

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
 Data File : BF119816.D
 Acq On : 7 Apr 2020 12:35
 Operator : MA/SJ
 Sample : L2103-05
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-60-61-COMP

Quant Time: Apr 07 13:11:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

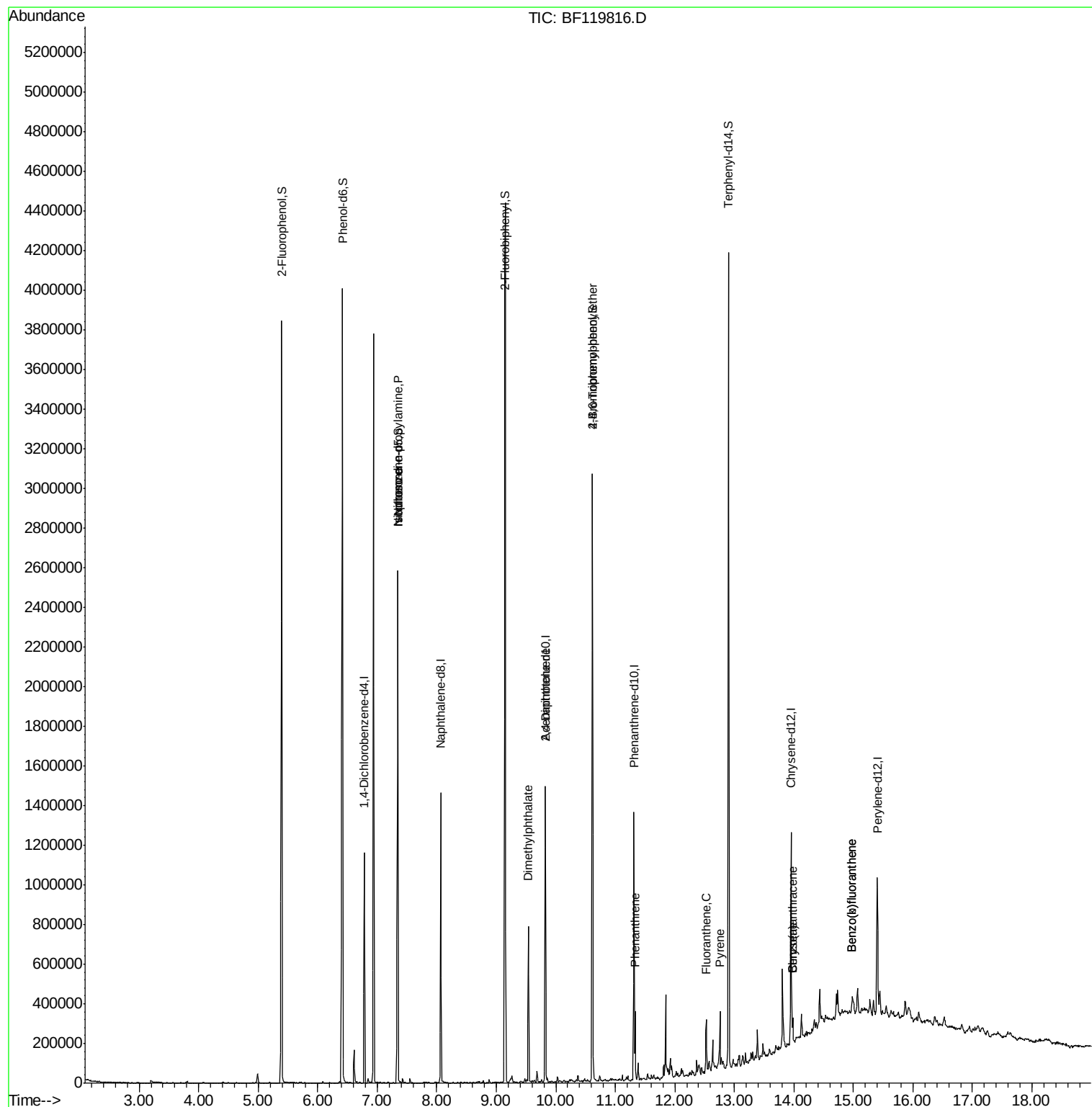
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	161252	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	583187	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	289903	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	524182	20.00	ng	0.00
76) Chrysene-d12	13.96	240	373204	20.00	ng	0.00
87) Perylene-d12	15.40	264	340349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1114609	110.04	ng	0.01
7) Phenol-d6	6.42	99	1397777	108.02	ng	0.00
23) Nitrobenzene-d5	7.35	82	843571	78.61	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	351076	117.38	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1449010	74.05	ng	0.00
79) Terphenyl-d14	12.90	244	1452396	76.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	110939	14.224	ng	# 75
25) Isophorone	7.35	82	843558	38.753	ng	# 65
50) Dimethylphthalate	9.54	163	284961	13.838	ng	99
57) 2,4-Dinitrotoluene	9.83	165	37868	6.811	ng	# 20
67) 4-Bromophenyl-phenylether	10.62	248	21158	3.544	ng	# 1
71) Phenanthrene	11.33	178	114681	4.219	ng	96
75) Fluoranthene	12.53	202	101624	3.455	ng	94
78) Pyrene	12.76	202	124087	4.051	ng	94
81) Benzo(a)anthracene	13.98	228	53637	2.210	ng	98
83) Chrysene	13.98	228	53637	2.142	ng	93
88) Benzo(b)fluoranthene	14.98	252	63433	2.790	ng	# 88
89) Benzo(k)fluoranthene	14.98	252	63433	2.930	ng	# 89

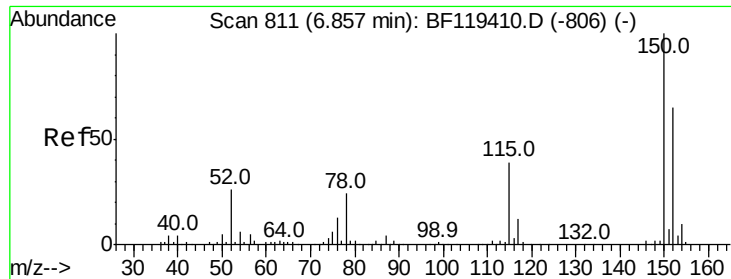
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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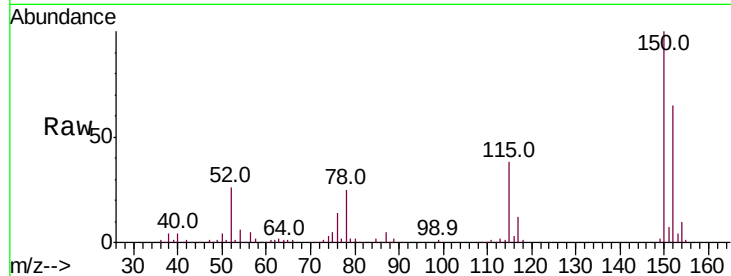


#1

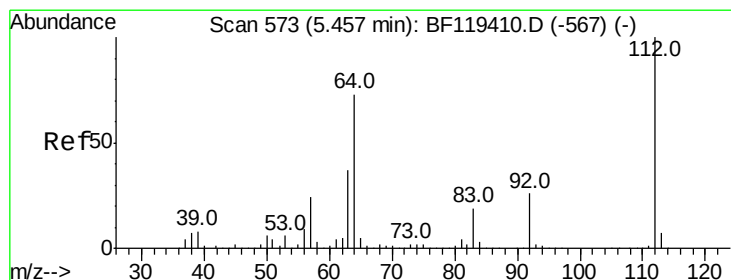
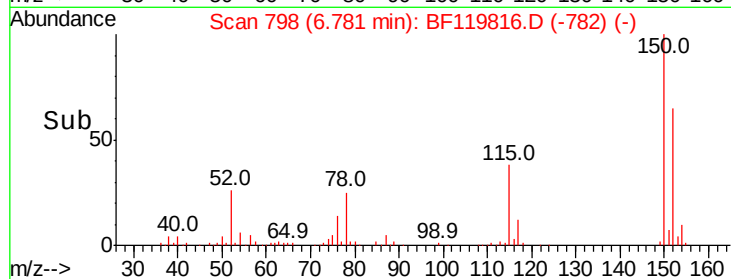
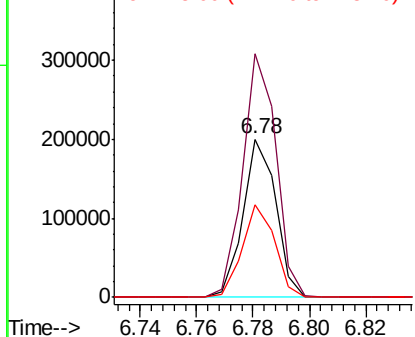
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF119816.D
Acq: 7 Apr 2020 12:35

