

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116209.D
 Acq On : 13 Aug 2019 00:35
 Operator : HP/JU
 Sample : K4223-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Quant Time: Aug 13 02:03:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

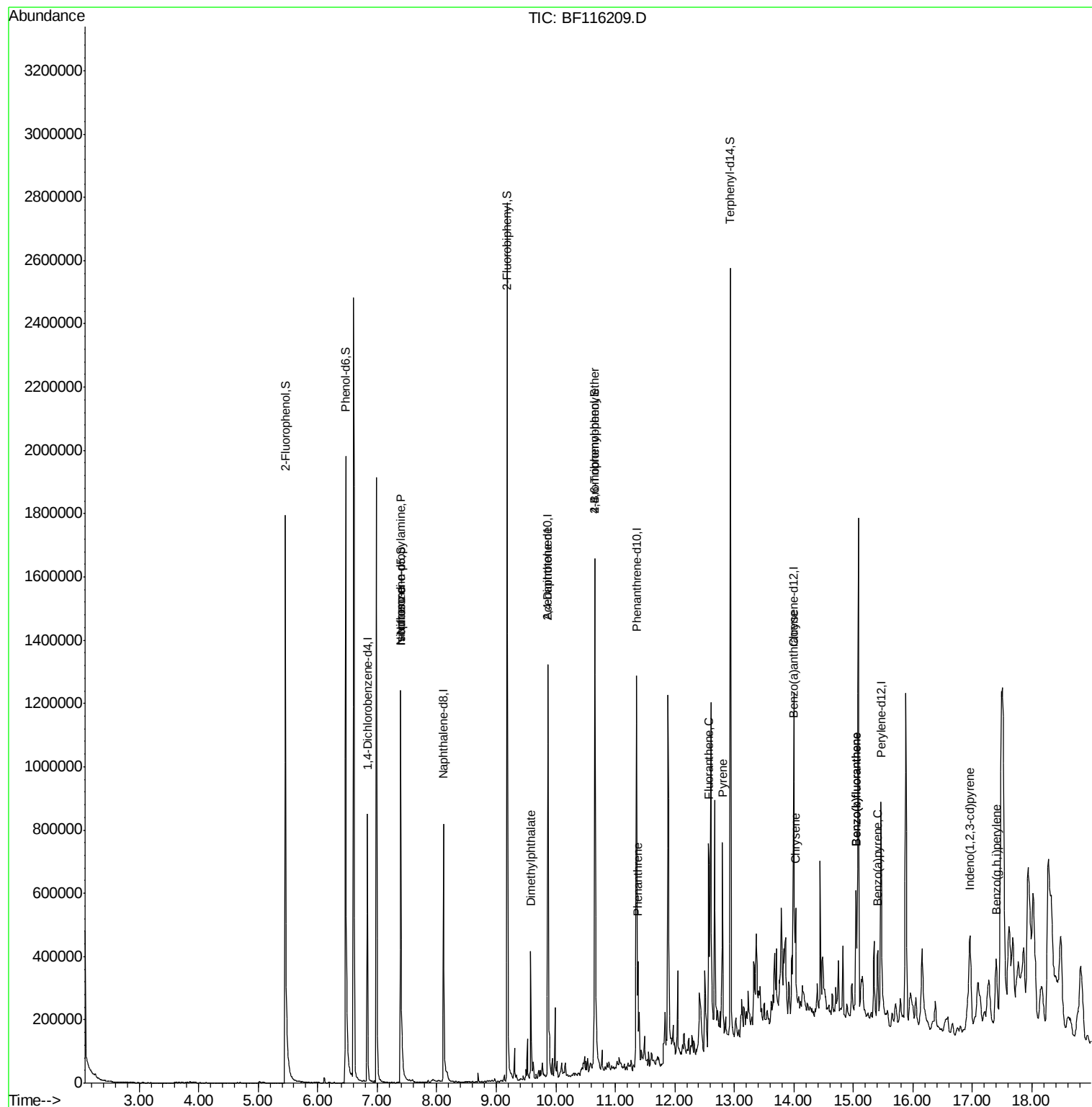
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	125370	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	493463	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	270412	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	470359	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	292383	20.00	ng	-0.01
87) Perylene-d12	15.46	264	345537	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	638313	85.23	ng	-0.01
7) Phenol-d6	6.47	99	853386	90.32	ng	-0.02
23) Nitrobenzene-d5	7.39	82	526298	61.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	228584	87.19	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	861192	59.65	ng	-0.02
79) Terphenyl-d14	12.93	244	823973	59.38	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	69098	11.801	ng	Qvalue # 81
25) Isophorone	7.39	82	526294	32.196	ng	# 65
50) Dimethylphthalate	9.58	163	177706	9.652	ng	99
57) 2,4-Dinitrotoluene	9.87	165	35200	6.607	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	14042	2.789	ng	# 1
71) Phenanthrene	11.38	178	100818	4.193	ng	97
75) Fluoranthene	12.57	202	254338	10.103	ng	98
78) Pyrene	12.80	202	242265	10.992	ng	99
81) Benzo(a)anthracene	13.99	228	136164	7.286	ng	98
83) Chrysene	14.03	228	139925	7.712	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	75900	4.981	ng	95
88) Benzo(b)fluoranthene	15.04	252	222758	11.149	ng	# 96
89) Benzo(k)fluoranthene	15.04	252	222758	11.447	ng	# 96
90) Benzo(a)pyrene	15.41	252	115746	6.481	ng	98
92) Benzo(a,h,i)perylene	17.40	276	69510	4.578	ng	95

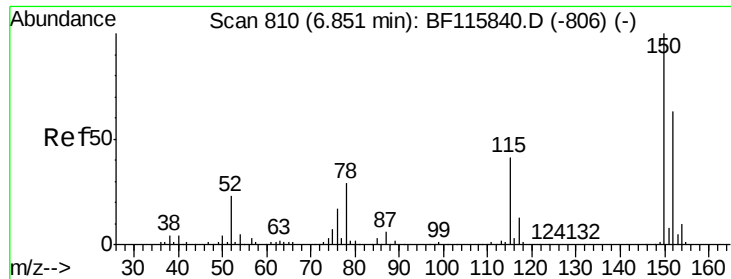
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampled :

SP-7

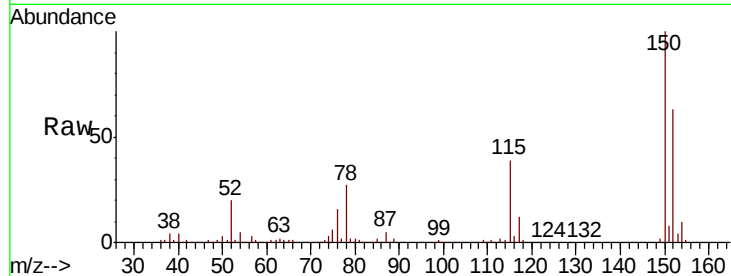
Tot Ion:152 Resp: 125370

Ion Ratio Lower Upper

152 100

150 157.9 126.2 189.2

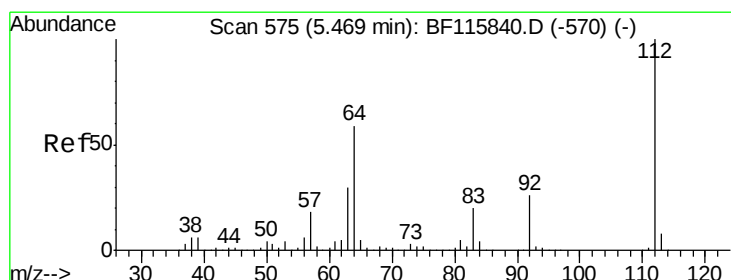
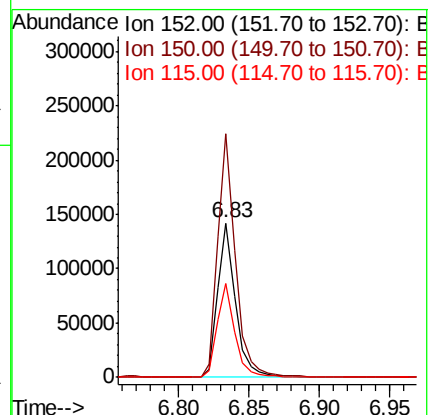
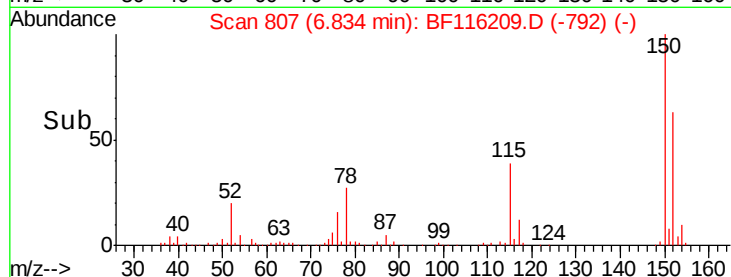
115 61.2 49.9 74.9



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: 85.234 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

