

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116035.D
 Acq On : 7 Aug 2019 3:12
 Operator : HP/JU
 Sample : K4162-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 06:06:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

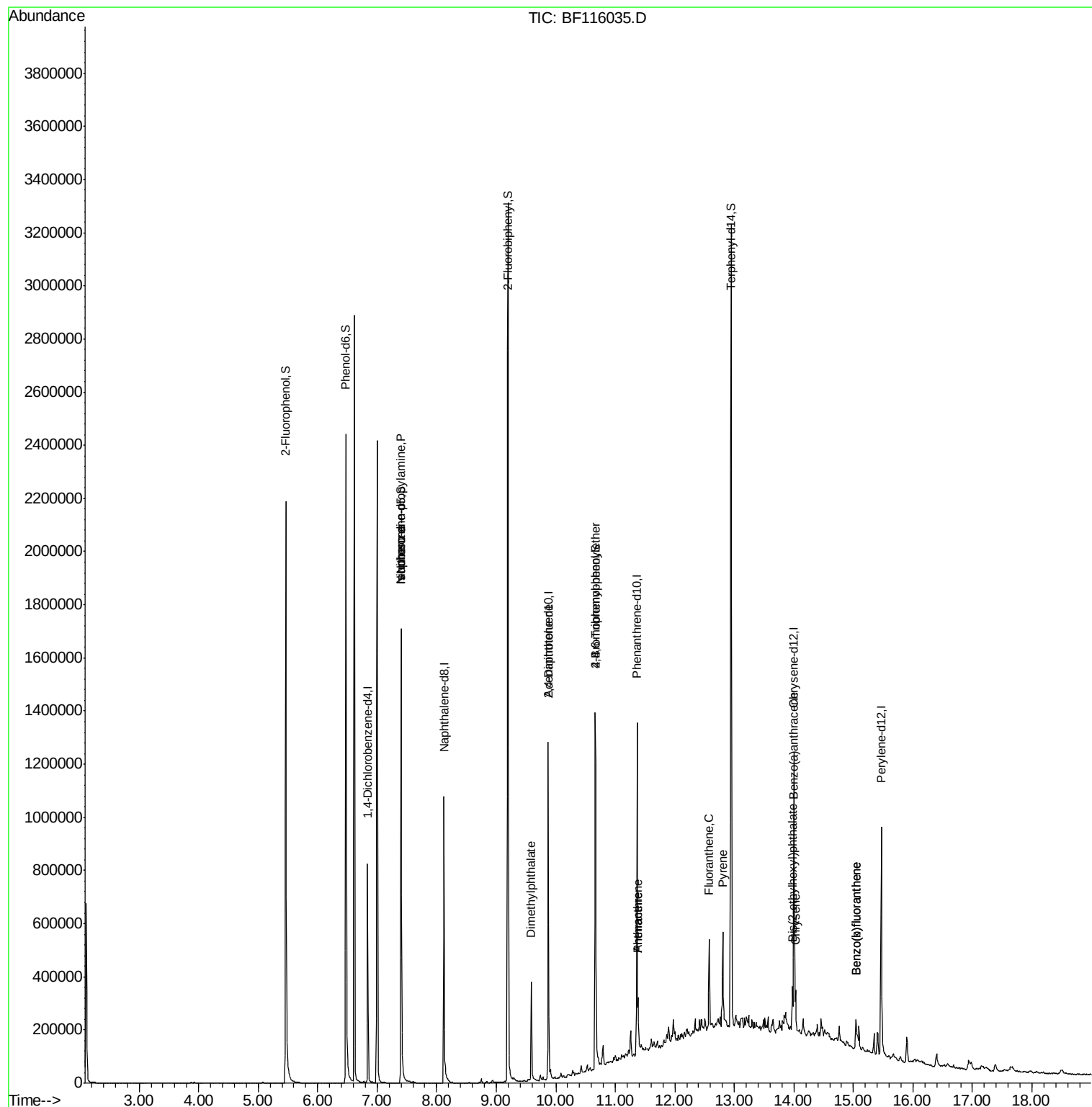
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	133695	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	508578	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	264024	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	434851	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	313102	20.00	ng	-0.02
87) Perylene-d12	15.47	264	391335	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	730520	91.47	ng	0.00
7) Phenol-d6	6.47	99	966382	95.91	ng	-0.01
23) Nitrobenzene-d5	7.40	82	622341	70.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	186013	72.67	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1096521	77.79	ng	-0.02
79) Terphenyl-d14	12.94	244	1018291	68.53	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	80684	12.922	ng	# 79
25) Isophorone	7.40	82	622338	36.940	ng	# 66
50) Dimethylphthalate	9.59	163	175372	9.755	ng	98
57) 2,4-Dinitrotoluene	9.87	165	35036	6.736	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	10917	2.345	ng	# 1
71) Phenanthrene	11.39	178	73680	3.314	ng	98
72) Anthracene	11.39	178	73680	3.275	ng	99
75) Fluoranthene	12.57	202	141461	6.078	ng	98
78) Pyrene	12.80	202	152798	6.474	ng	99
81) Benzo(a)anthracene	13.99	228	53484	2.673	ng	99
83) Chrysene	14.03	228	58205	2.996	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	45272	3.489	ng	98
88) Benzo(b)fluoranthene	15.04	252	83574	3.693	ng	# 92
89) Benzo(k)fluoranthene	15.04	252	83857	3.805	ng	# 96

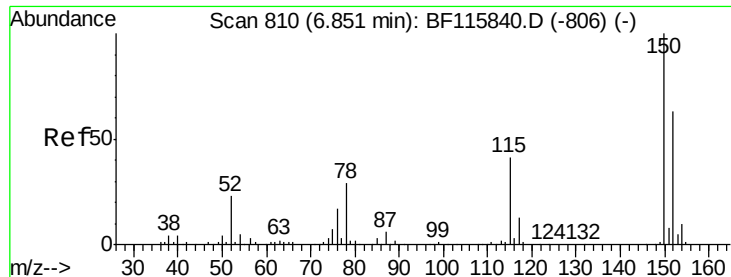
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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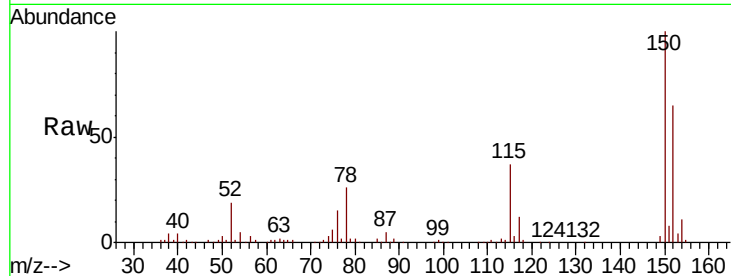


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	127.4	191.0
115	57.6	51.8	77.8

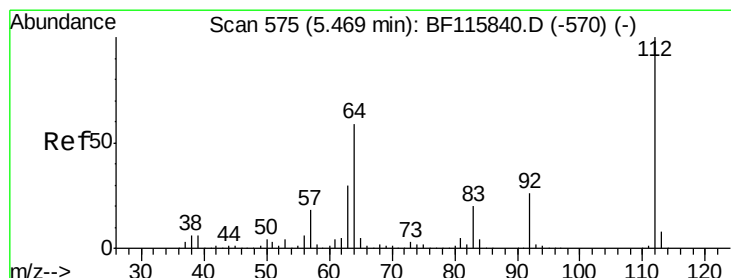
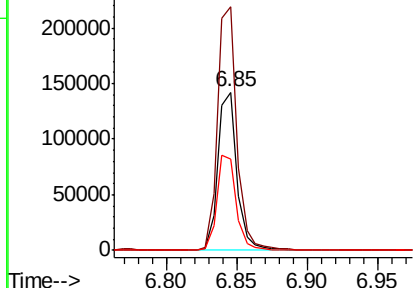
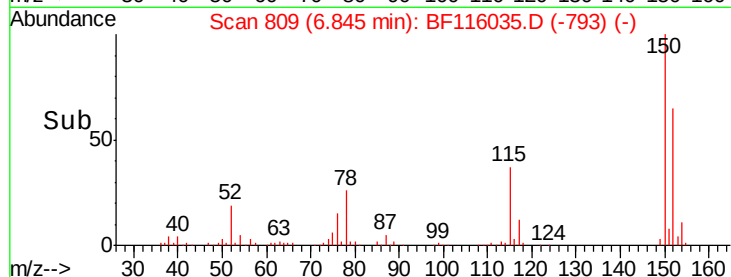


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

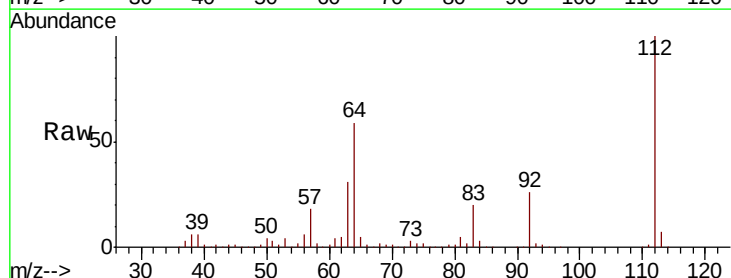
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.472 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.8	70.2
63	31.0	24.2	36.2

