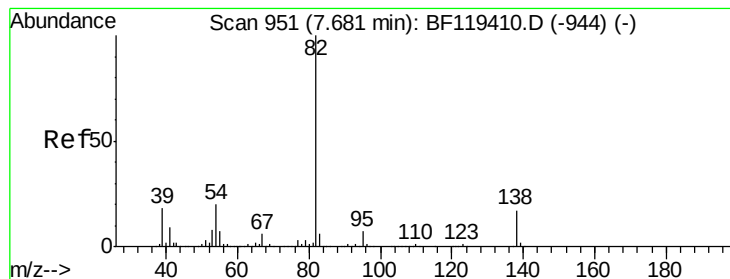


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.06 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Instrument :

BNA_F

ClientSampleId :

FK-BPM-03-014-ABCD

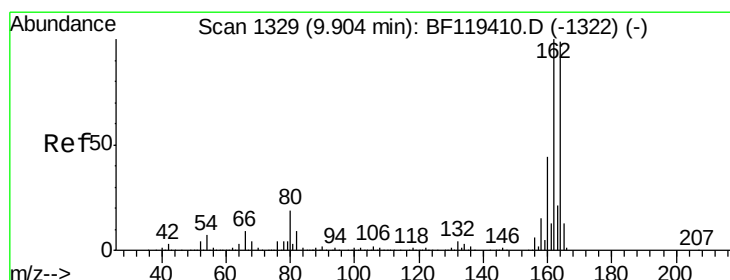
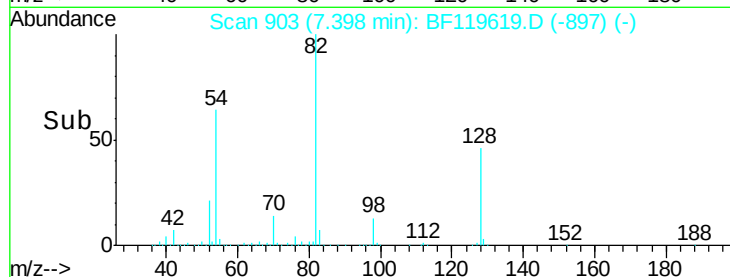
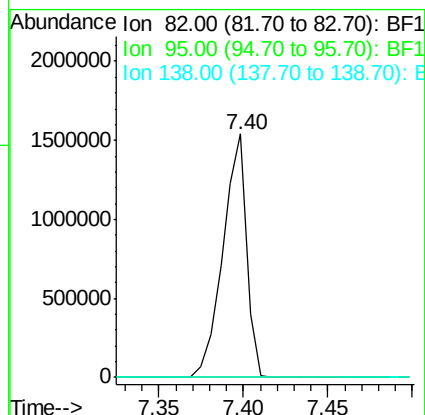
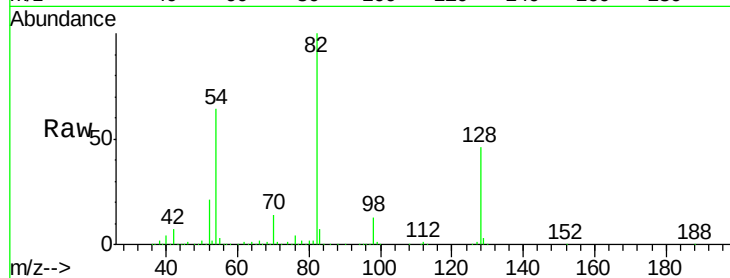
Tgt Ion: 82 Resp: 1490808

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

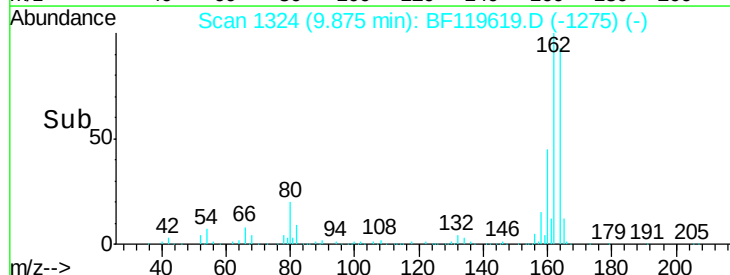
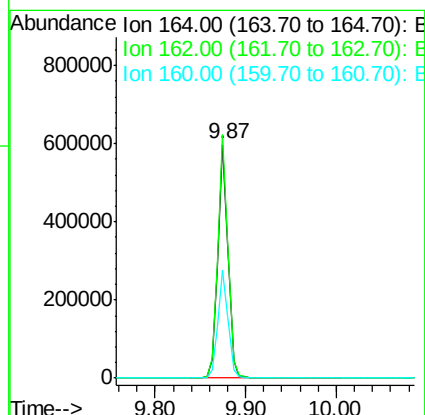
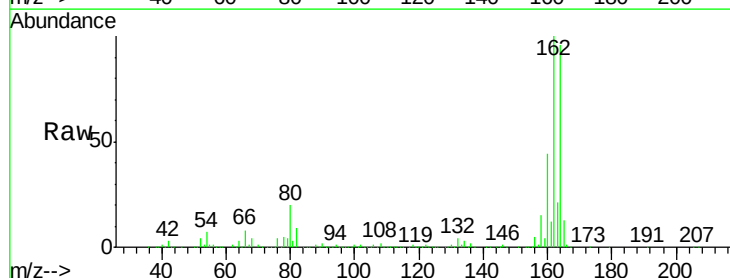
Tgt Ion: 164 Resp: 472519

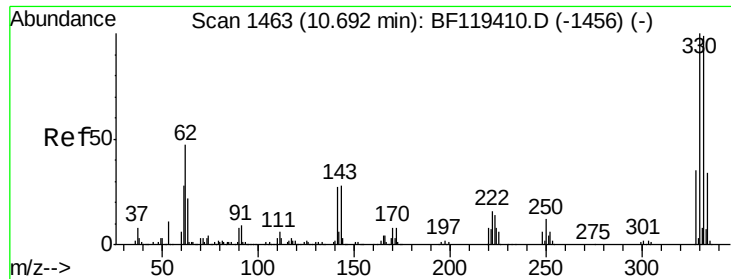
Ion Ratio Lower Upper

164 100

162 104.1 80.6 121.0

160 46.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 106.88 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Instrument :

BNA_F

ClientSampleId :