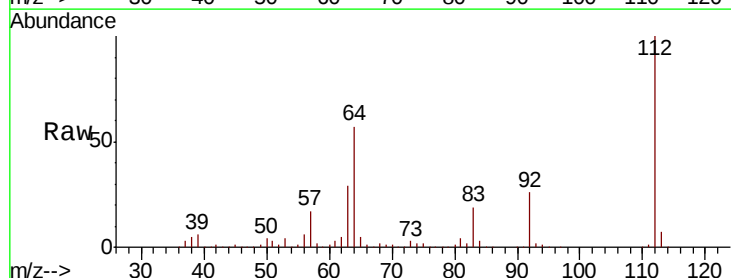
Tgt Ion:112 Resp: 638313

Ion Ratio Lower Upper

112 100

64 56.7 45.4 68.2

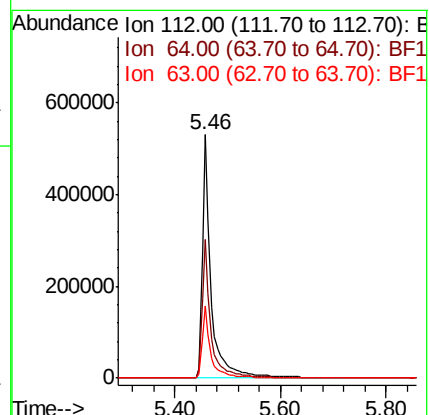
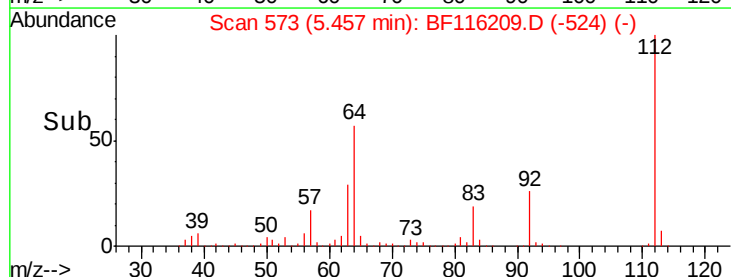
63 29.5 23.7 35.5

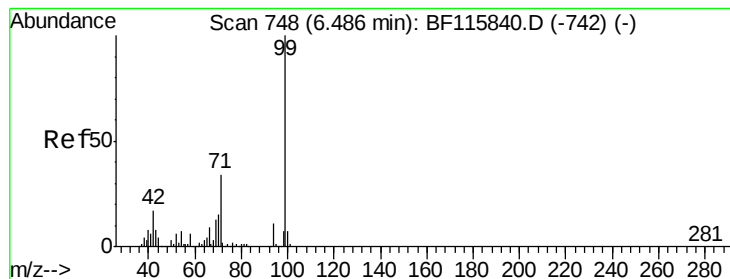


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.318 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampled :

SP-7

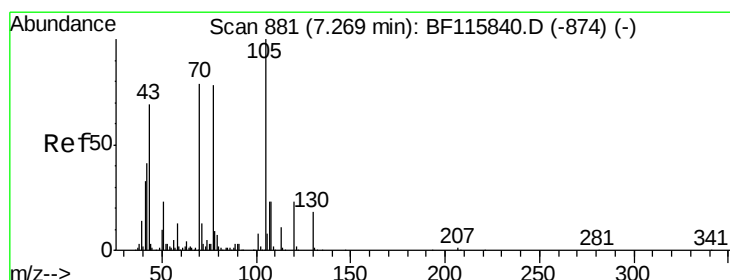
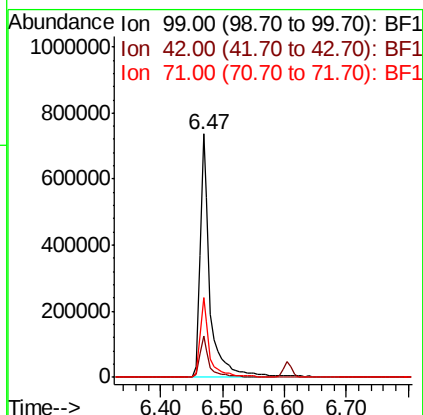
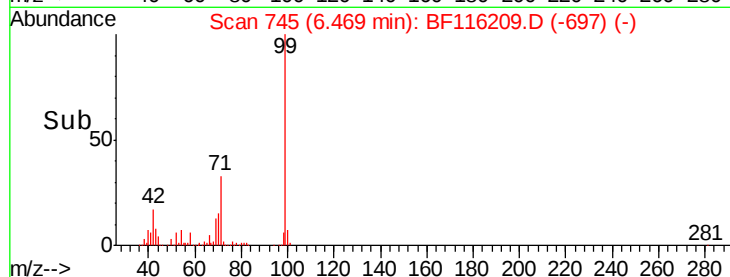
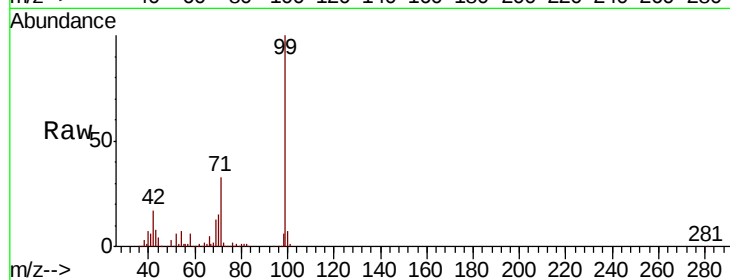
Tot Ion: 99 Resp: 853386

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

71 32.9 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 11.801 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.12 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Tgt Ion: 70 Resp: 69098

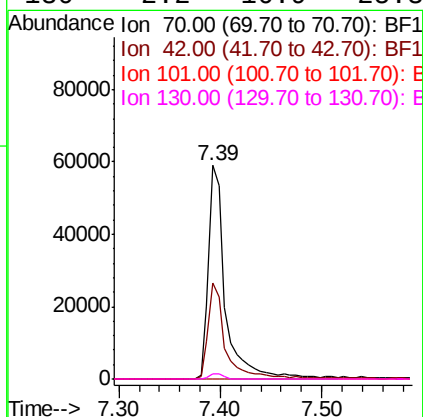
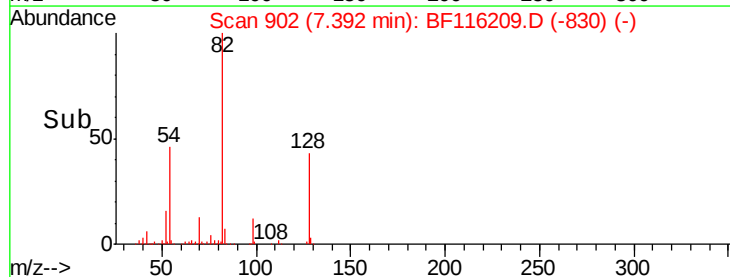
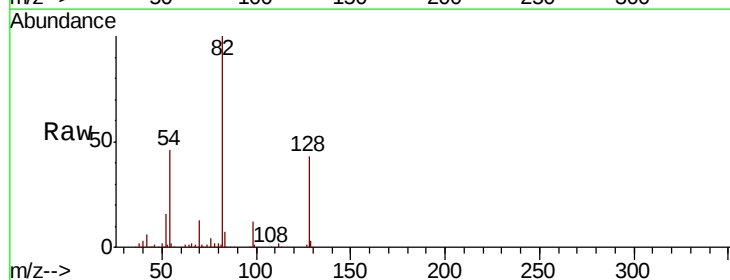
Ion Ratio Lower Upper

70 100

42 44.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

Tot Ion:136 Resp: 493463

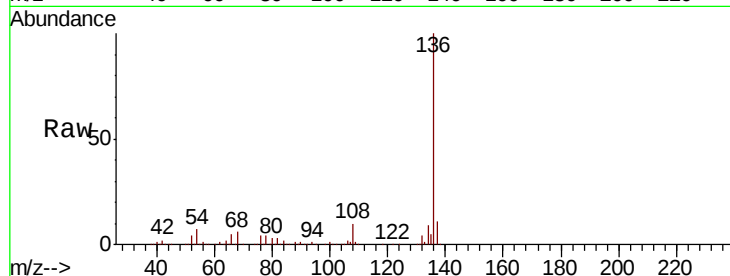
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.5 5.8 8.6

68 5.8 5.2 7.8

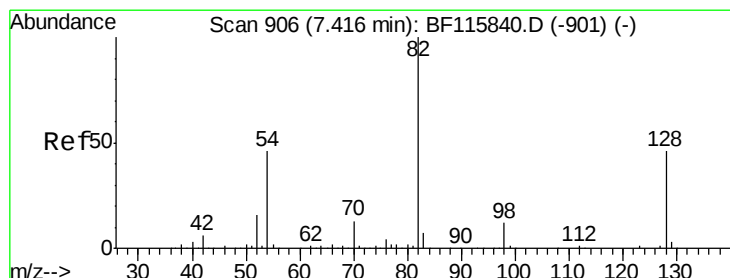
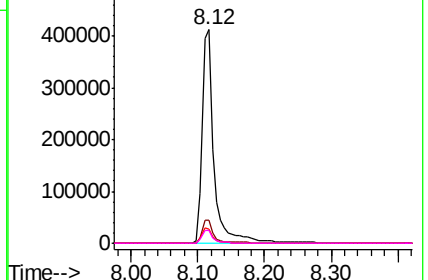
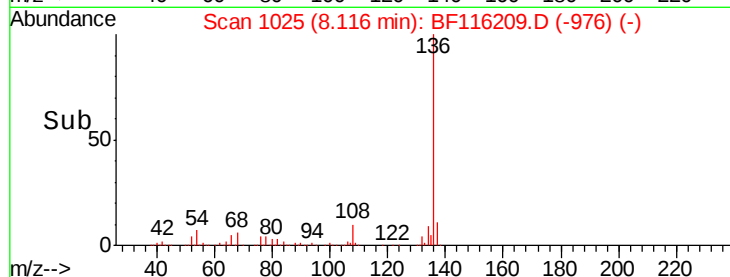


