

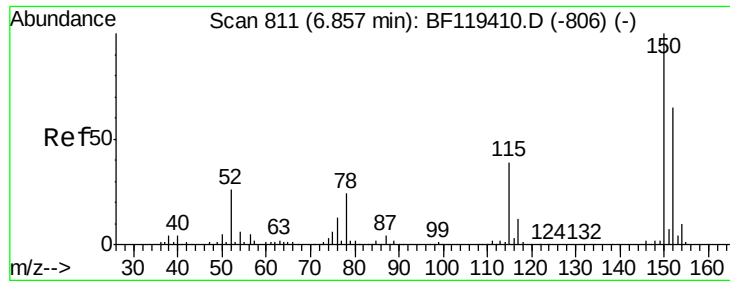
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119748.D
 Acq On : 4 Apr 2020 6:41
 Operator : MA/SJ
 Sample : L2129-21
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Apr 04 07:13:37 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	200018	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	748942	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	361036	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	604390	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	387536	20.00	ng	-0.03
87) Perylene-d12	15.43	264	403770	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1822120	145.02	ng	0.01
7) Phenol-d6	6.44	99	2359078	146.98	ng	0.00
23) Nitrobenzene-d5	7.37	82	1441829	104.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	549472	147.52	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2347926	96.34	ng	-0.01
79) Terphenyl-d14	12.92	244	1974466	99.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	191531	19.80	ng	# 74
25) Isophorone	7.37	82	1439118	51.48	ng	# 65
50) Dimethylphthalate	9.56	163	254981	9.94	ng	100
54) 2,4-Dinitrophenol	10.13	184	568	7.49	ng	# 21
57) 2,4-Dinitrotoluene	9.85	165	47259	6.82	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	33103	4.81	ng	# 1
71) Phenanthrene	11.36	178	371284	11.85	ng	96
72) Anthracene	11.40	178	69276	2.17	ng	97
75) Fluoranthene	12.54	202	375698	11.08	ng	98
78) Pyrene	12.77	202	342895	10.78	ng	98
81) Benzo(a)anthracene	13.96	228	158482	6.29	ng	96
83) Chrysene	14.00	228	163983	6.31	ng	95
86) Indeno(1,2,3-cd)pyrene	16.86	276	67187	2.74	ng	94
88) Benzo(b)fluoranthene	15.00	252	238663	8.85	ng	99
89) Benzo(k)fluoranthene	15.00	252	238663	9.29	ng	99
90) Benzo(a)pyrene	15.36	252	127907	5.22	ng	98
92) Benzo(g,h,i)perylene	17.29	276	63655	2.96	ng	# 93

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

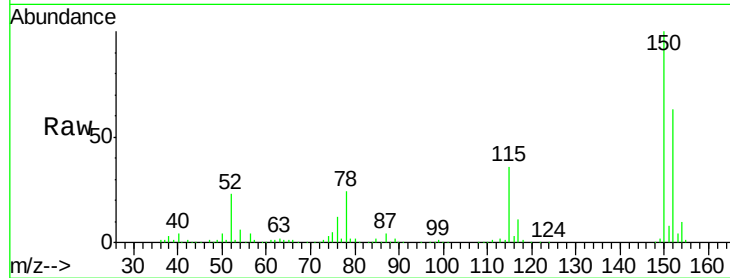


#1

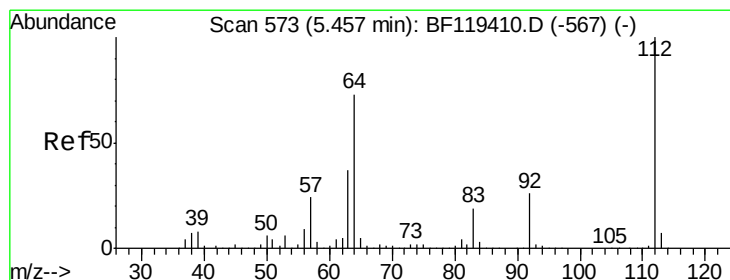
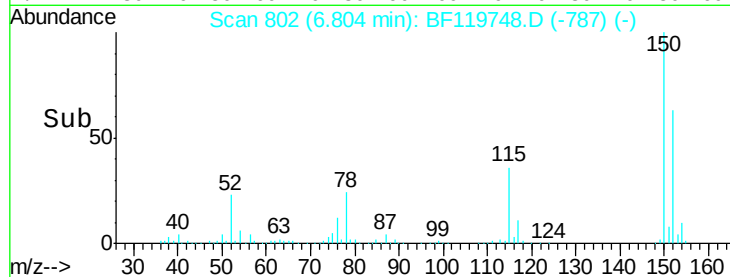
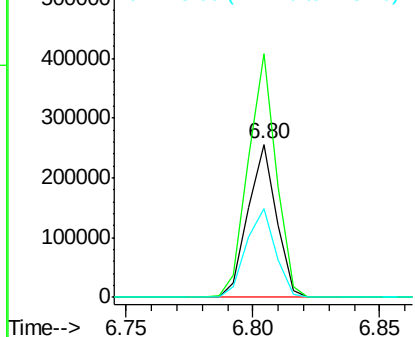
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 200018
Ion Ratio Lower Upper
152 100
150 158.8 124.5 186.7
115 57.6 49.6 74.4



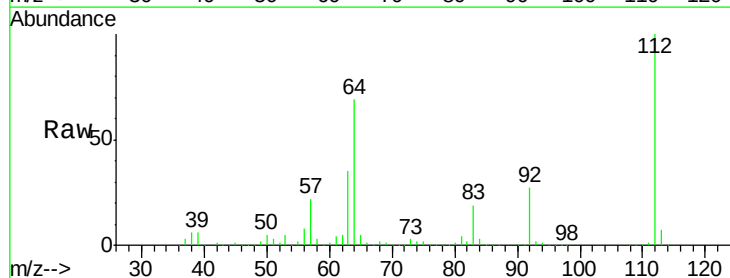
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



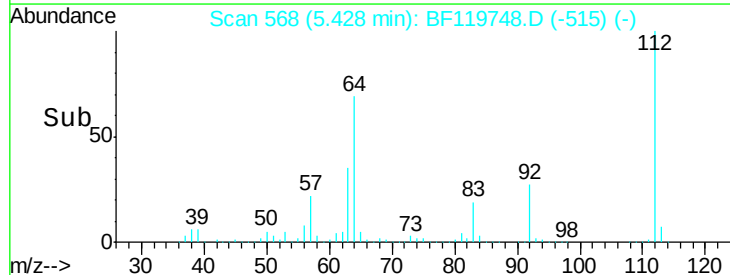
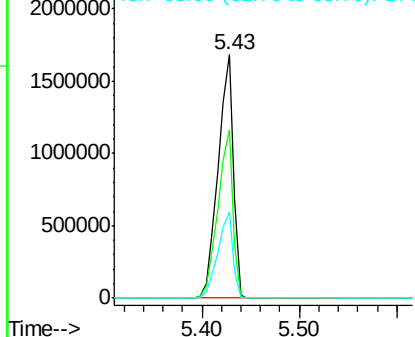
#5

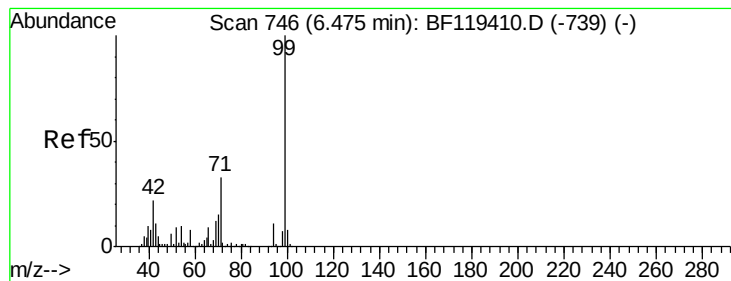
2-Fluorophenol
Concen: 145.02 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119748.D
Acq: 4 Apr 2020 6:41

Tgt Ion:112 Resp: 1822120
Ion Ratio Lower Upper
112 100
64 69.1 56.7 85.1
63 35.4 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: 146.98 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

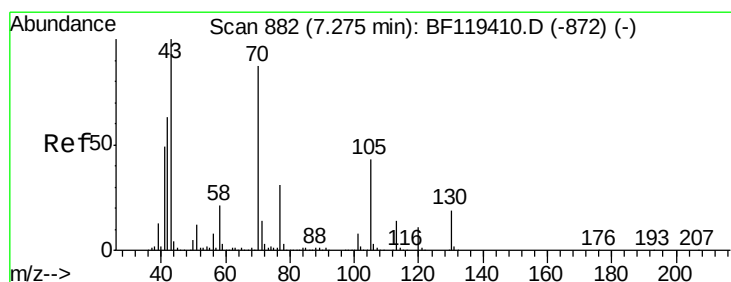
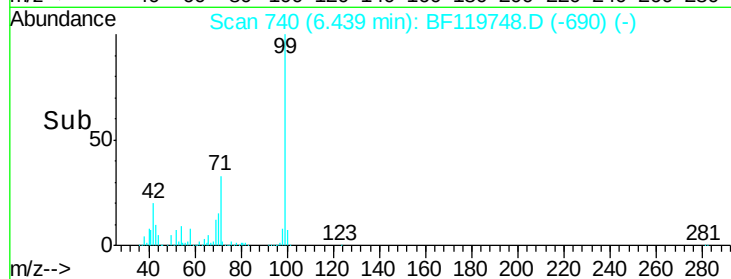
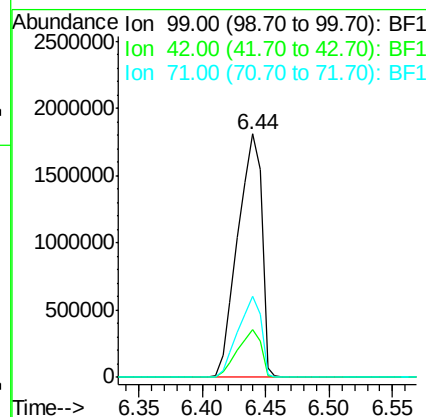
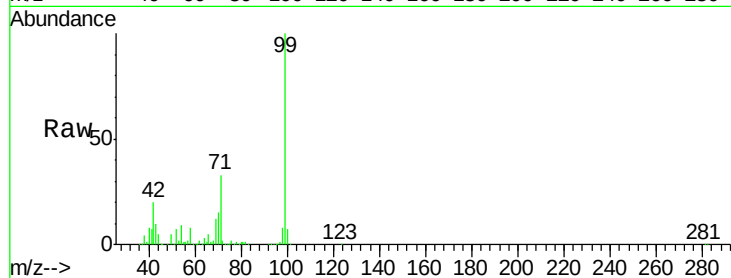
Tgt Ion: 99 Resp: 2359078