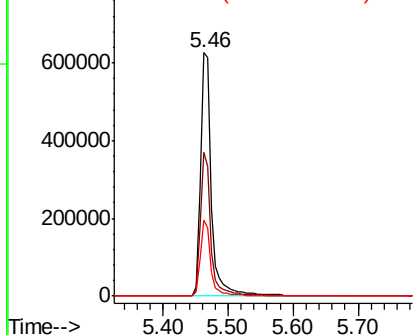
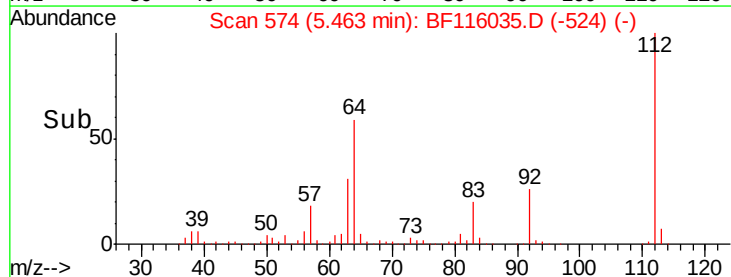


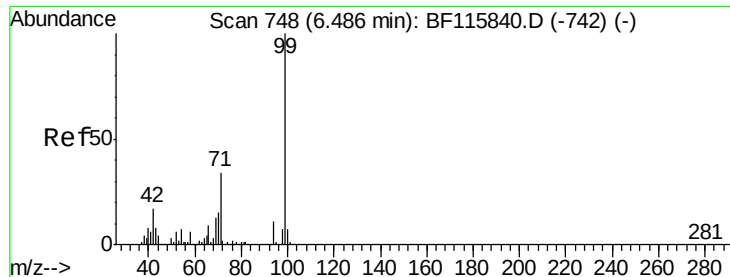
Abundance

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: 95.909 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampled :

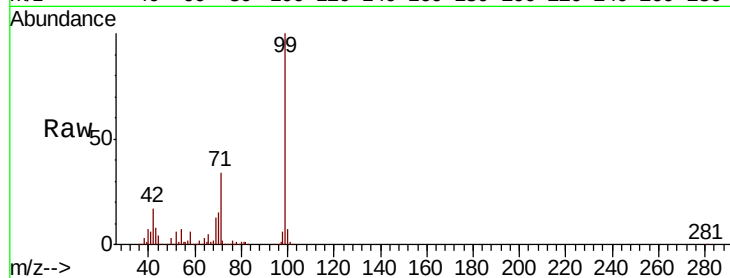
Tot Ion: 99 Resp: 966382

Ion Ratio Lower Upper

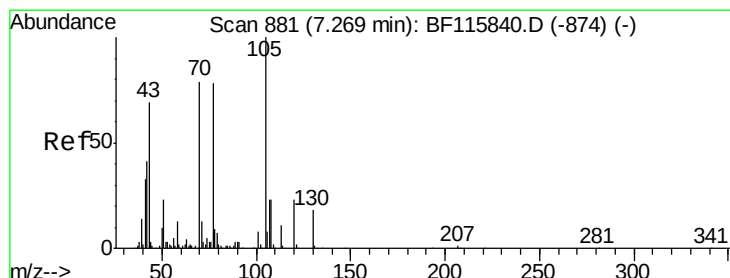
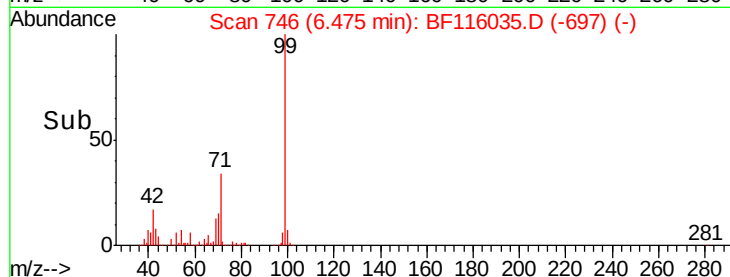
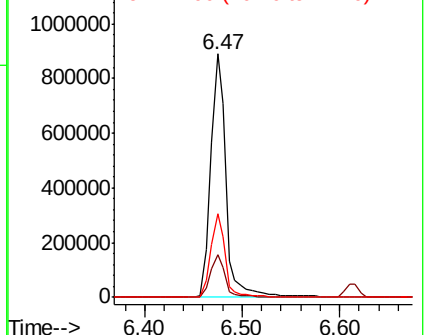
99 100

42 17.5 13.8 20.6

71 34.2 27.1 40.7



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: 12.922 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Tgt Ion: 70 Resp: 80684

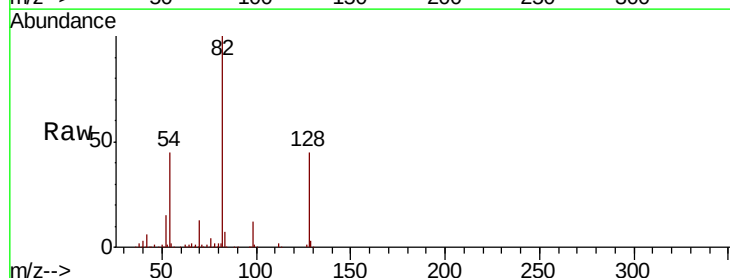
Ion Ratio Lower Upper

70 100

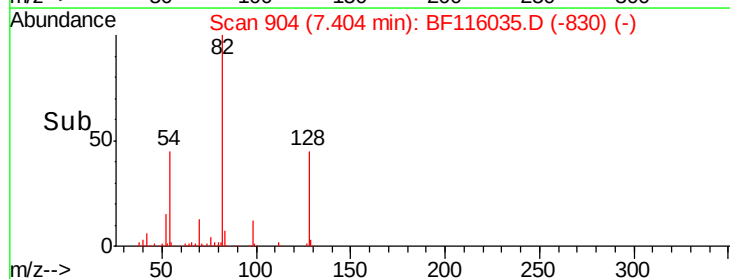
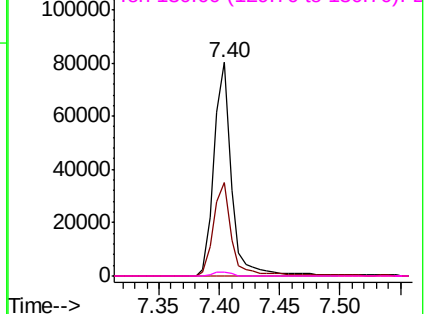
42 44.0 41.8 62.8

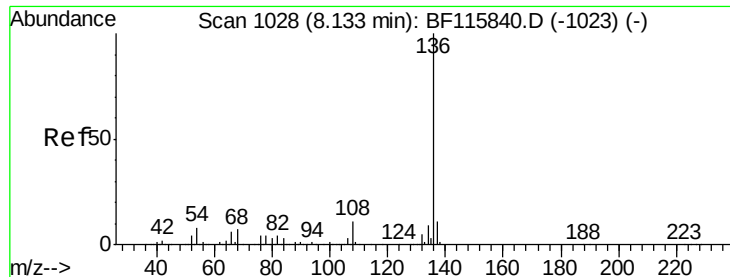
101 0.0 7.7 11.5#

130 2.0 17.8 26.6#



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

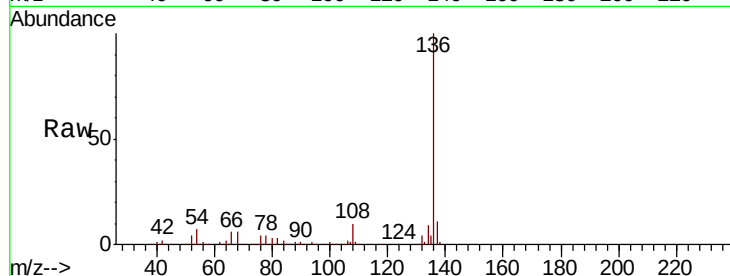




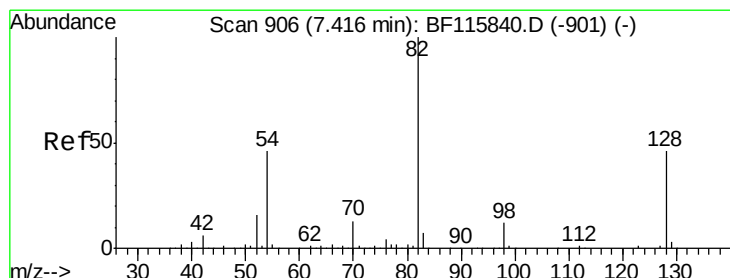
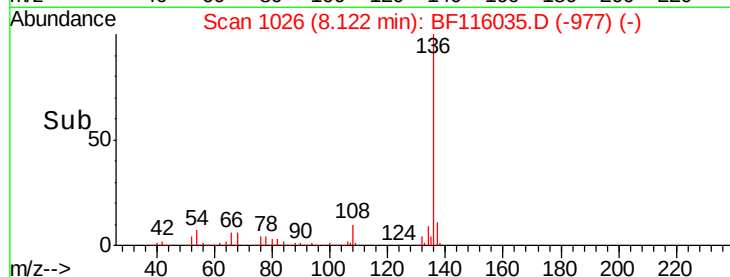
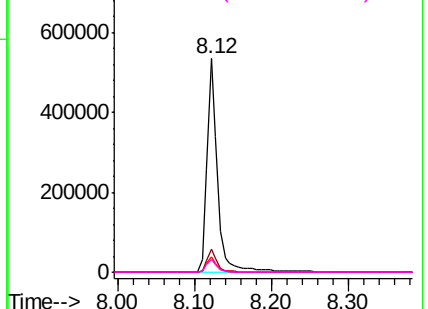
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	508578
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	7.2	6.1 9.1
68	6.2	5.4 8.2