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.564 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

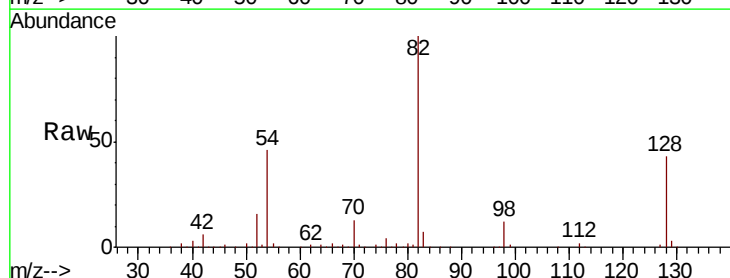
Tgt Ion: 82 Resp: 526298

Ion Ratio Lower Upper

82 100

128 43.5 36.5 54.7

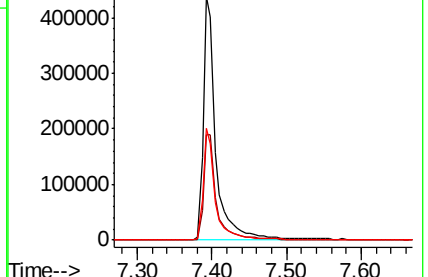
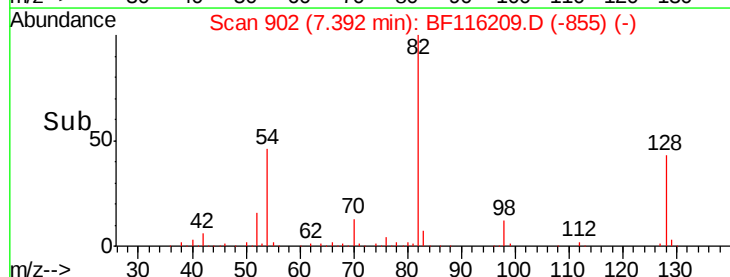
54 46.1 36.0 54.0



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: 32.196 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

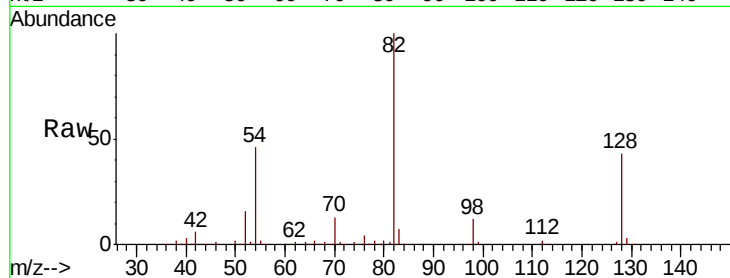
Tot Ion: 82 Resp: 526294

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

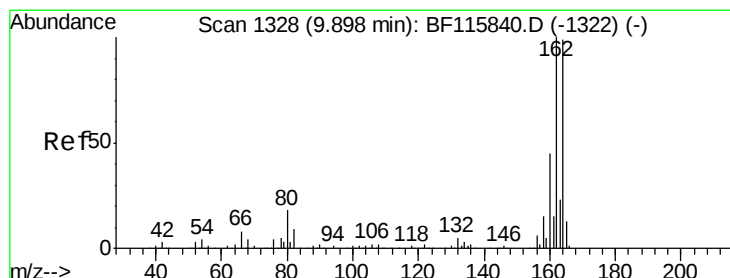
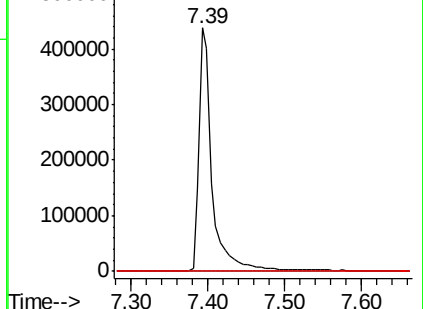
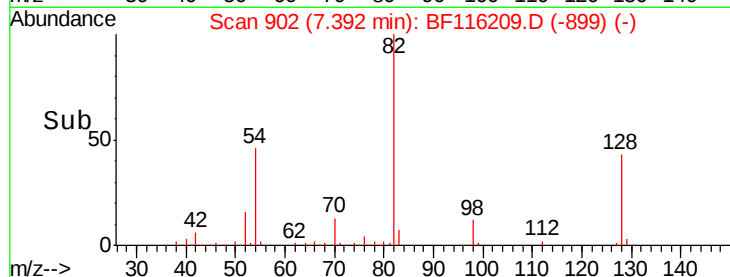
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

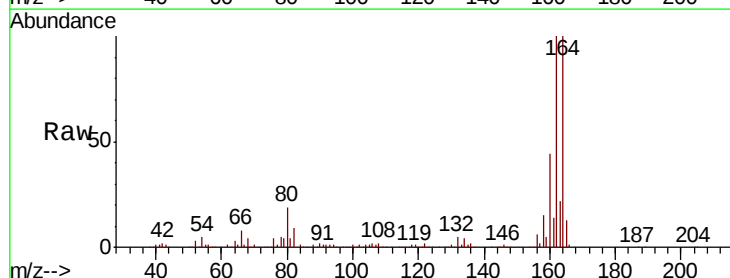
Tgt Ion: 164 Resp: 270412

Ion Ratio Lower Upper

164 100

162 100.5 82.6 124.0

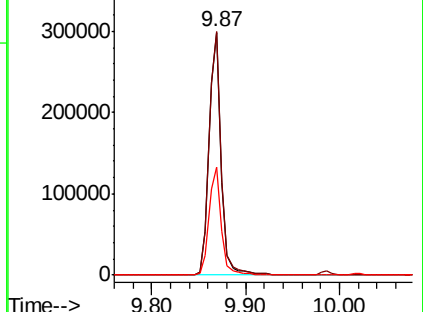
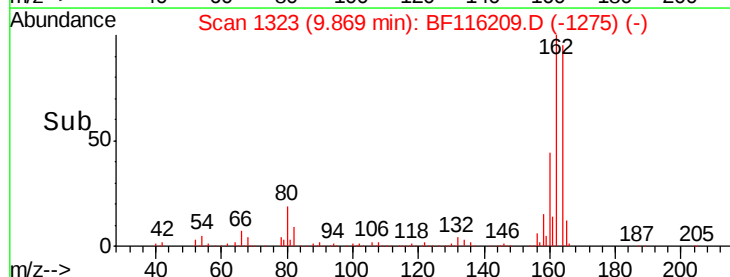
160 44.5 37.6 56.4



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

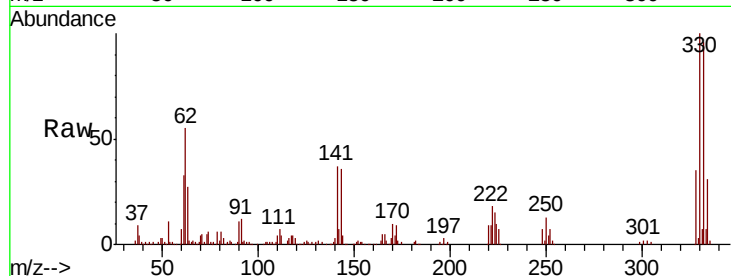




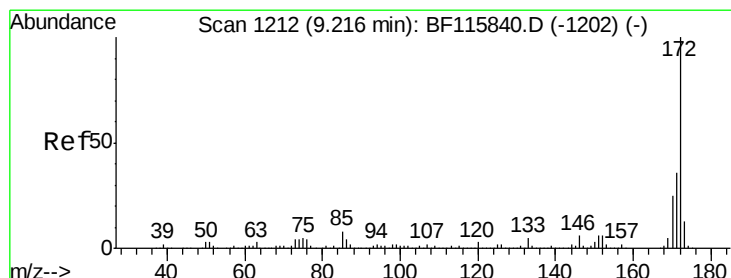
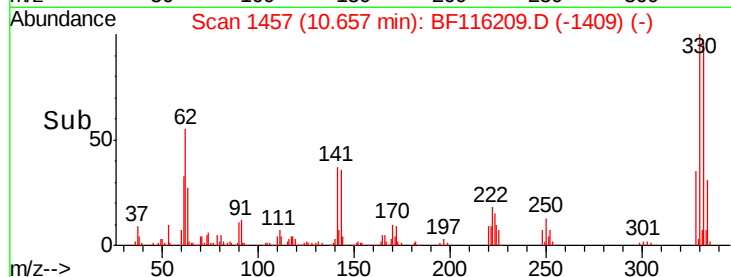
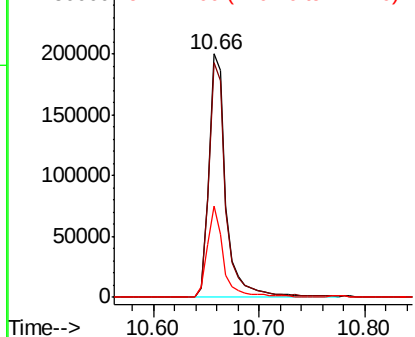
#42
 2,4,6-Tribromophenol
 Concen: 87.189 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF116209.D
 Acq: 13 Aug 2019 00:35