Ion Ratio Lower Upper

99 100

42 19.9 16.6 24.8

71 33.1 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.80 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Tgt Ion: 70 Resp: 191531

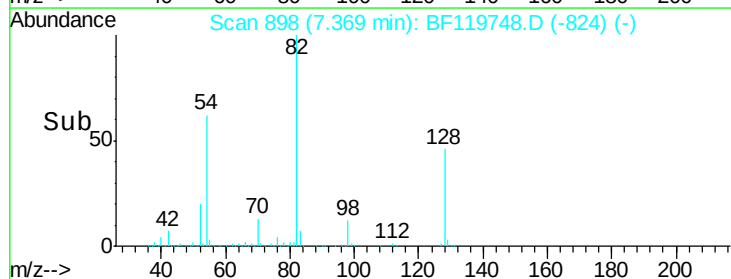
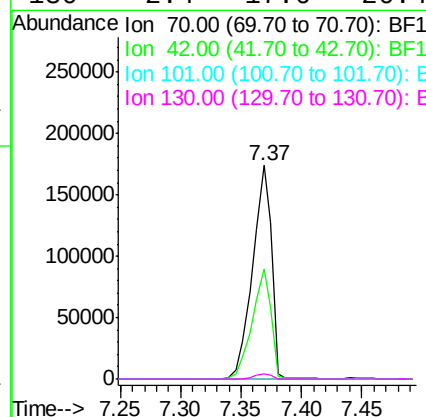
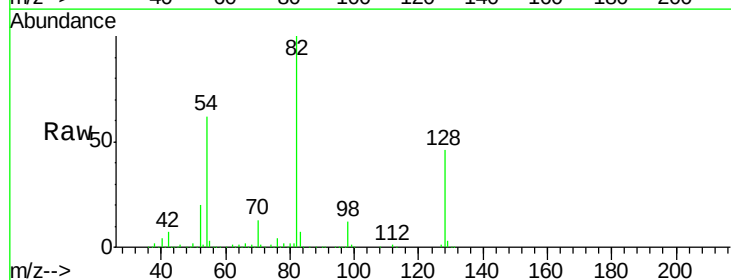
Ion Ratio Lower Upper

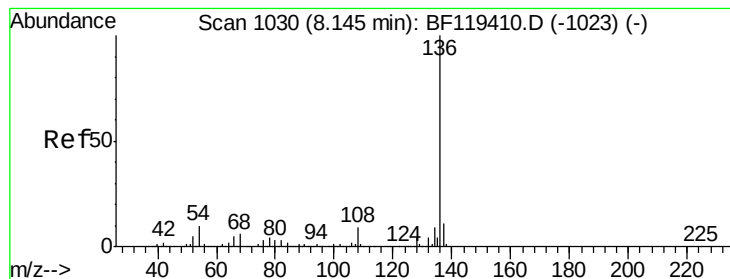
70 100

42 51.5 54.5 81.7#

101 0.0 7.6 11.4#

130 2.4 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: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 748942

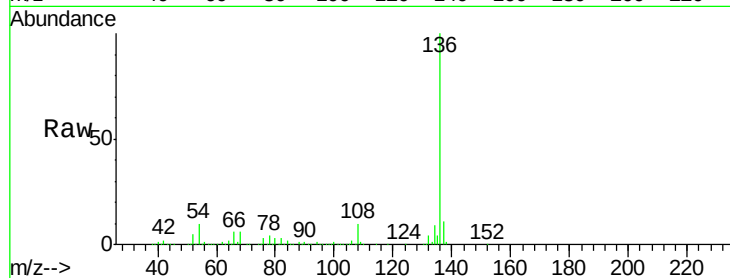
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.1 9.1 13.7

68 6.0 4.6 6.8

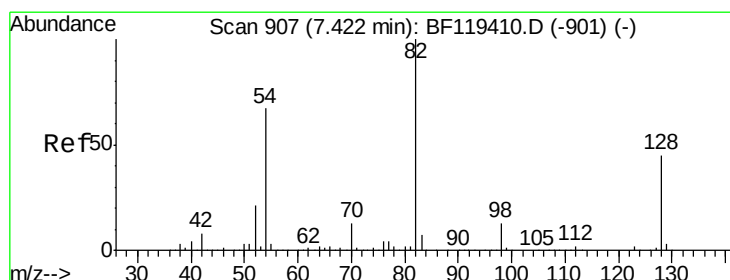
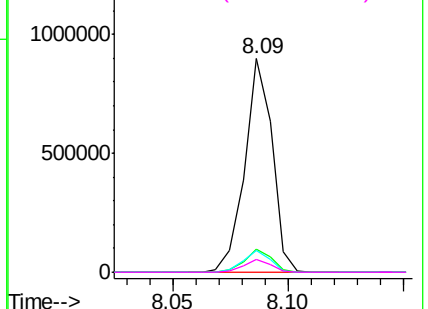
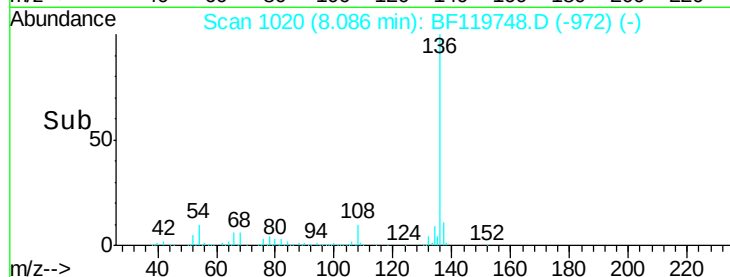


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.63 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

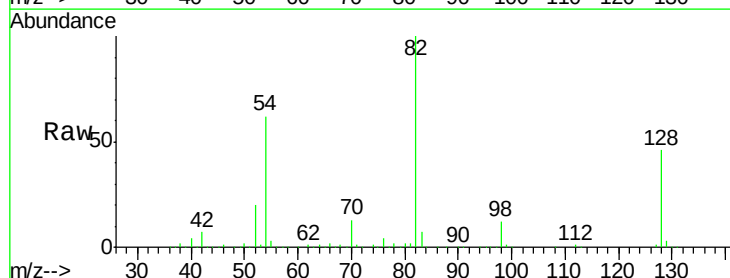
Tgt Ion: 82 Resp: 1441829

Ion Ratio Lower Upper

82 100

128 46.0 36.3 54.5

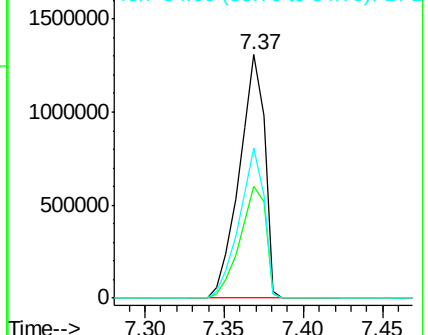
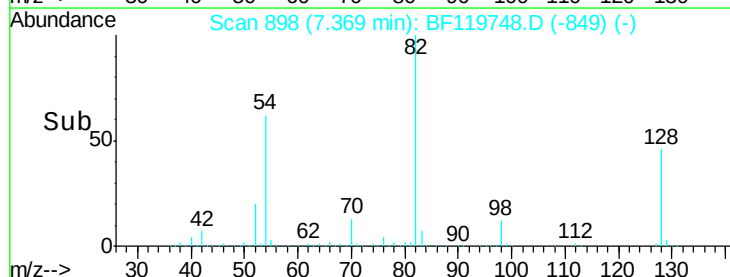
54 61.7 50.6 75.8

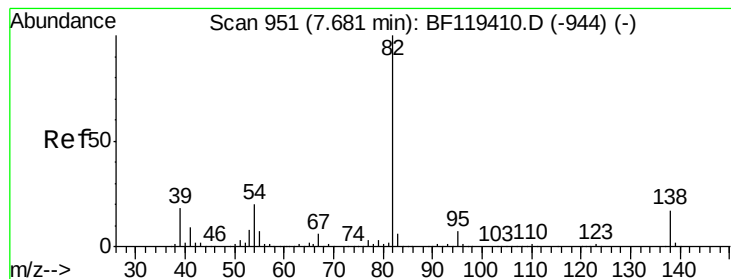


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.48 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

