

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119744.D
 Acq On : 4 Apr 2020 4:53
 Operator : MA/SJ
 Sample : L2129-26
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Apr 04 05:33:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

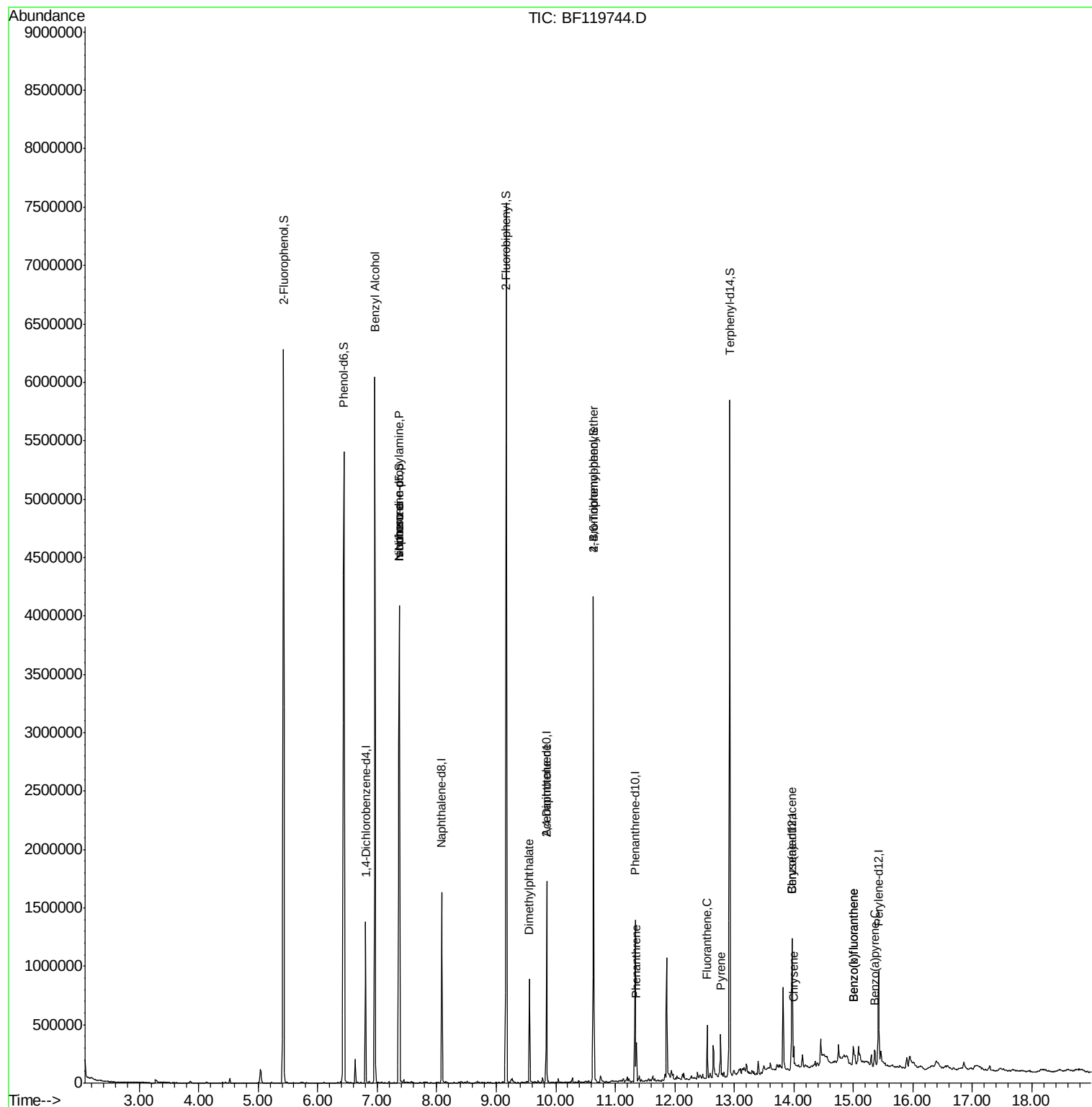
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	182057	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	677368	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	326035	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	549667	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	351421	20.00	ng	-0.03
87) Perylene-d12	15.42	264	362160	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1906060	166.67	ng	0.01
7) Phenol-d6	6.44	99	2445787	167.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	1511431	121.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	580308	172.53	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2599169	118.10	ng	-0.01
79) Terphenyl-d14	12.92	244	2192567	122.24	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.96	79	24594	2.24	ng	# 48
19) n-Nitroso-di-n-propylamine	7.37	70	198788	22.57	ng	# 73
25) Isophorone	7.37	82	1511415	59.78	ng	# 65
50) Dimethylphthalate	9.56	163	339968	14.68	ng	99
57) 2,4-Dinitrotoluene	9.85	165	41633	6.66	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	34824	5.56	ng	# 1
71) Phenanthrene	11.35	178	122319	4.29	ng	95
75) Fluoranthene	12.55	202	178890	5.80	ng	95
78) Pyrene	12.77	202	160634	5.57	ng	95
81) Benzo(a)anthracene	13.96	228	69815	3.06	ng	96
83) Chrysene	14.00	228	75969	3.22	ng	96
88) Benzo(b)fluoranthene	15.00	252	120925	5.00	ng	98
89) Benzo(k)fluoranthene	15.00	252	120925	5.25	ng	99
90) Benzo(a)pyrene	15.36	252	61051	2.78	ng	99

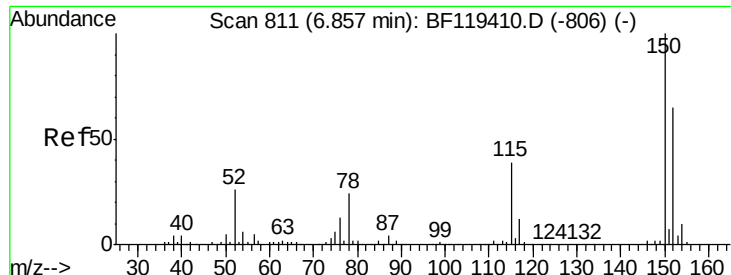
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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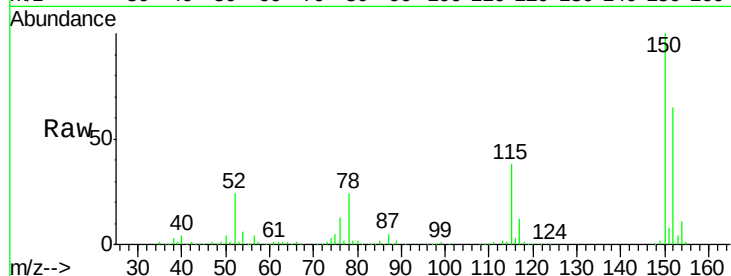


#1

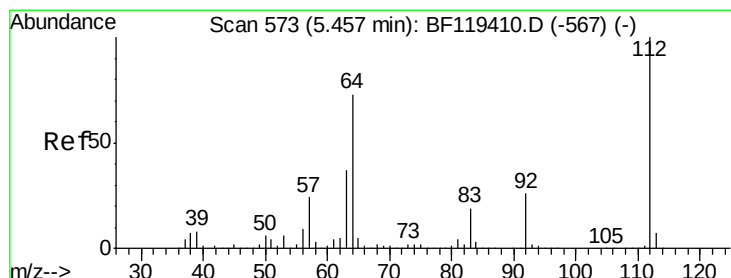
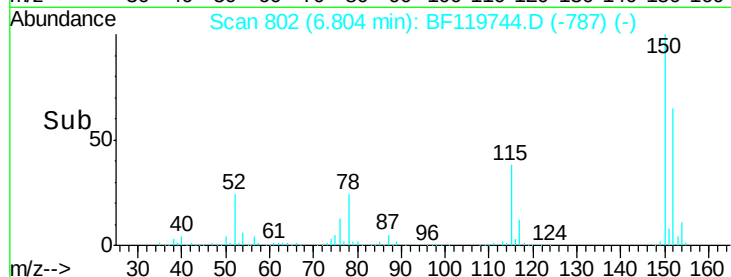
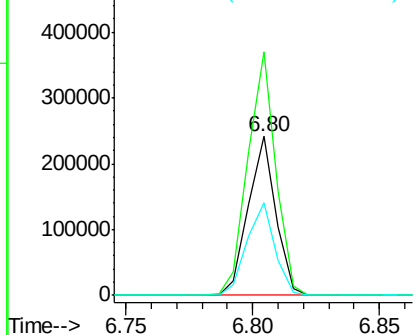
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:152 Resp: 182057
Ion Ratio Lower Upper
152 100
150 153.5 124.5 186.7
115 58.0 49.6 74.4



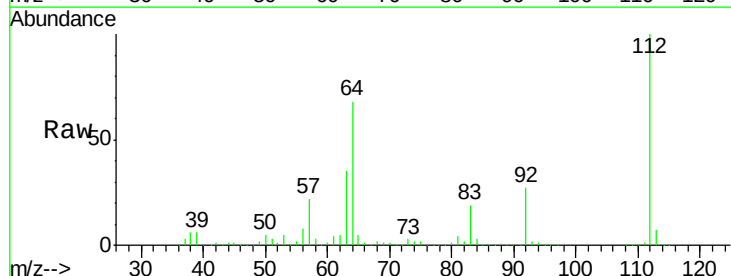
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