Instrument :
 BNA_F
 ClientSampled :
 SP-7

Tot Ion:330 Resp: 228584
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.8 115.2
 141 35.6 26.3 39.5

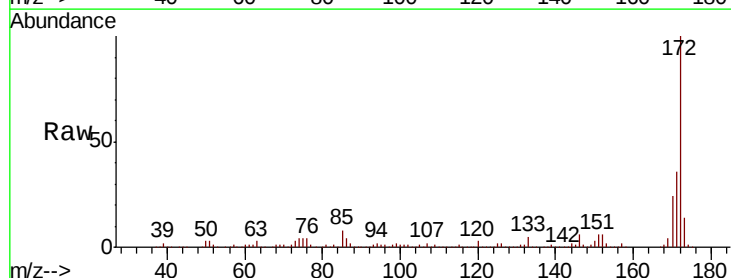


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

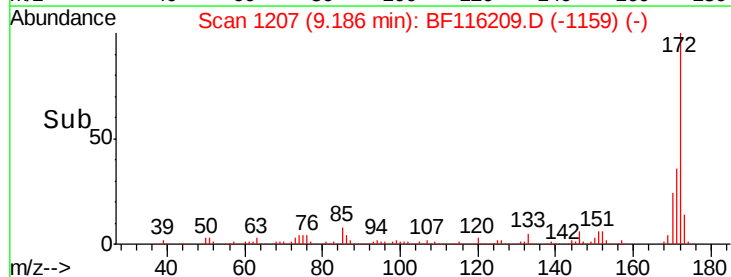
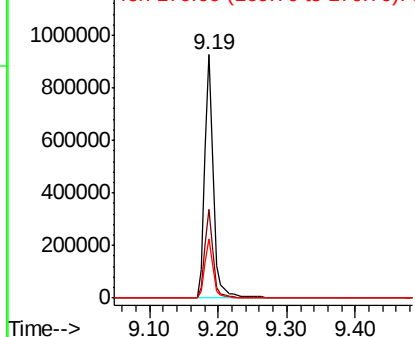


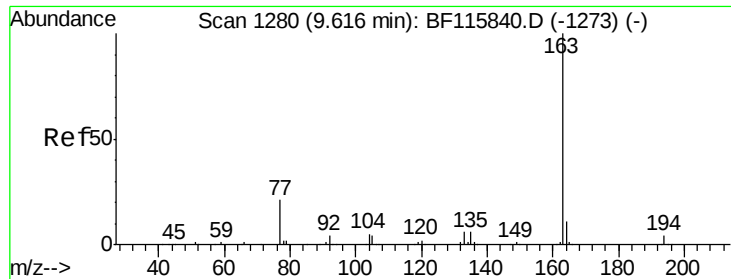
#45
 2-Fluorobiphenyl
 Concen: 59.653 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116209.D
 Acq: 13 Aug 2019 00:35

Tgt Ion:172 Resp: 861192
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.4 20.1 30.1



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

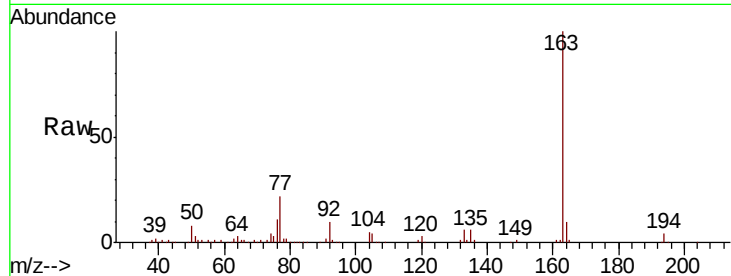




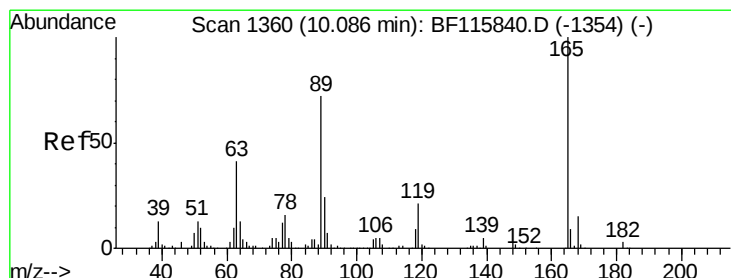
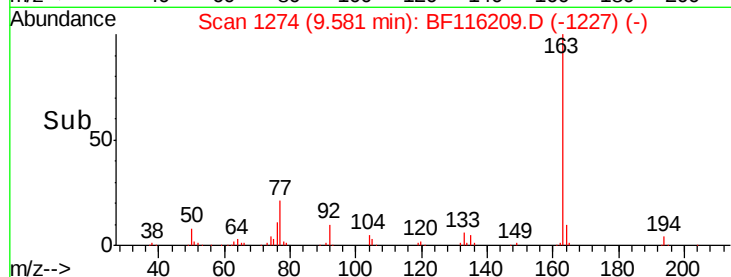
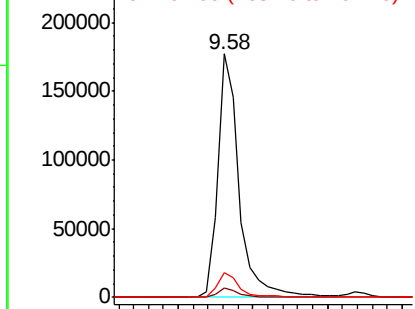
#50
Dimethylphthalate
Concen: 9.652 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF116209.D
Acq: 13 Aug 2019 00:35

Instrument :
BNA_F
ClientSampled :
SP-7

Tot Ion:163 Resp: 177706
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.3 8.4 12.6

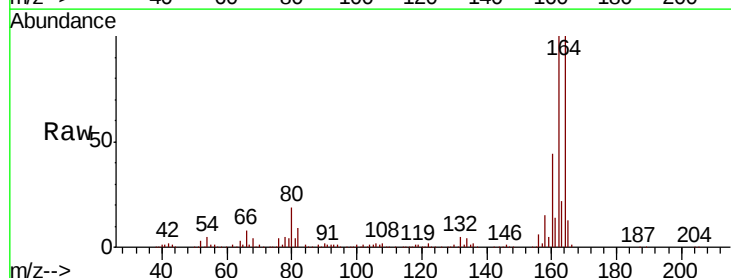


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

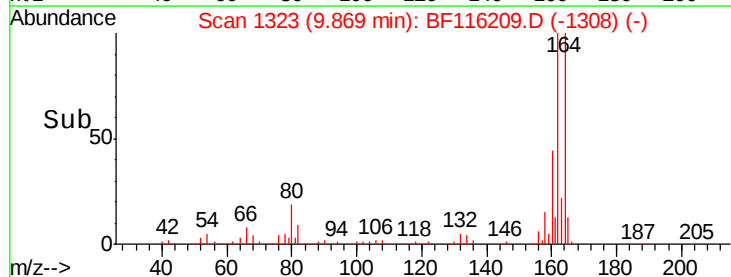
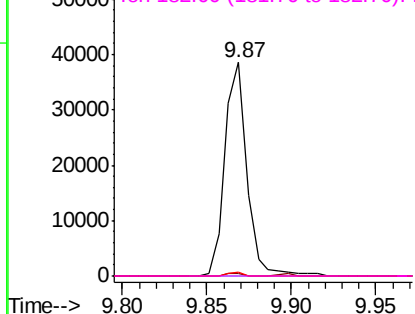


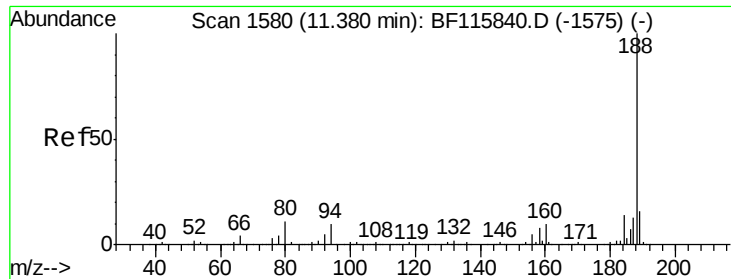
#57
2,4-Dinitrotoluene
Concen: 6.607 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF116209.D
Acq: 13 Aug 2019 00:35

Tgt Ion:165 Resp: 35200
Ion Ratio Lower Upper
165 100
63 1.4 39.6 59.4#
89 1.7 62.2 93.2#
182 0.0 2.1 3.1#



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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