FK-BPM-03-014-ABCD

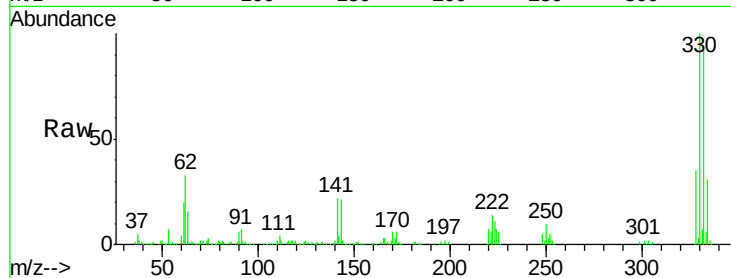
Tgt Ion:330 Resp: 521019

Ion Ratio Lower Upper

330 100

332 94.8 75.7 113.5

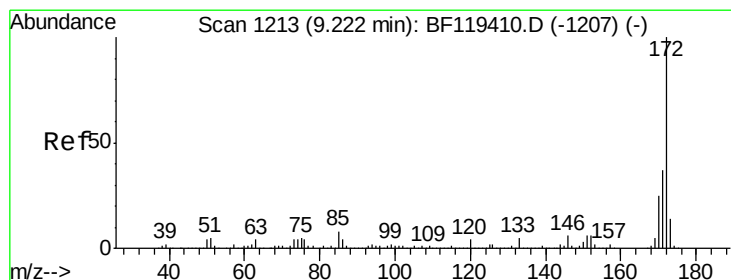
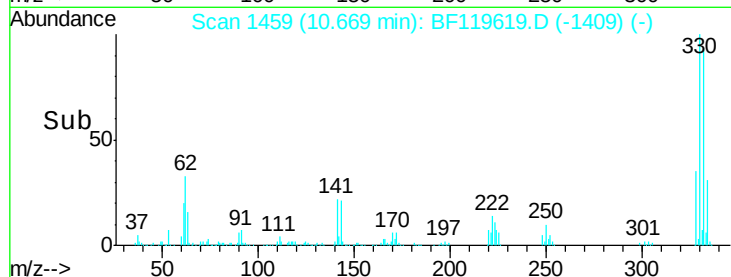
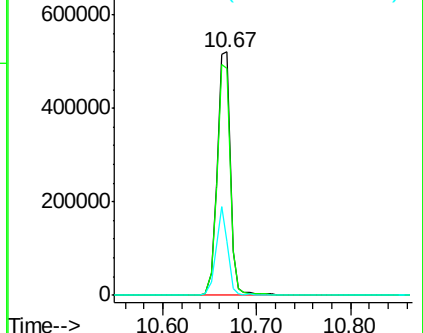
141 32.2 25.4 38.0



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: 78.99 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

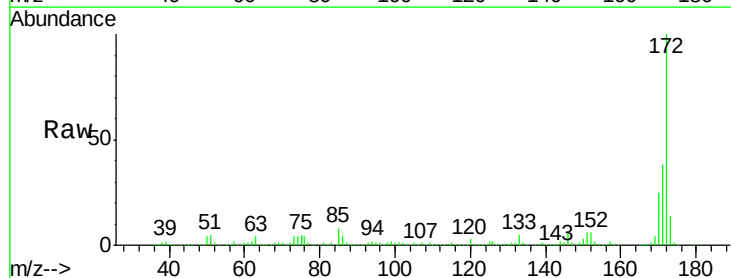
Tgt Ion:172 Resp: 2519351

Ion Ratio Lower Upper

172 100

171 37.7 29.6 44.4

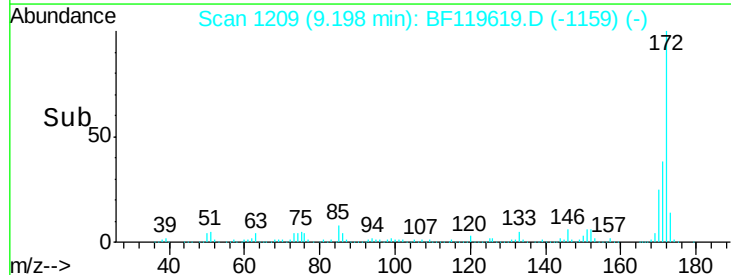
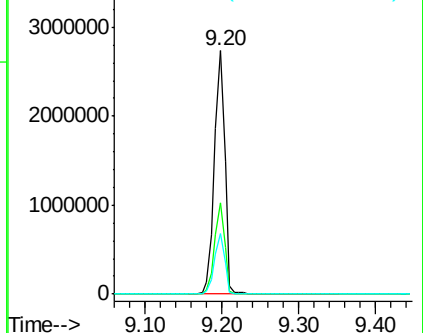
170 24.9 20.2 30.2

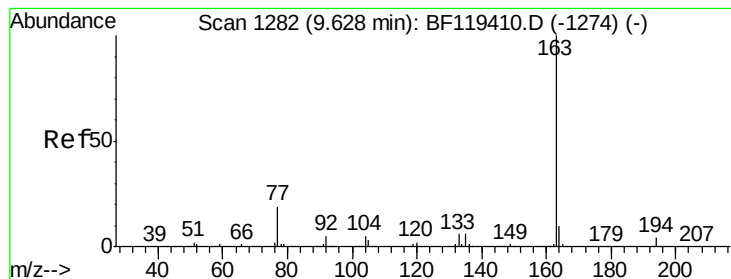


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.43 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Instrument :

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ClientSampleId :

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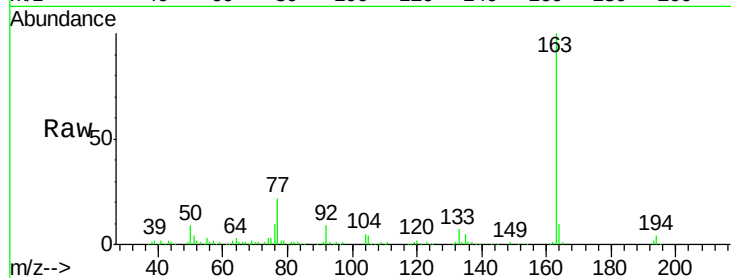
Tgt Ion:163 Resp: 148594

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

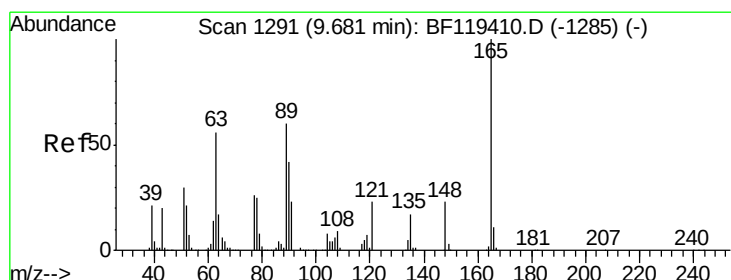
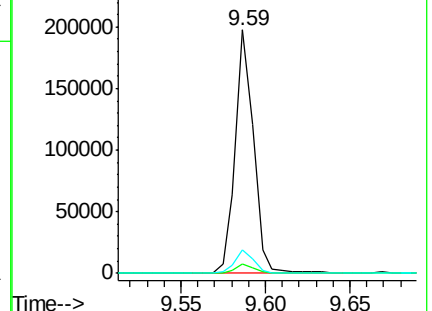
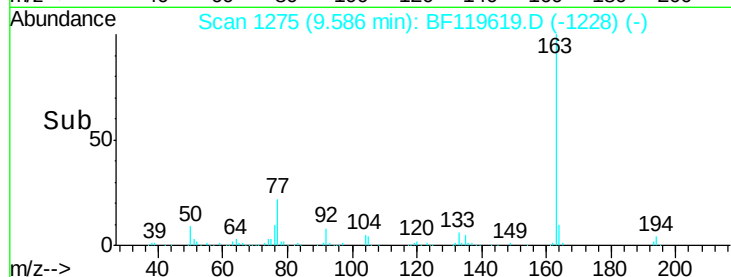
164 9.6 8.2 12.2



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: 8.61 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