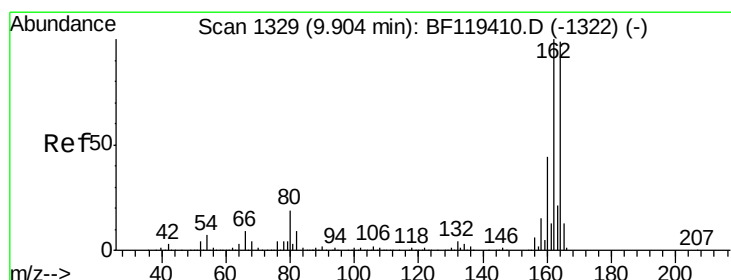
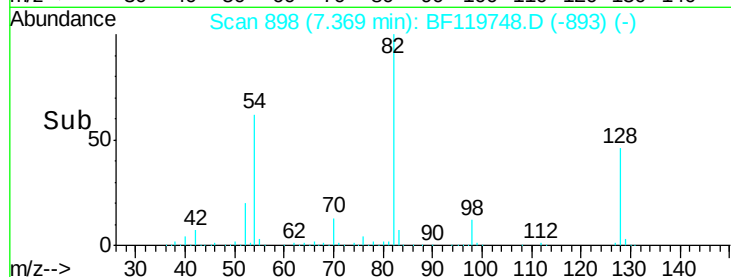
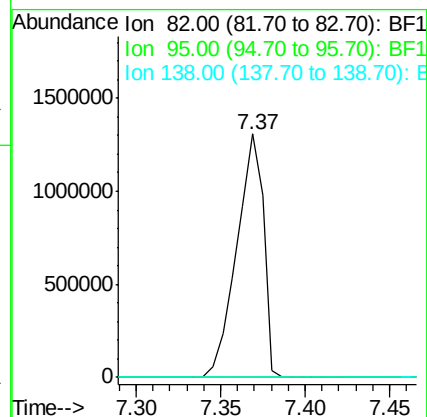
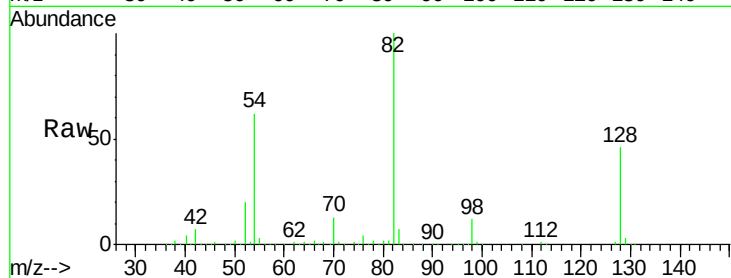
Tgt Ion: 82 Resp: 1439118

Ion Ratio Lower Upper

82 100

95 0.1 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: BF119748.D

Acq: 4 Apr 2020 6:41

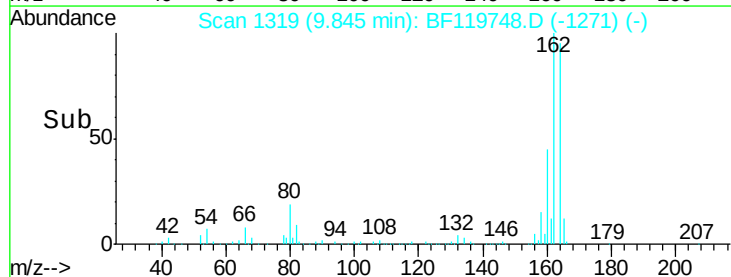
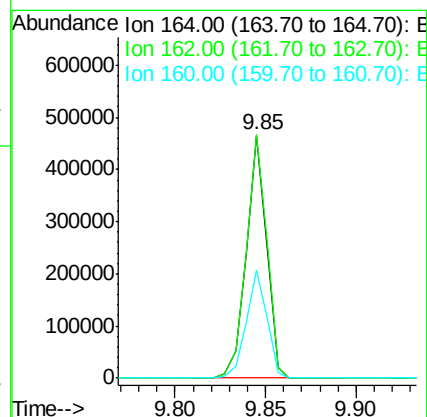
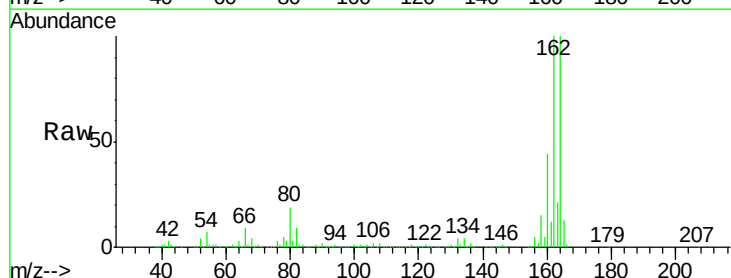
Tgt Ion: 164 Resp: 361036

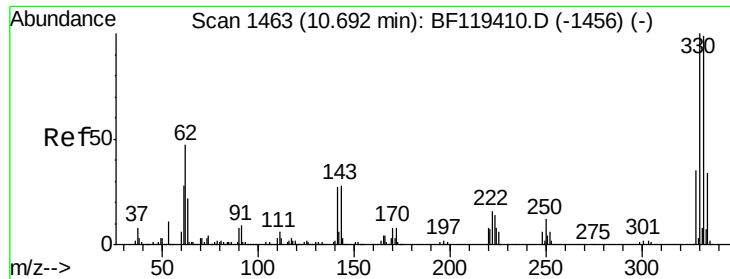
Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.5 35.7 53.5

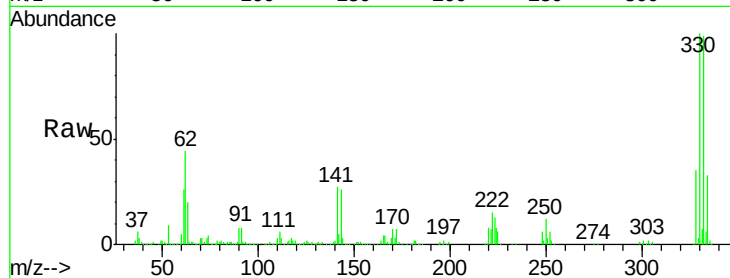




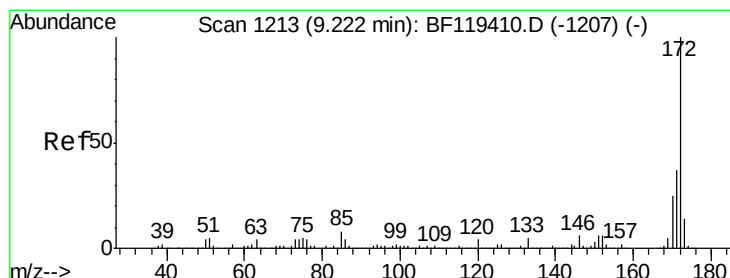
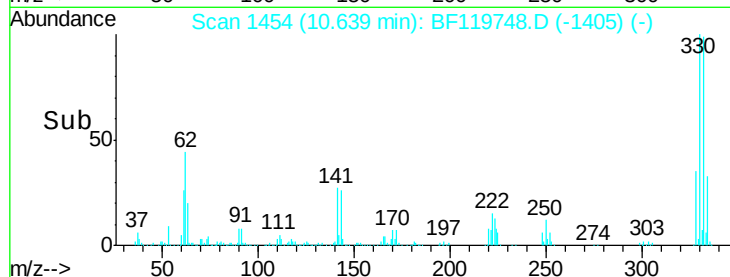
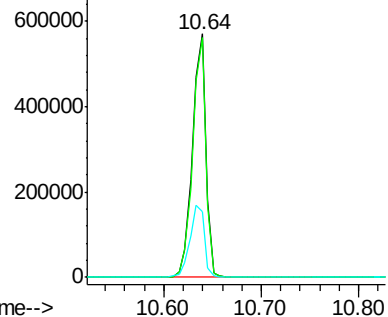
#42
 2,4,6-Tribromophenol
 Concen: 147.52 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:330 Resp: 549472
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.7 113.5
 141 31.1 25.4 38.0

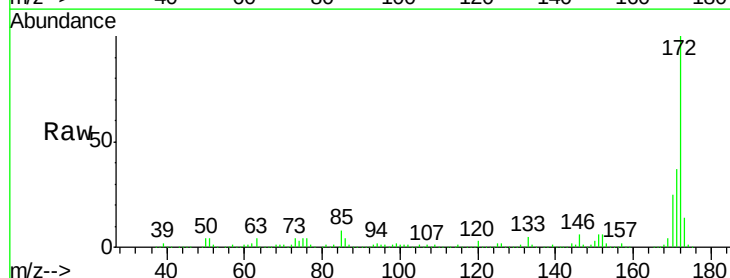


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

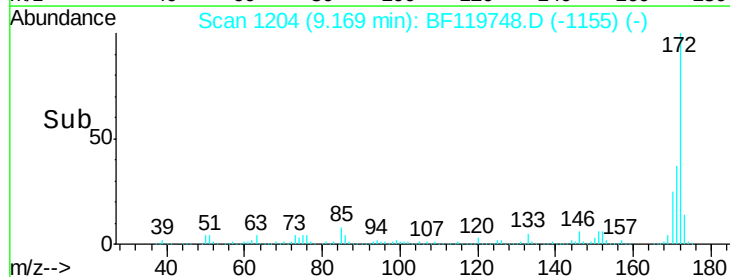
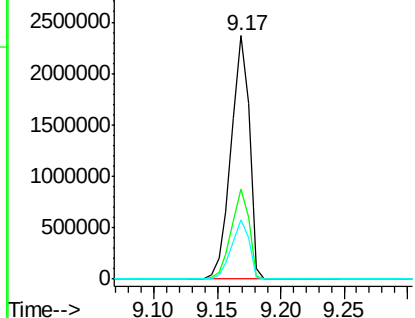


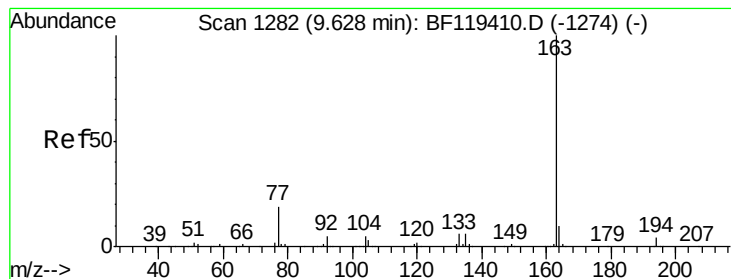
#45
 2-Fluorobiphenyl
 Concen: 96.34 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Tgt Ion:172 Resp: 2347926
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.6 44.4
 170 24.6 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: 9.94 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