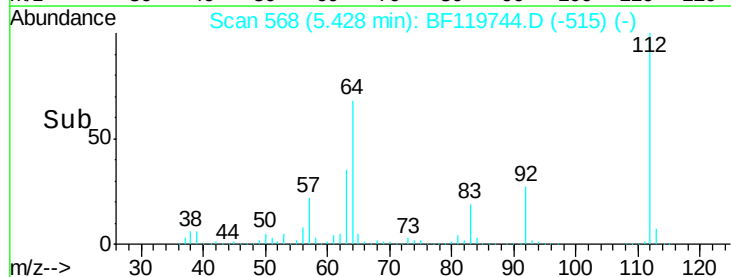
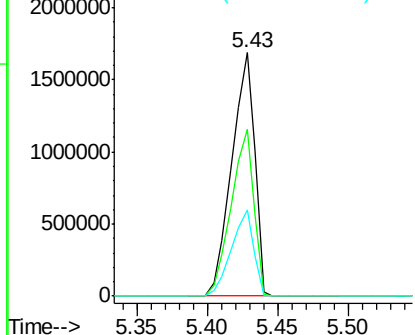
#5

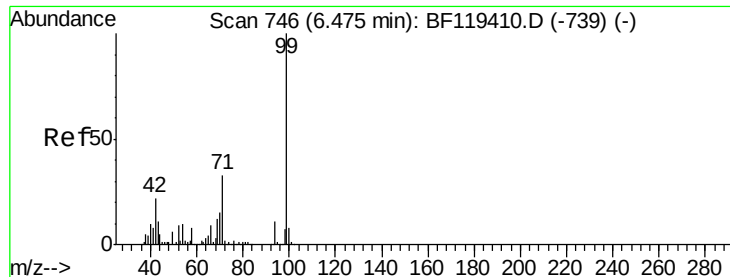
2-Fluorophenol
Concen: 166.67 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion:112 Resp: 1906060
Ion Ratio Lower Upper
112 100
64 68.4 56.7 85.1
63 35.3 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: 167.41 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

Instrument :

BNA_F

ClientSampleId :

TP-2

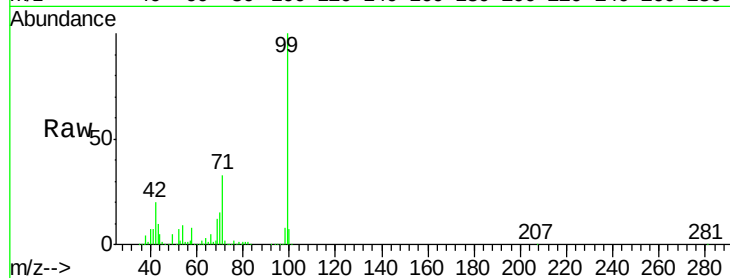
Tgt Ion: 99 Resp: 2445787

Ion Ratio Lower Upper

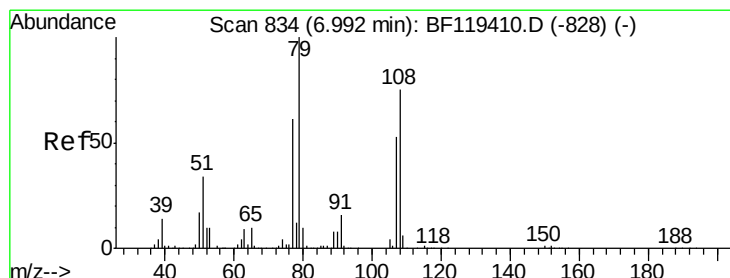
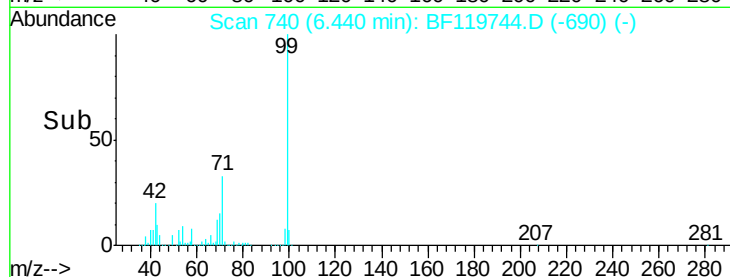
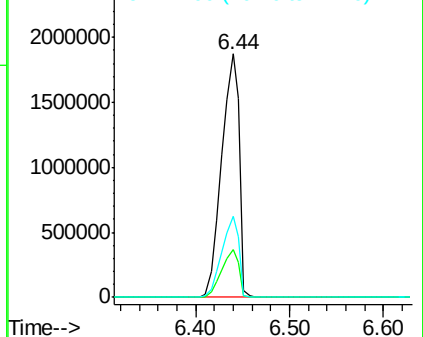
99 100

42 19.6 16.6 24.8

71 33.4 26.4 39.6



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



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

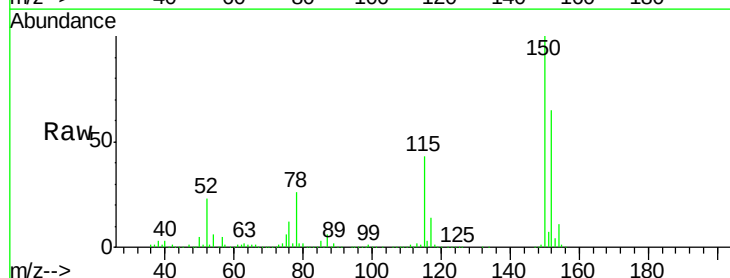
Tgt Ion: 79 Resp: 24594

Ion Ratio Lower Upper

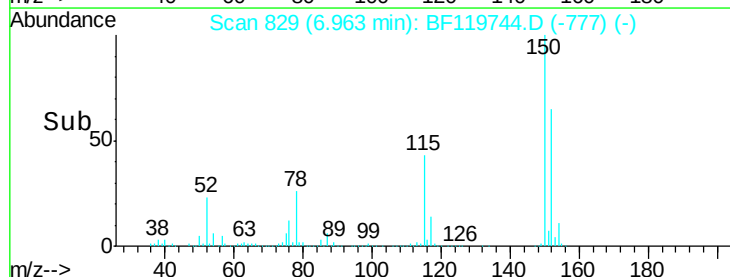
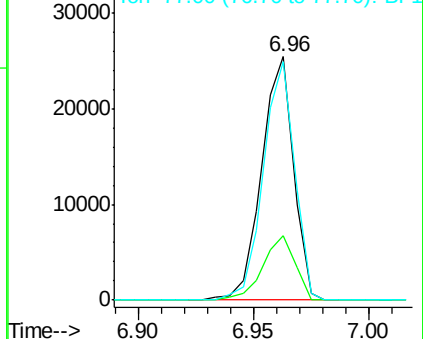
79 100

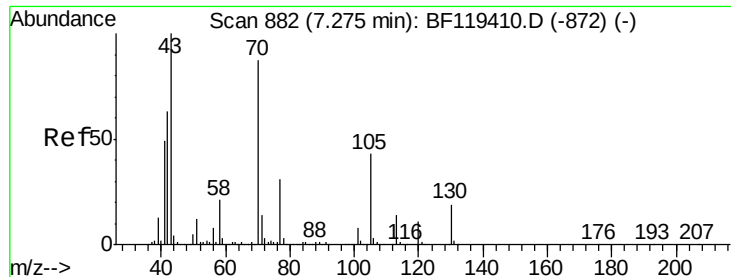
108 26.2 60.6 90.8#

77 97.7 50.2 75.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

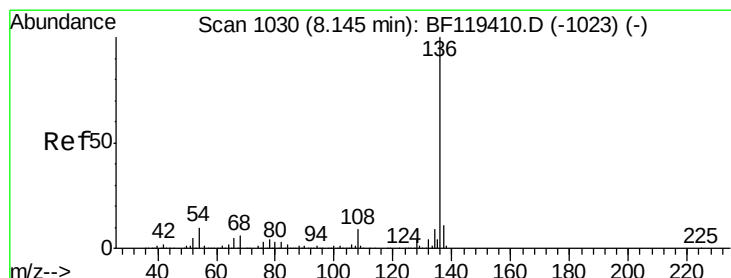
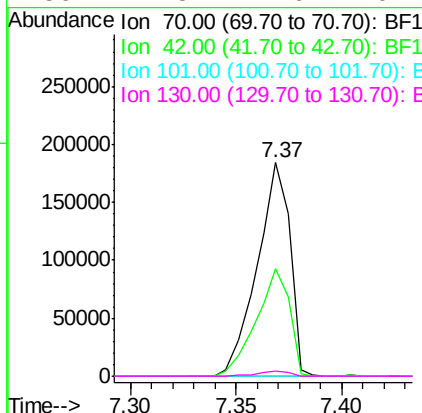
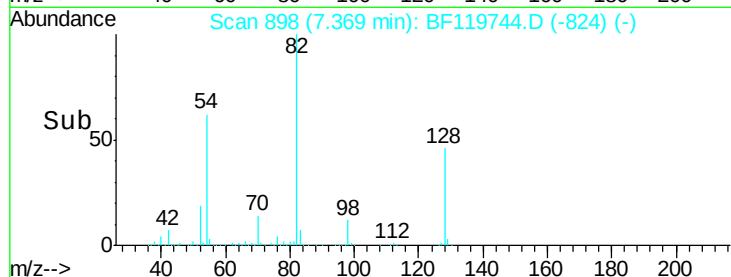
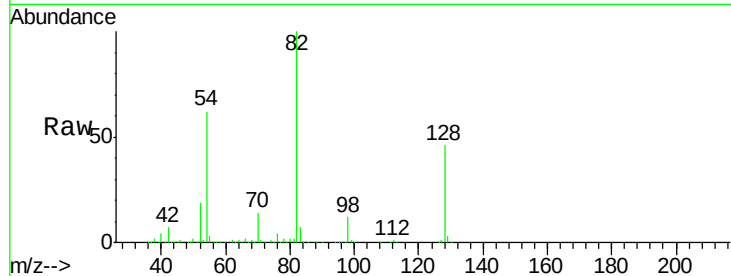