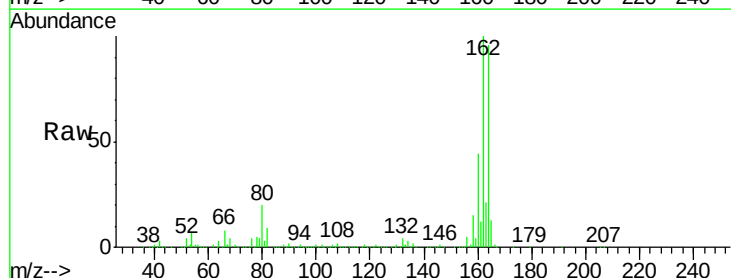
Tgt Ion:165 Resp: 61912

Ion Ratio Lower Upper

165 100

63 1.5 45.0 67.4#

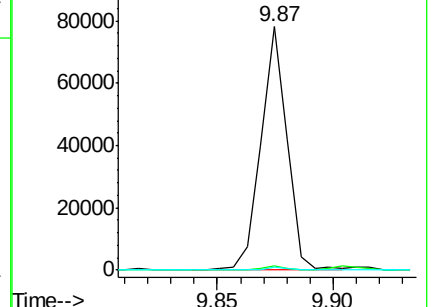
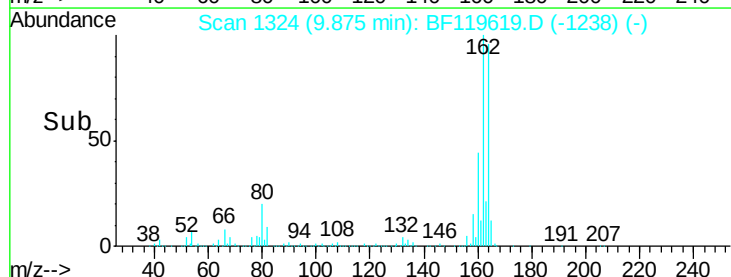
89 1.1 41.5 62.3#

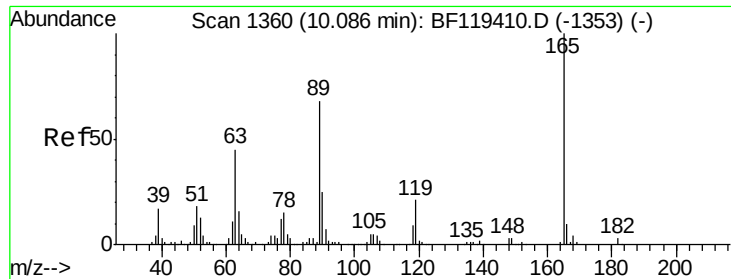


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

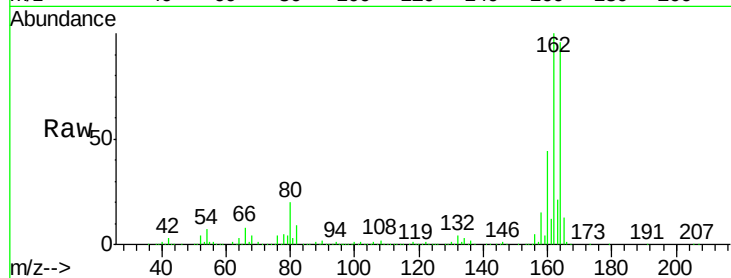




#57
 2,4-Dinitrotoluene
 Concen: 6.83 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF119619.D
 Acq: 28 Mar 2020 16:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-03-014-ABCD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.6	64.0#
89	1.1	61.0	91.4#
182	0.0	2.2	3.2#

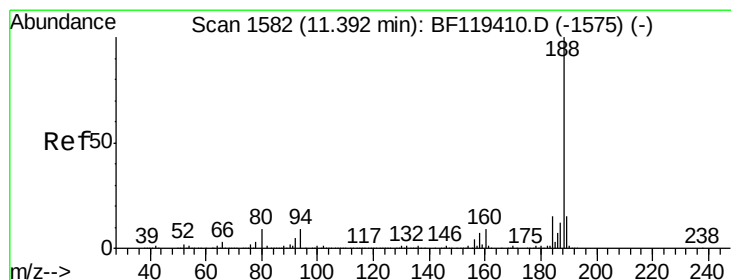
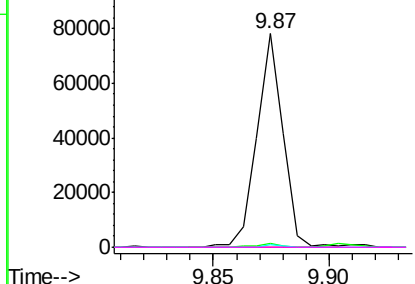
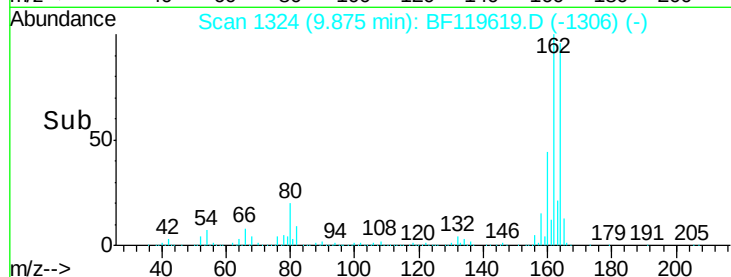


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

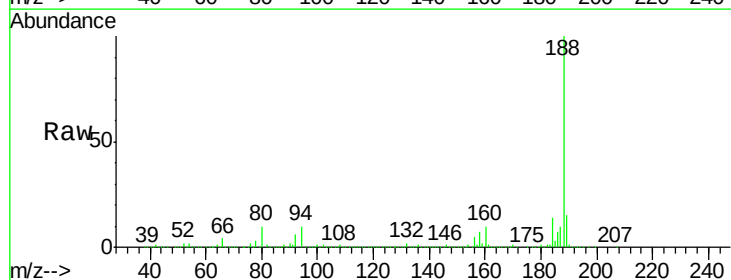
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119619.D
 Acq: 28 Mar 2020 16:18

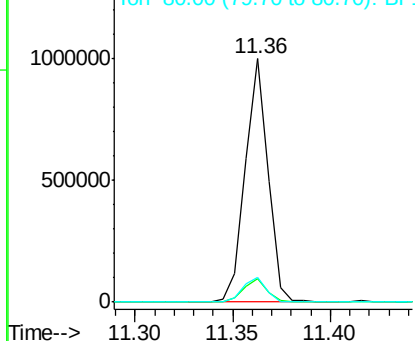
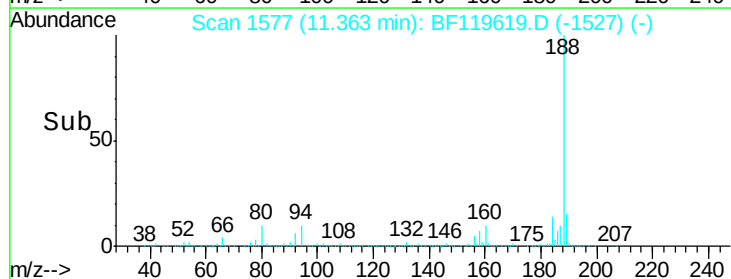
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.5	11.3
80	10.1	9.0	13.4