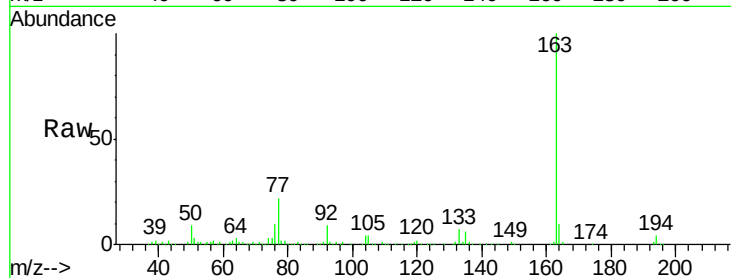
Tgt Ion:163 Resp: 254981

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

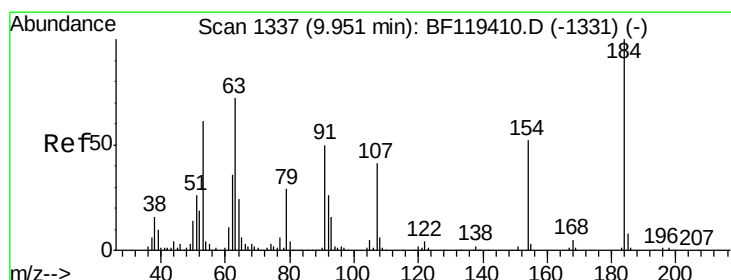
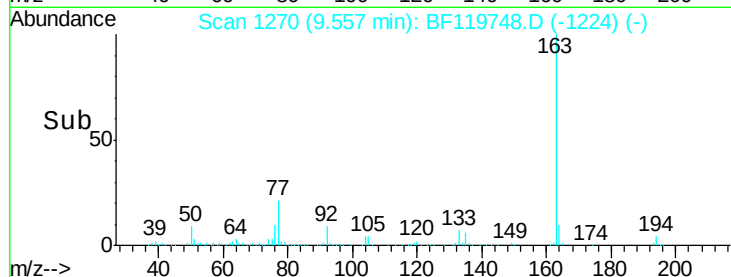
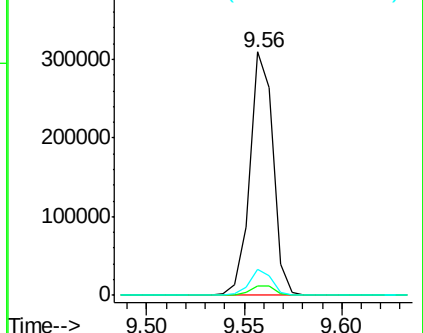
164 10.4 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 7.49 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.21 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

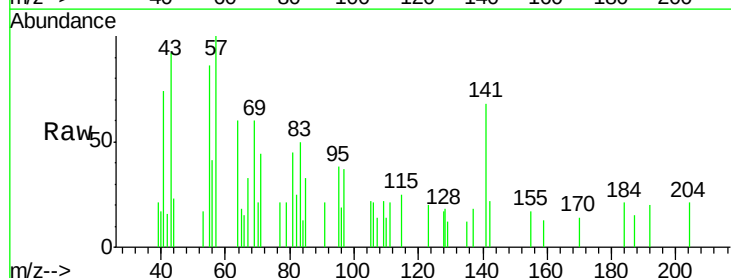
Tgt Ion:184 Resp: 568

Ion Ratio Lower Upper

184 100

63 0.0 50.2 75.4#

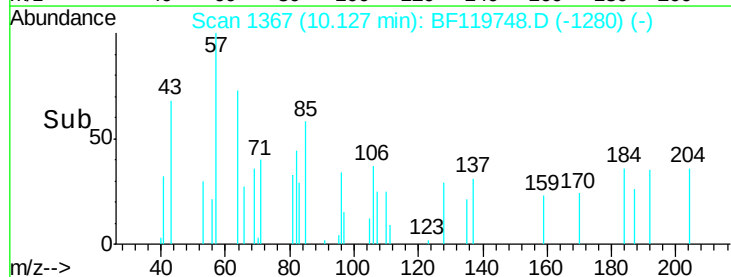
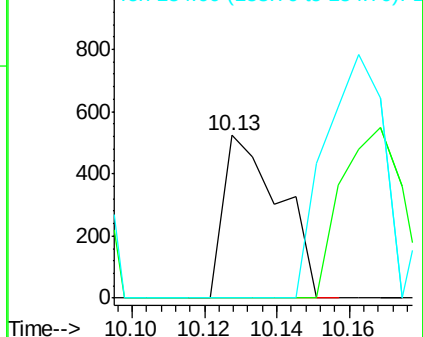
154 0.0 44.5 66.7#

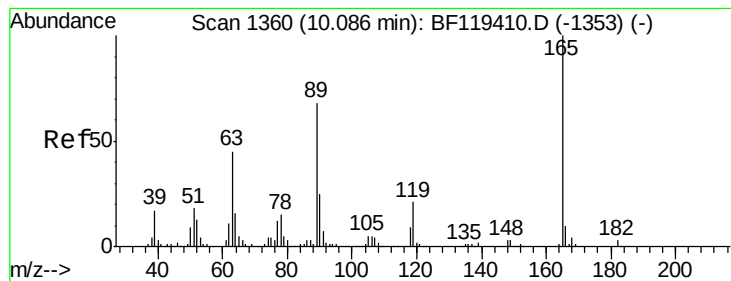


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.82 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:165 Resp: 47259

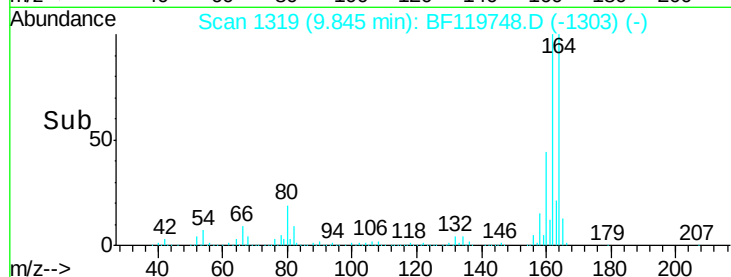
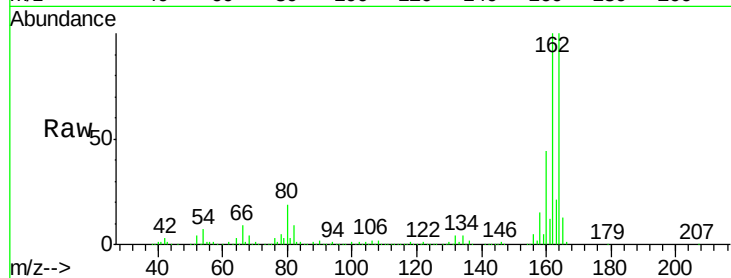
Ion Ratio Lower Upper

165 100

63 1.3 42.6 64.0#

89 1.2 61.0 91.4#

182 0.0 2.2 3.2#

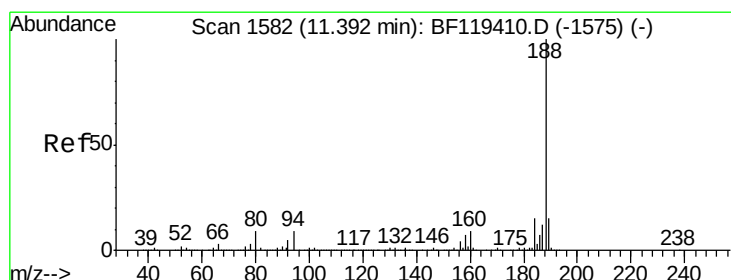
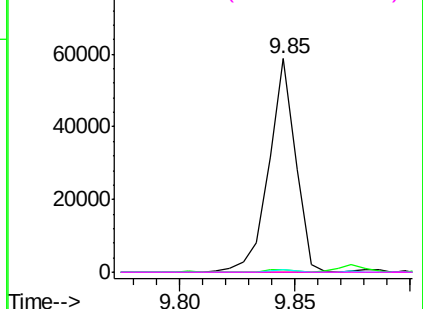


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF119748.D

Acq: 4 Apr 2020 6:41

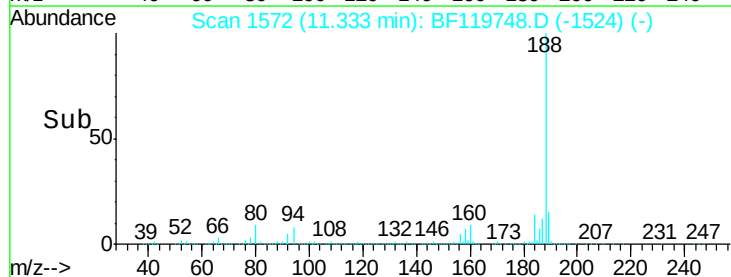
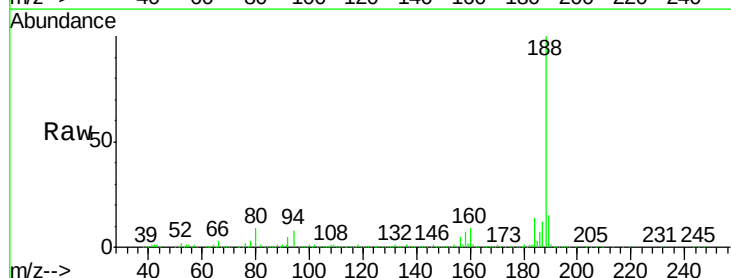
Tgt Ion:188 Resp: 604390