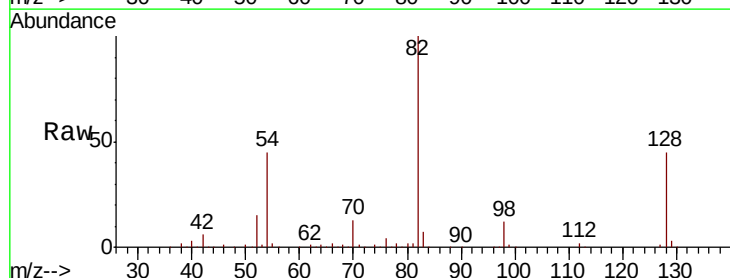


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

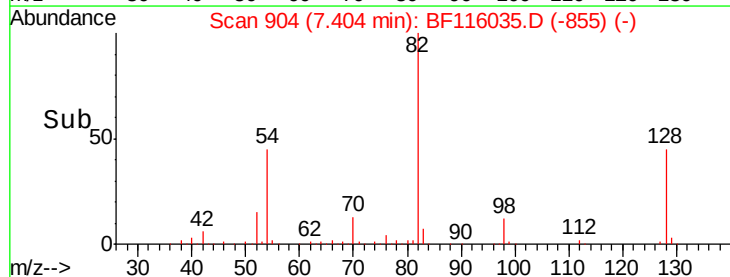
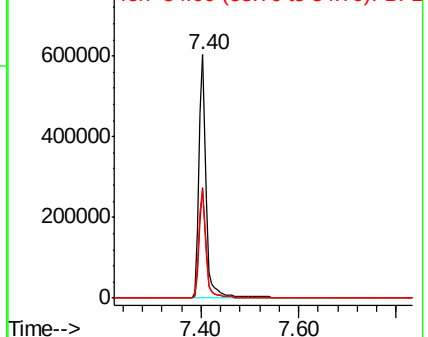


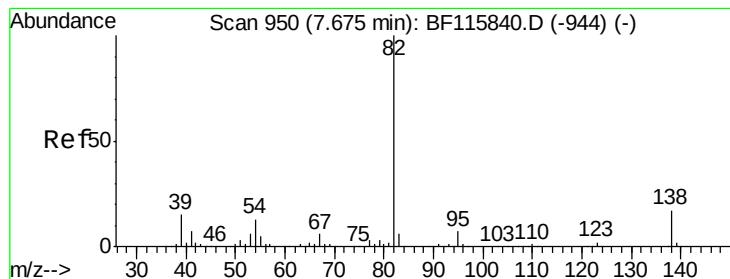
#23
Nitrobenzene-d5
Concen: 70.635 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion: 82	Resp:	622341
Ion Ratio	Lower	Upper
82	100	
128	45.4	36.6 55.0
54	44.5	36.6 55.0



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: 36.940 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampleId :

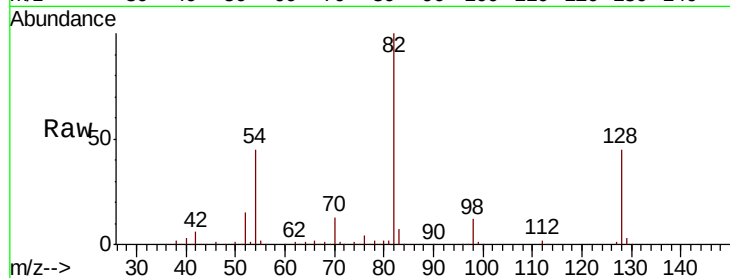
Tot Ion: 82 Resp: 622338

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

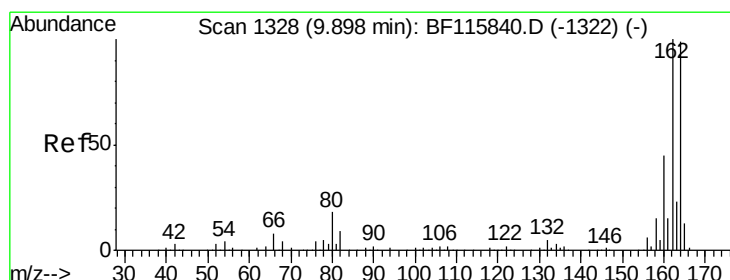
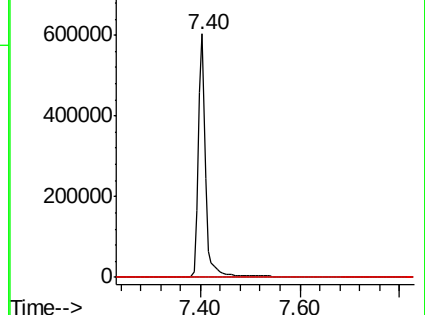
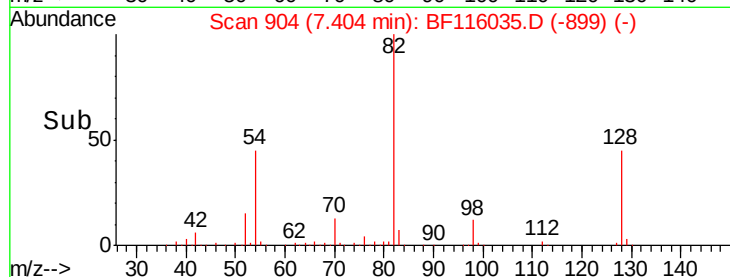
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF116035.D (-899) (-)

Ion 95.00 (94.70 to 95.70): BF116035.D (-899) (-)

Ion 138.00 (137.70 to 138.70): BF116035.D (-899) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

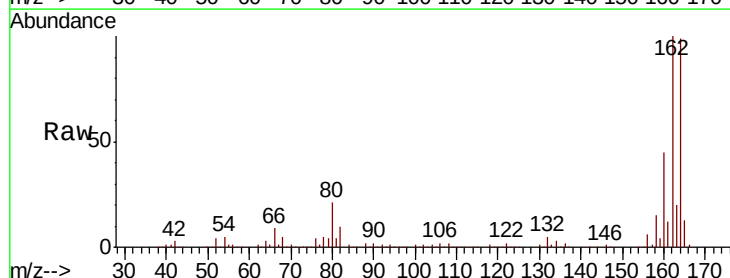
Tgt Ion: 164 Resp: 264024

Ion Ratio Lower Upper

164 100

162 100.5 80.8 121.2

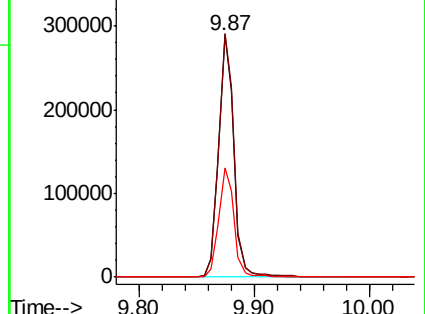
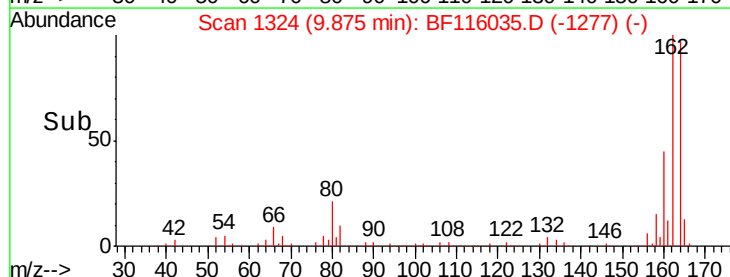
160 44.9 36.2 54.4

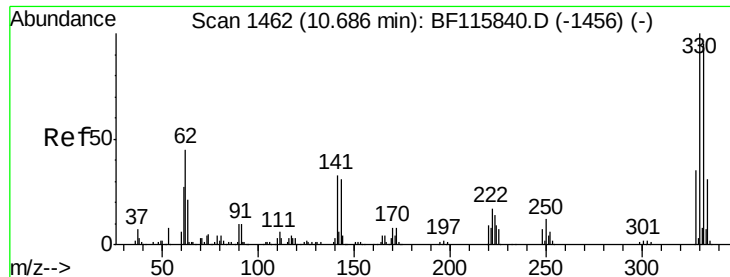


Abundance Ion 164.00 (163.70 to 164.70): BF116035.D (-1277) (-)