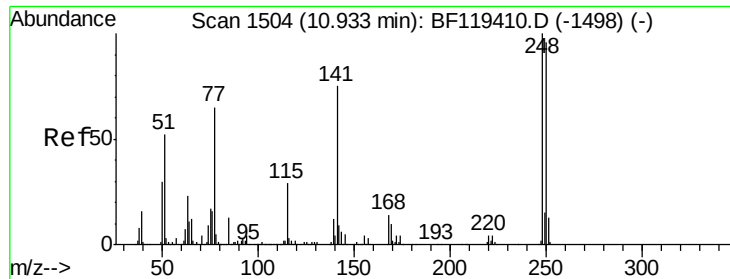


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

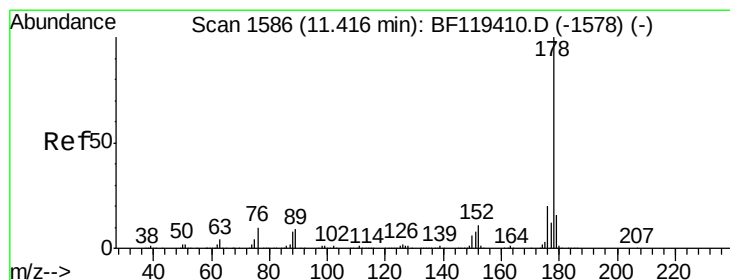
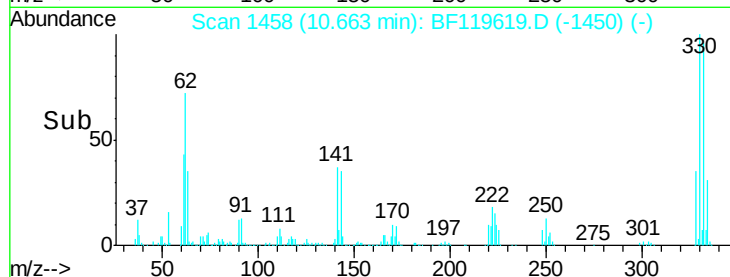
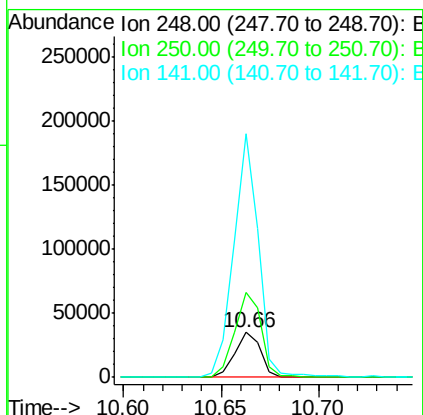
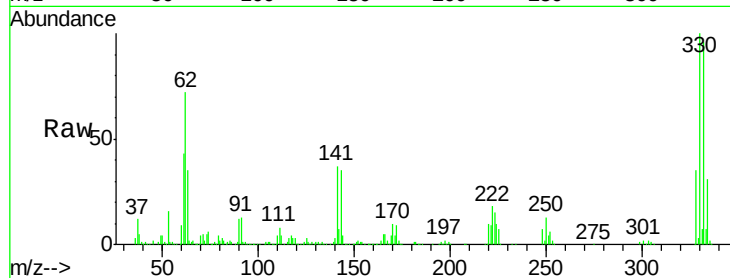




#67
4-Bromophenyl-phenylether
Concen: 3.50 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

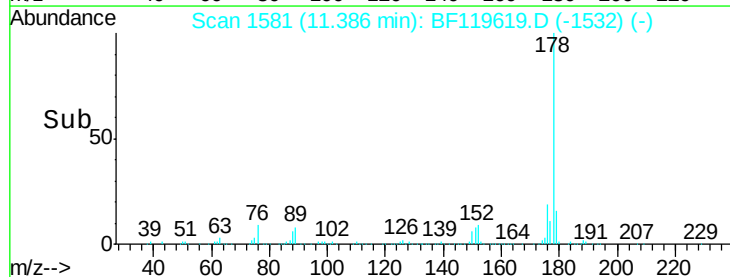
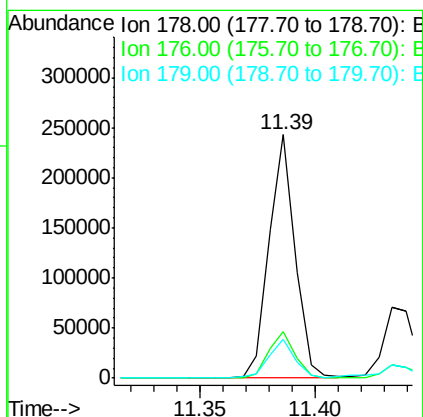
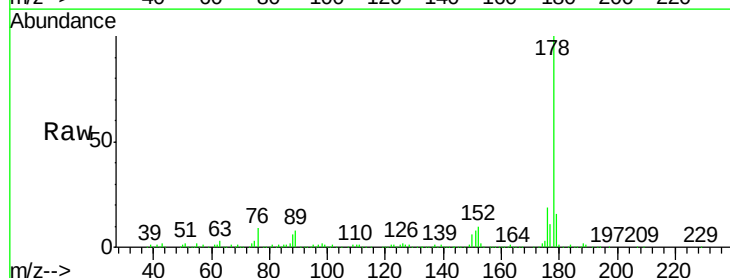
Instrument :
BNA_F
ClientSampleId :
FK-BPM-03-014-ABCD

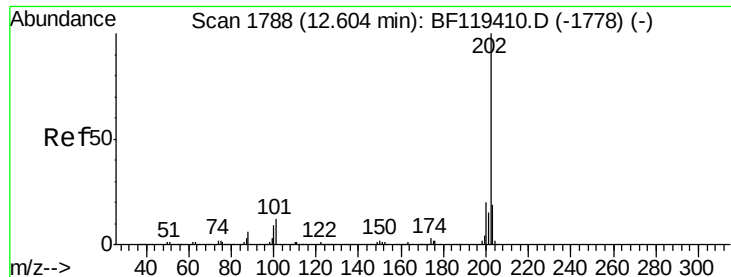
Tgt Ion:248 Resp: 32327
Ion Ratio Lower Upper
248 100
250 188.7 77.3 115.9#
141 543.5 58.6 87.8#



#71
Phenanthrene
Concen: 4.53 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Tgt Ion:178 Resp: 190331
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 16.1 13.2 19.8





#75

Fluoranthene

Concen: 11.61 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

Instrument :

BNA_F

ClientSampleId :