Instrument :
BNA_F
ClientSampleId :
TP-60-61-COMP

Tot Ion:152 Resp: 161252
Ion Ratio Lower Upper
152 100
150 154.2 124.5 186.7
115 58.7 49.6 74.4



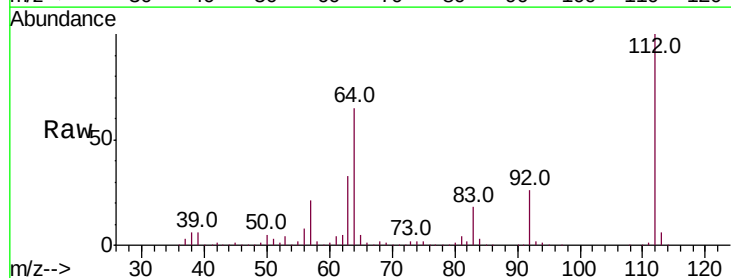
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



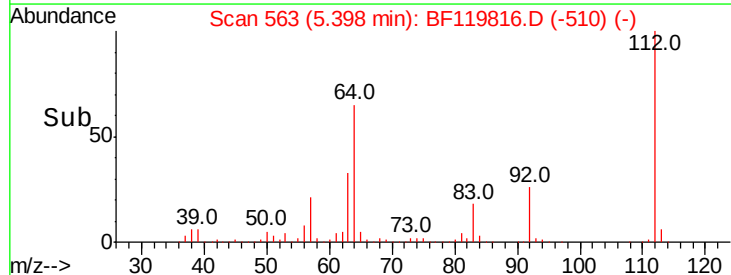
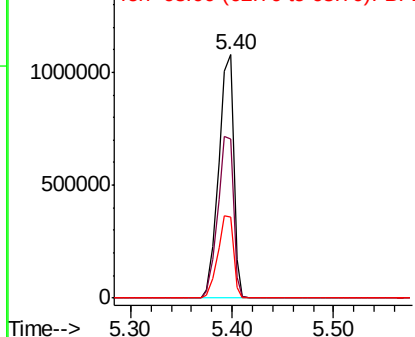
#5

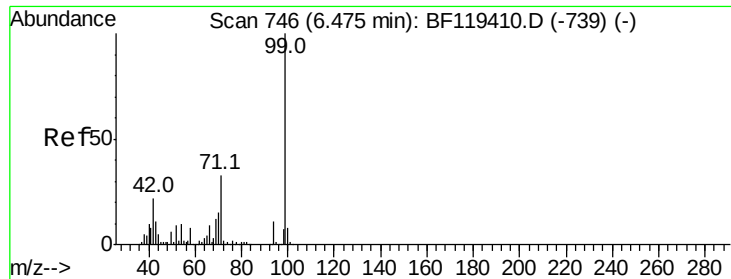
2-Fluorophenol
Concen: 110.036 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF119816.D
Acq: 7 Apr 2020 12:35

Tgt Ion:112 Resp: 1114609
Ion Ratio Lower Upper
112 100
64 65.1 56.7 85.1
63 33.2 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: 108.022 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

BNA_F

ClientSampleId :

TP-60-61-COMP

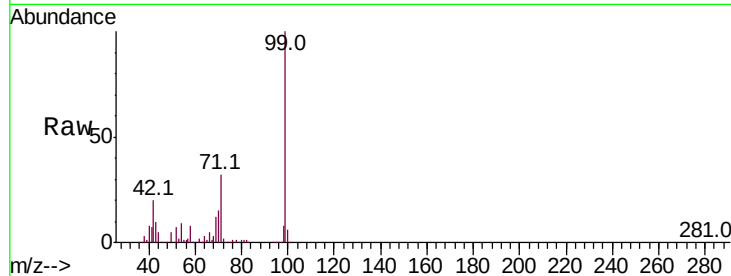
Tot Ion: 99 Resp: 1397777

Ion Ratio Lower Upper

99 100

42 20.2 16.6 24.8

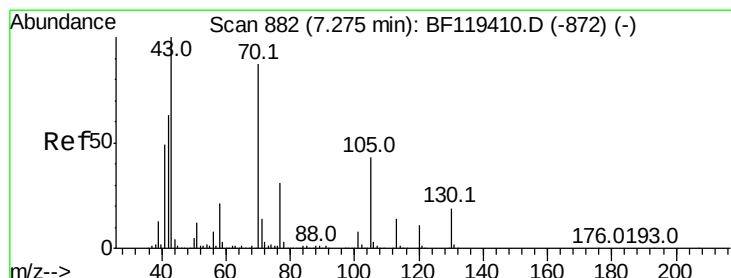
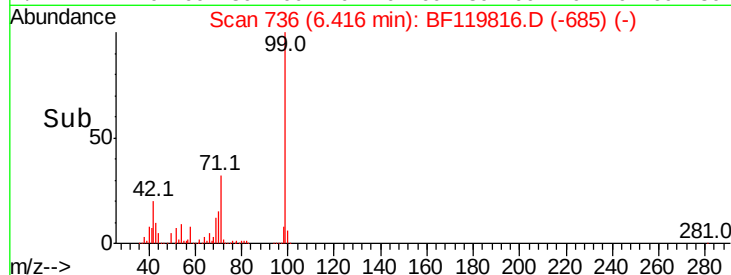
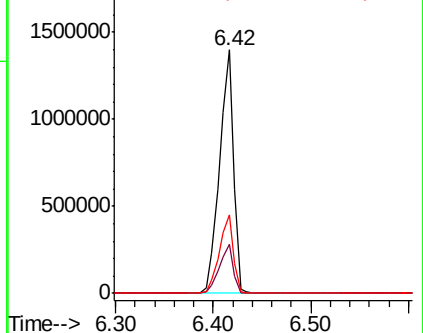
71 32.5 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.224 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Tgt Ion: 70 Resp: 110939

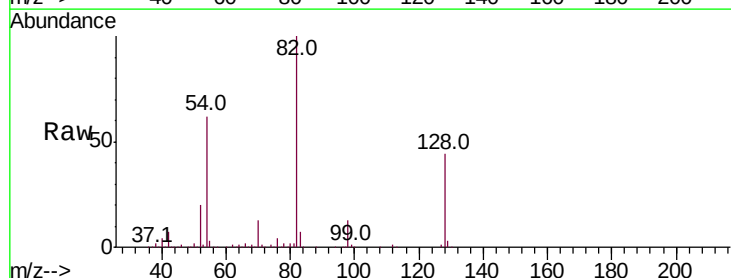
Ion Ratio Lower Upper

70 100

42 52.6 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#

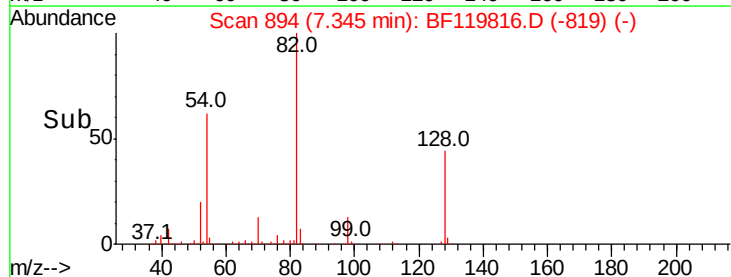
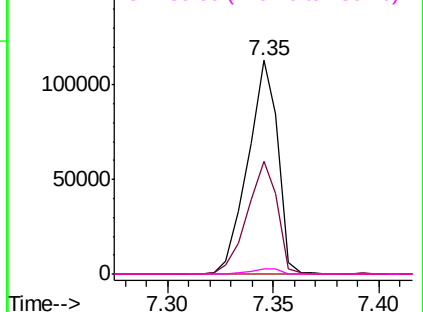


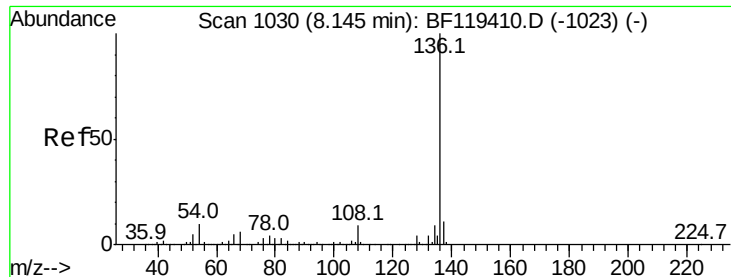
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

BNA_F

ClientSampleId :