#19
n-Nitroso-di-n-propylamine
Concen: 22.57 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

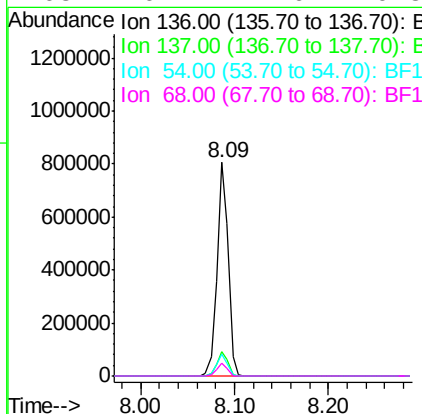
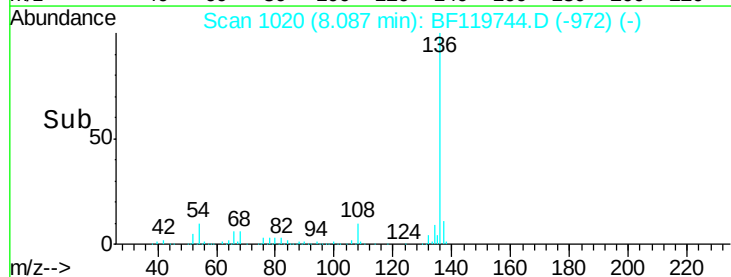
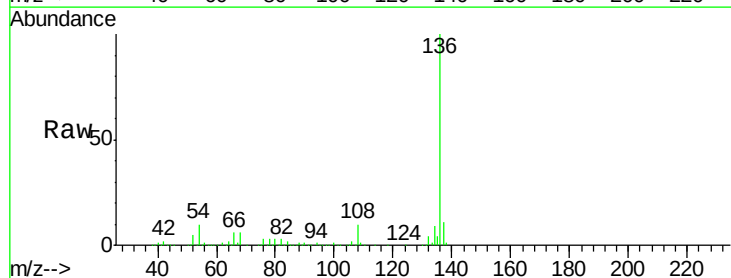
Instrument :
BNA_F
ClientSampleId :
TP-2

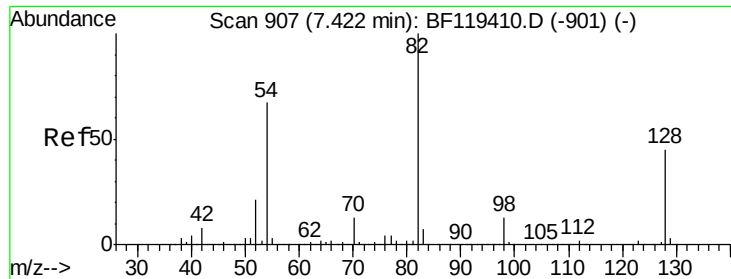
Tgt Ion: 70 Resp: 198788
Ion Ratio Lower Upper
70 100
42 50.3 54.5 81.7#
101 0.0 7.6 11.4#
130 2.3 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion: 136 Resp: 677368
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 10.4 9.1 13.7
68 6.1 4.6 6.8

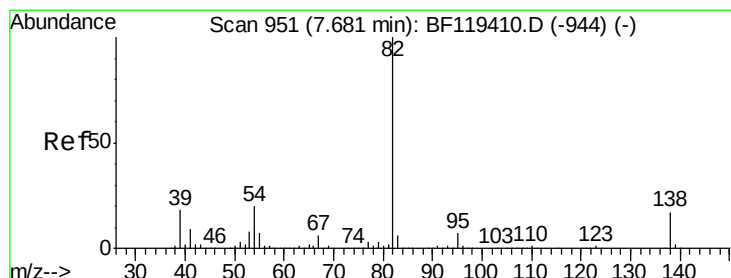
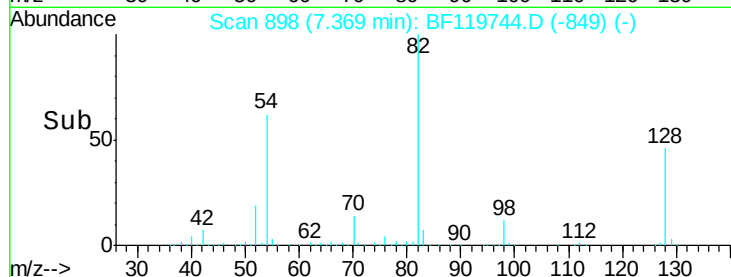
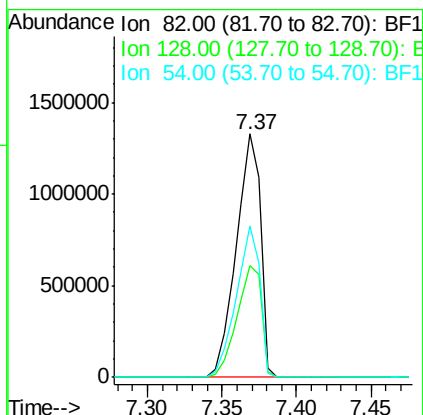
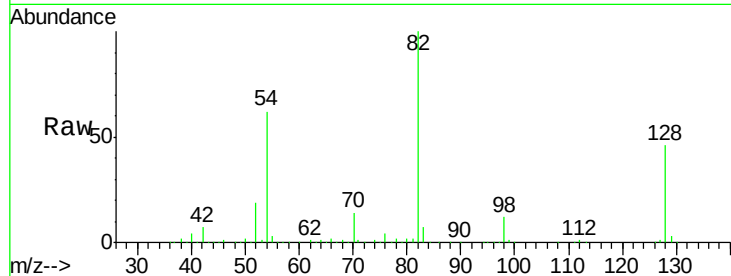




#23
Nitrobenzene-d5
Concen: 121.27 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

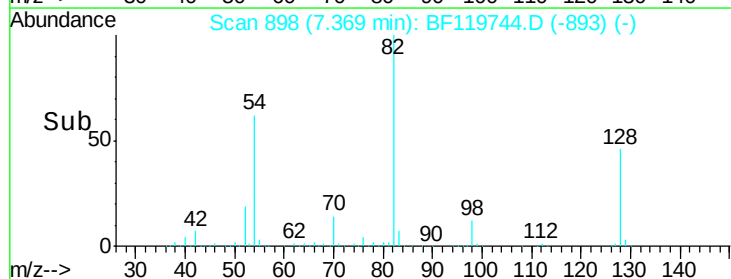
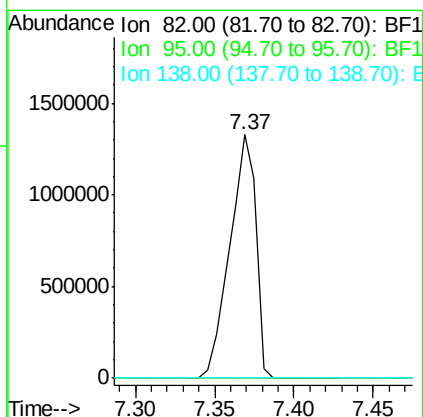
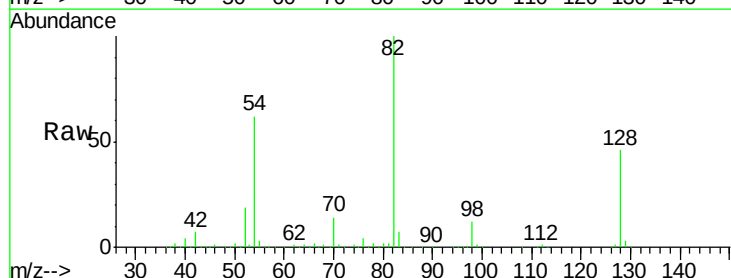
Instrument :
BNA_F
ClientSampleId :
TP-2