Ion Ratio Lower Upper

188 100

94 8.4 7.5 11.3

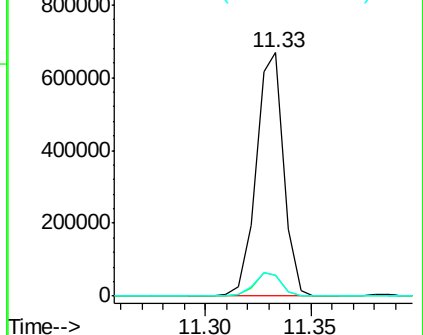
80 8.8 9.0 13.4#

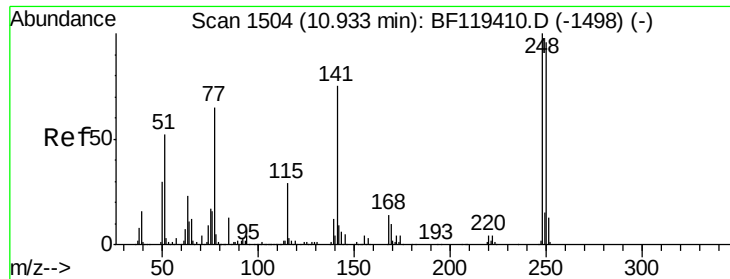


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

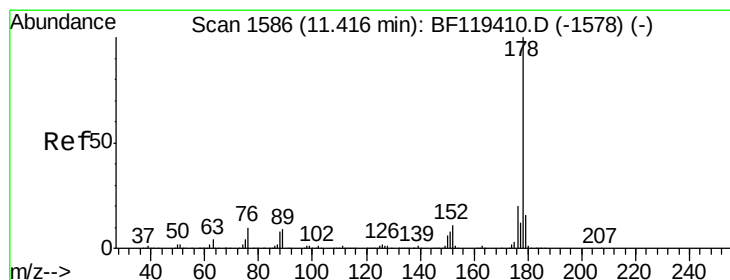
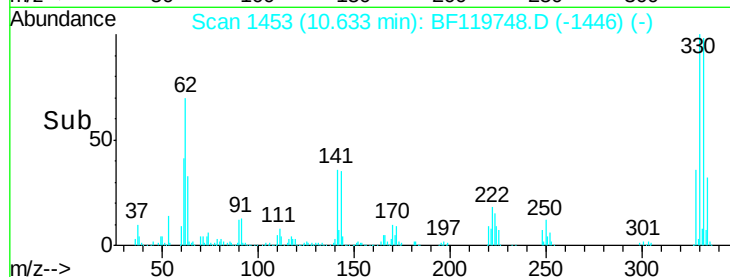
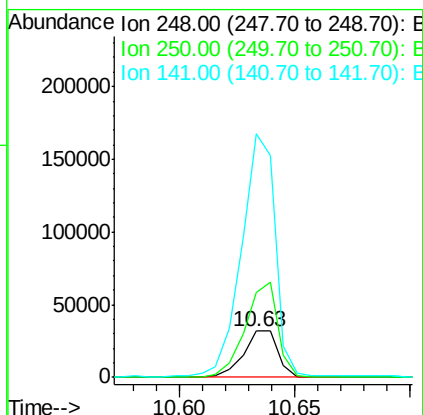
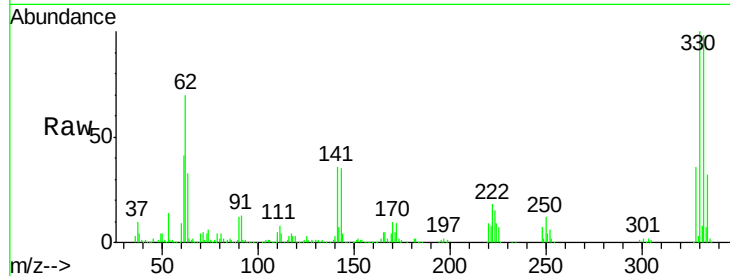




#67
 4-Bromophenyl-phenylether
 Concen: 4.81 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.26 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

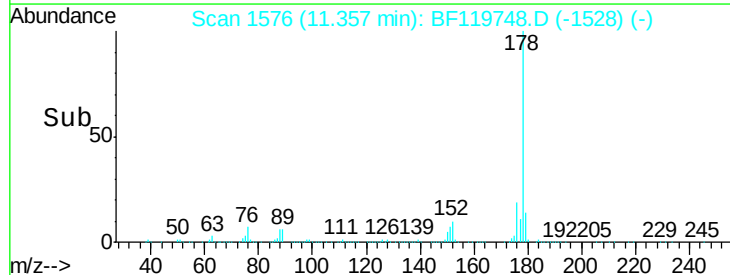
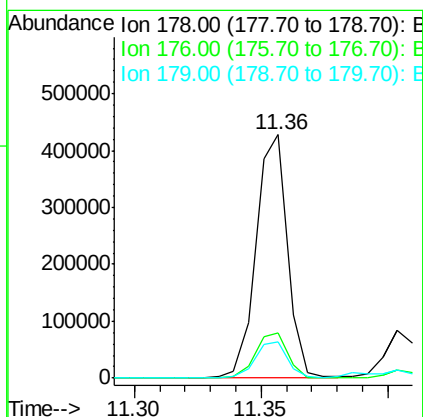
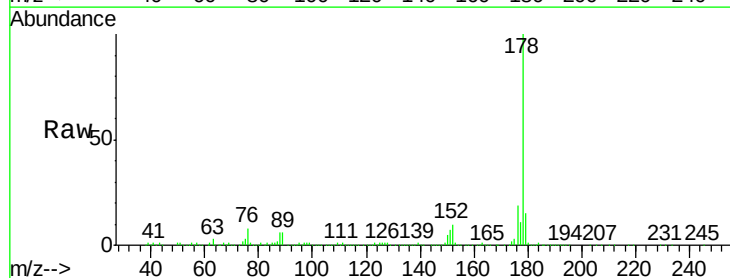
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

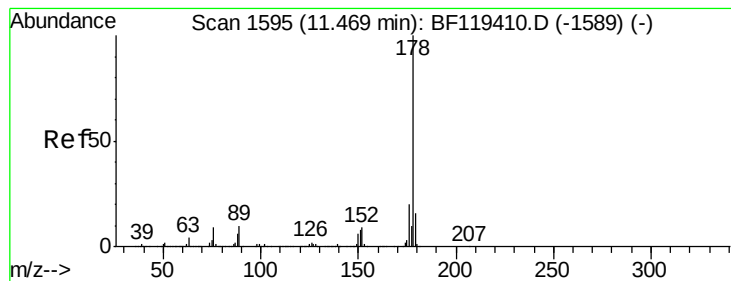
Tgt Ion:248 Resp: 33103
 Ion Ratio Lower Upper
 248 100
 250 184.1 77.3 115.9#
 141 528.6 58.6 87.8#



#71
 Phenanthrene
 Concen: 11.85 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Tgt Ion:178 Resp: 371284
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 14.7 13.2 19.8





#72

Anthracene

Concen: 2.17 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

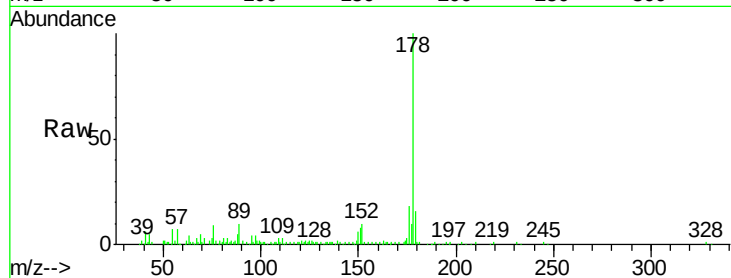
Tgt Ion:178 Resp: 69276

Ion Ratio Lower Upper

178 100

176 17.9 16.1 24.1

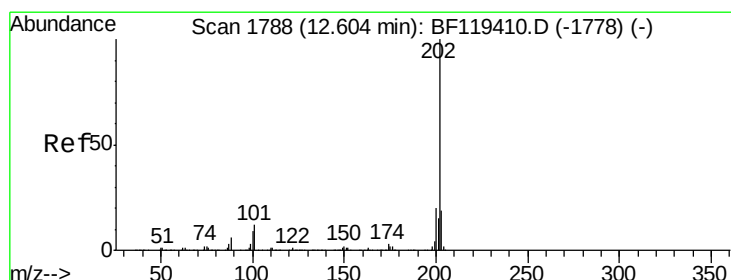
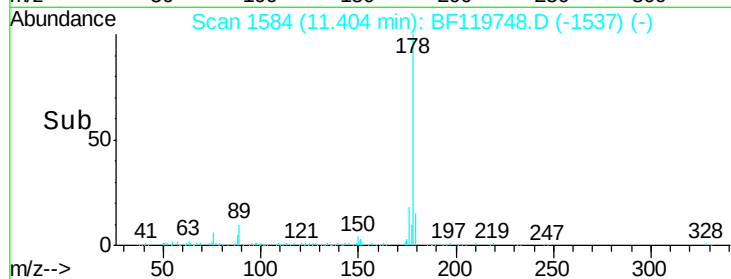
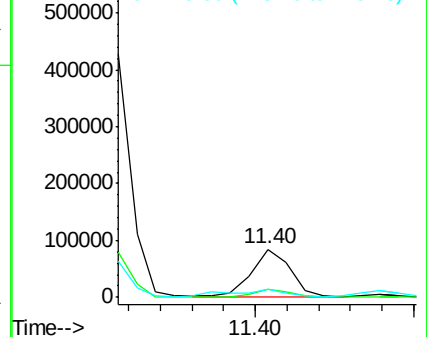
179 16.0 13.0 19.4



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: 11.08 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