TP-60-61-COMP

Tot Ion:136 Resp: 583187

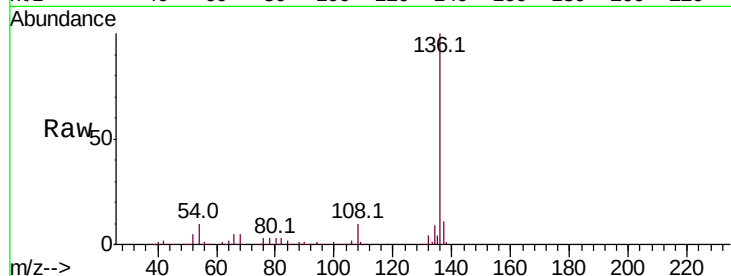
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.9 9.1 13.7

68 5.2 4.6 6.8

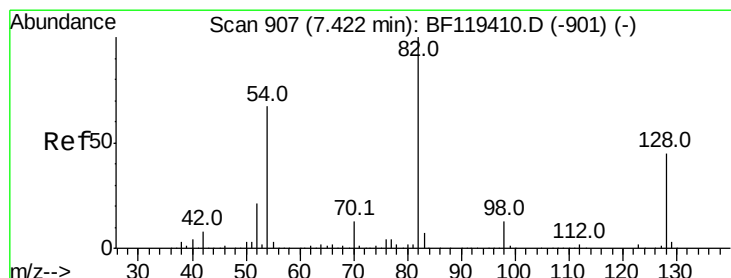
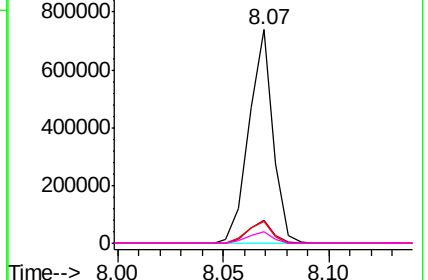
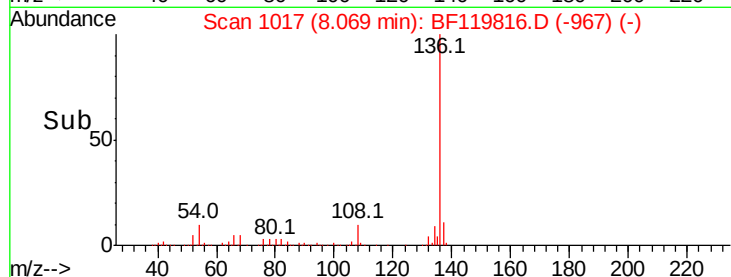


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.613 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

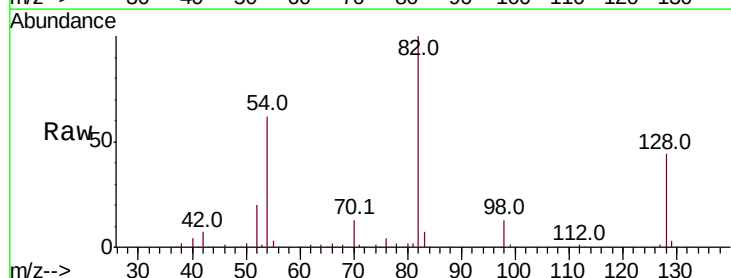
Tgt Ion: 82 Resp: 843571

Ion Ratio Lower Upper

82 100

128 44.3 36.3 54.5

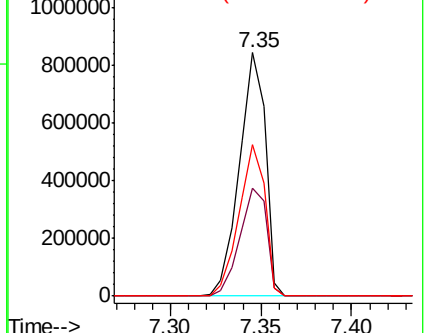
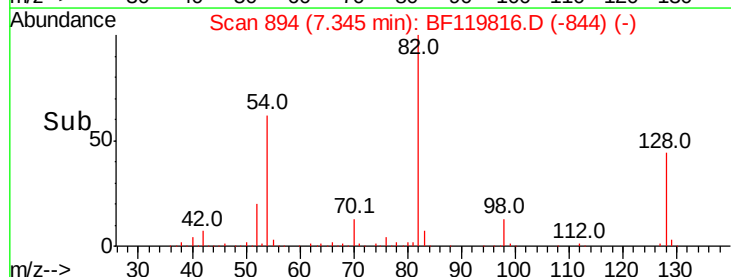
54 62.3 50.6 75.8

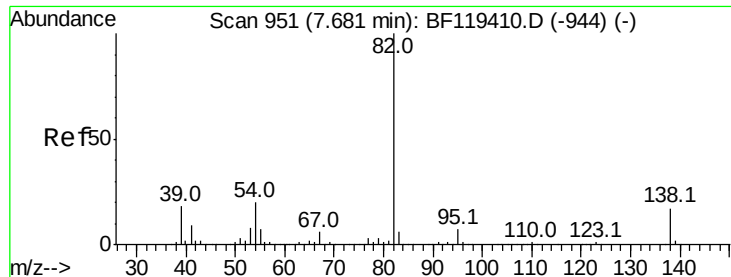


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.753 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

BNA_F

ClientSampleId :

TP-60-61-COMP

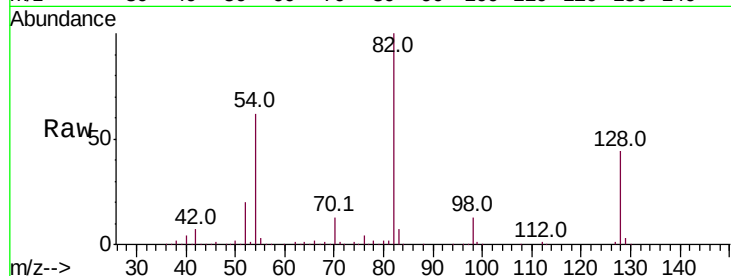
Tot Ion: 82 Resp: 843558

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

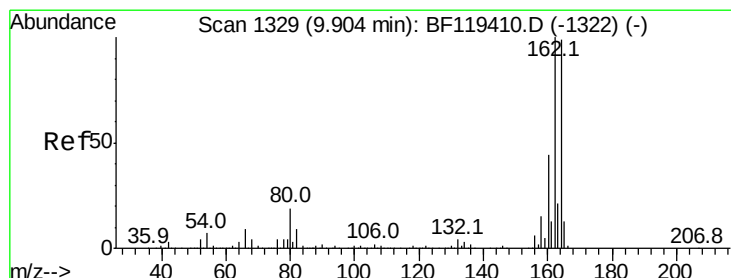
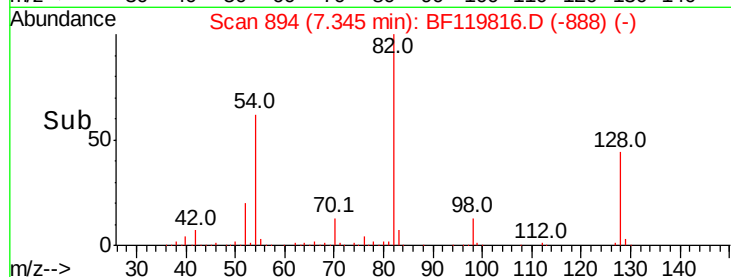
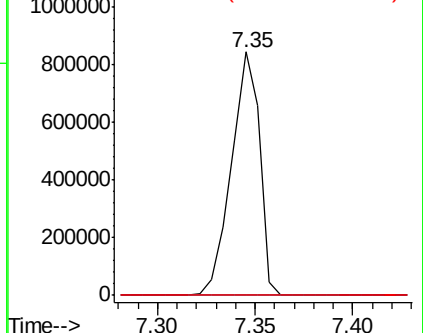
138 0.0 14.6 21.8#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

