

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111724.D
 Acq On : 26 Dec 2018 20:09
 Operator : JU/SJ
 Sample : J6493-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 02:18:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	225777	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	806333	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	354366	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	556742	20.00	ng	0.00
76) Chrysene-d12	14.06	240	526220	20.00	ng	0.00
87) Perylene-d12	15.54	264	426637	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1263683	95.40	ng	0.02
7) Phenol-d6	6.54	99	1611185	95.58	ng	0.02
23) Nitrobenzene-d5	7.46	82	1025089	74.00	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	374133	89.35	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1728390	71.09	ng	0.00
79) Terphenyl-d14	13.00	244	1408794	50.77	ng	0.00

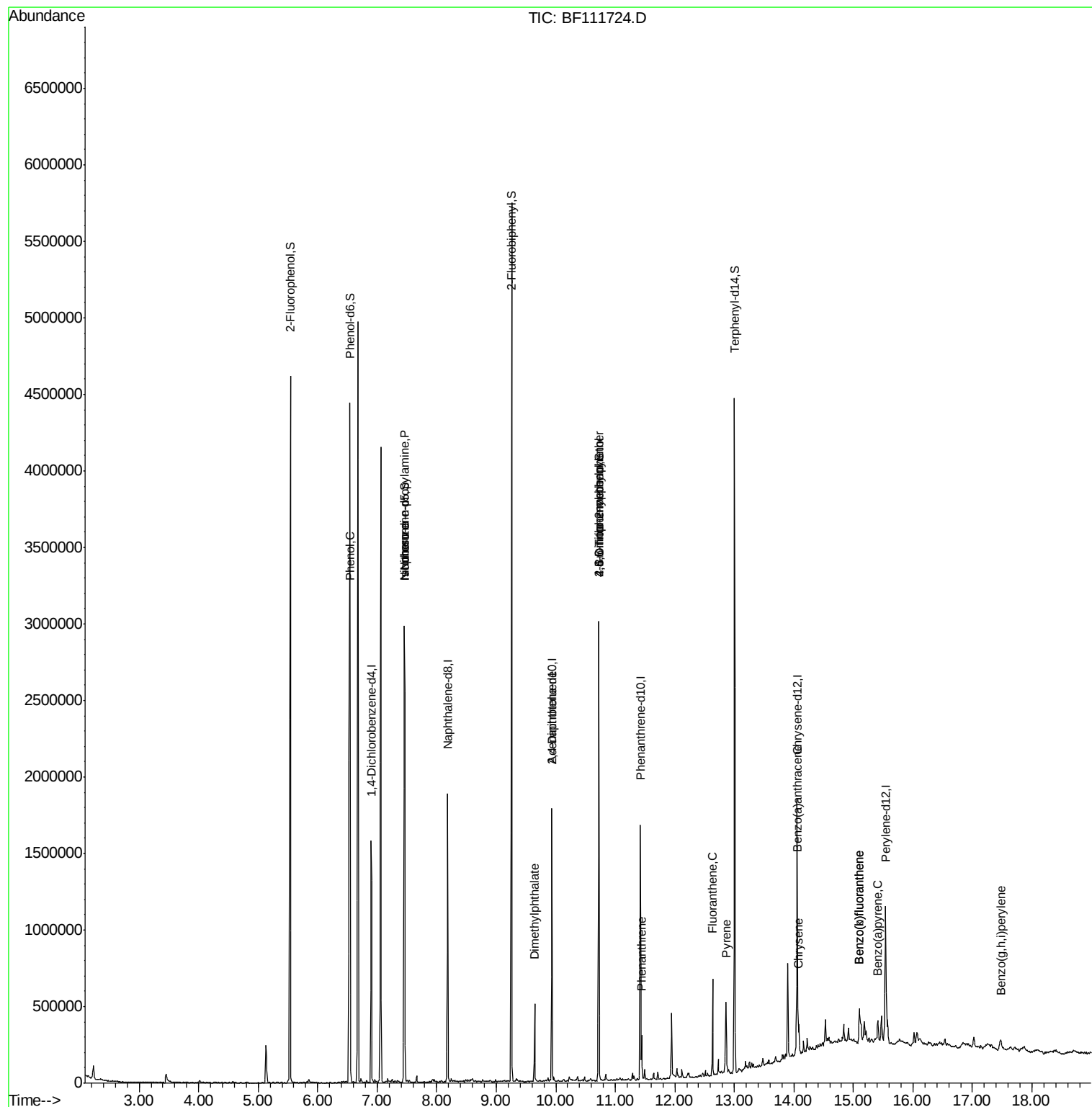
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	89905	4.727	ng	97
19) n-Nitroso-di-n-propylamine	7.46	70	142670	12.744	ng	# 77
25) Isophorone	7.46	82	1022630	41.583	ng	# 64
50) Dimethylphthalate	9.65	163	197159	7.608	ng	96
57) 2,4-Dinitrotoluene	9.93	165	45999	7.407	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	709	6.958	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	23364	3.383	ng	# 1
71) Phenanthrene	11.45	178	106382	3.603	ng	93
75) Fluoranthene	12.63	202	225070	7.528	ng	94
78) Pyrene	12.86	202	198319	5.337	ng	95
81) Benzo(a)anthracene	14.04	228	107007	3.563	ng	99
83) Chrysene	14.08	228	101013	3.422	ng	97
88) Benzo(b)fluoranthene	15.10	252	174216	6.987	ng	# 96
89) Benzo(k)fluoranthene	15.10	252	174216	7.339	ng	96
90) Benzo(a)pyrene	15.41	252	58552	2.585	ng	97
92) Benzo(g,h,i)perylene	17.47	276	47438	2.449	ng	# 86