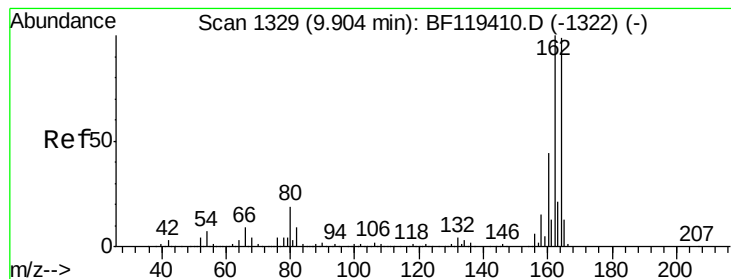
Tgt Ion: 82 Resp: 1511431
Ion Ratio Lower Upper
82 100
128 46.1 36.3 54.5
54 62.0 50.6 75.8



#25
Isophorone
Concen: 59.78 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion: 82 Resp: 1511415
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: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

Instrument :

BNA_F

ClientSampleId :

TP-2

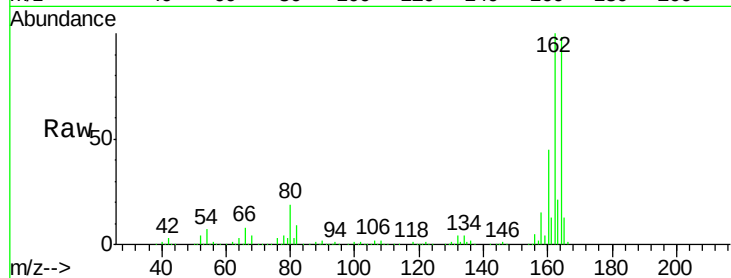
Tgt Ion:164 Resp: 326035

Ion Ratio Lower Upper

164 100

162 102.5 80.6 121.0

160 45.7 35.7 53.5



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

9.85

400000

300000

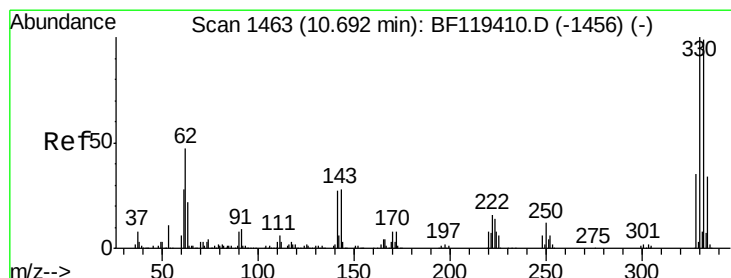
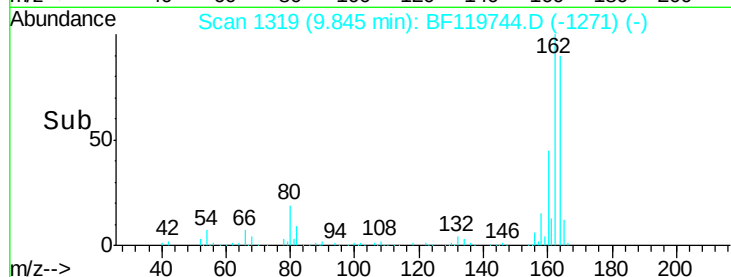
200000

100000

0

Time-->

9.80 9.85 9.90



#42

2,4,6-Tribromophenol

Concen: 172.53 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

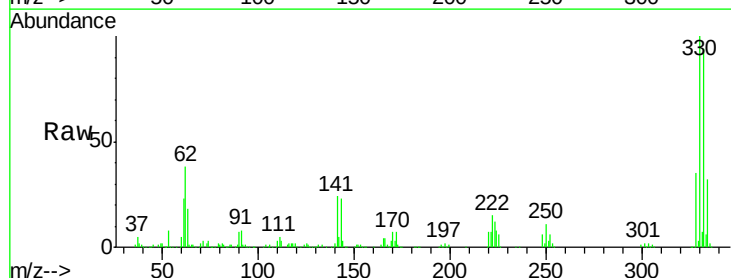
Tgt Ion:330 Resp: 580308

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

141 30.6 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

10.64

800000

600000

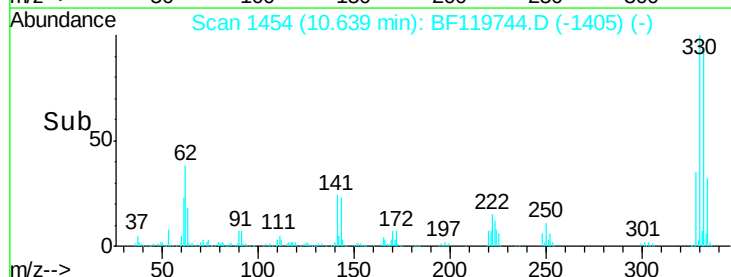
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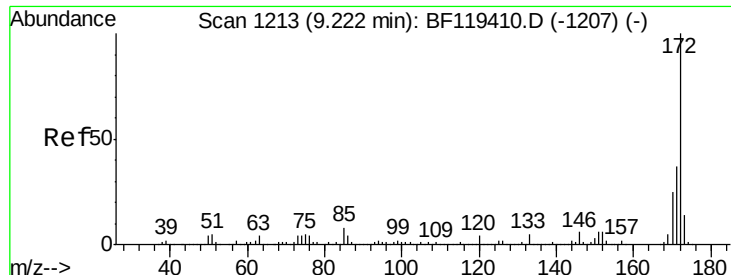
200000

0

Time-->

10.55 10.60 10.65 10.70

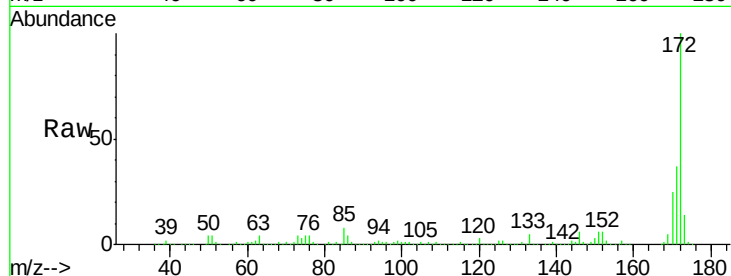




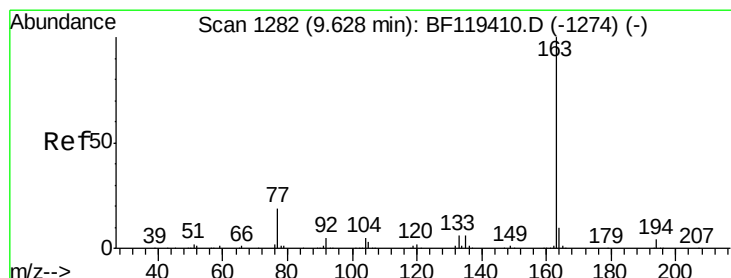
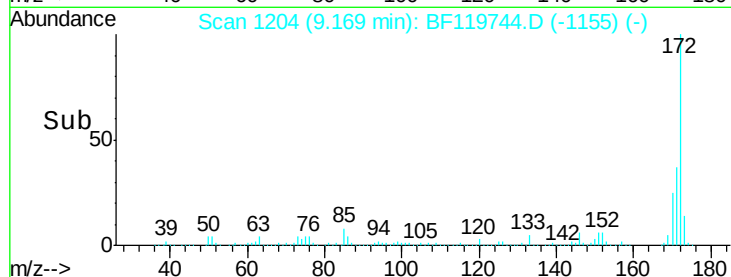
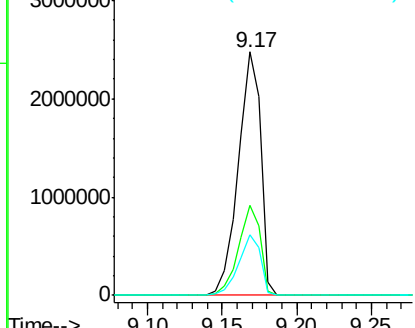
#45
2-Fluorobiphenyl
Concen: 118.10 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:172 Resp: 2599169
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 24.7 20.2 30.2

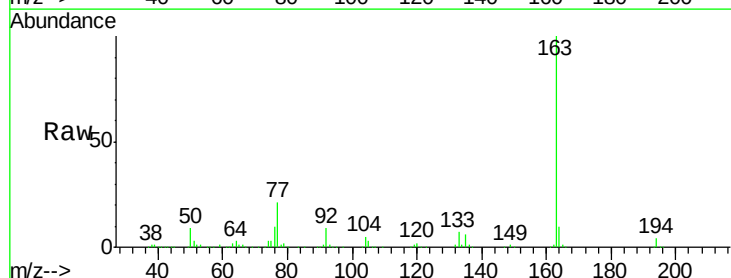


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

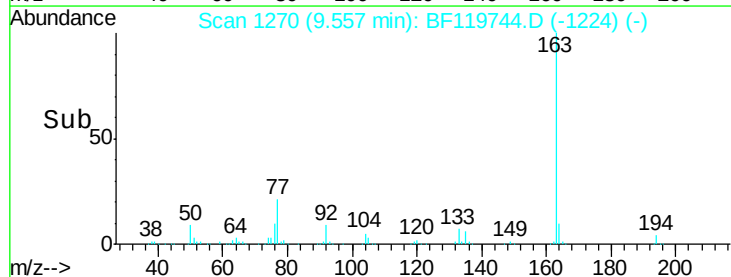
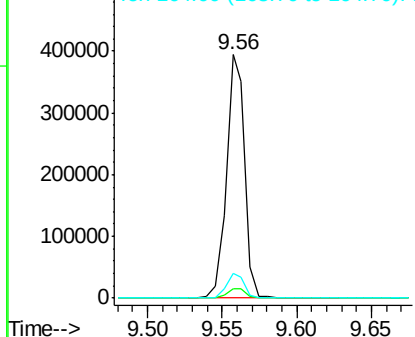