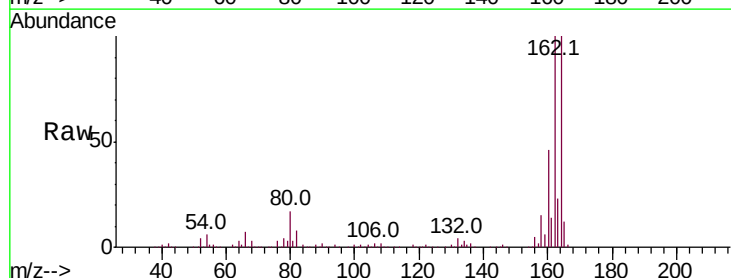
Tgt Ion:164 Resp: 289903

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

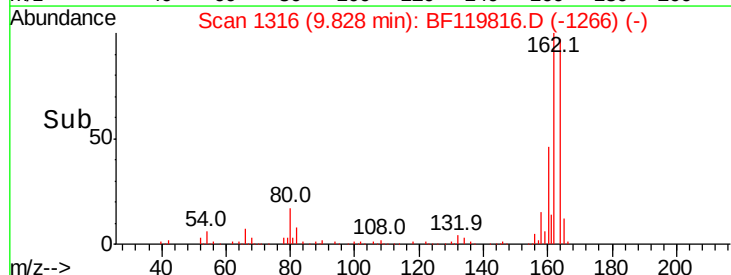
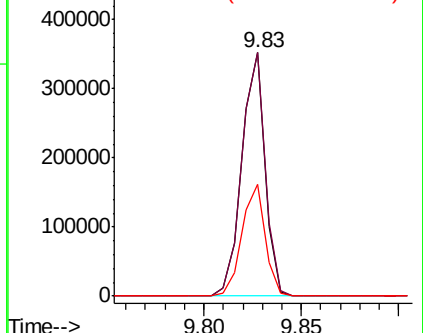
160 45.8 35.7 53.5

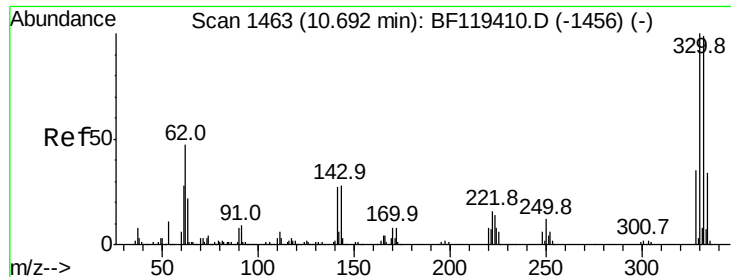


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 117.384 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

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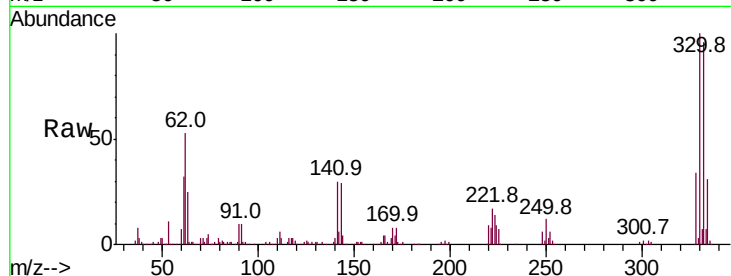
Tot Ion:330 Resp: 351076

Ion Ratio Lower Upper

330 100

332 96.7 75.7 113.5

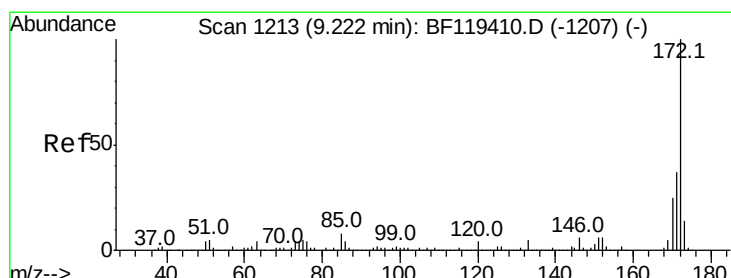
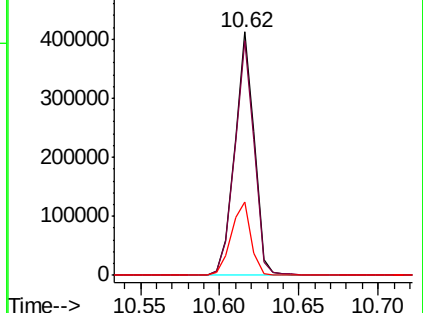
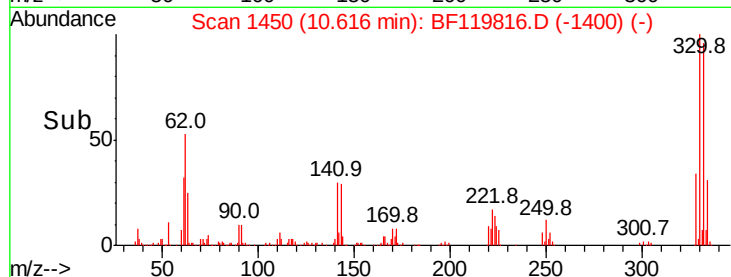
141 31.1 25.4 38.0



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: 74.048 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

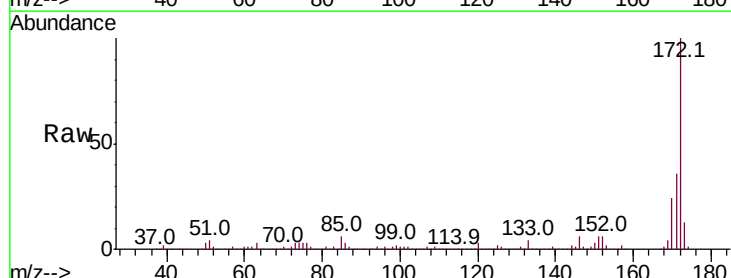
Tgt Ion:172 Resp: 1449010

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

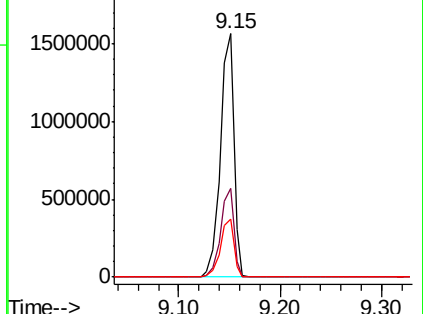
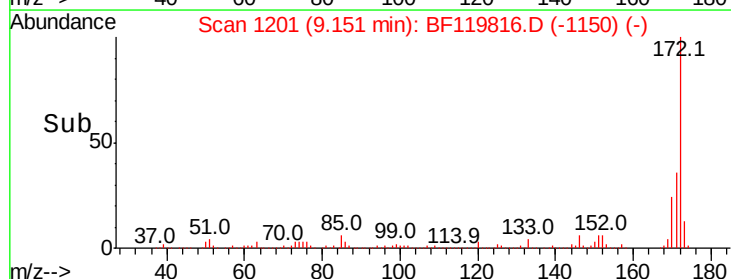
170 24.0 20.2 30.2

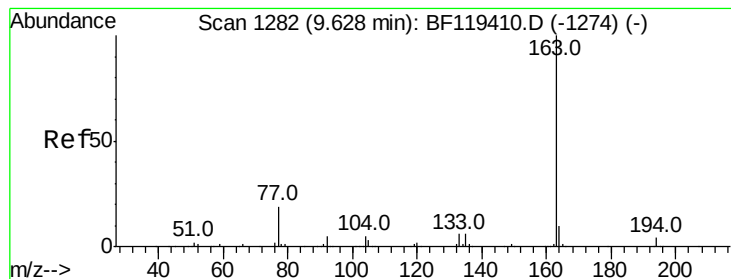


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.838 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

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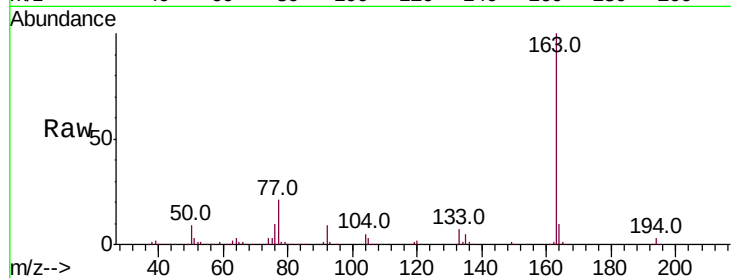
Tot Ion:163 Resp: 284961