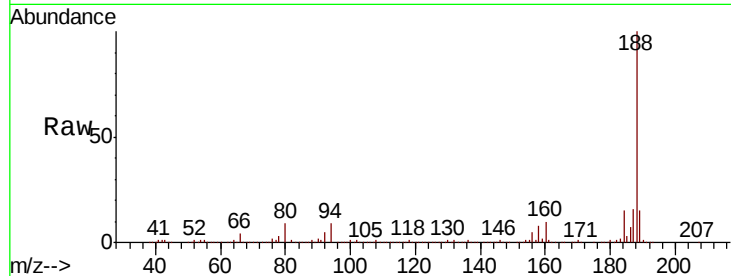
Tot Ion:188 Resp: 470359

Ion Ratio Lower Upper

188 100

94 9.1 8.1 12.1

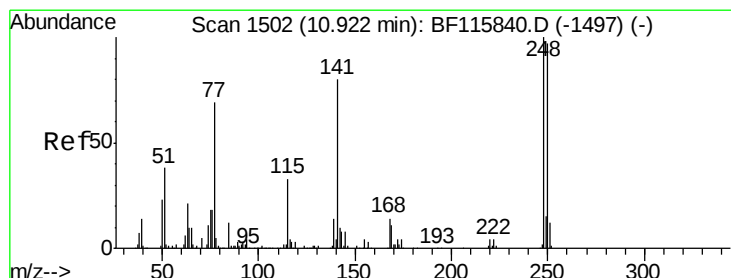
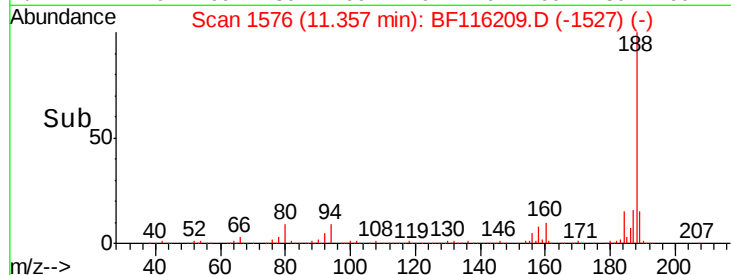
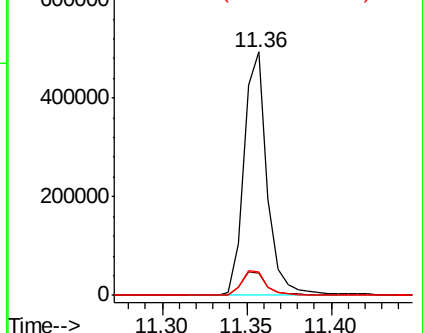
80 9.5 8.7 13.1



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: 2.789 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

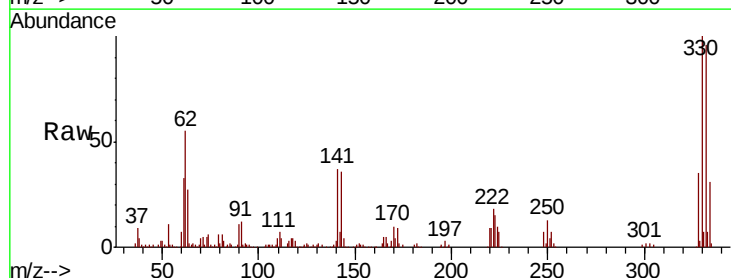
Tgt Ion:248 Resp: 14042

Ion Ratio Lower Upper

248 100

250 195.8 77.4 116.2#

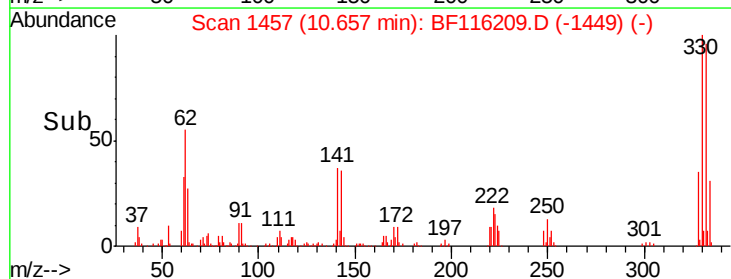
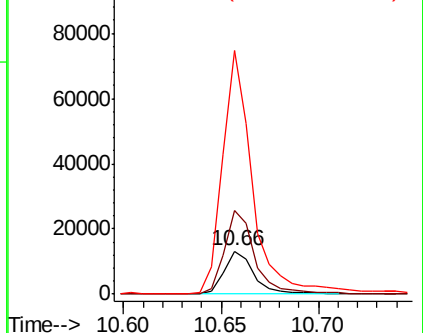
141 569.3 56.8 85.2#

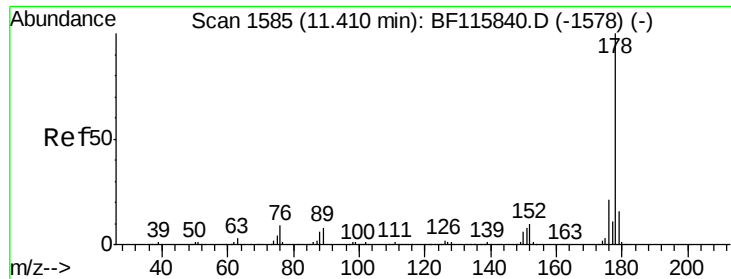


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.193 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

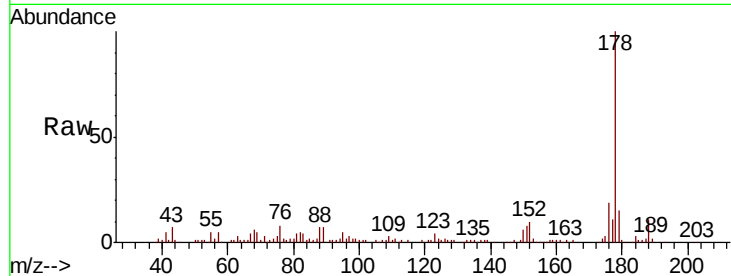
Tot Ion:178 Resp: 100818

Ion Ratio Lower Upper

178 100

176 18.6 16.6 24.8

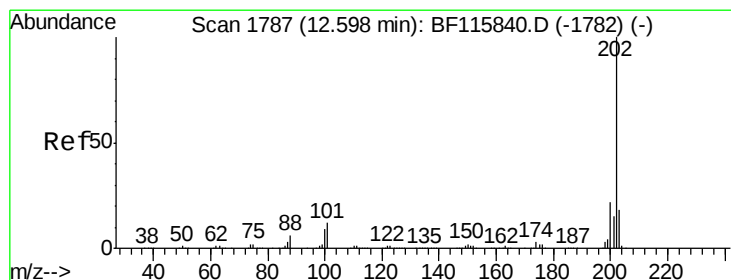
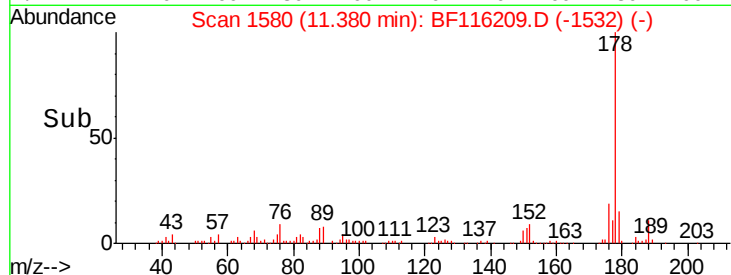
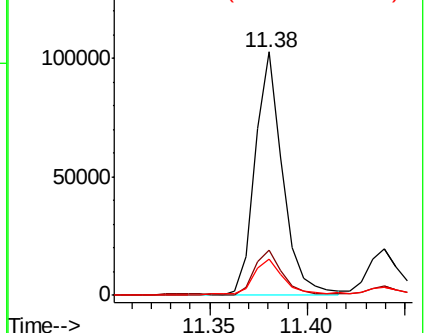
179 14.9 12.5 18.7



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: 10.103 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

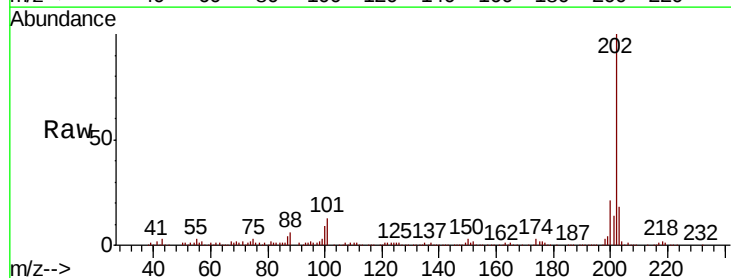
Tgt Ion:202 Resp: 254338

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.2

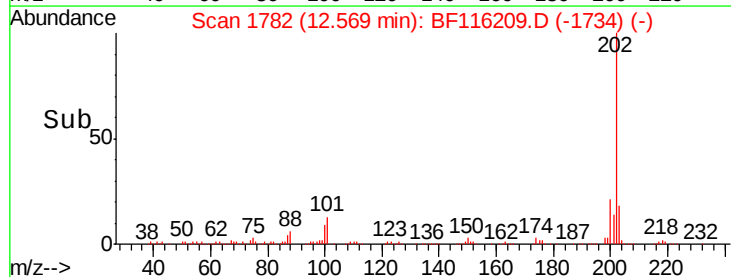
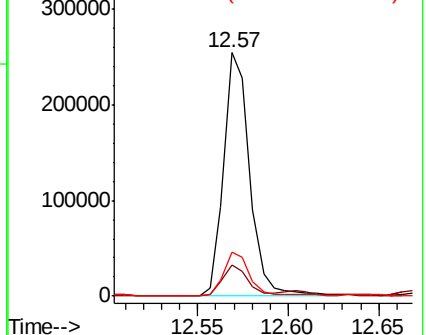
203 17.8 0.0 37.8