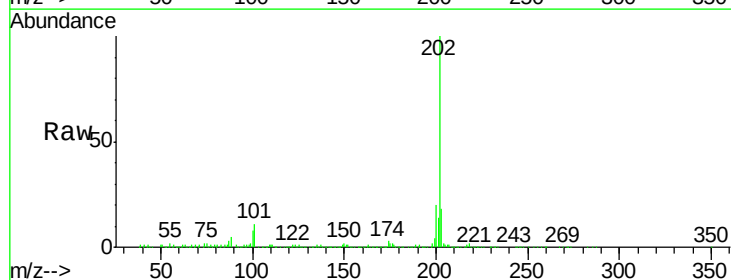
Tgt Ion:202 Resp: 375698

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.2

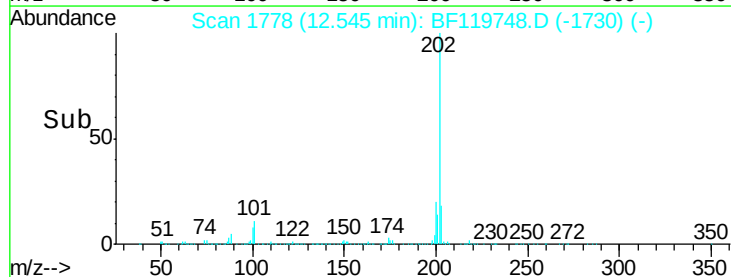
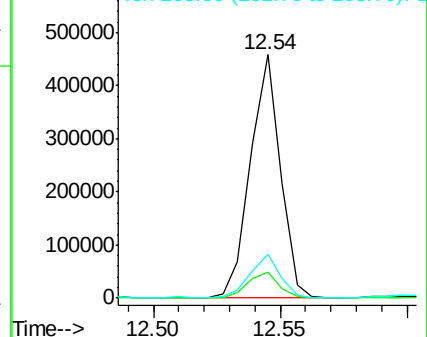
203 18.2 0.0 38.8

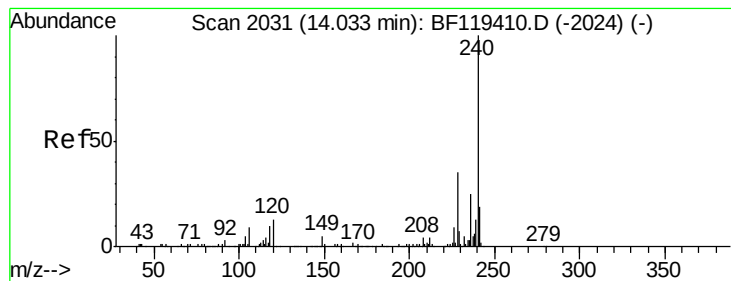


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

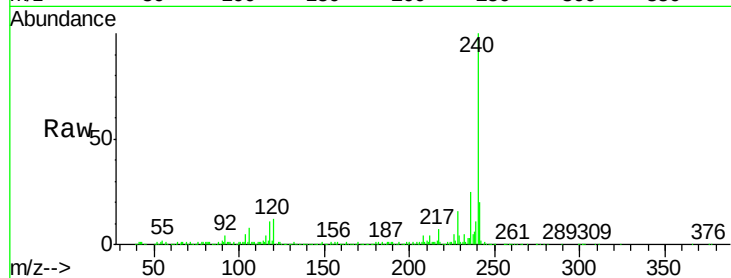
Tgt Ion:240 Resp: 387536

Ion Ratio Lower Upper

240 100

120 12.4 10.6 15.8

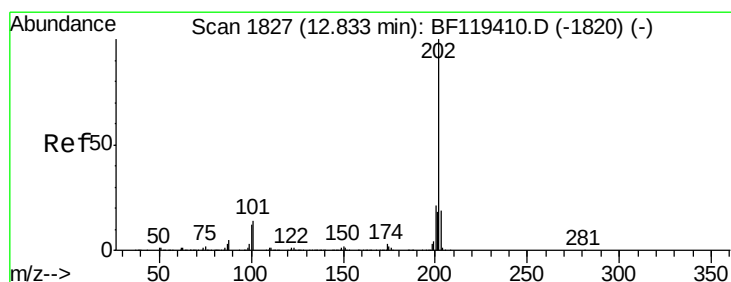
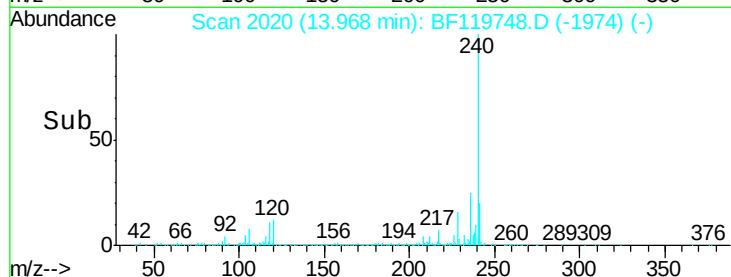
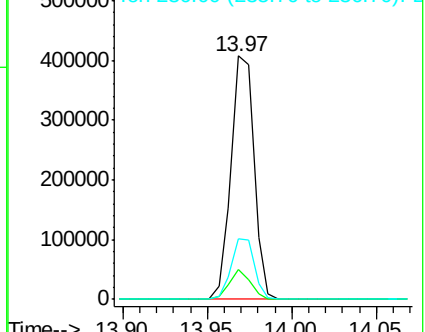
236 25.1 20.2 30.2



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: 10.78 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

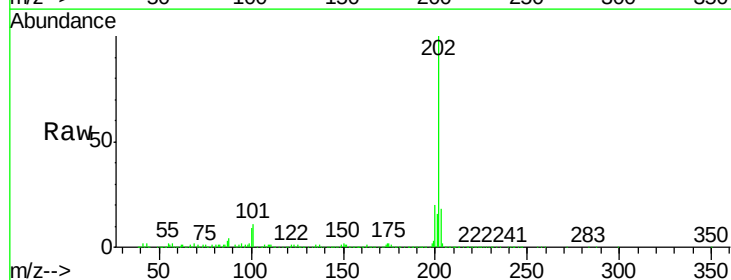
Tgt Ion:202 Resp: 342895

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

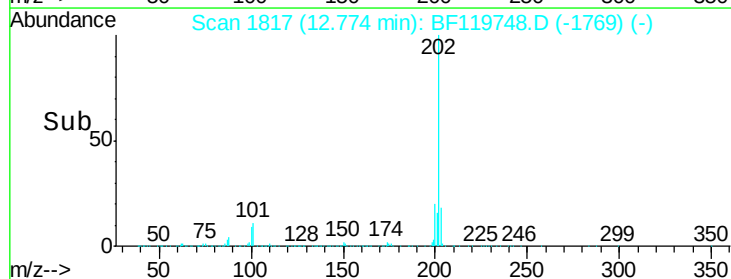
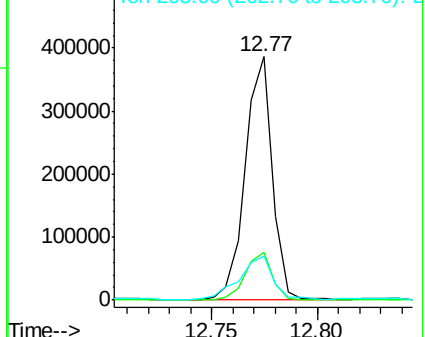
203 18.1 15.1 22.7

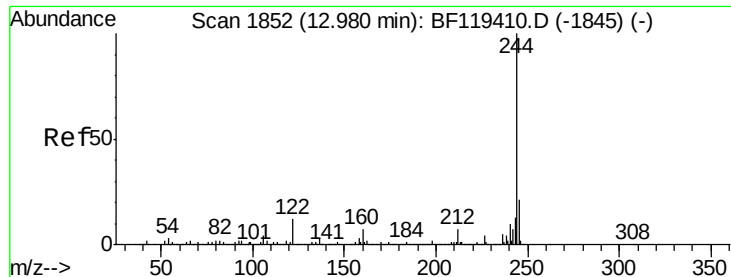


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 99.82 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampled :

TP-1

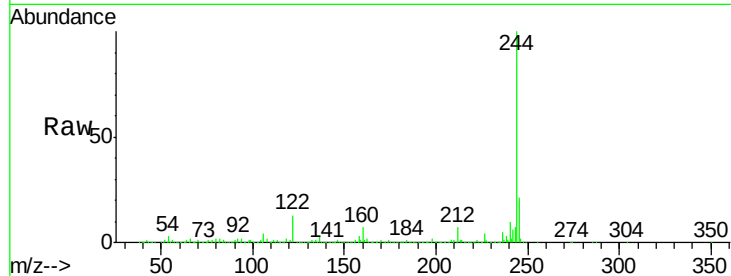
Tgt Ion:244 Resp: 1974466

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

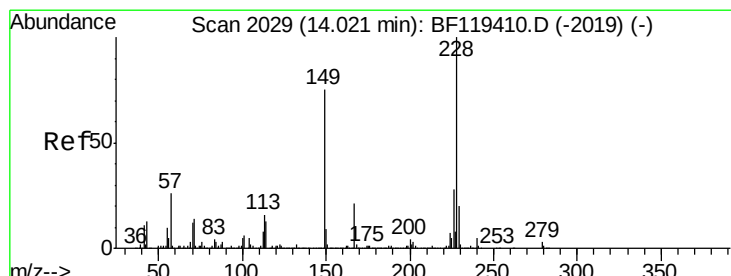
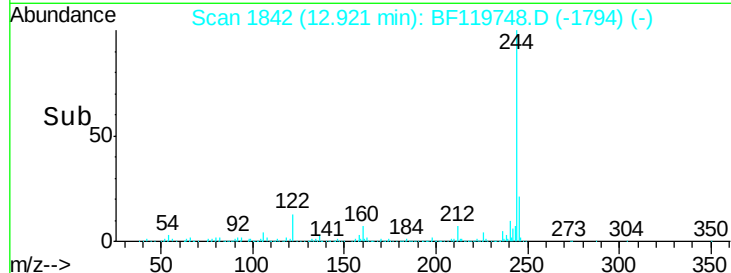
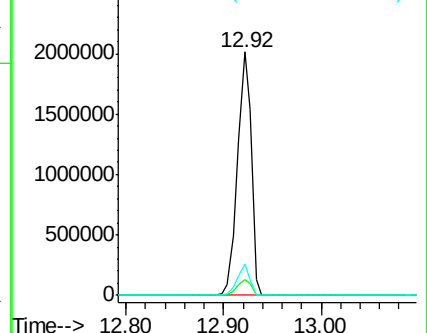
122 12.6 10.3 15.5