Ion Ratio Lower Upper

163 100

194 3.3 3.1 4.7

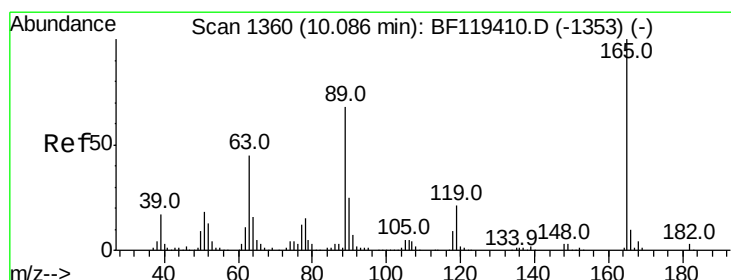
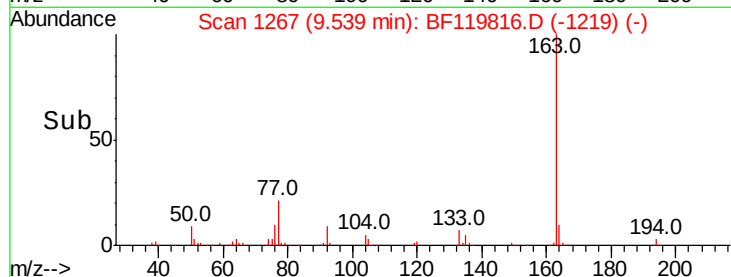
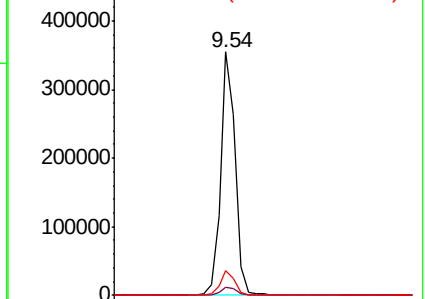
164 10.0 8.2 12.2



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: 6.811 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Tgt Ion:165 Resp: 37868

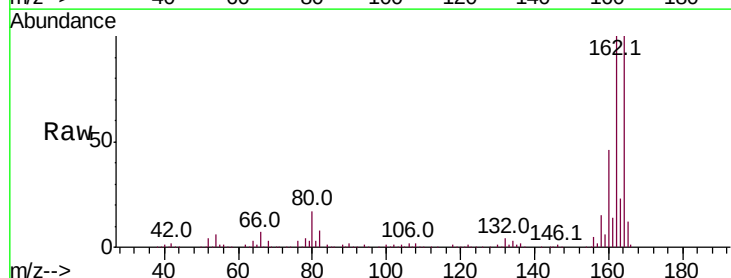
Ion Ratio Lower Upper

165 100

63 1.2 42.6 64.0#

89 1.1 61.0 91.4#

182 0.0 2.2 3.2#

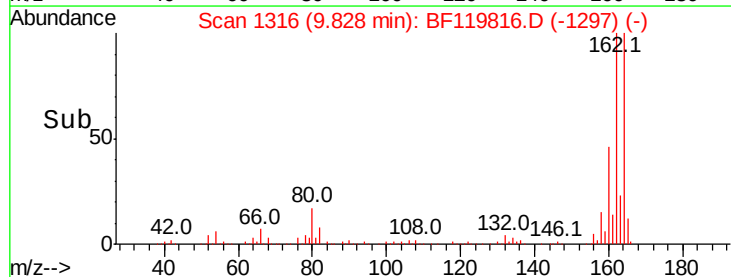
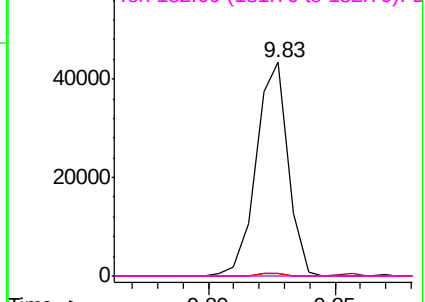


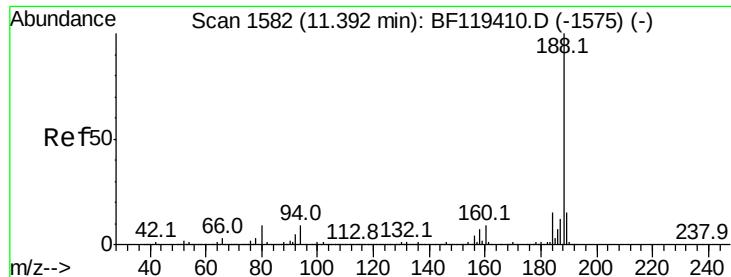
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

BNA_F

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TP-60-61-COMP

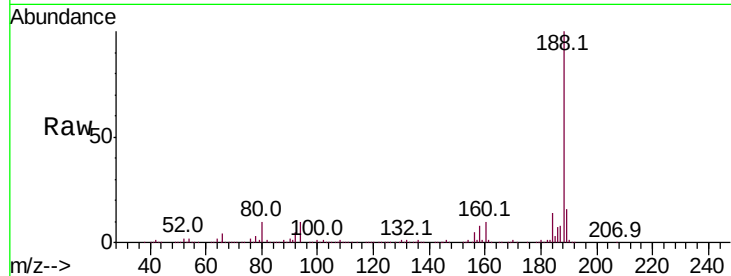
Tot Ion:188 Resp: 524182

Ion Ratio Lower Upper

188 100

94 9.9 7.5 11.3

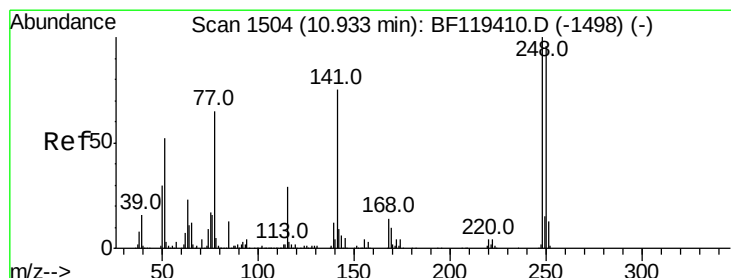
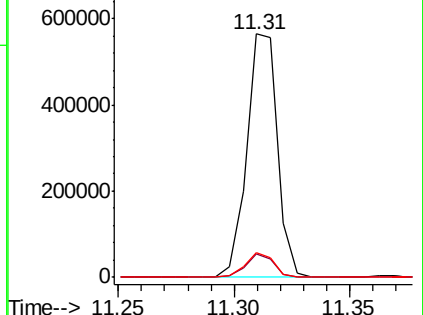
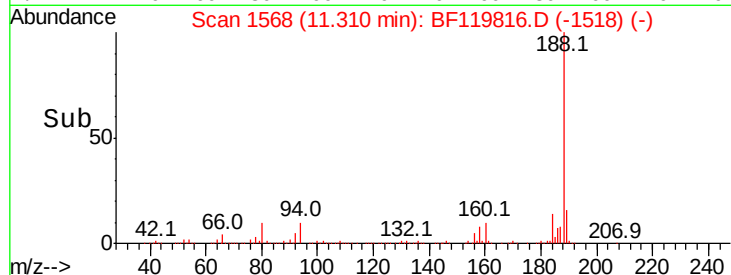
80 10.0 9.0 13.4



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: 3.544 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

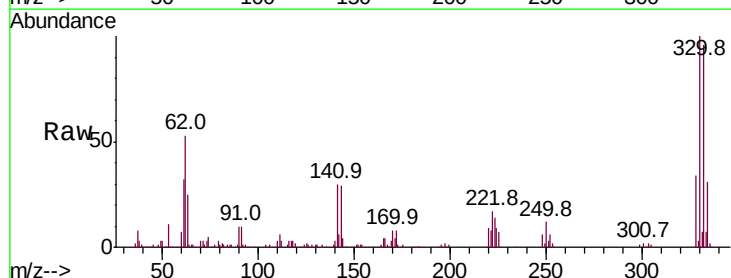
Tgt Ion:248 Resp: 21158

Ion Ratio Lower Upper

248 100

250 192.0 77.3 115.9#

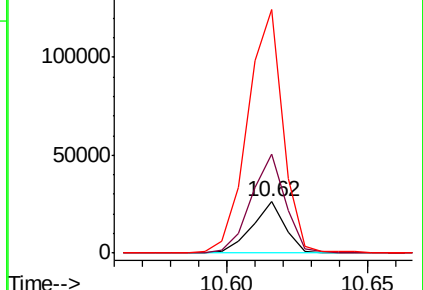
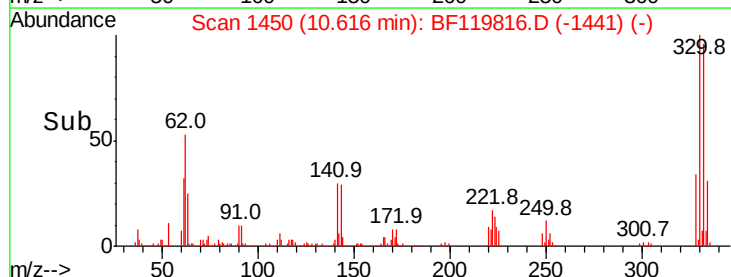
141 474.3 58.6 87.8#