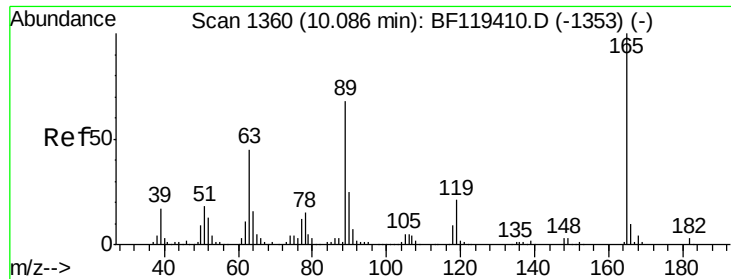
#50
Dimethylphthalate
Concen: 14.68 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion:163 Resp: 339968
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 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





#57

2,4-Dinitrotoluene

Concen: 6.66 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

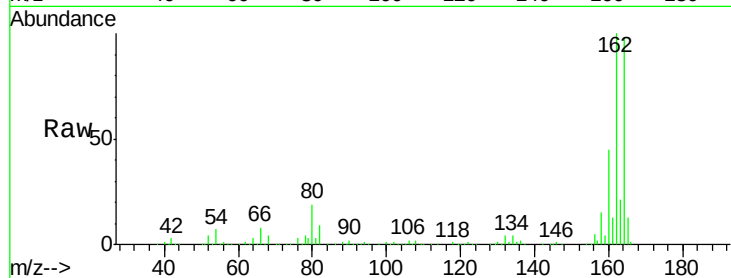
Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:	165	Resp:	41633
Ion Ratio	Lower	Upper	
165	100		
63	1.1	42.6	64.0#
89	1.1	61.0	91.4#
182	0.0	2.2	3.2#

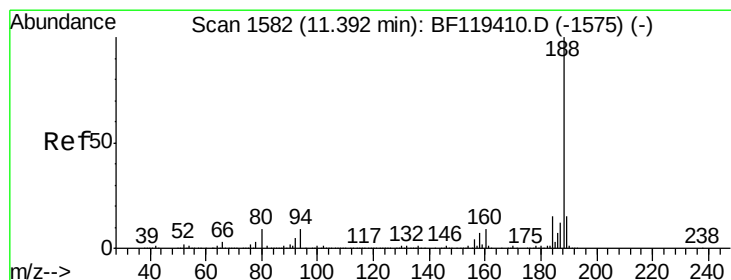
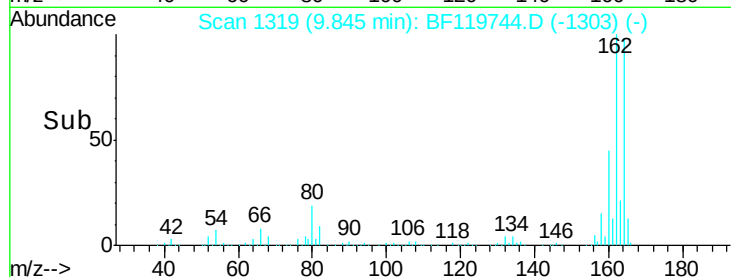
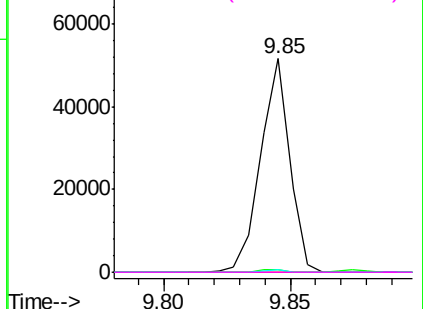


Abundance Ion 165.00 (164.70 to 165.70): E

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

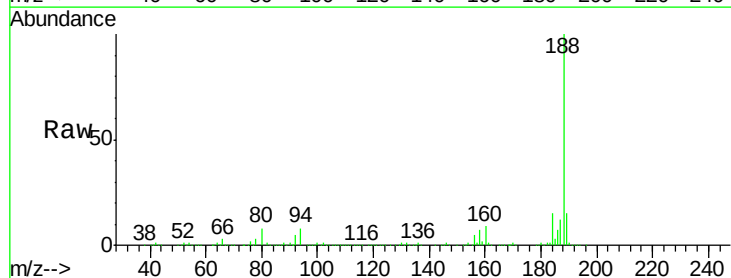
RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

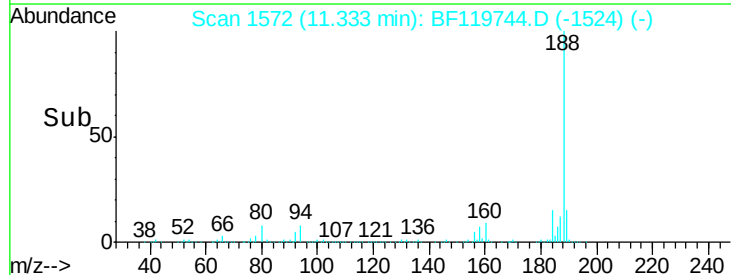
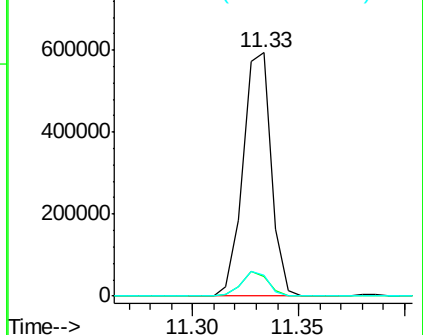
Tgt Ion:	188	Resp:	549667
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.5	11.3
80	8.4	9.0	13.4#

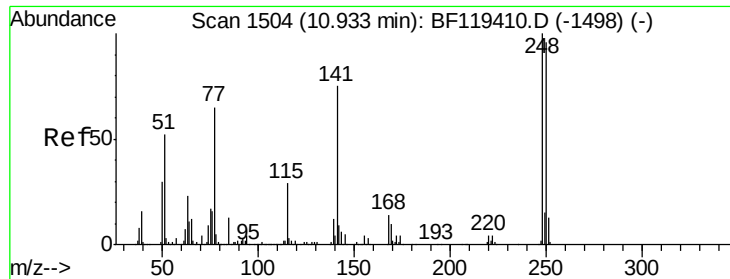


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

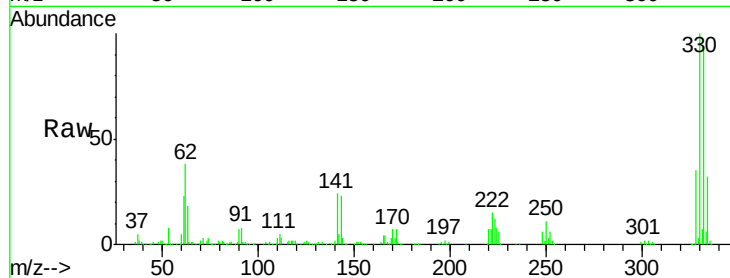




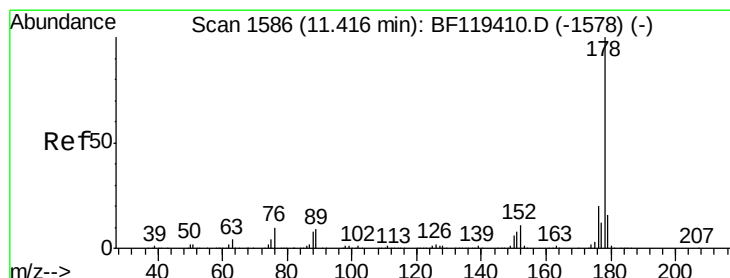
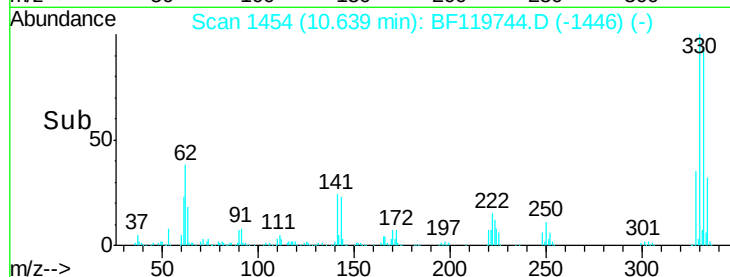
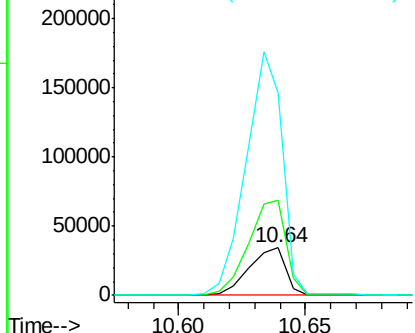
#67
 4-Bromophenyl-phenylether
 Concen: 5.56 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF119744.D
 Acq: 4 Apr 2020 4:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion: 248 Resp: 34824
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.3 115.9#
 141 429.5 58.6 87.8#