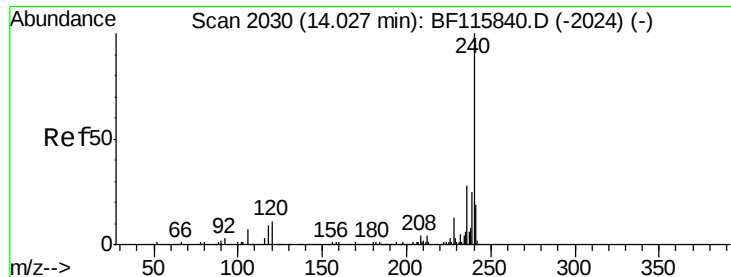


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

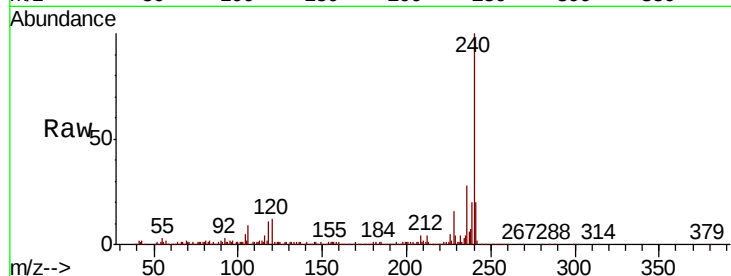
Tot Ion:240 Resp: 292383

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

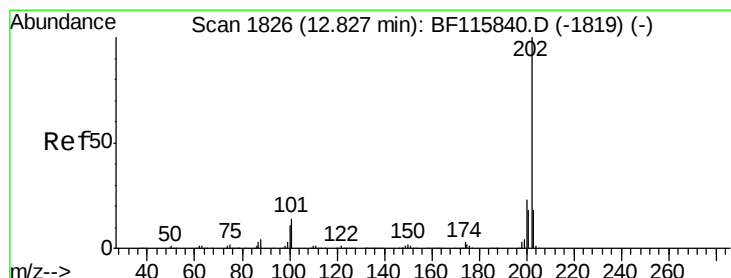
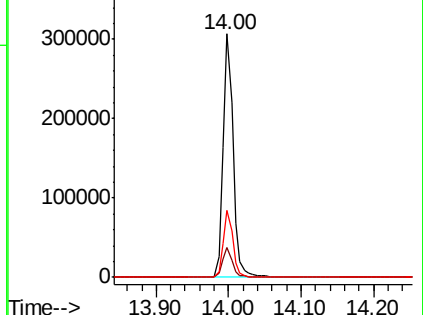
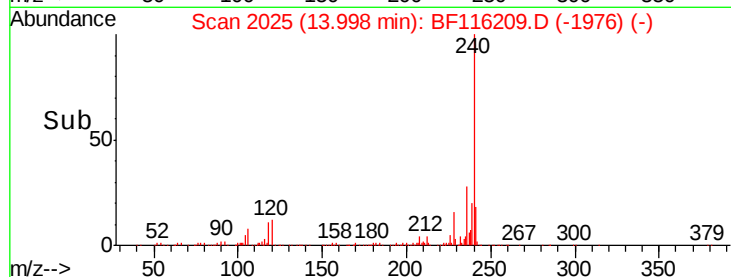
236 27.7 22.2 33.2



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: 10.992 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

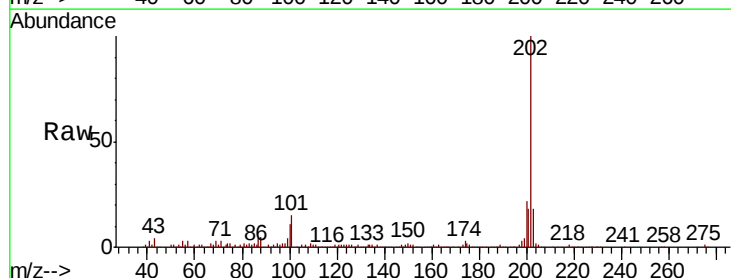
Tgt Ion:202 Resp: 242265

Ion Ratio Lower Upper

202 100

200 21.8 18.0 27.0

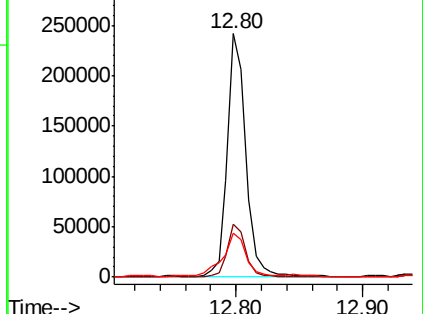
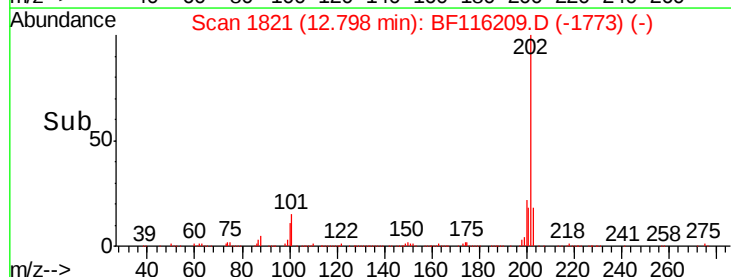
203 18.2 14.1 21.1

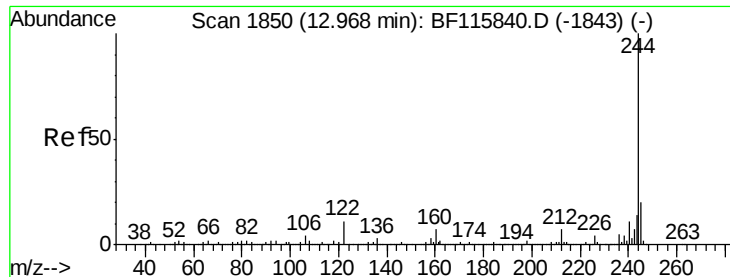


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.383 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampled :

SP-7

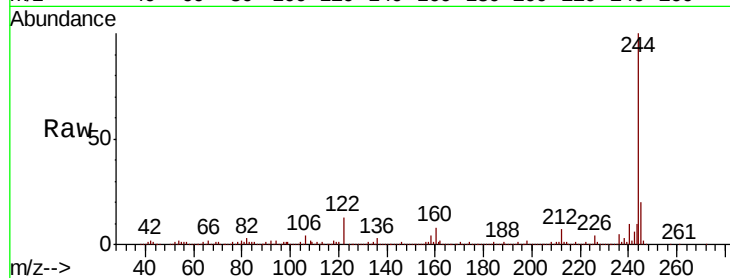
Tot Ion:244 Resp: 823973

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

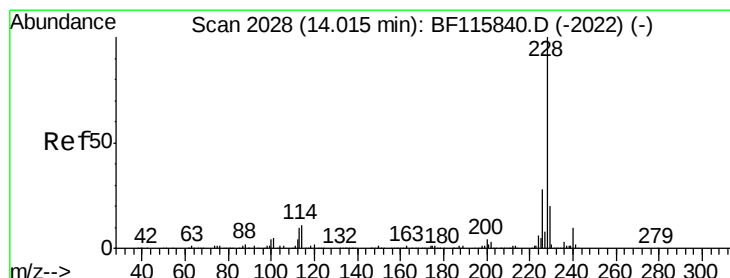
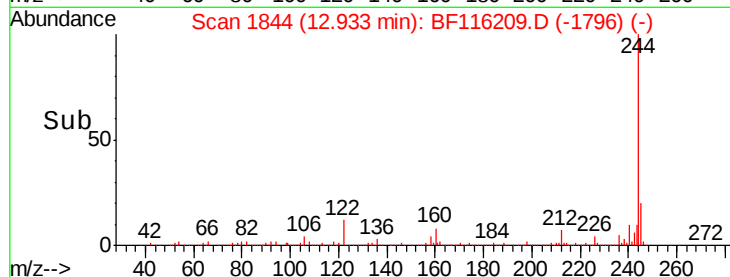
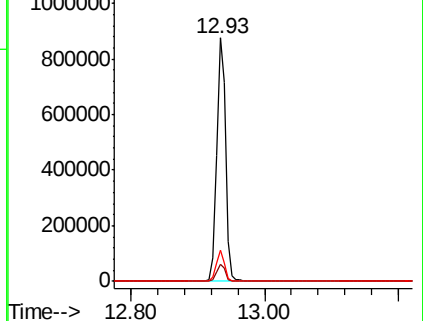
122 12.5 9.0 13.4



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: 7.286 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