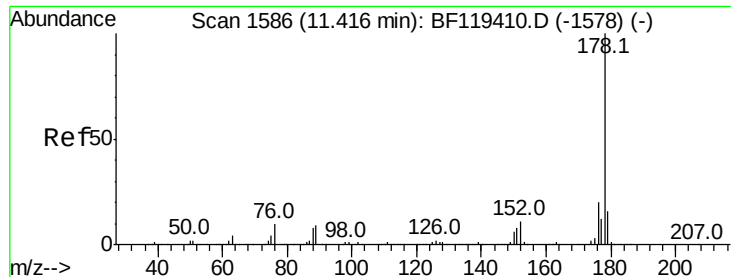


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.219 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

BNA_F

ClientSampleId :

TP-60-61-COMP

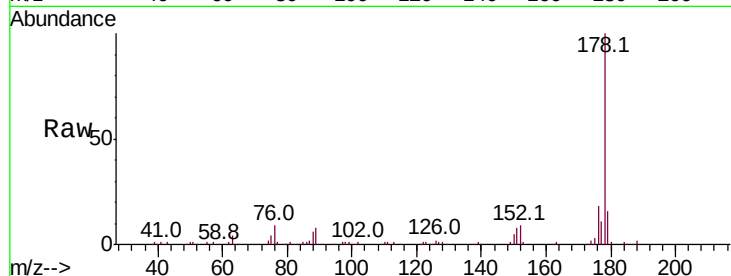
Tot Ion:178 Resp: 114681

Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.4

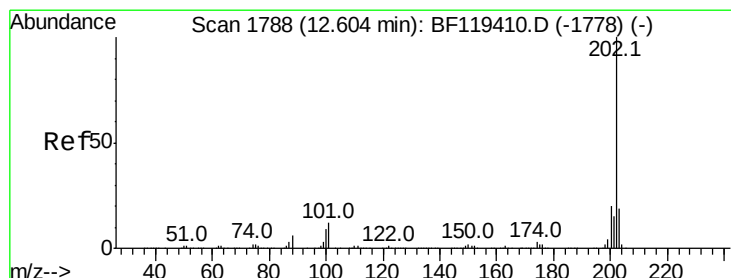
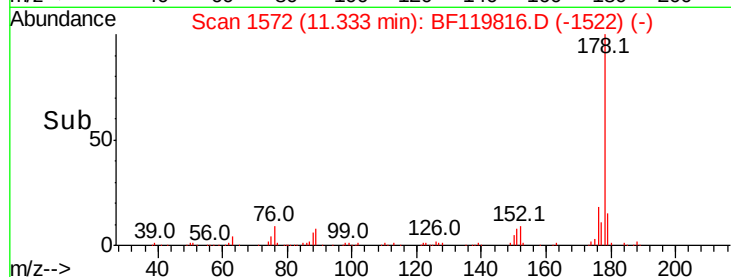
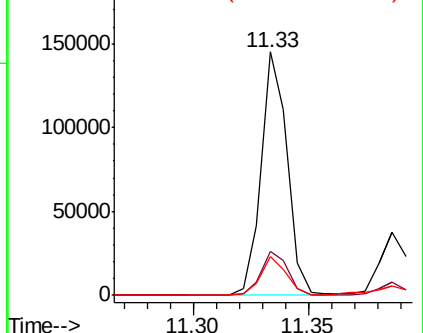
179 15.7 13.2 19.8



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: 3.455 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

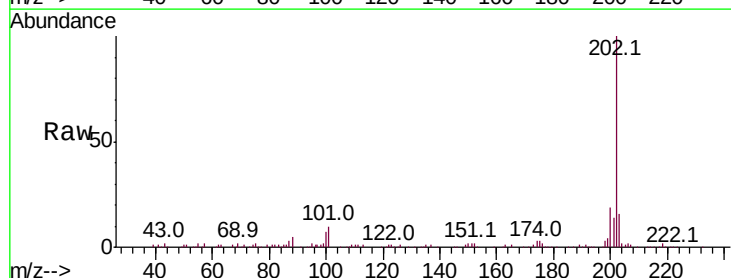
Tgt Ion:202 Resp: 101624

Ion Ratio Lower Upper

202 100

101 9.5 0.0 32.2

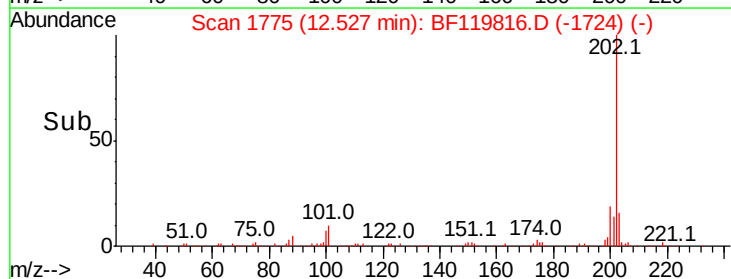
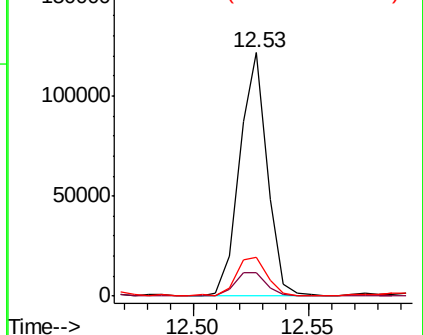
203 16.1 0.0 38.8

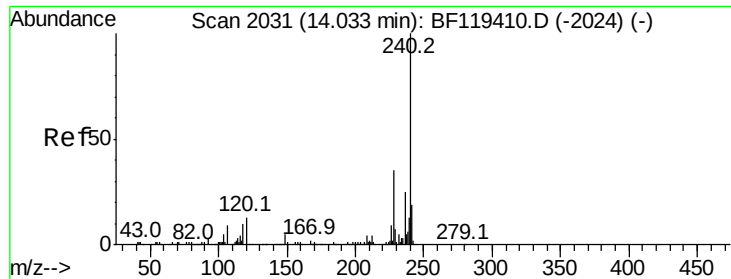


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

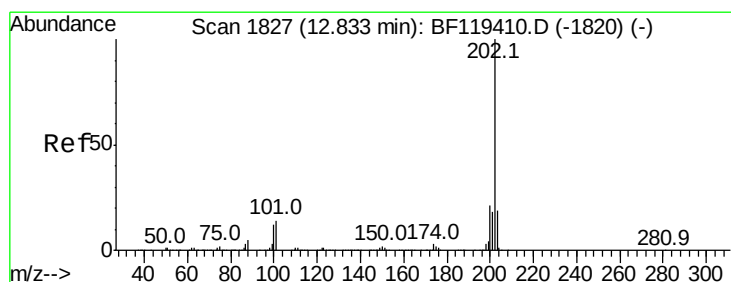
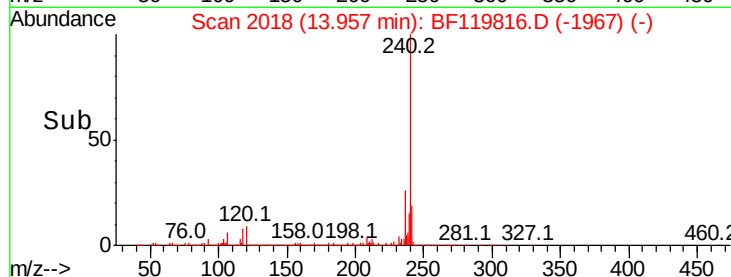
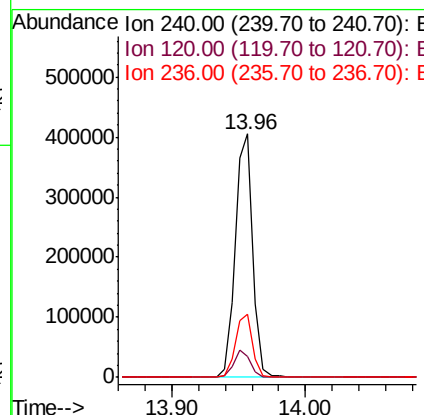
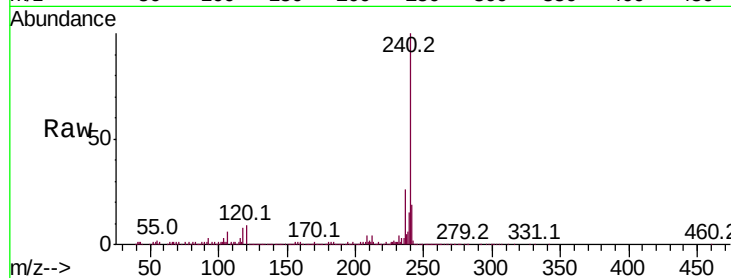




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF119816.D
Acq: 7 Apr 2020 12:35