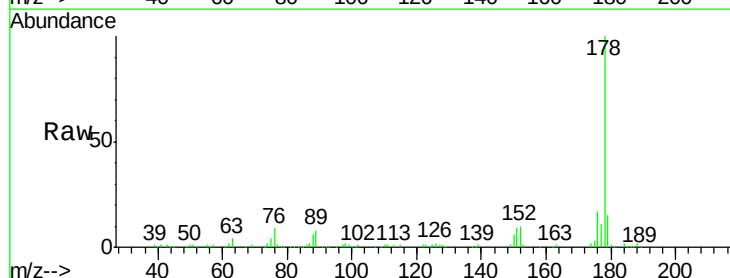


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

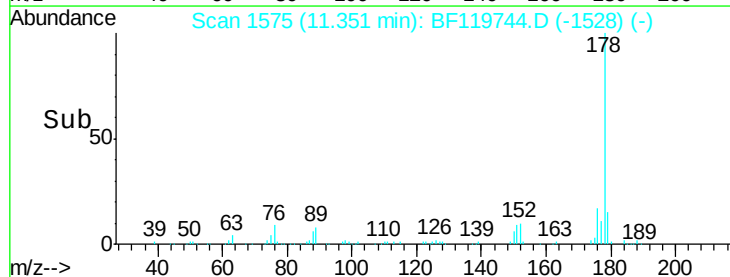
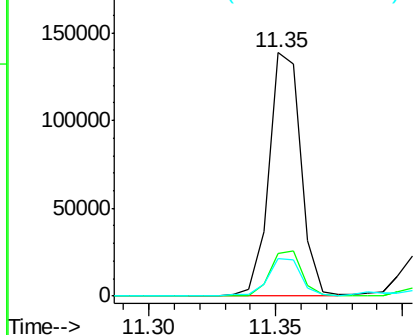


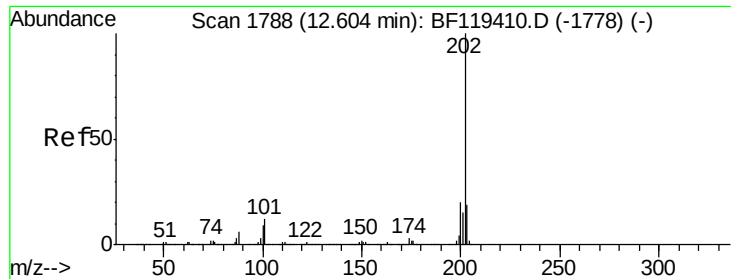
#71
 Phenanthrene
 Concen: 4.29 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF119744.D
 Acq: 4 Apr 2020 4:53

Tgt Ion: 178 Resp: 122319
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.2 24.4
 179 15.5 13.2 19.8



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





#75

Fluoranthene

Concen: 5.80 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

Instrument :

BNA_F

ClientSampleId :

TP-2

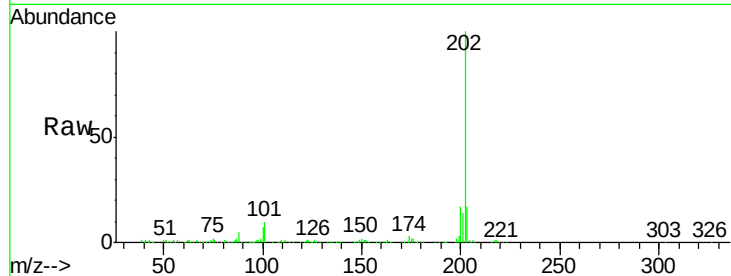
Tgt Ion:202 Resp: 178890

Ion Ratio Lower Upper

202 100

101 9.8 0.0 32.2

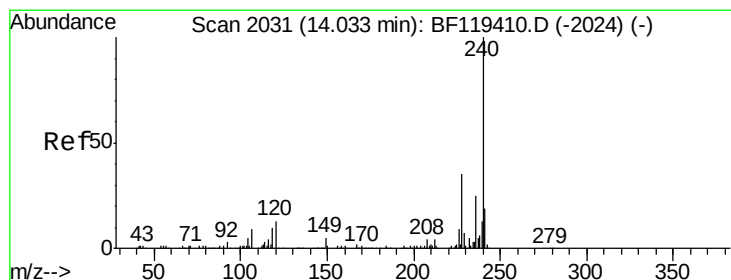
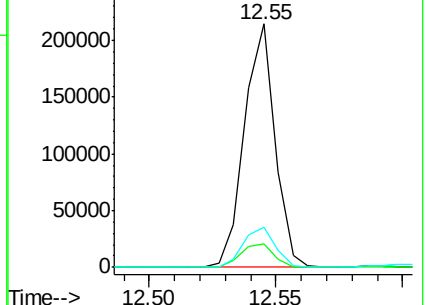
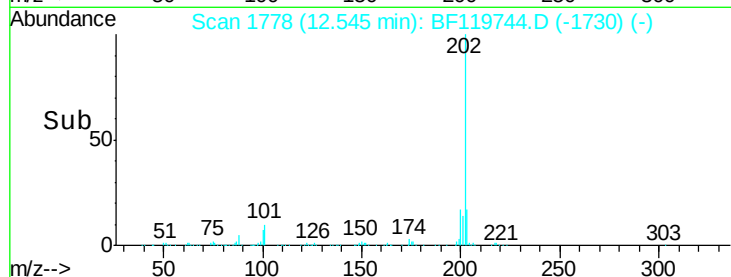
203 16.6 0.0 38.8



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: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

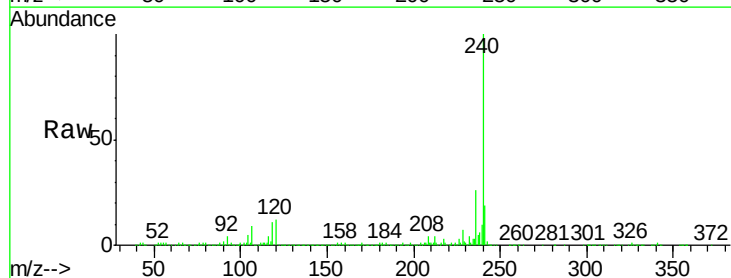
Tgt Ion:240 Resp: 351421

Ion Ratio Lower Upper

240 100

120 12.3 10.6 15.8

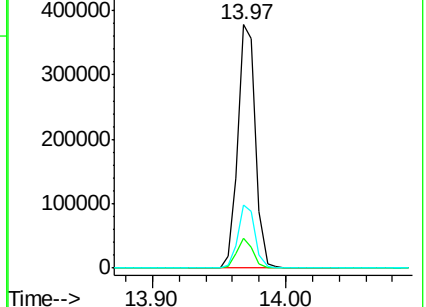
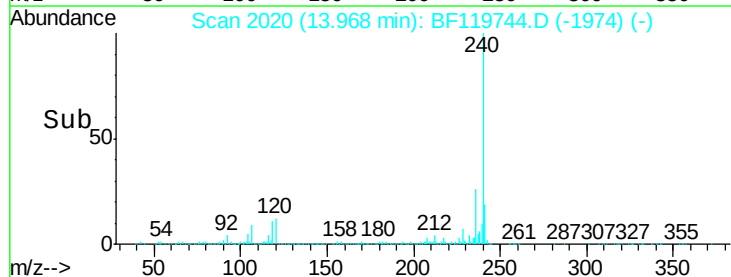
236 26.0 20.2 30.2