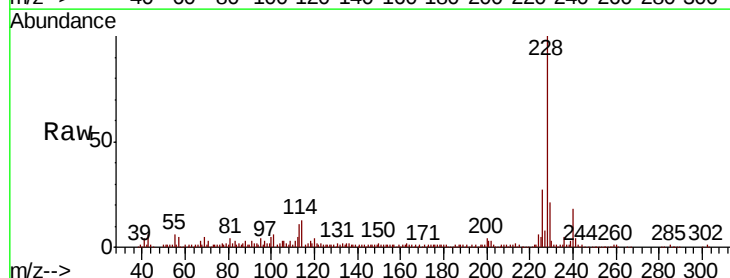
Tgt Ion:228 Resp: 136164

Ion Ratio Lower Upper

228 100

226 27.1 22.7 34.1

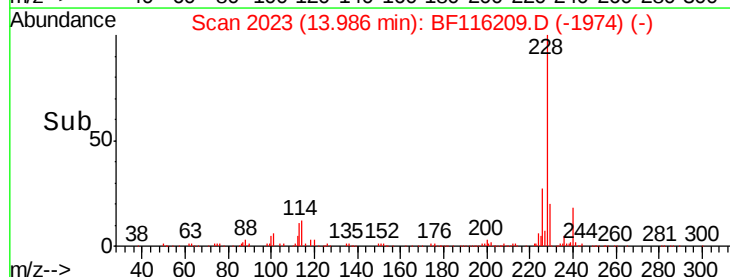
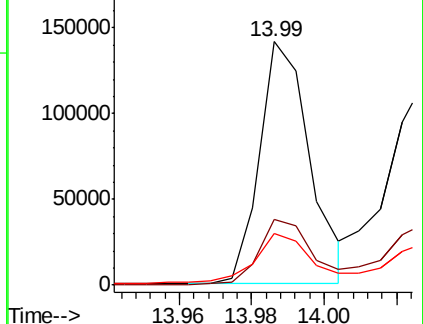
229 21.1 16.2 24.4

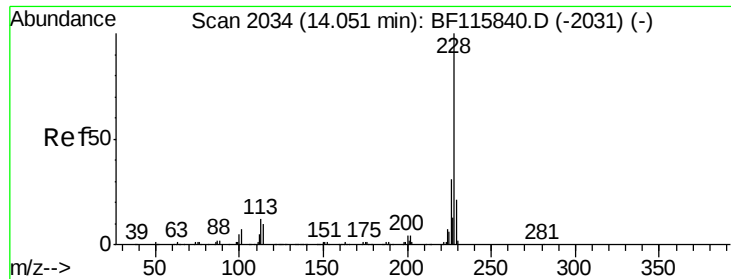


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

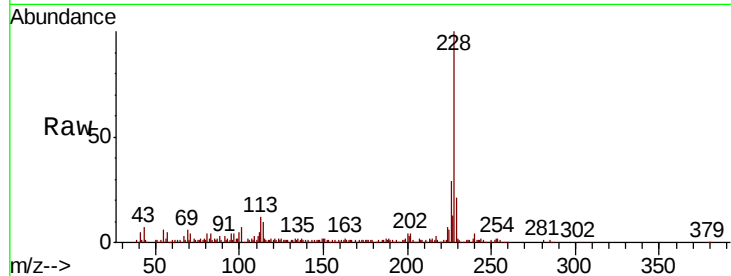




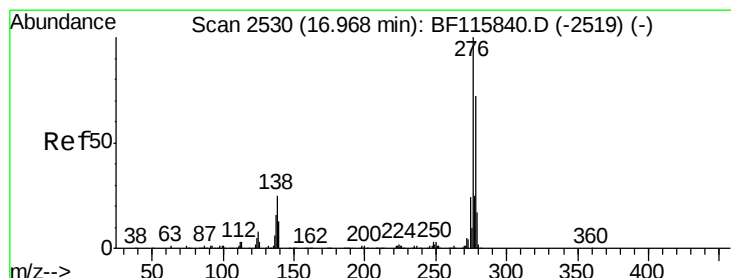
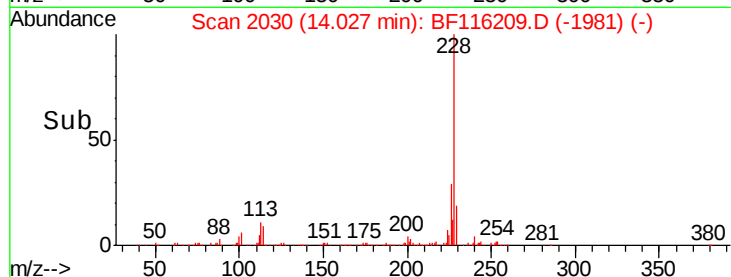
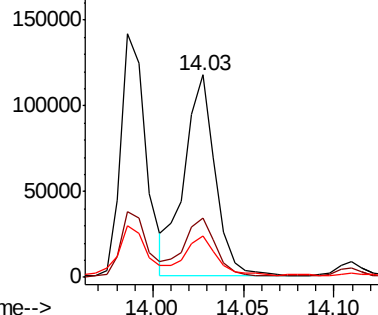
#83
Chrysene
Concen: 7.712 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116209.D
Acq: 13 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SP-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.5	38.3
229	20.6	16.6	24.8

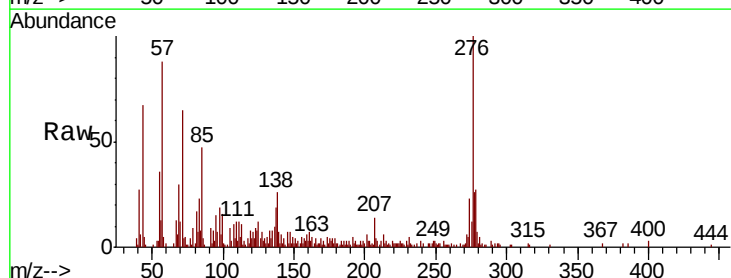


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

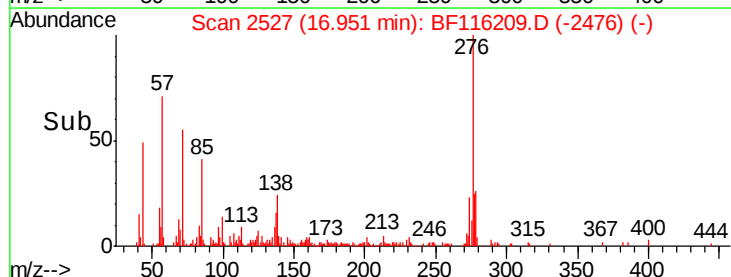
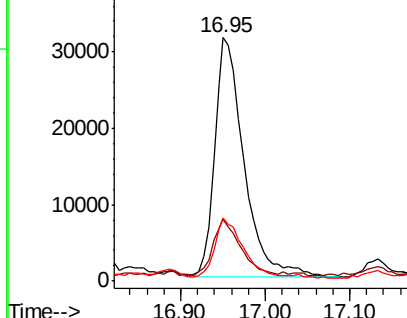


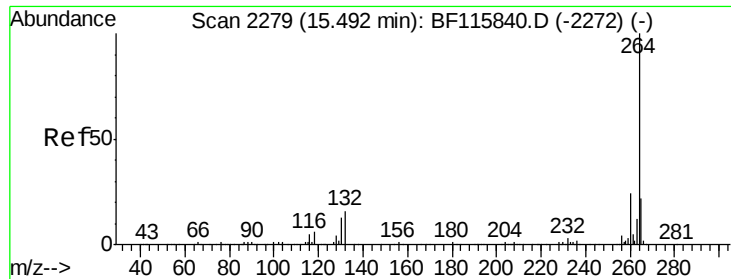
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.981 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF116209.D
Acq: 13 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.4	30.6
277	23.6	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

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

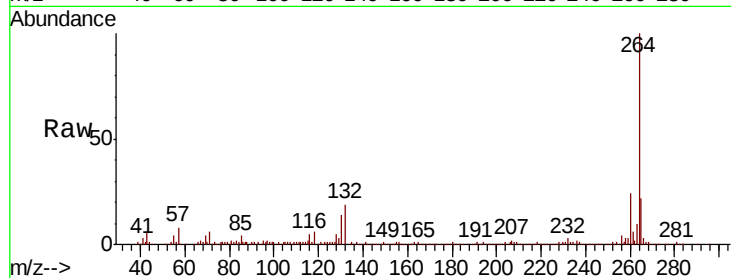
Tot Ion:264 Resp: 345537

Ion Ratio Lower Upper

264 100

260 23.8 19.7 29.5

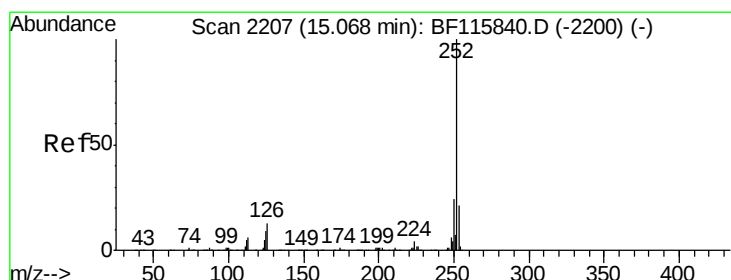
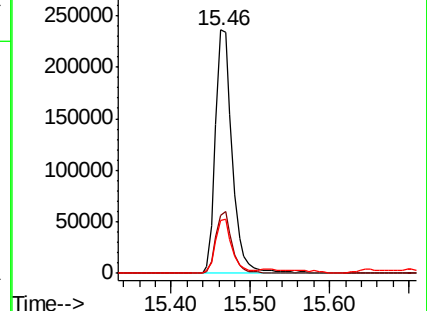
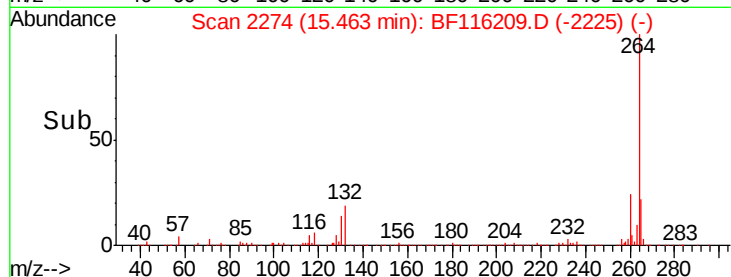
265 22.0 17.4 26.0