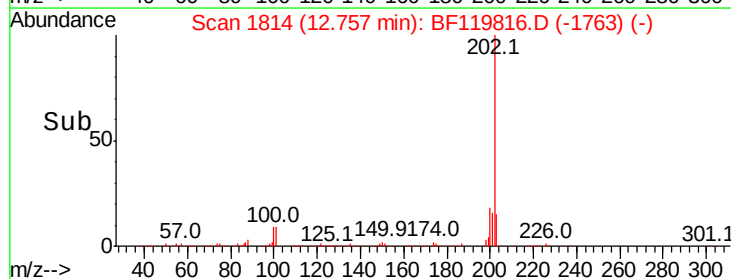
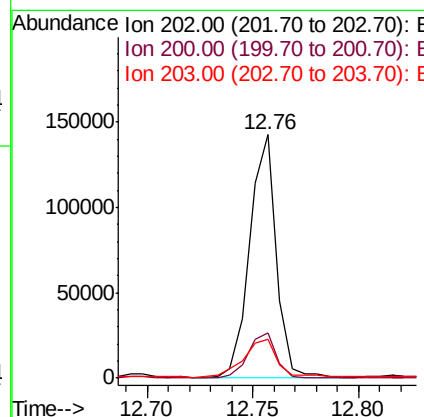
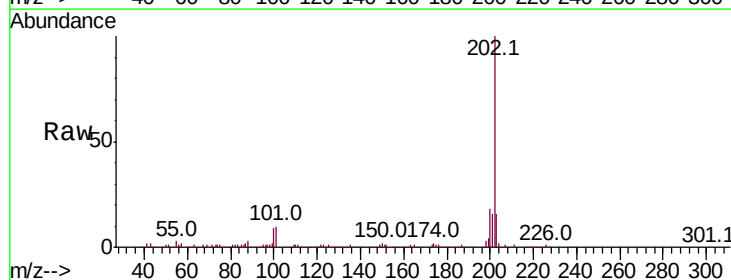
Instrument :
BNA_F
ClientSampleId :
TP-60-61-COMP

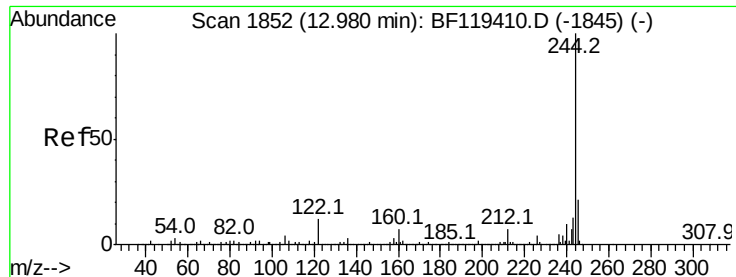
Tot Ion:240 Resp: 373204
Ion Ratio Lower Upper
240 100
120 8.8 10.6 15.8#
236 25.9 20.2 30.2



#78
Pyrene
Concen: 4.051 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF119816.D
Acq: 7 Apr 2020 12:35

Tgt Ion:202 Resp: 124087
Ion Ratio Lower Upper
202 100
200 18.5 16.8 25.2
203 15.8 15.1 22.7





#79

Terphenyl-d14

Concen: 76.247 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :

BNA_F

ClientSampleId :

TP-60-61-COMP

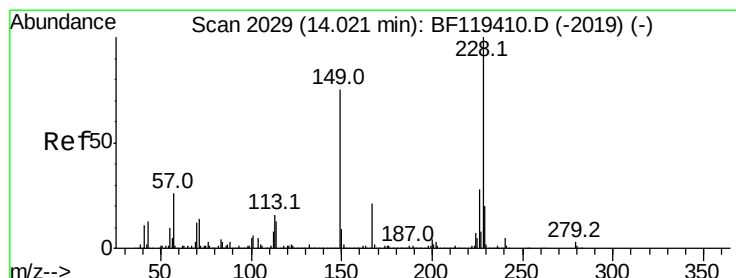
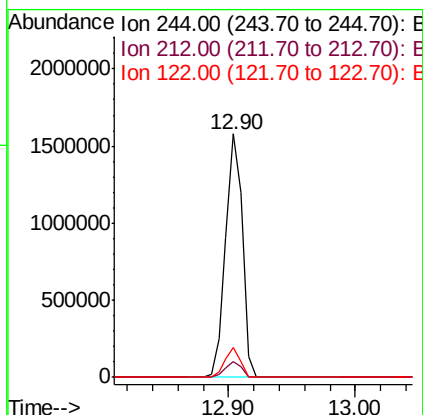
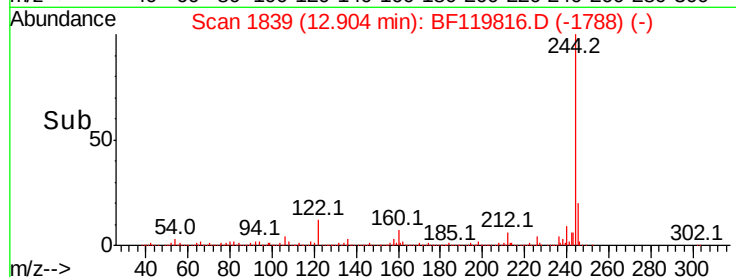
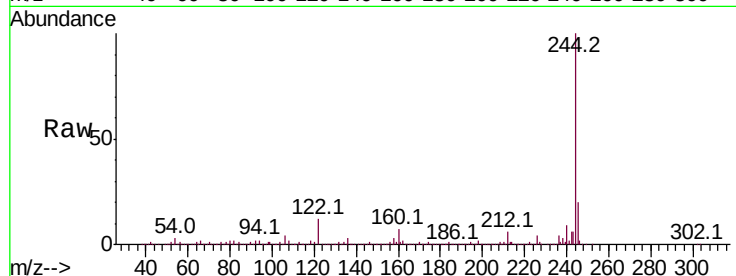
Tot Ion:244 Resp: 1452396

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

122 12.2 10.3 15.5



#81

Benzo(a)anthracene

Concen: 2.210 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

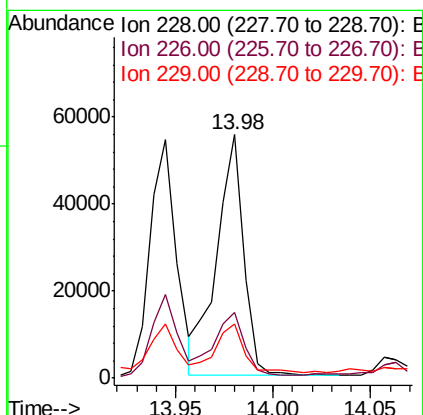
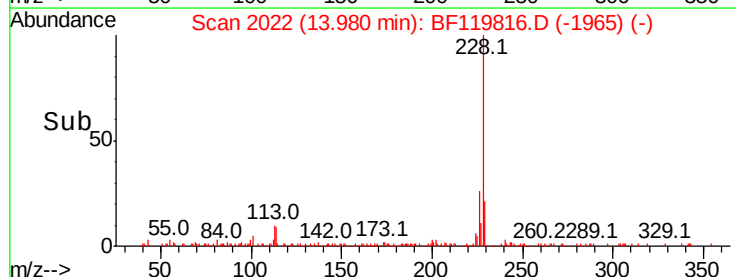
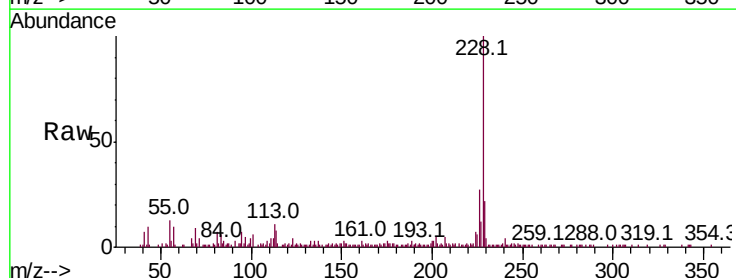
Tgt Ion:228 Resp: 53637

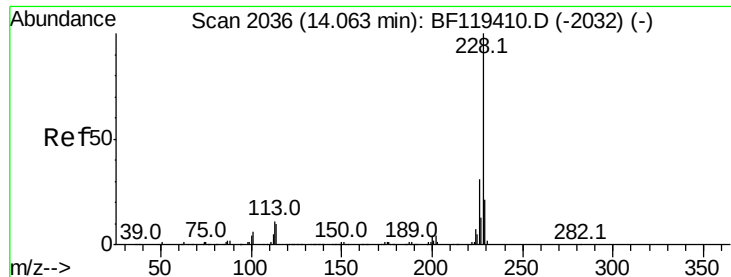
Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.8