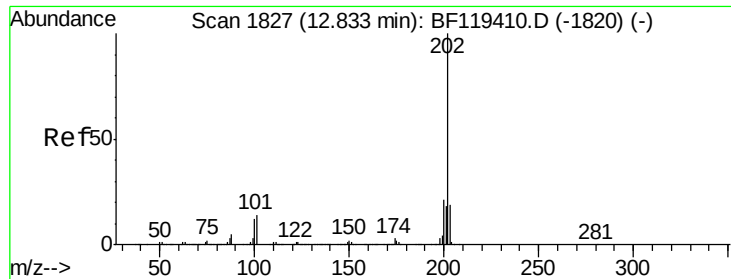


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

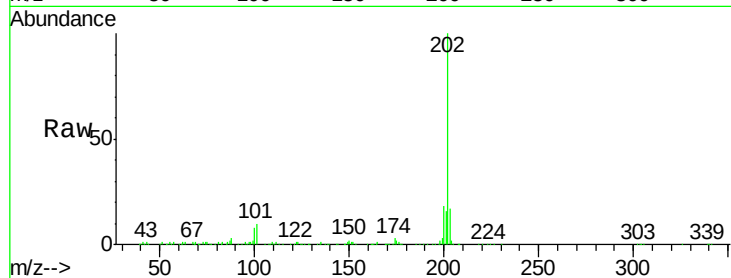




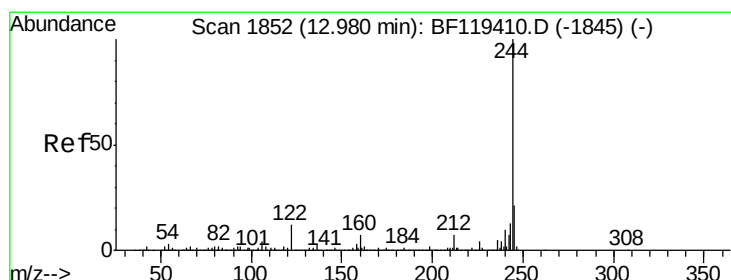
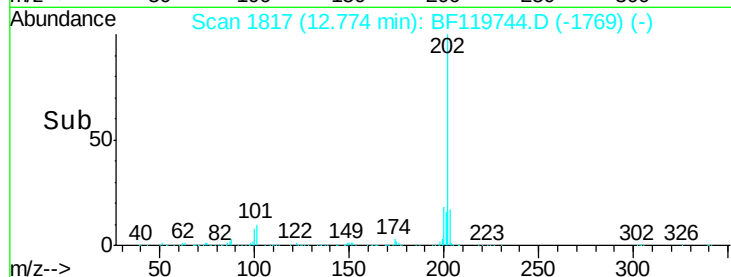
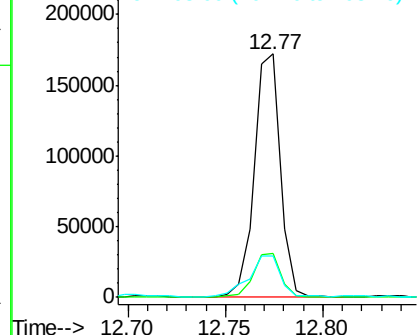
#78
Pyrene
Concen: 5.57 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.2	16.8	25.2
203	17.1	15.1	22.7

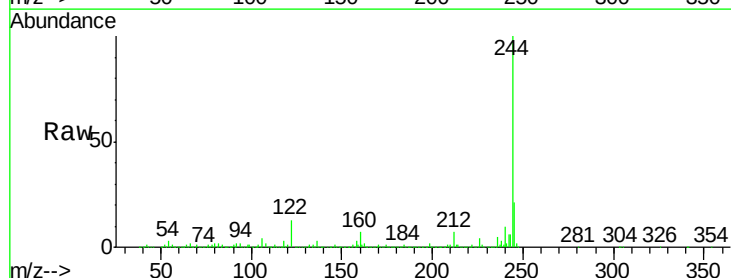


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

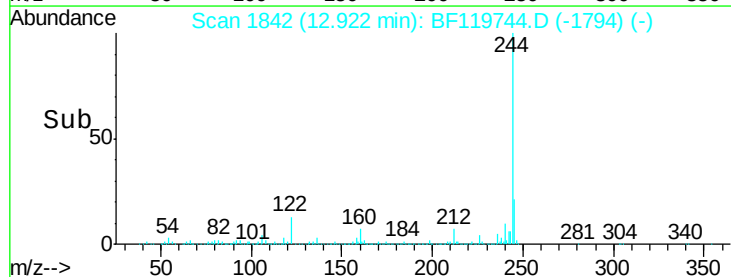
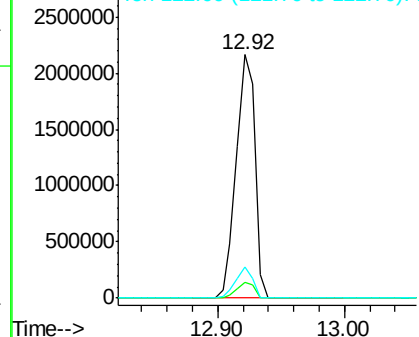


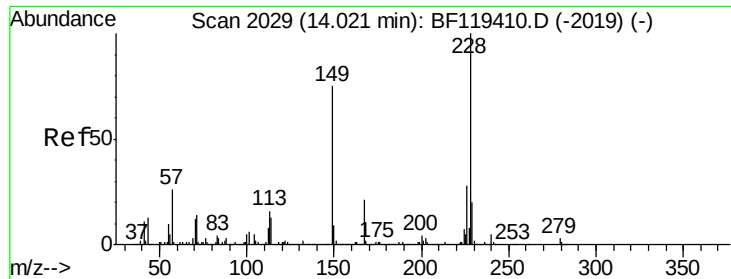
#79
Terphenyl-d14
Concen: 122.24 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	12.8	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.06 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

Instrument :

BNA_F

ClientSampleId :

TP-2

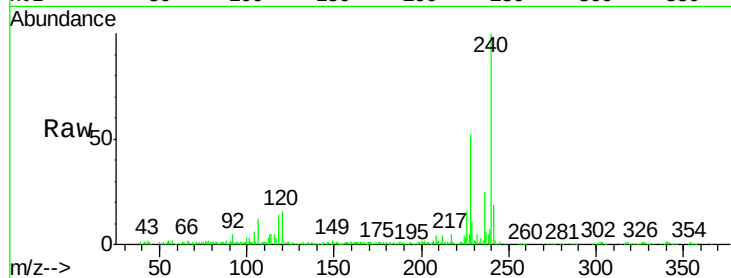
Tgt Ion:228 Resp: 69815

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.8

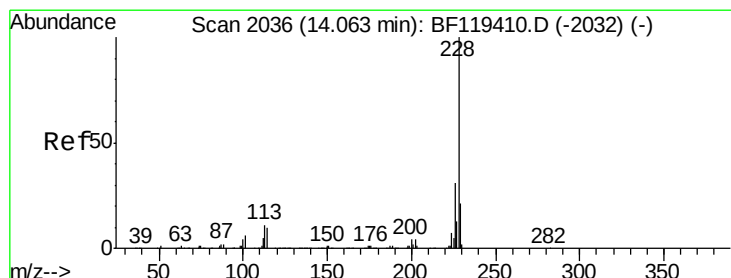
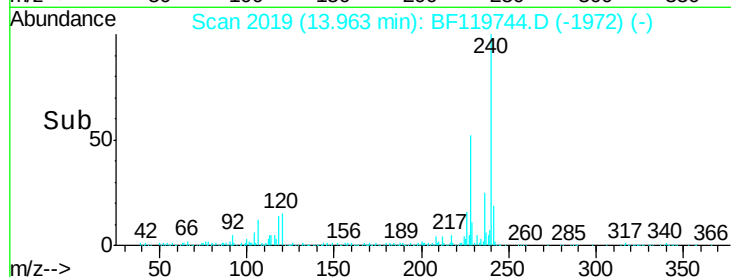
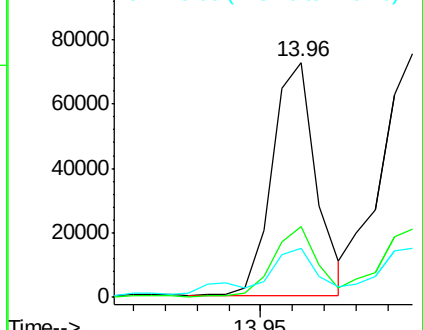
229 20.7 16.2 24.4



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: 3.22 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119744.D

Acq: 4 Apr 2020 4:53

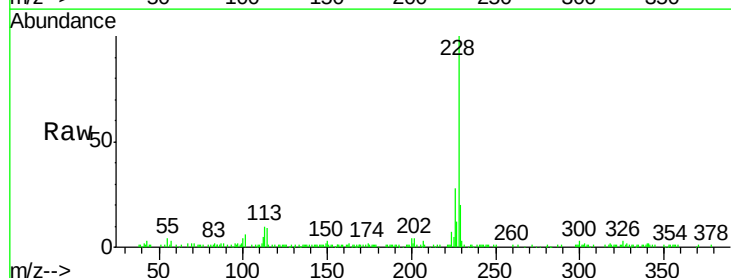
Tgt Ion:228 Resp: 75969

Ion Ratio Lower Upper

228 100

226 28.1 25.4 38.0

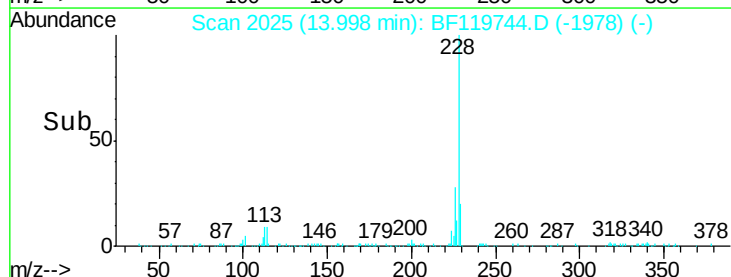
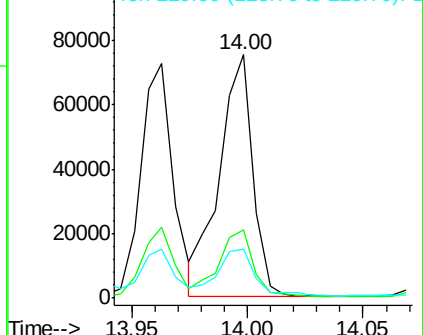
229 20.4 16.6 24.8