Ion 162.00 (161.70 to 162.70): BF116035.D (-1277) (-)

Ion 160.00 (159.70 to 160.70): BF116035.D (-1277) (-)





#42

2,4,6-Tribromophenol

Concen: 72.667 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampled :

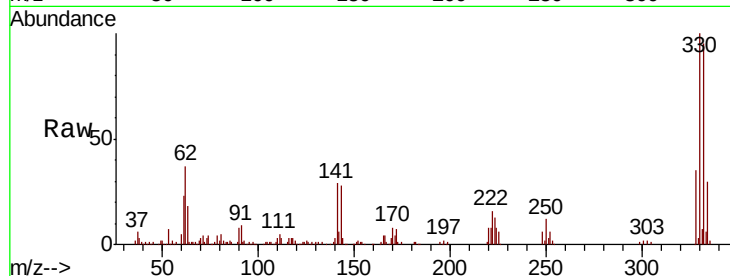
Tot Ion:330 Resp: 186013

Ion Ratio Lower Upper

330 100

332 95.0 77.7 116.5

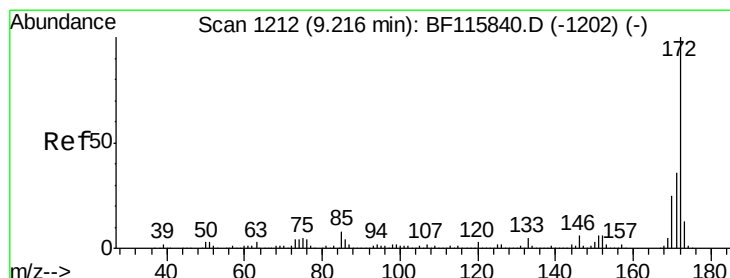
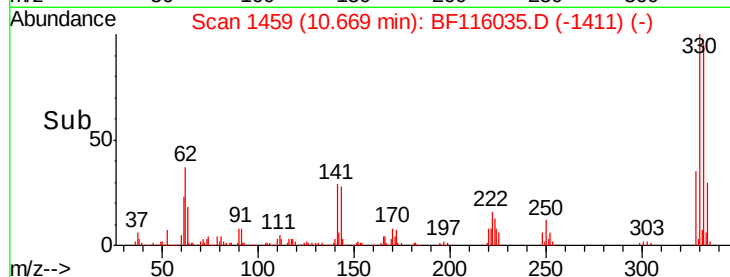
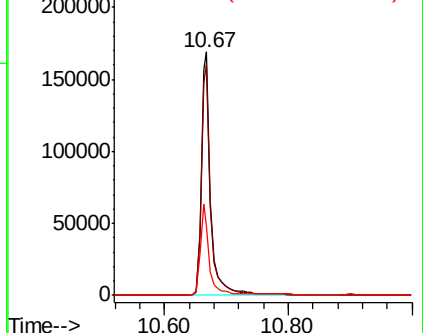
141 35.0 28.1 42.1



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: 77.791 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

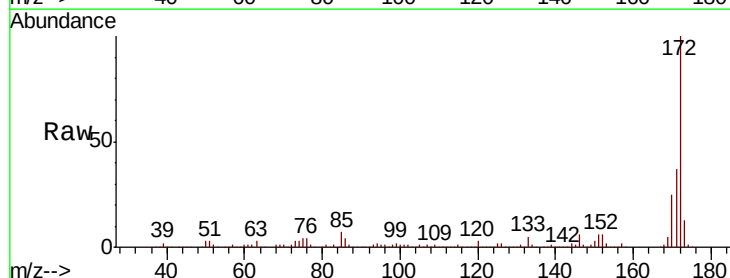
Tgt Ion:172 Resp: 1096521

Ion Ratio Lower Upper

172 100

171 36.6 29.1 43.7

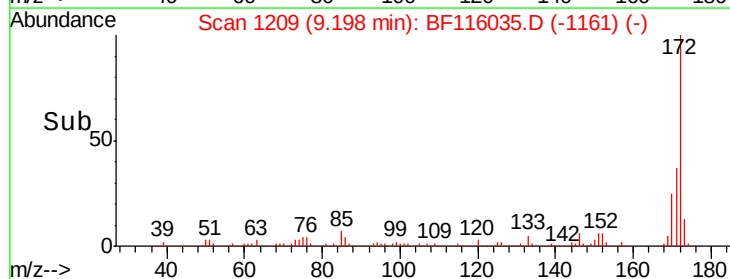
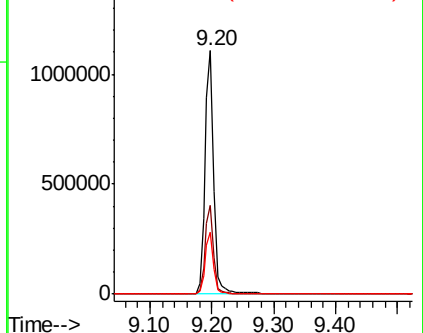
170 25.3 20.1 30.1

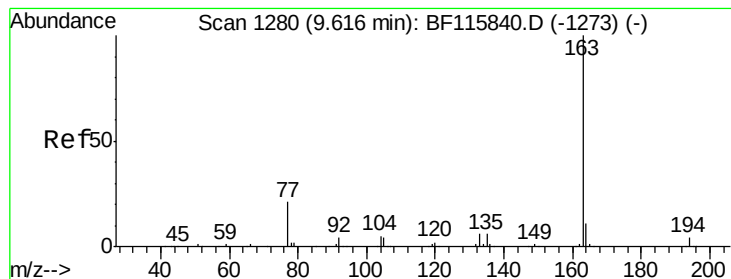


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.755 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampleId :

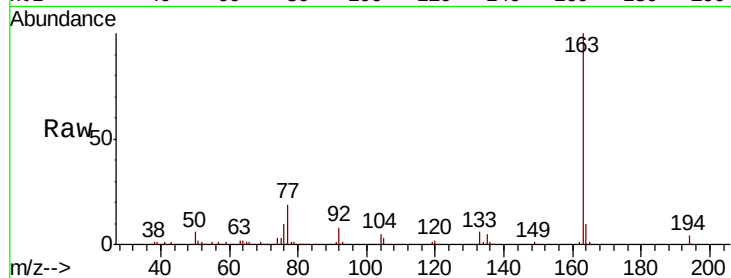
Tot Ion:163 Resp: 175372

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

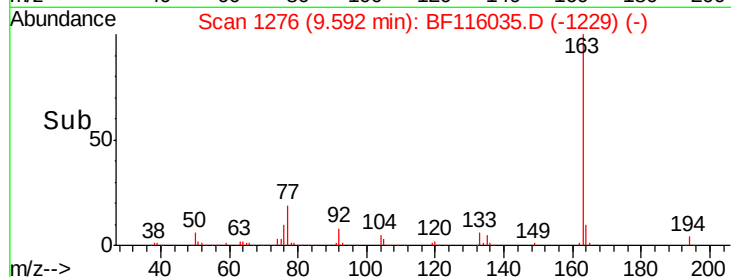
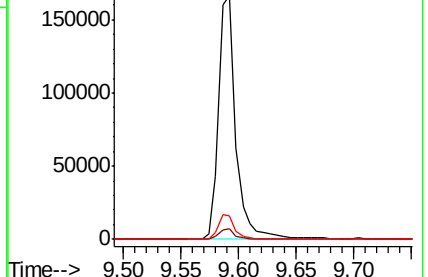
164 9.8 8.4 12.6



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: 6.736 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Tgt Ion:165 Resp: 35036

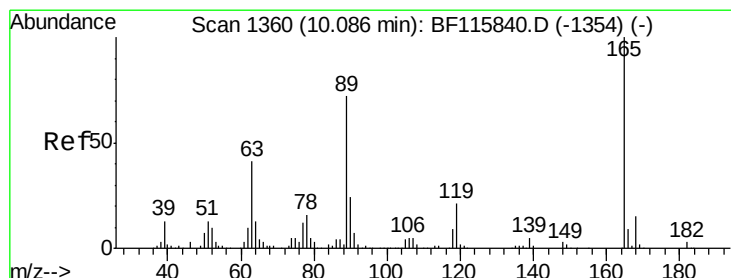
Ion Ratio Lower Upper

165 100

63 0.8 33.2 49.8#

89 1.7 57.3 85.9#

182 0.0 2.1 3.1#

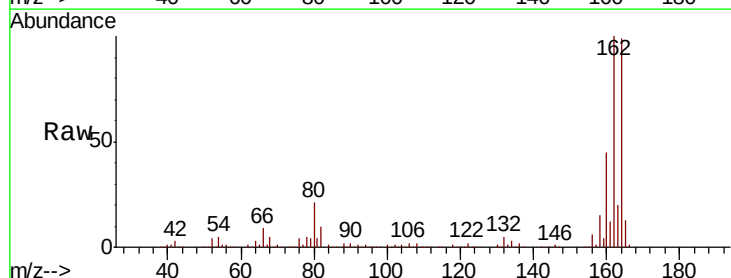
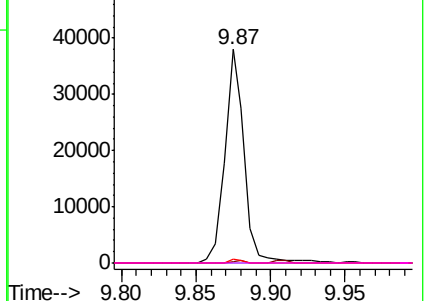