229 22.1 16.2 24.4

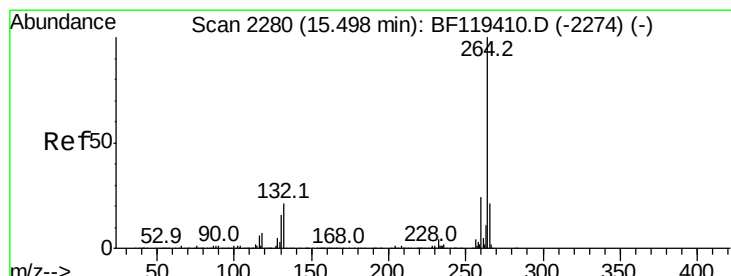
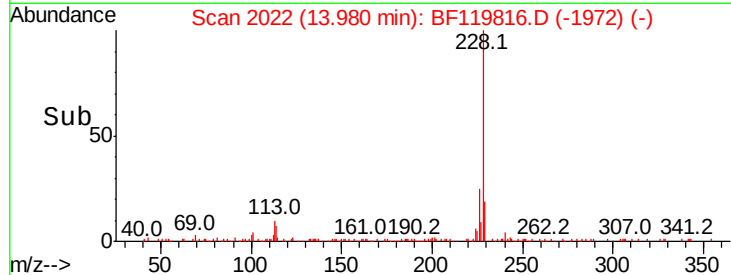
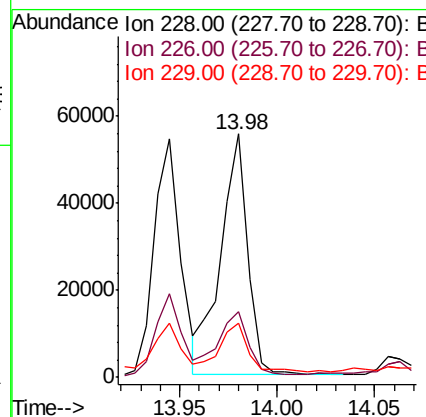
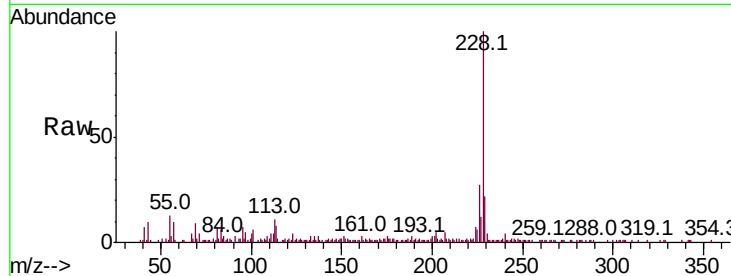




#83
Chrysene
Concen: 2.142 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119816.D
Acq: 7 Apr 2020 12:35

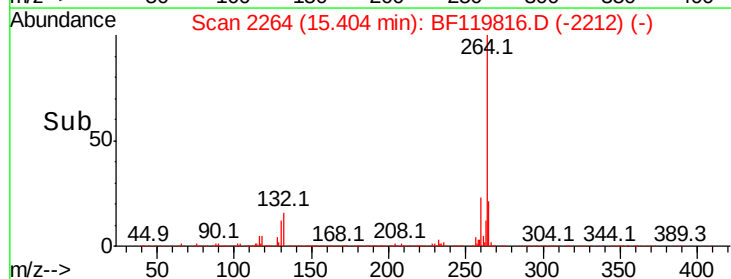
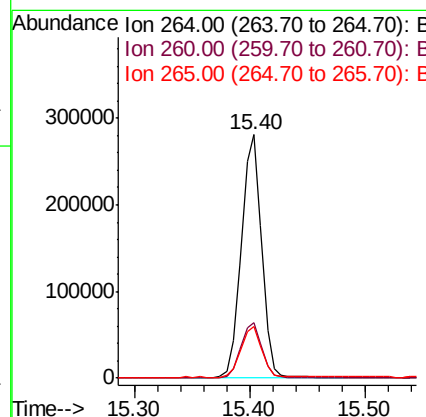
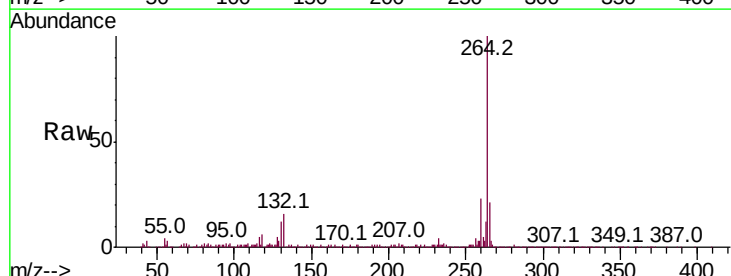
Instrument :
BNA_F
ClientSampleId :
TP-60-61-COMP

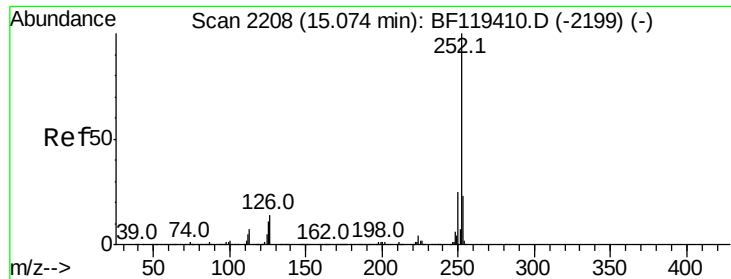
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	25.4	38.0
229	22.1	16.6	24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF119816.D
Acq: 7 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.0	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 2.790 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.01 min

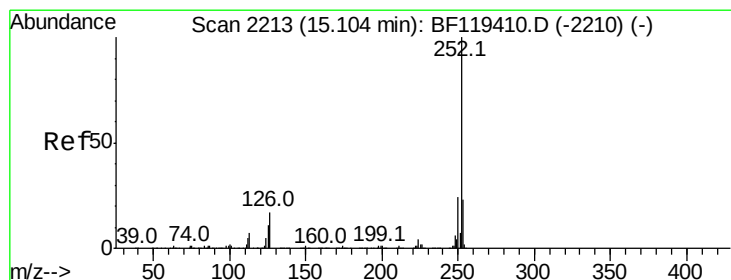
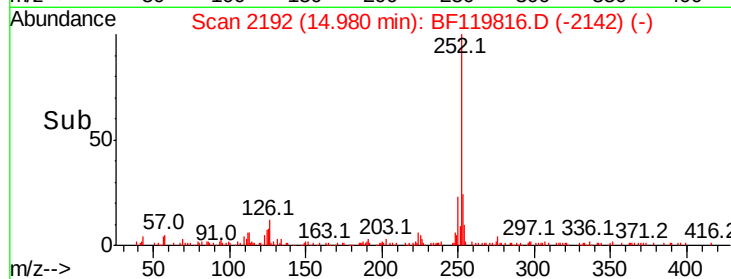
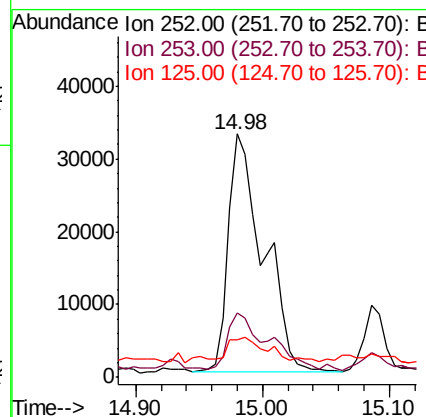
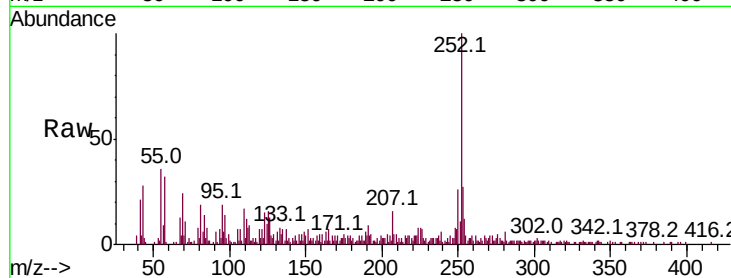
Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Instrument :
BNA_F
ClientSampleId :
TP-60-61-COMP

Tot Ion:252 Resp: 63433

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.4	26.0#
125	15.5	7.9	11.9#



#89

Benzo(k)fluoranthene

Concen: 2.930 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.04 min

Lab File: BF119816.D

Acq: 7 Apr 2020 12:35

Tgt Ion:252 Resp: 63433

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.8	26.6
125	15.5	8.4	12.6#