FK-BPM-03-014-ABCD

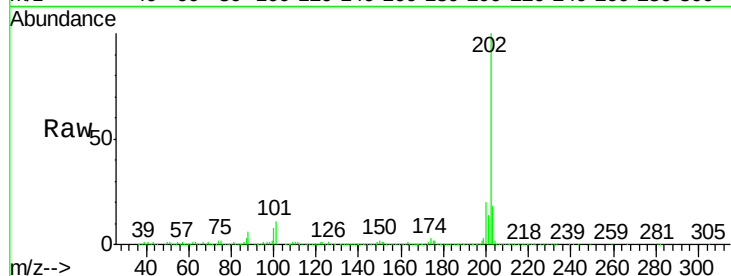
Tgt Ion:202 Resp: 528349

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.2

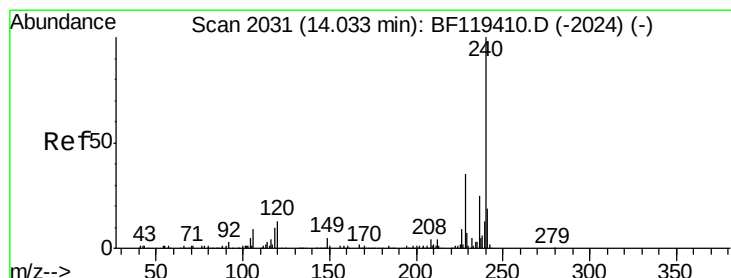
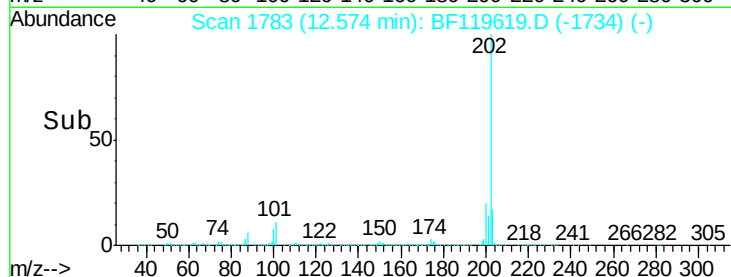
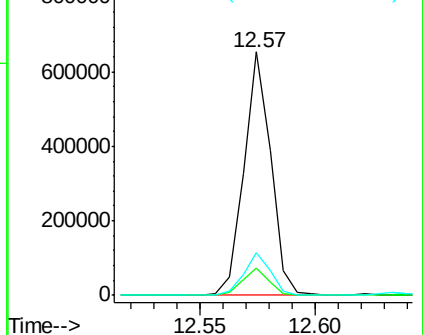
203 17.5 0.0 38.8



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: 20.00 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF119619.D

Acq: 28 Mar 2020 16:18

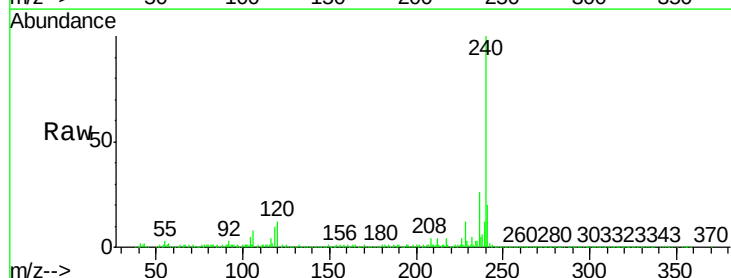
Tgt Ion:240 Resp: 557806

Ion Ratio Lower Upper

240 100

120 12.3 10.6 15.8

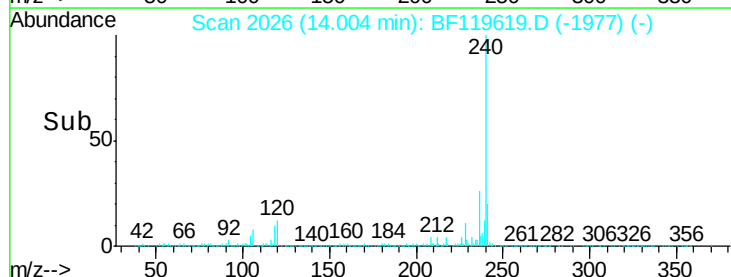
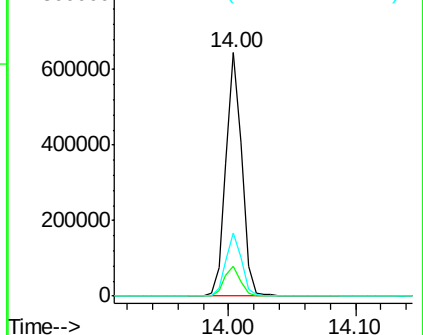
236 26.0 20.2 30.2

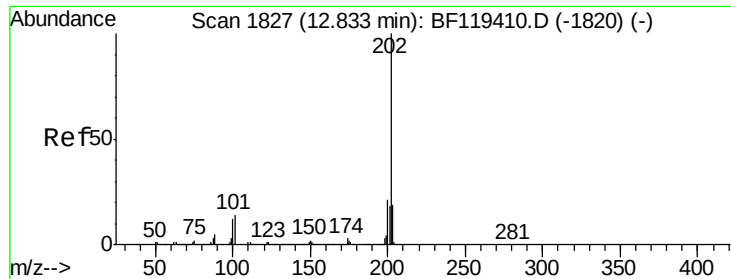


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

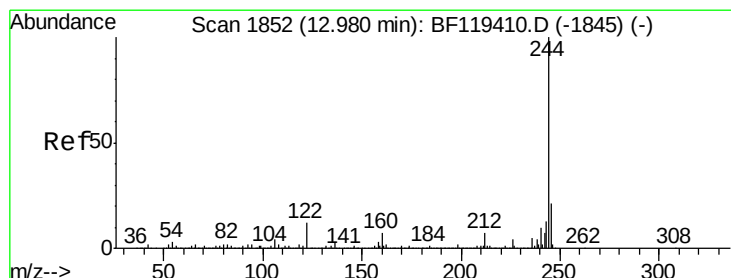
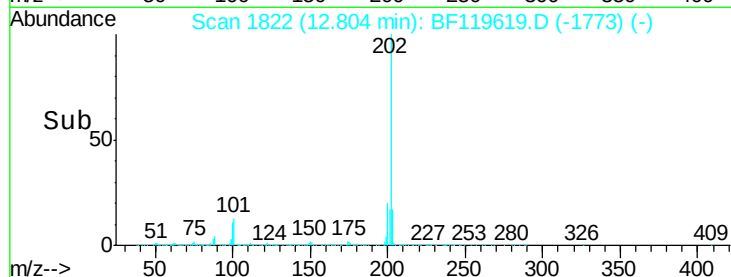
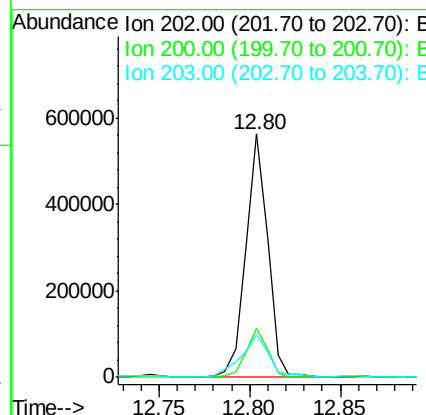
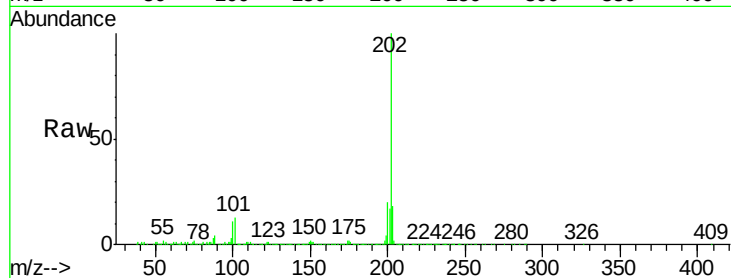




#78
 Pyrene
 Concen: 10.27 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF119619.D
 Acq: 28 Mar 2020 16:18