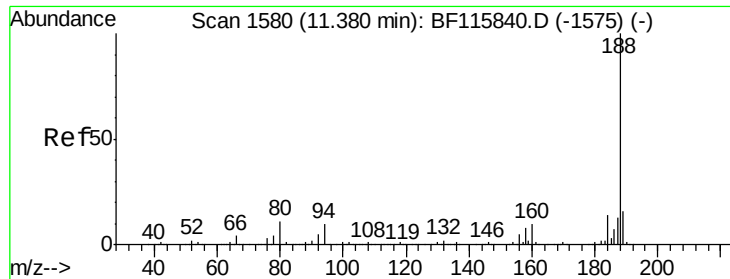
Abundance Ion 165.00 (164.70 to 165.70): E

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

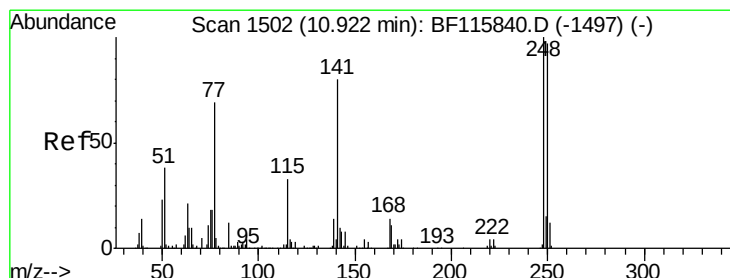
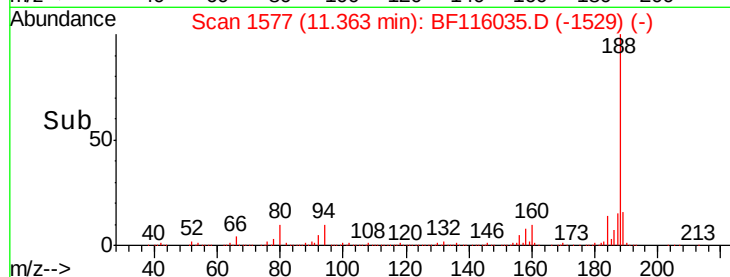
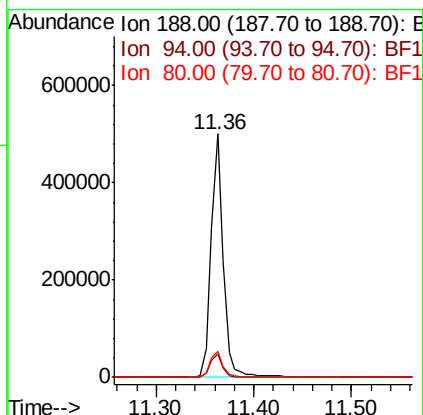
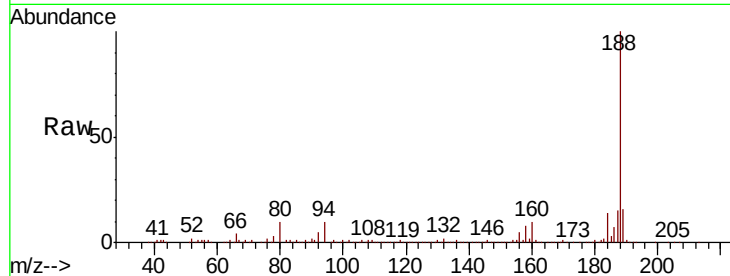




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

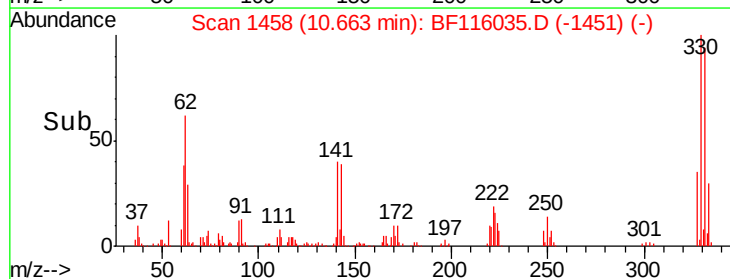
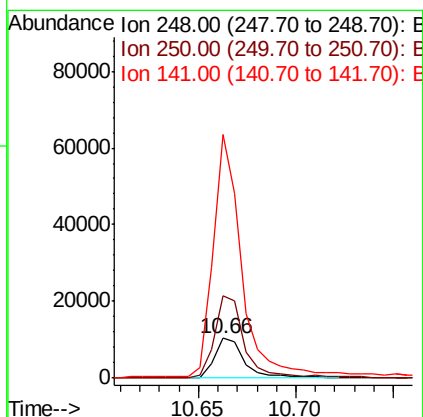
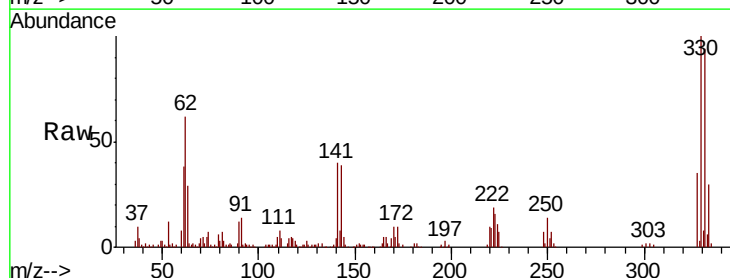
Instrument :
BNA_F
ClientSampleId :

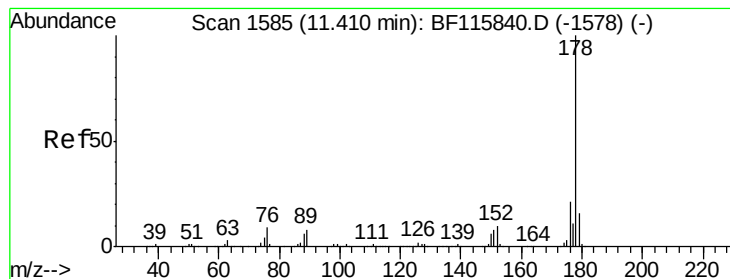
Tot Ion:188 Resp: 434851
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.5 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 2.345 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.26 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion:248 Resp: 10917
Ion Ratio Lower Upper
248 100
250 209.9 77.8 116.6#
141 616.3 64.3 96.5#





#71

Phenanthrene

Concen: 3.314 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampleId :

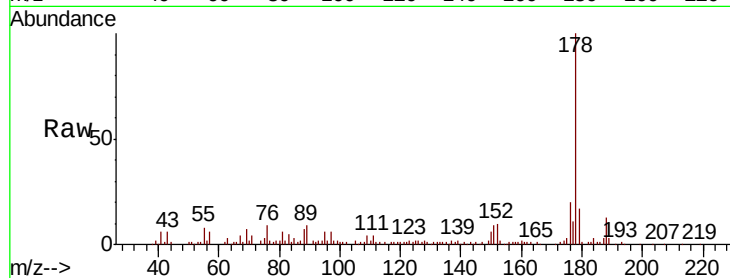
Tot Ion:178 Resp: 73680

Ion Ratio Lower Upper

178 100

176 19.7 16.5 24.7

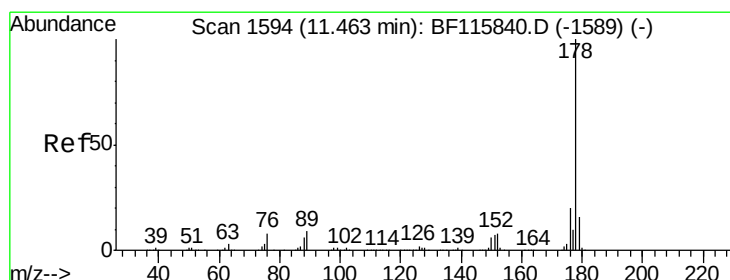
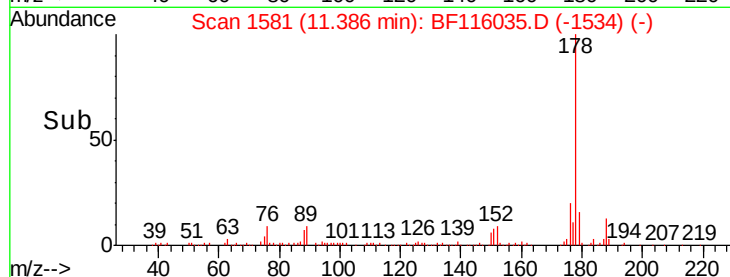
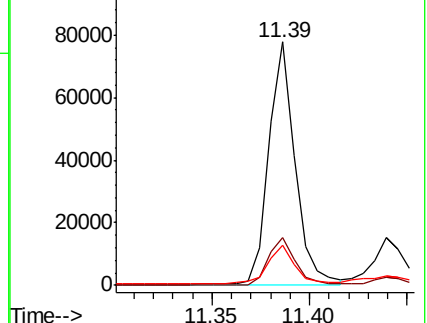
179 16.5 12.6 18.8