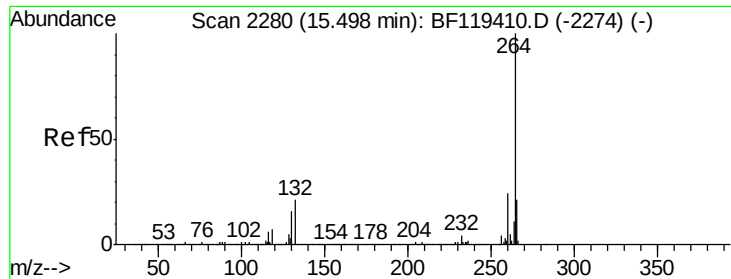


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

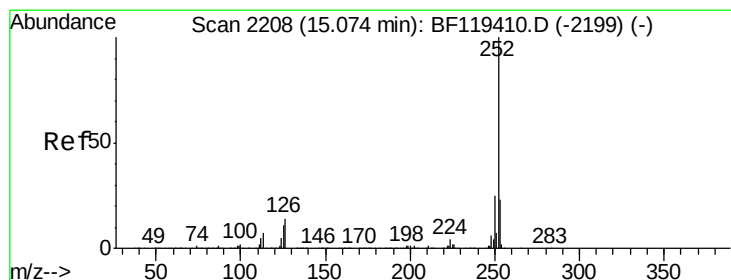
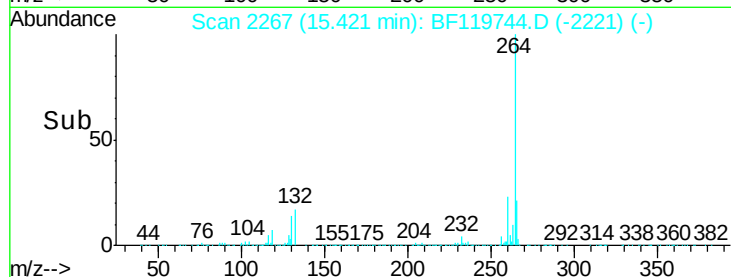
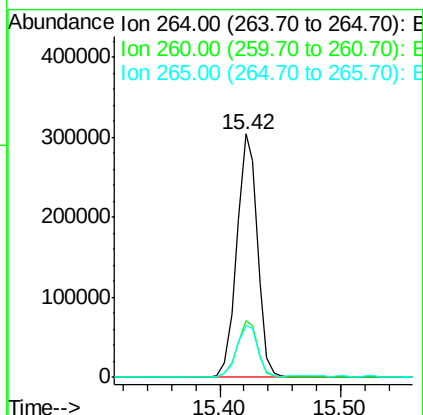
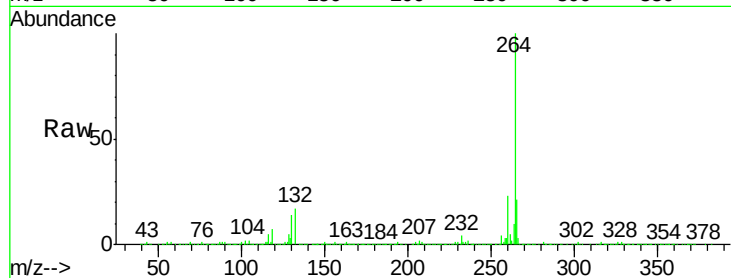




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.03 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

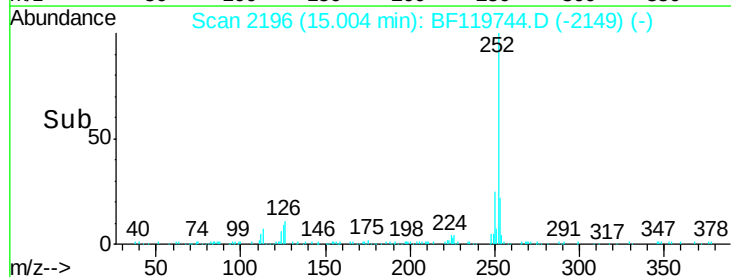
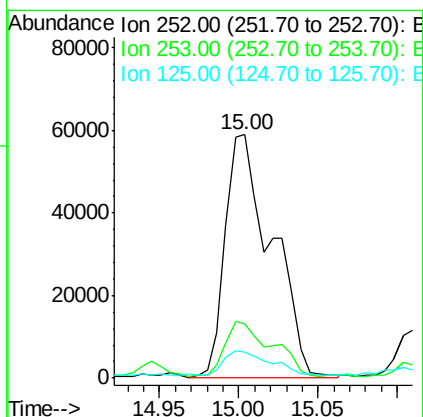
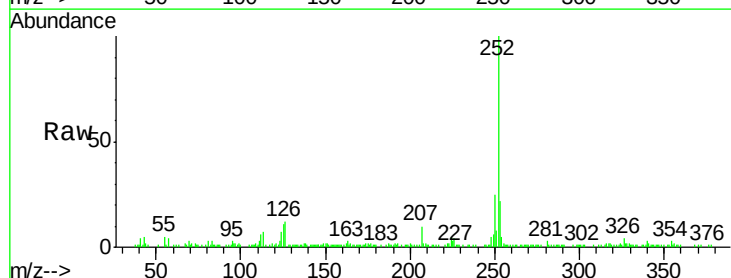
Instrument :
BNA_F
ClientSampleId :
TP-2

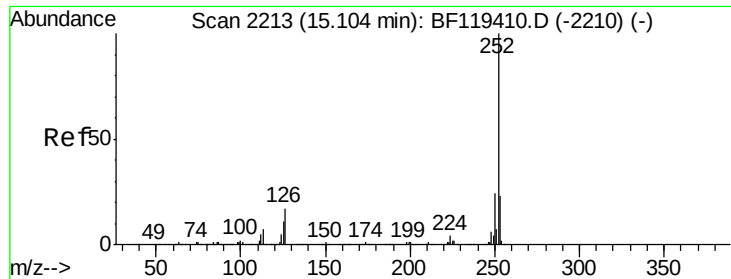
Tgt Ion:264 Resp: 362160
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 5.00 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion:252 Resp: 120925
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 10.9 7.9 11.9

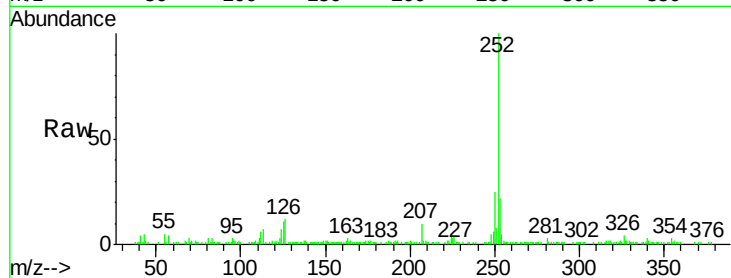




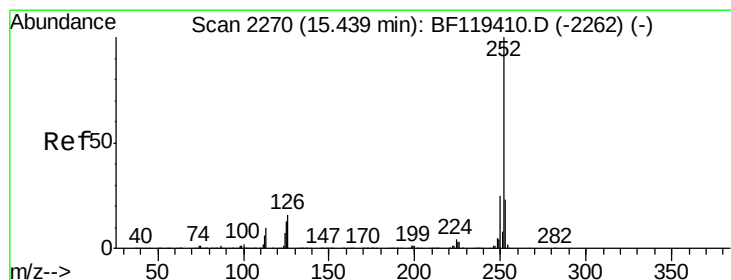
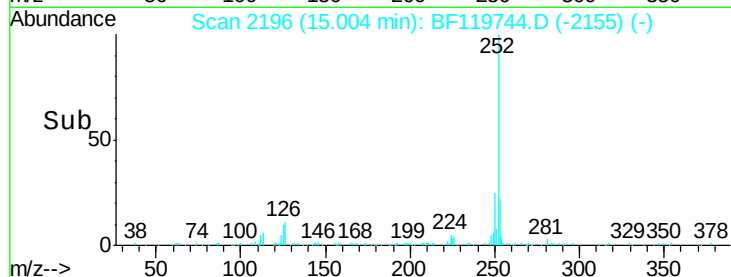
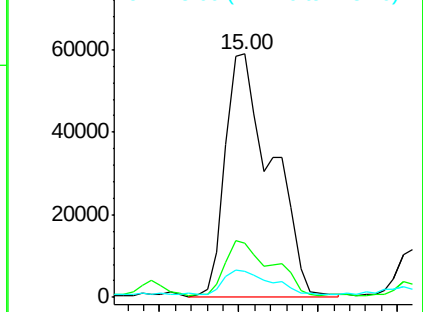
#89
Benzo(k)fluoranthene
Concen: 5.25 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.06 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:252 Resp: 120925
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 10.9 8.4 12.6

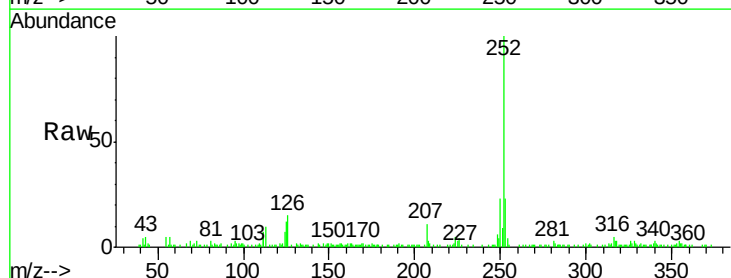


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.78 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.04 min
Lab File: BF119744.D
Acq: 4 Apr 2020 4:53

Tgt Ion:252 Resp: 61051
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.9 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