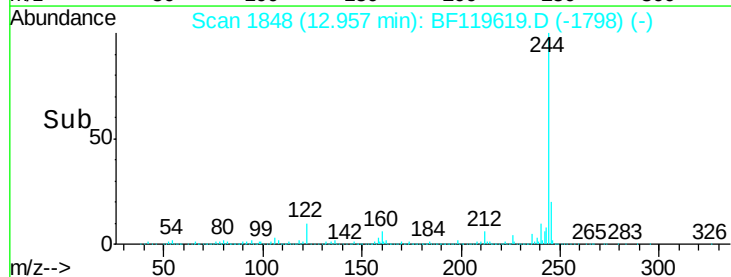
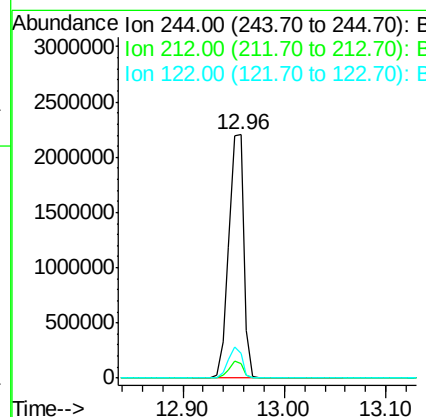
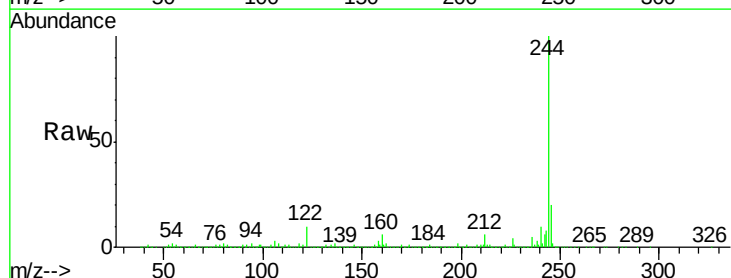
Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-03-014-ABCD

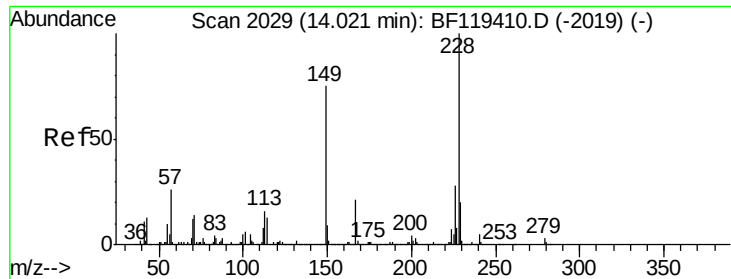
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	17.5	15.1	22.7



#79
 Terphenyl-d14
 Concen: 79.81 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF119619.D
 Acq: 28 Mar 2020 16:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.8
122	10.0	10.3	15.5

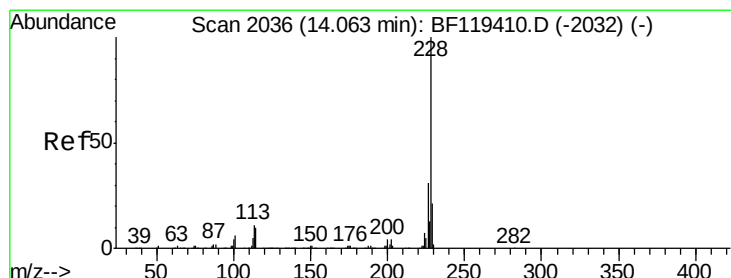
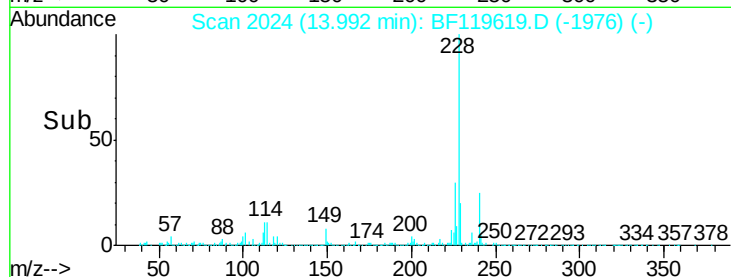
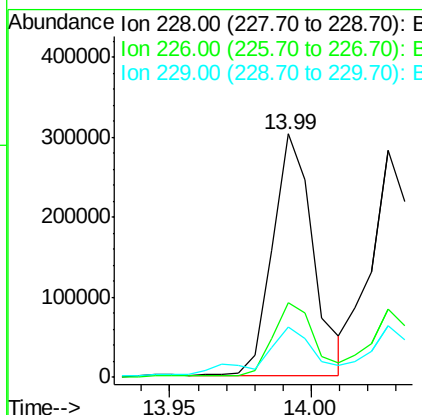
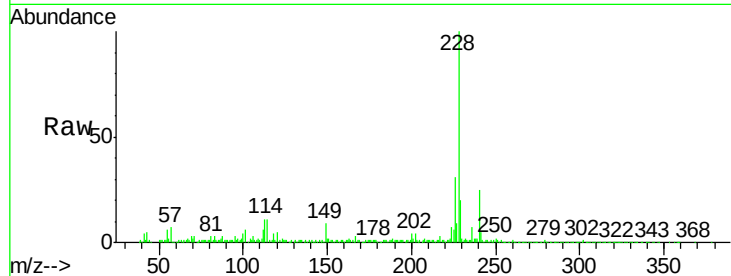




#81
Benzo(a)anthracene
Concen: 8.34 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

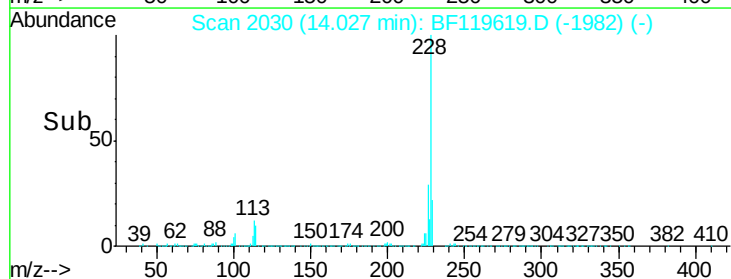
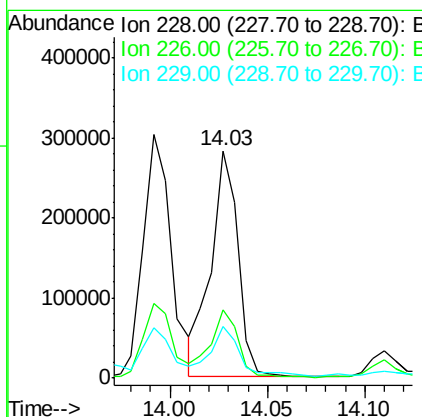
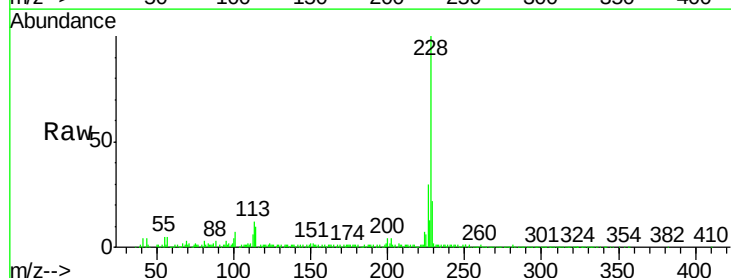
Instrument :
BNA_F
ClientSampleId :
FK-BPM-03-014-ABCD

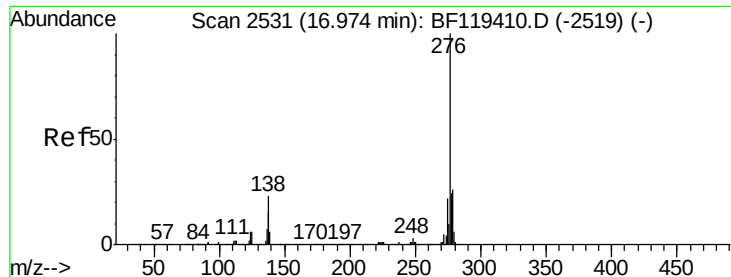
Tgt Ion:228 Resp: 302422
Ion Ratio Lower Upper
228 100
226 30.7 21.8 32.8
229 20.5 16.2 24.4