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



#72

Anthracene

Concen: 3.275 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.08 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

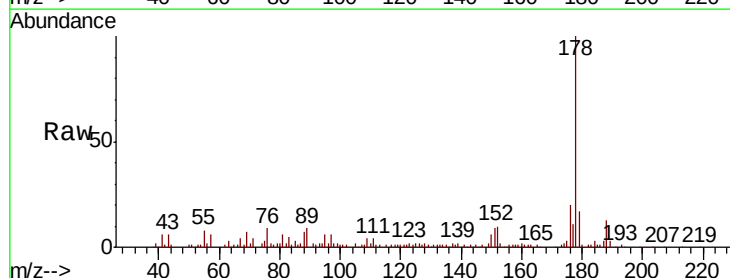
Tgt Ion:178 Resp: 73680

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

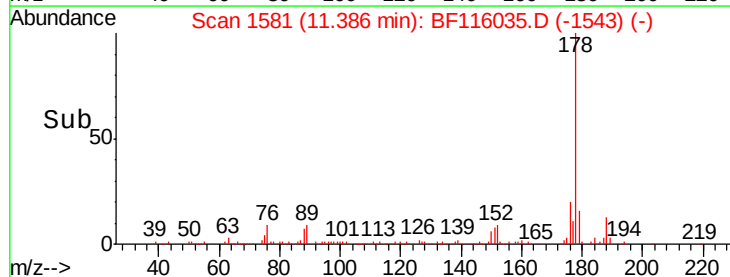
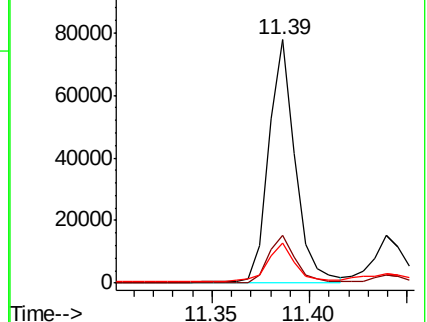
179 16.5 12.4 18.6

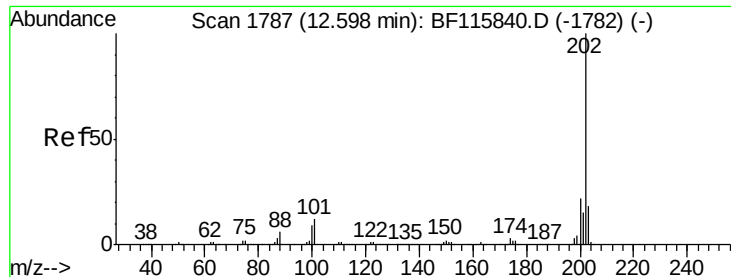


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.078 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampleId :

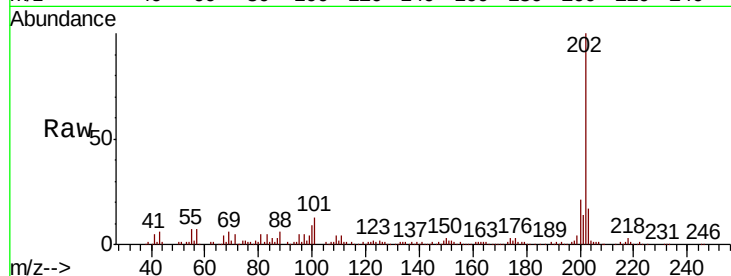
Tot Ion:202 Resp: 141461

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

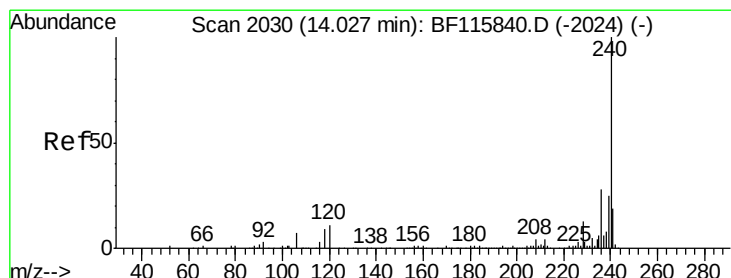
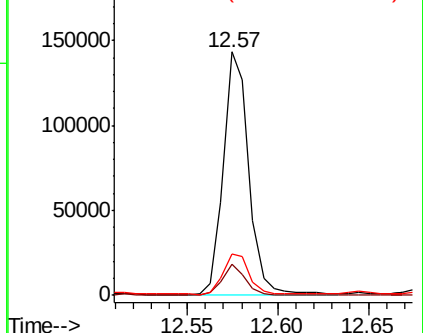
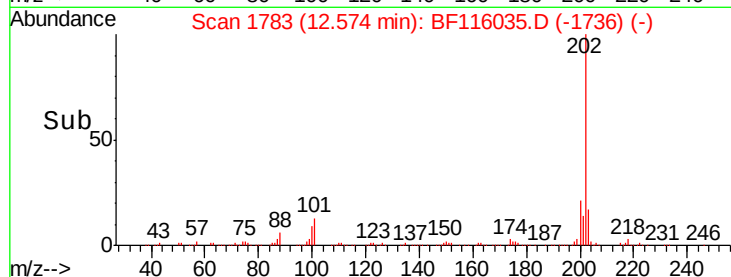
203 17.2 0.0 37.9



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# 2026

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

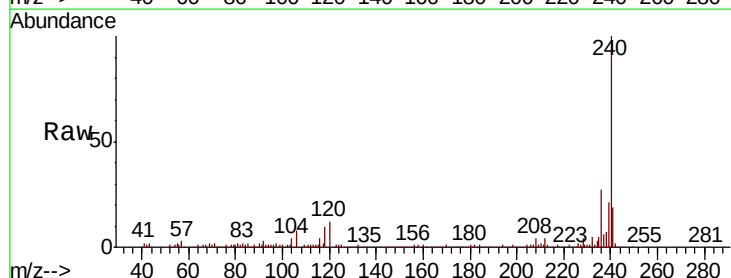
Tgt Ion:240 Resp: 313102

Ion Ratio Lower Upper

240 100

120 11.6 8.5 12.7

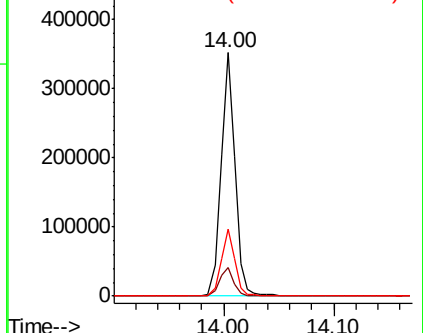
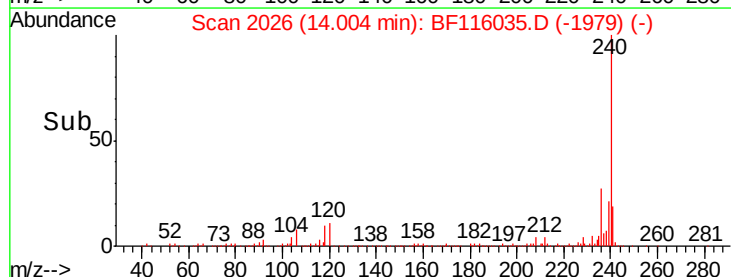
236 27.4 22.2 33.2