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: 6.29 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

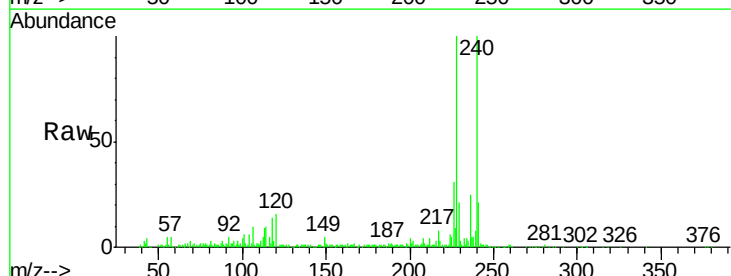
Tgt Ion:228 Resp: 158482

Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.8

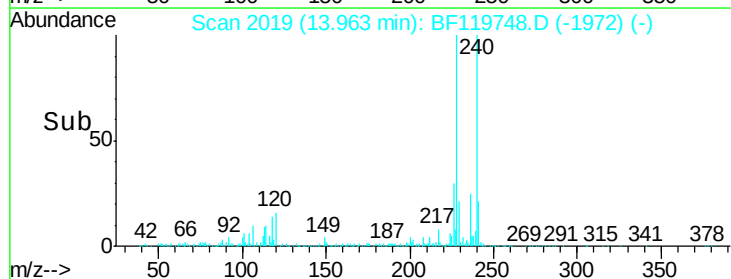
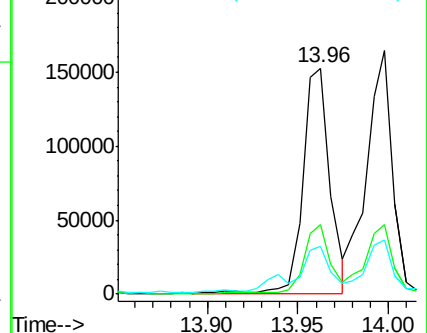
229 21.2 16.2 24.4

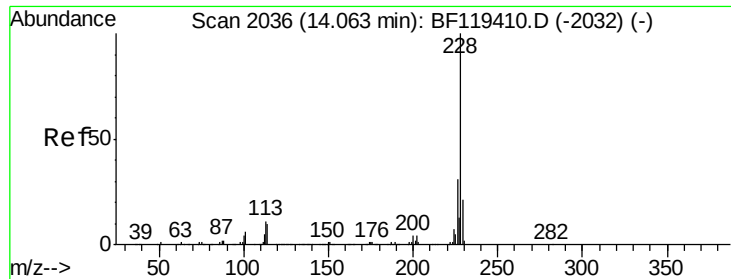


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.31 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

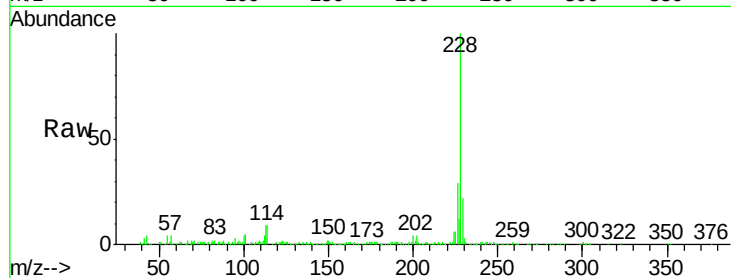
Tgt Ion:228 Resp: 163983

Ion Ratio Lower Upper

228 100

226 28.5 25.4 38.0

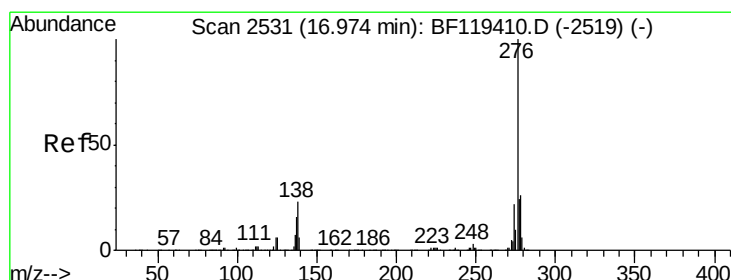
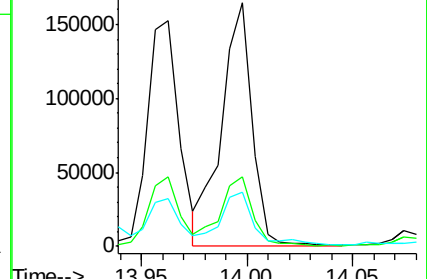
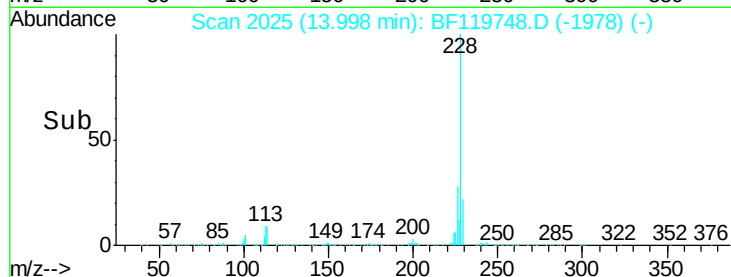
229 22.1 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.74 ng

RT: 16.86 min Scan# 2511

Delta R.T. -0.06 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

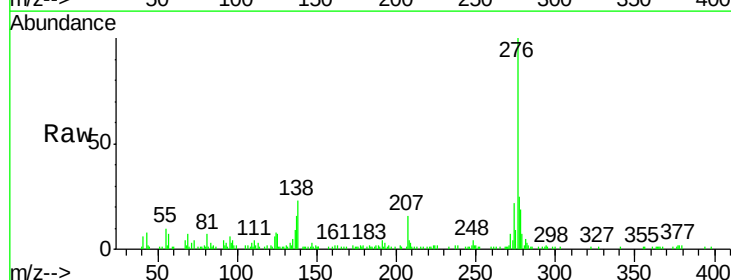
Tgt Ion:276 Resp: 67187

Ion Ratio Lower Upper

276 100

138 21.0 19.6 29.4

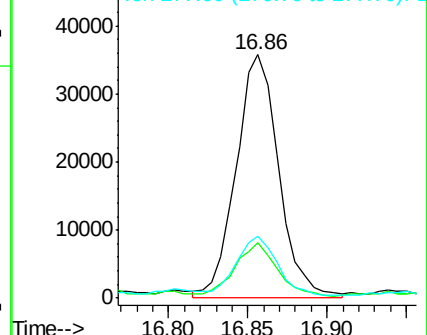
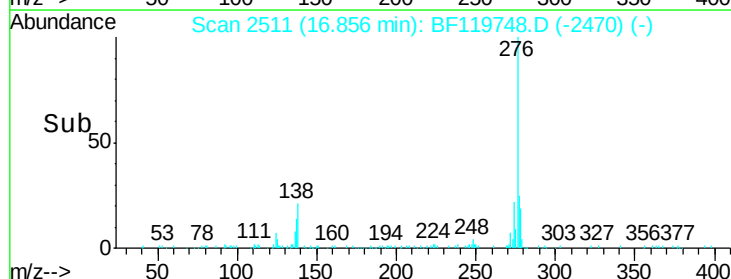
277 23.0 20.0 30.0

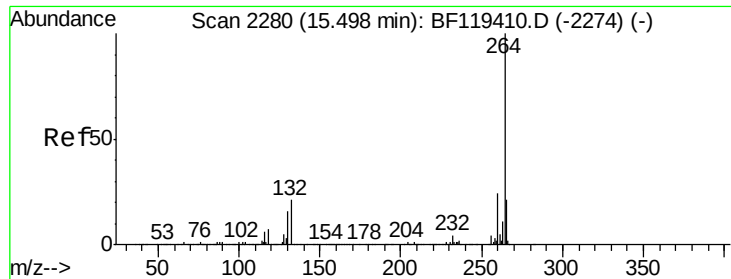


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.43 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