#83
Chrysene
Concen: 7.31 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Tgt Ion:228 Resp: 273554
Ion Ratio Lower Upper
228 100
226 29.8 25.4 38.0
229 22.5 16.6 24.8

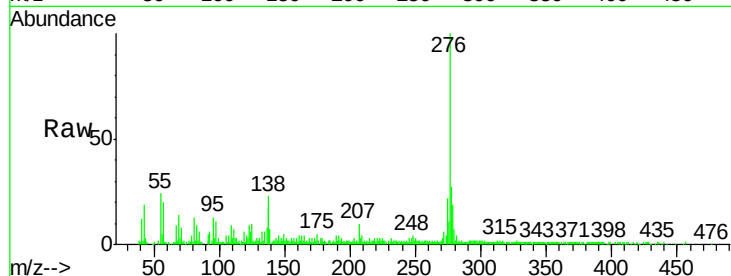




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.05 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Instrument :
BNA_F
ClientSampleId :
FK-BPM-03-014-ABCD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.6	29.4
277	23.9	20.0	30.0

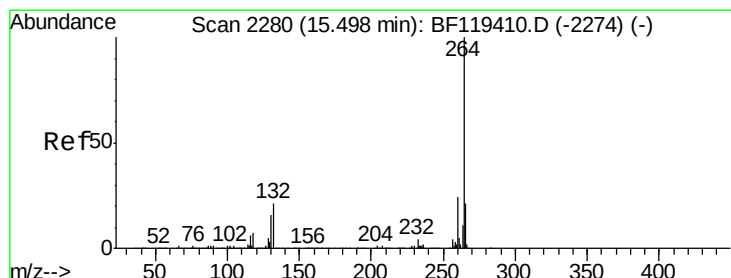
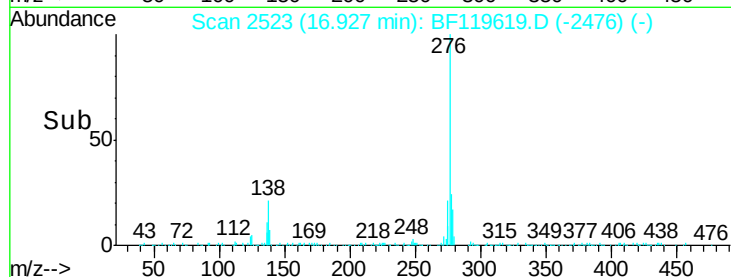
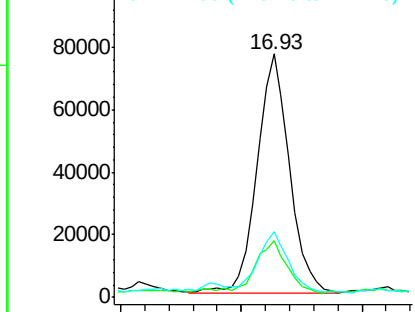


Abundance

Ion 276.00 (275.70 to 276.70): E

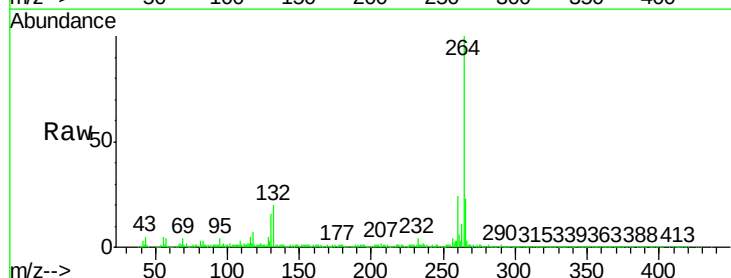
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.6	17.7	26.5

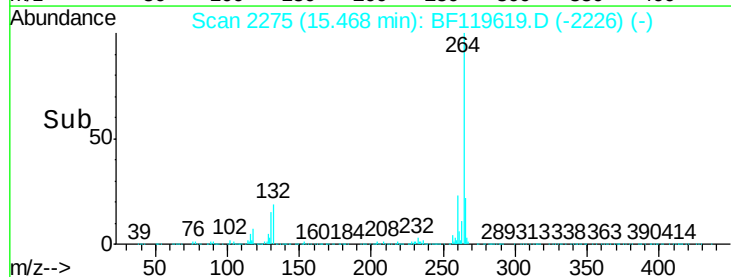
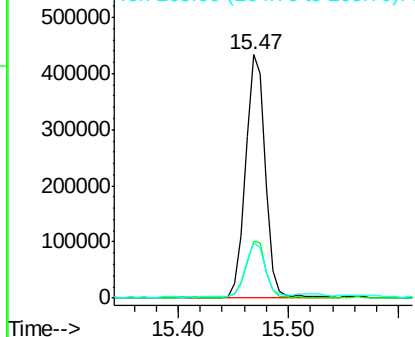


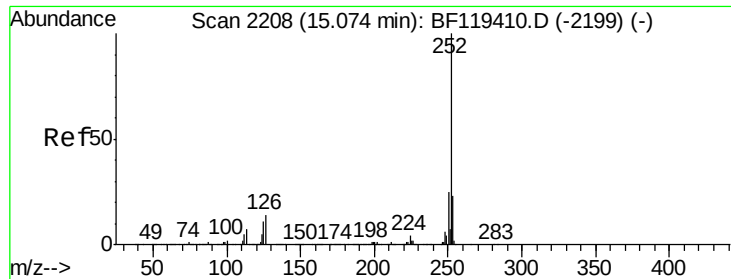
Abundance

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

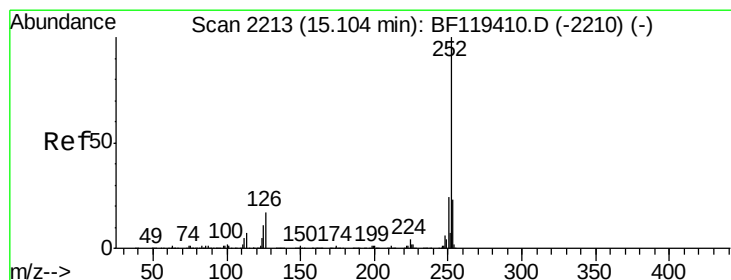
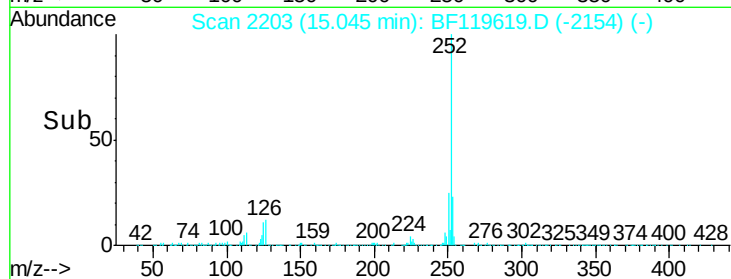
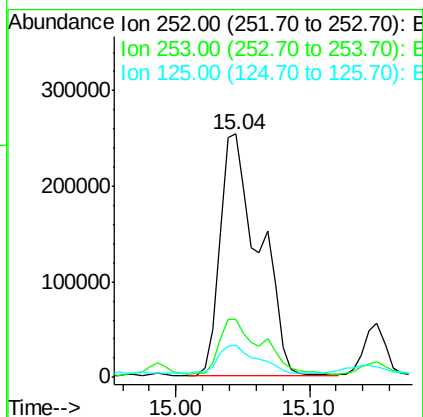
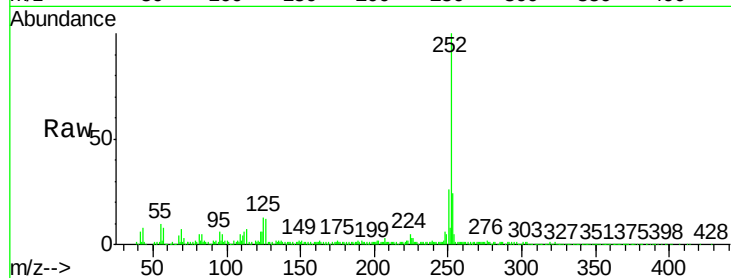