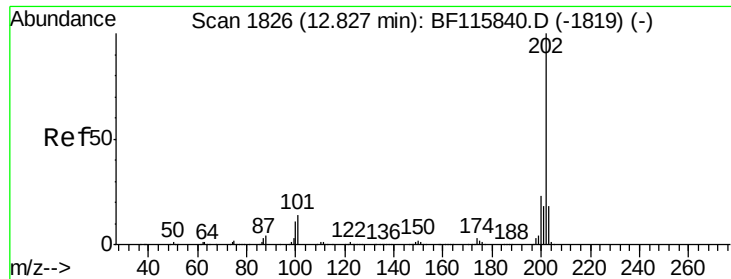


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

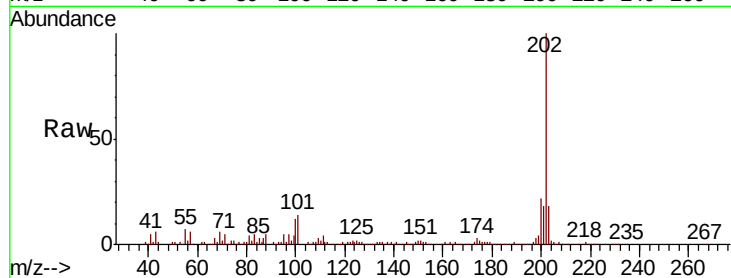




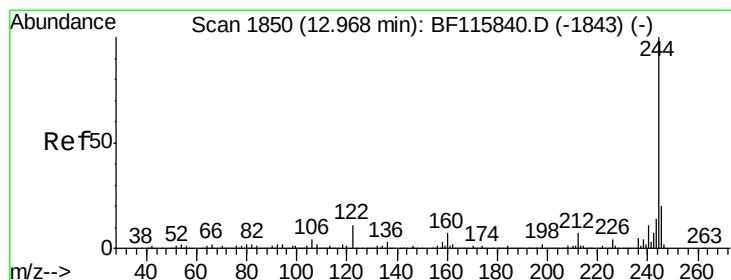
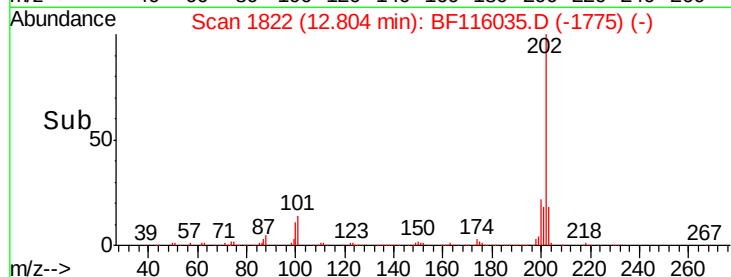
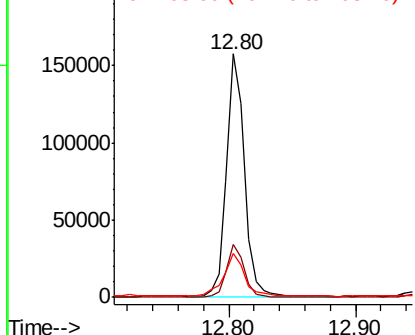
#78
Pvrene
Concen: 6.474 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 152798
Ion Ratio Lower Upper
202 100
200 21.6 18.2 27.2
203 18.0 14.3 21.5

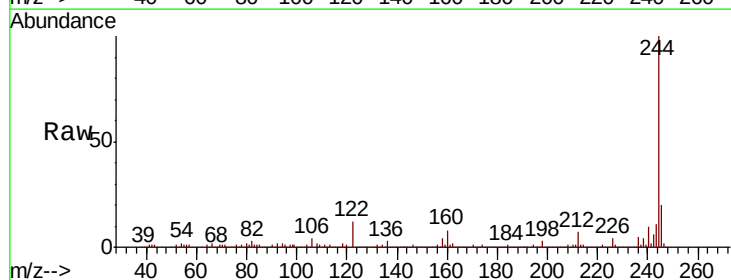


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

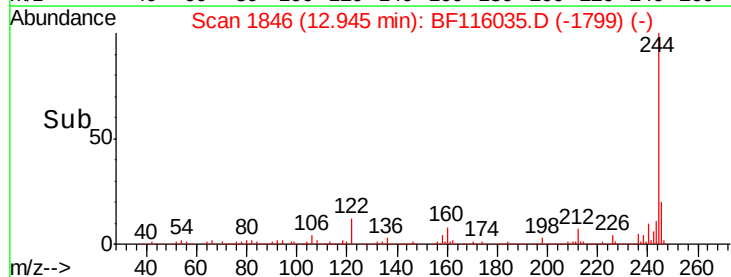
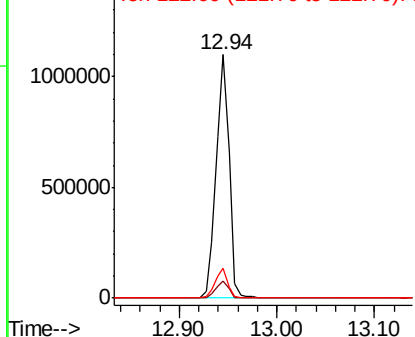


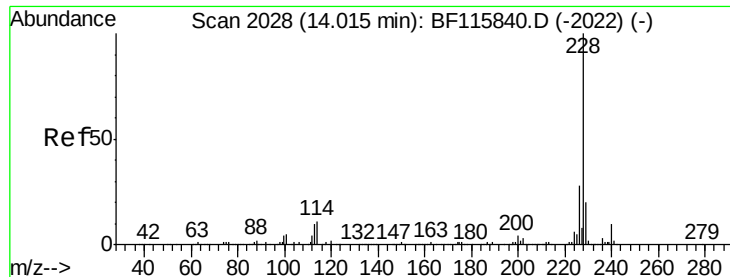
#79
Terphenyl-d14
Concen: 68.531 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion:244 Resp: 1018291
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 12.0 8.6 13.0



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

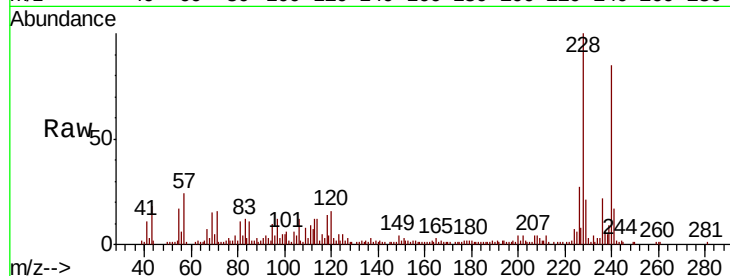




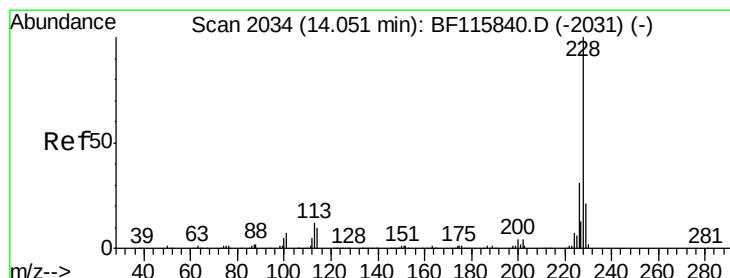
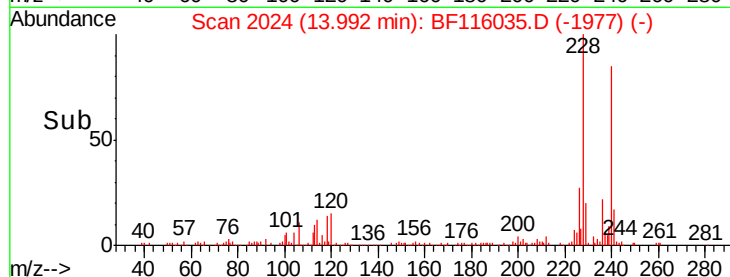
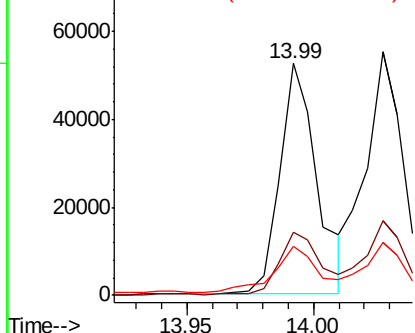
#81
Benzo(a)anthracene
Concen: 2.673 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.5	33.7
229	20.9	16.1	24.1

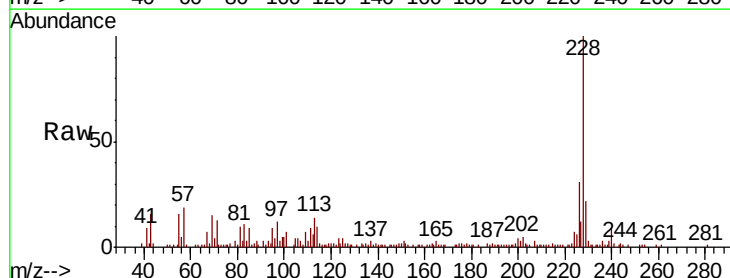


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

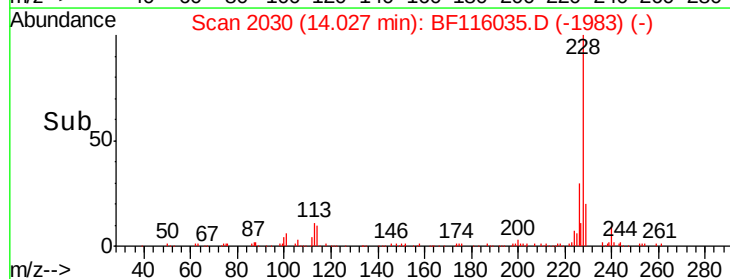
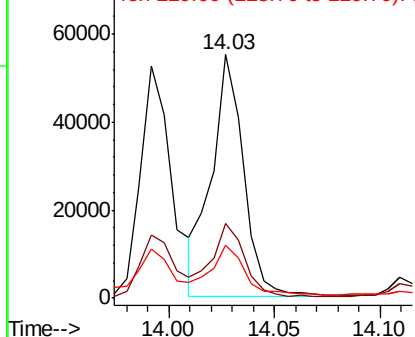