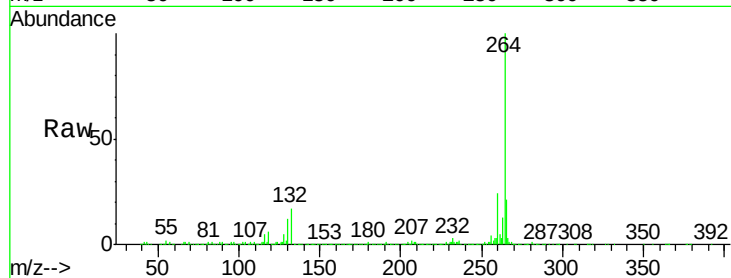
Tgt Ion:264 Resp: 403770

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

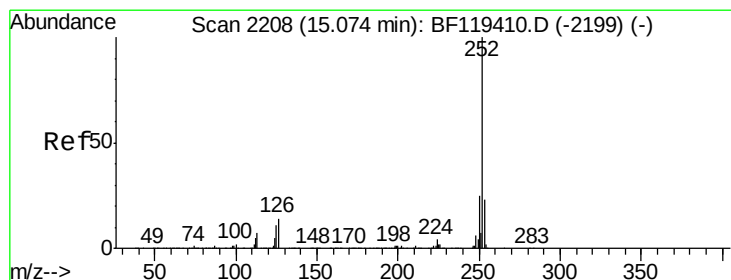
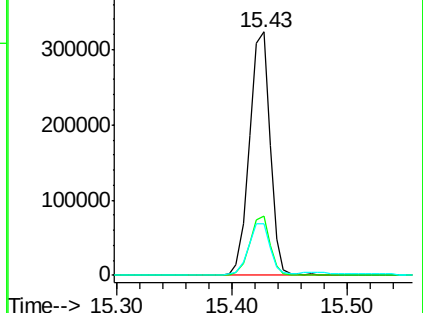
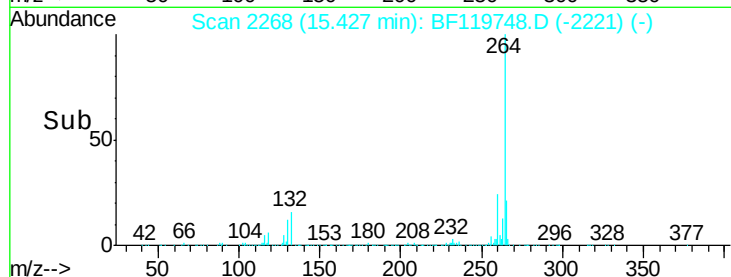
265 21.2 17.7 26.5



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: 8.85 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

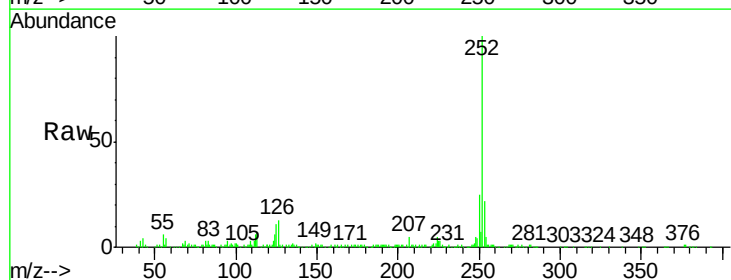
Tgt Ion:252 Resp: 238663

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

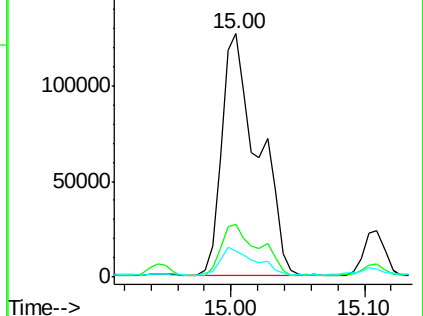
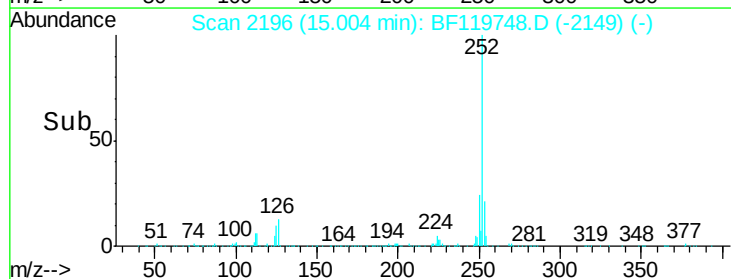
125 10.5 7.9 11.9

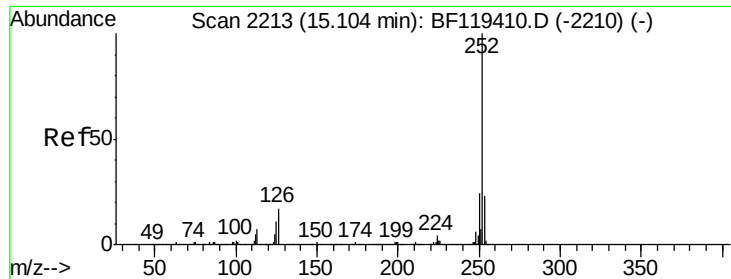


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.29 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.06 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

Instrument :

BNA_F

ClientSampleId :

TP-1

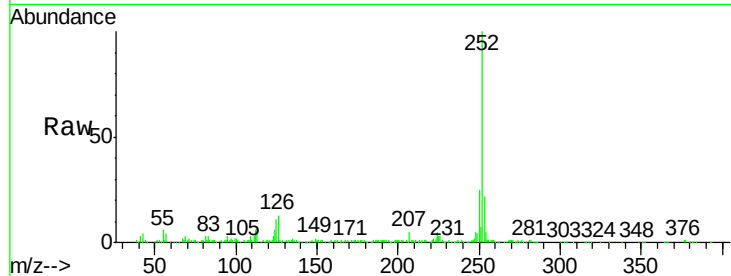
Tgt Ion:252 Resp: 238663

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

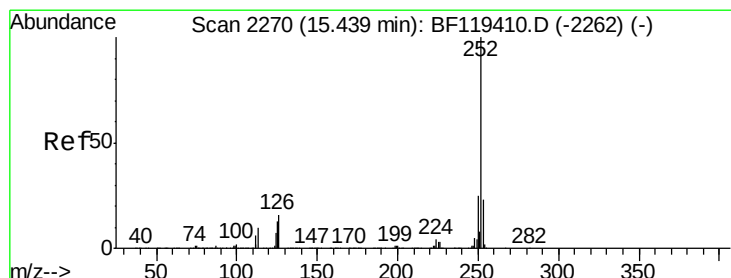
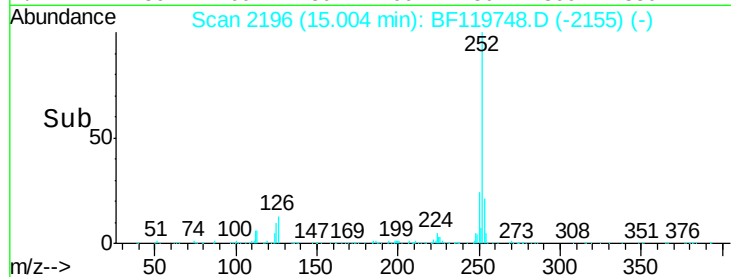
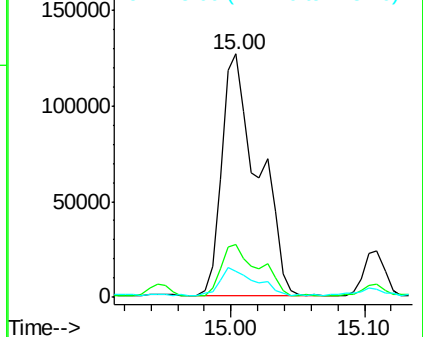
125 10.5 8.4 12.6



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: 5.22 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF119748.D

Acq: 4 Apr 2020 6:41

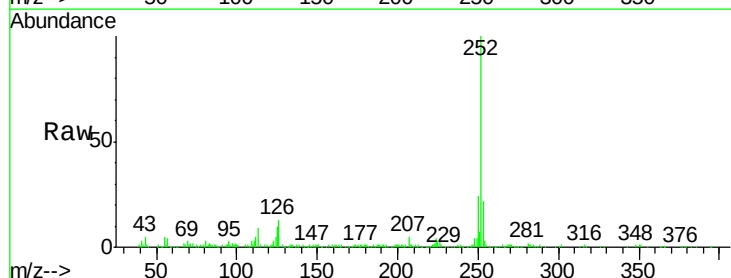
Tgt Ion:252 Resp: 127907

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

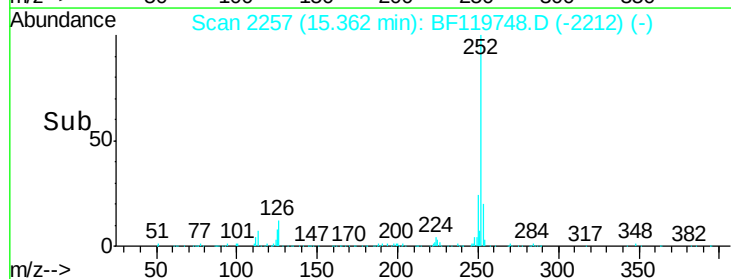
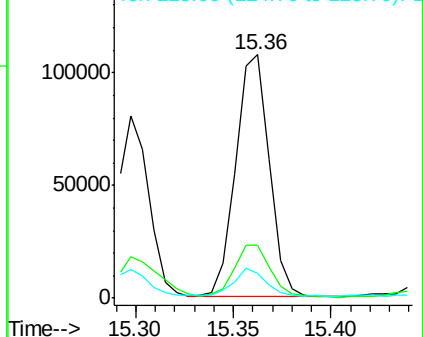
125 10.3 9.4 14.2

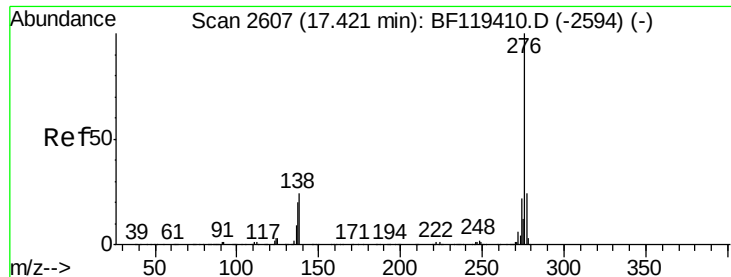


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.96 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.07 min
 Lab File: BF119748.D
 Acq: 4 Apr 2020 6:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	24.1	15.4	23.0