#88
Benzo(b)fluoranthene
Concen: 14.29 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

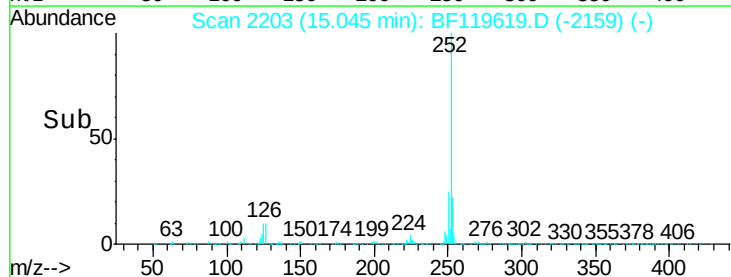
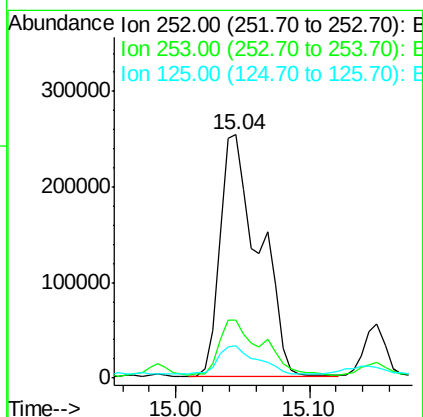
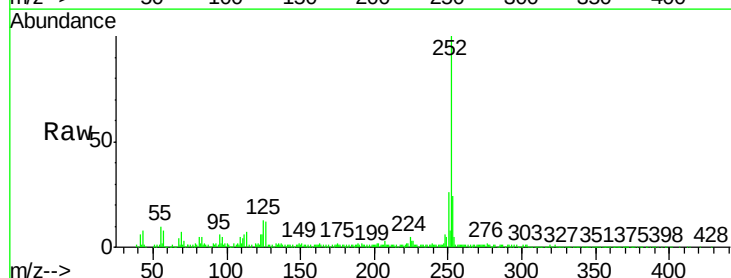
Instrument :
BNA_F
ClientSampleId :
FK-BPM-03-014-ABCD

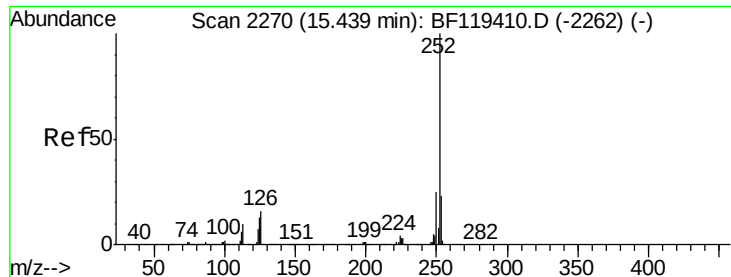
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	13.4	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 15.01 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	13.4	8.4	12.6#

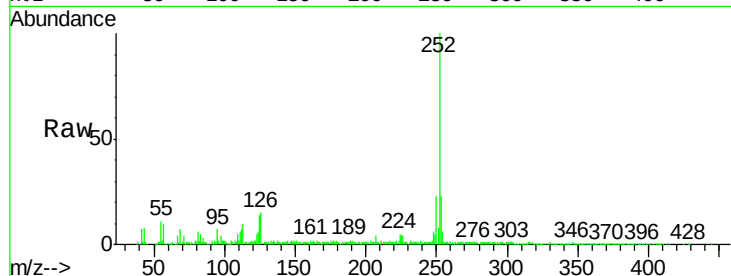




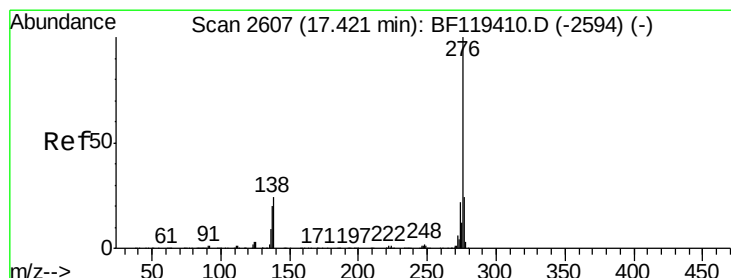
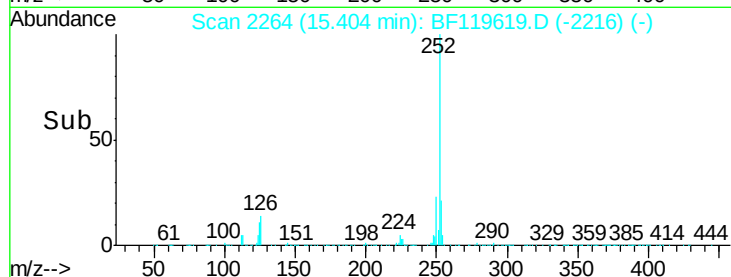
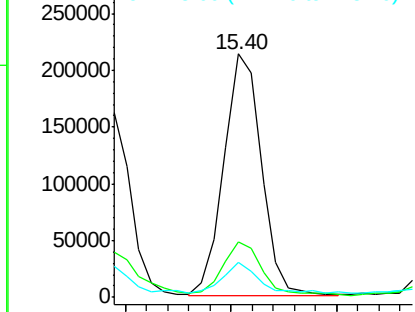
#90
Benzo(a)pyrene
Concen: 7.99 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Instrument :
BNA_F
ClientSampleId :
FK-BPM-03-014-ABCD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.2	9.4	14.2#

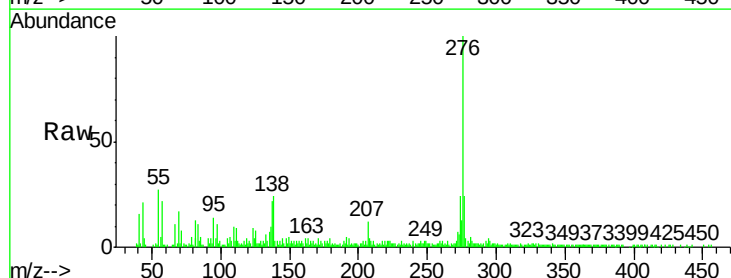


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.50 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.03 min
Lab File: BF119619.D
Acq: 28 Mar 2020 16:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.4	27.6
138	24.0	15.4	23.0#



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