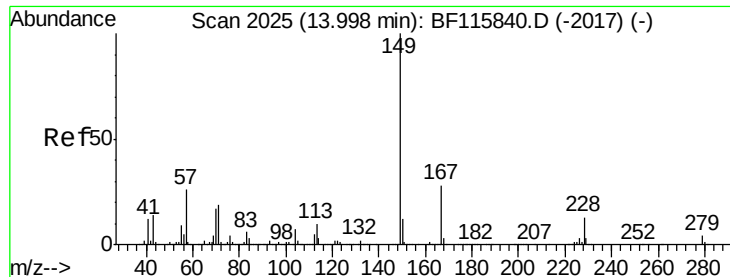
#83
Chrysene
Concen: 2.996 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	21.6	16.4	24.6



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.489 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampleId :

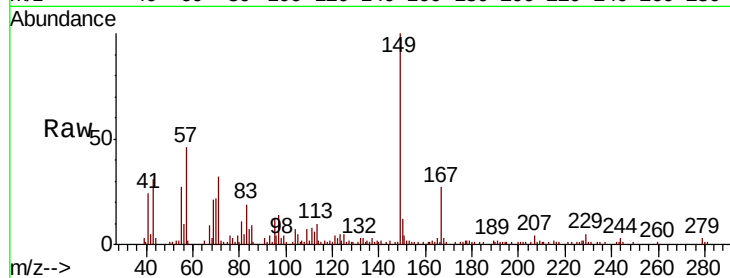
Tot Ion:149 Resp: 45272

Ion Ratio Lower Upper

149 100

167 27.2 22.4 33.6

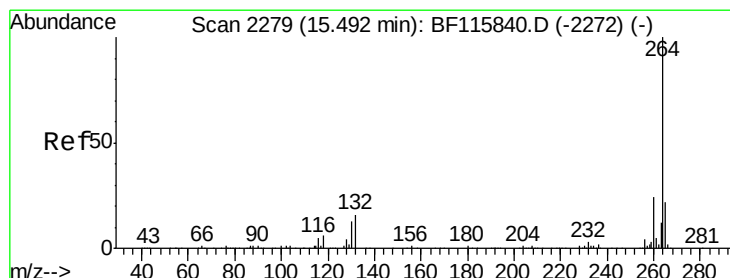
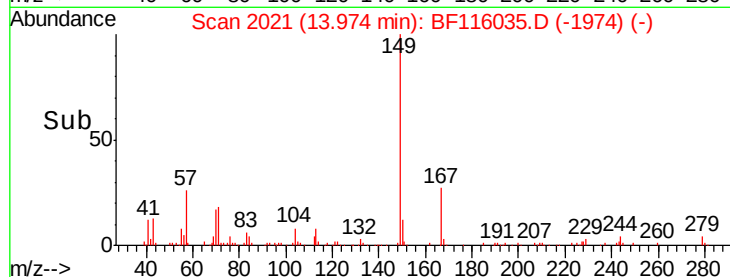
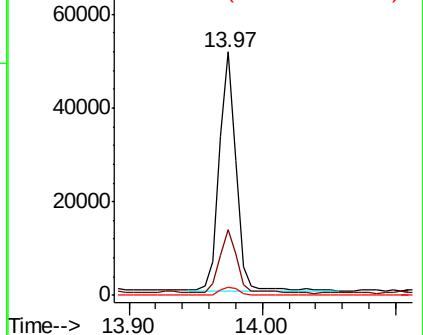
279 3.4 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

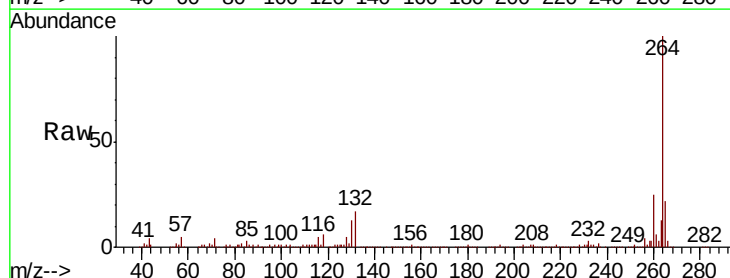
Tgt Ion:264 Resp: 391335

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

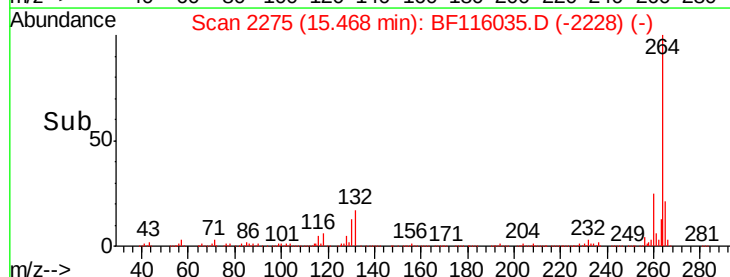
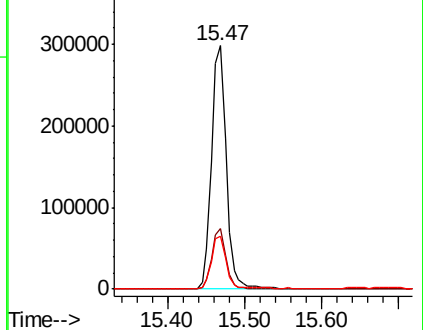
265 21.6 17.5 26.3

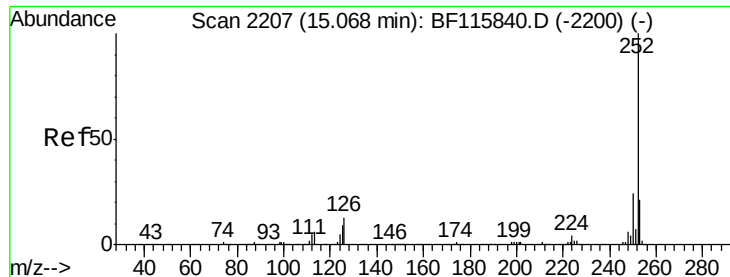


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

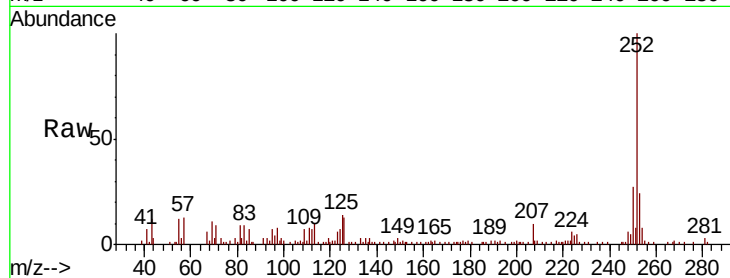




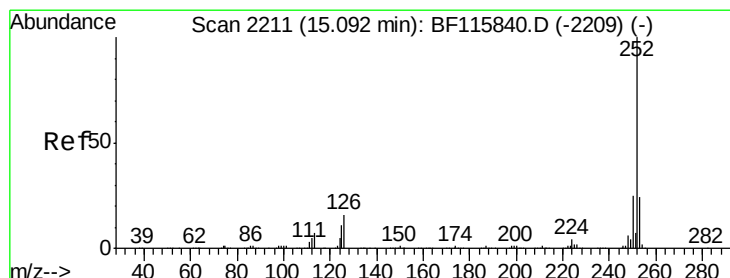
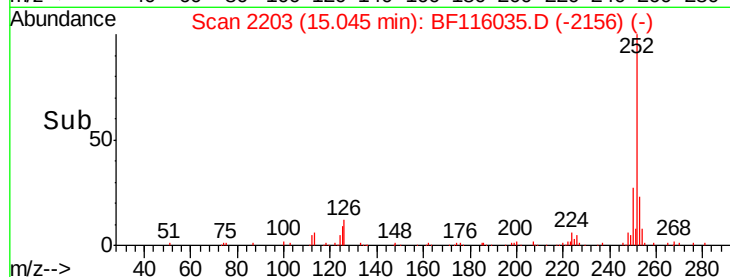
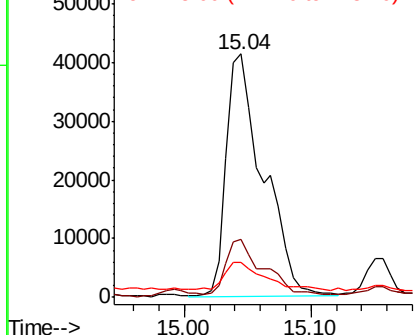
#88
Benzo(b)fluoranthene
Concen: 3.693 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	14.2	7.4	11.0

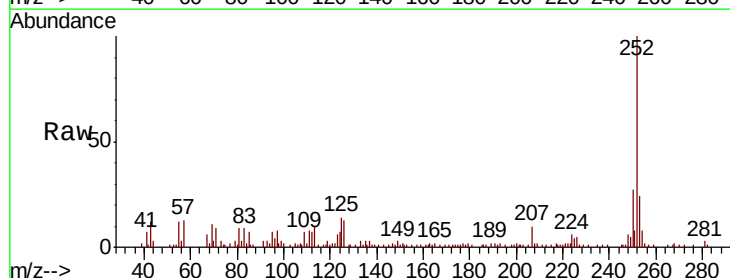


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.805 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.05 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	14.2	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