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: 11.149 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

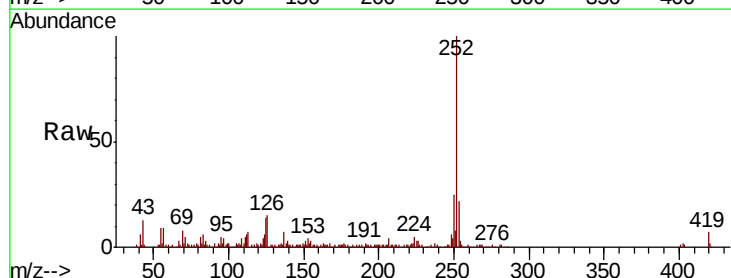
Tgt Ion:252 Resp: 222758

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

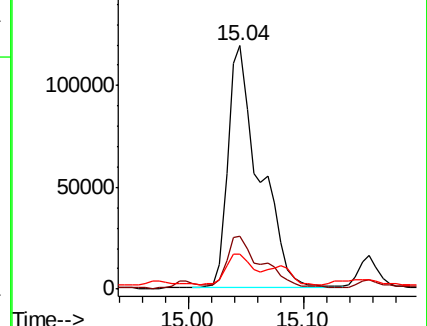
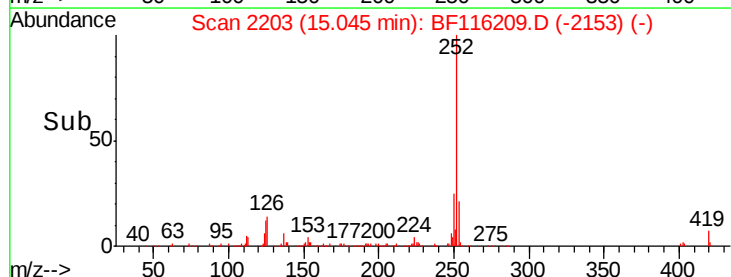
125 14.2 8.4 12.6#

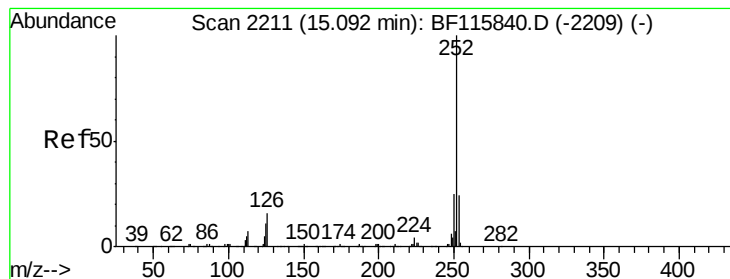


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.447 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SP-7

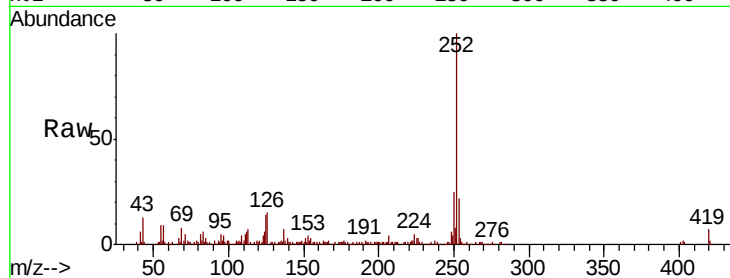
Tot Ion:252 Resp: 222758

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

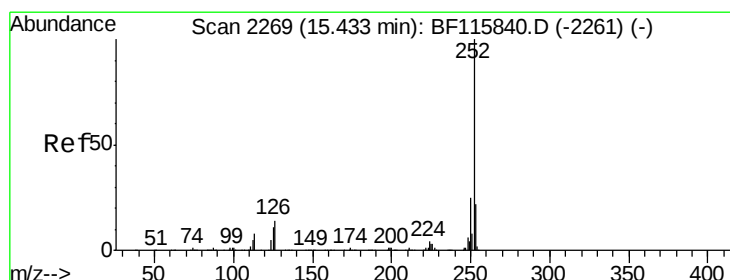
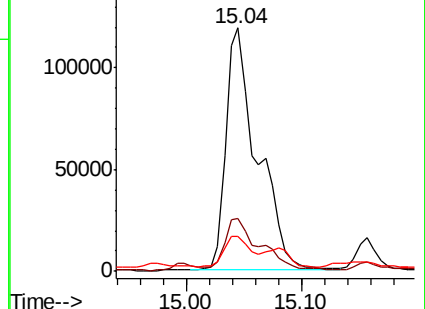
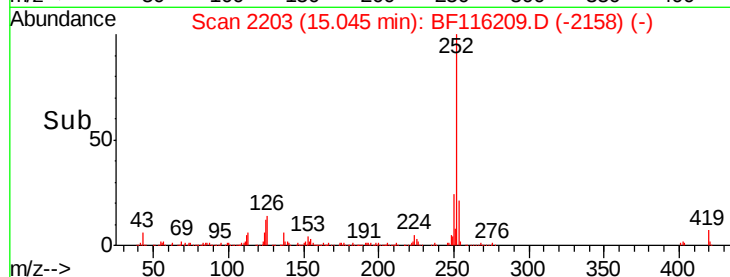
125 14.2 7.7 11.5#



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: 6.481 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF116209.D

Acq: 13 Aug 2019 00:35

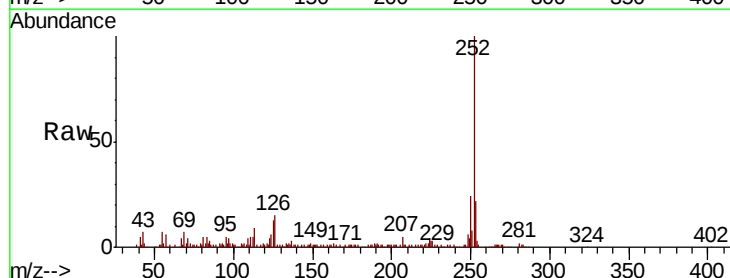
Tgt Ion:252 Resp: 115746

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

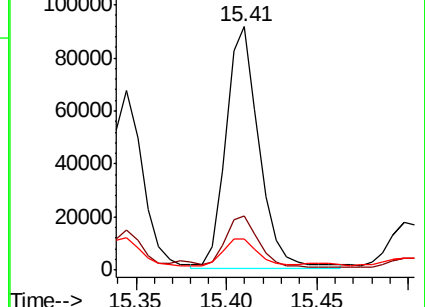
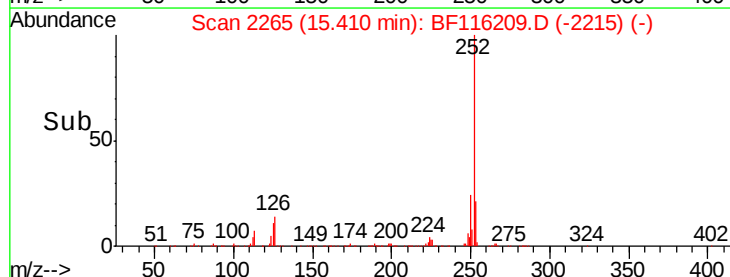
125 12.9 8.9 13.3

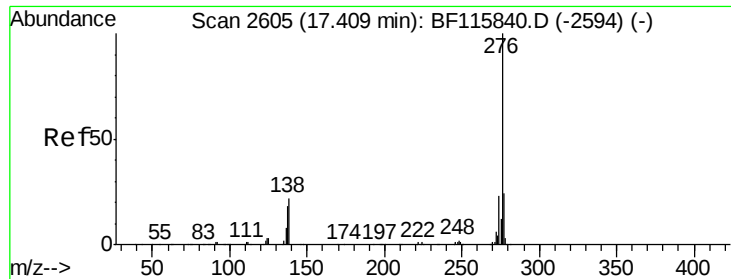


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 4.578 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.02 min
 Lab File: BF116209.D
 Acq: 13 Aug 2019 00:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Tot Ion: 276 Resp: 69510
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.4 27.6
 138 24.2 17.0 25.6