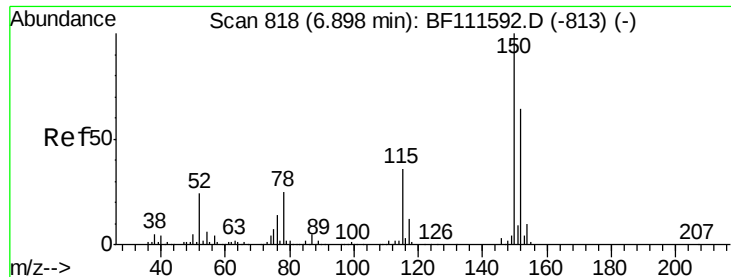
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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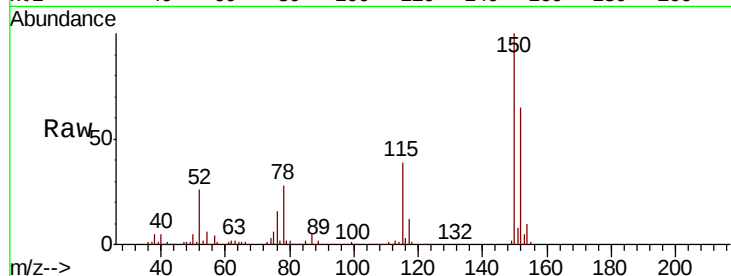


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	60.3	50.7	76.1

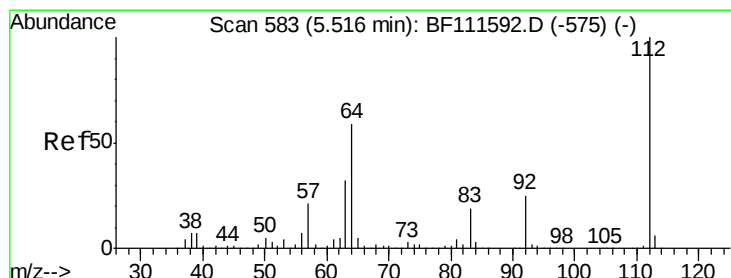
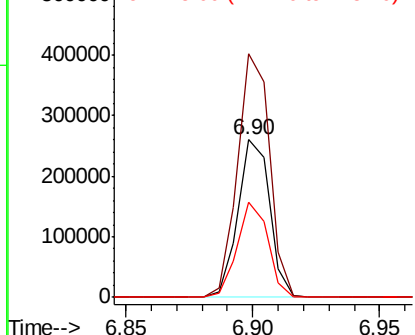
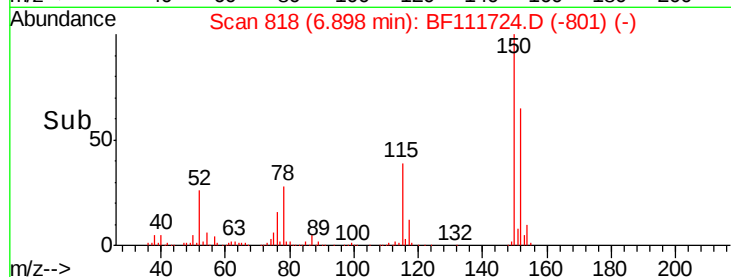


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

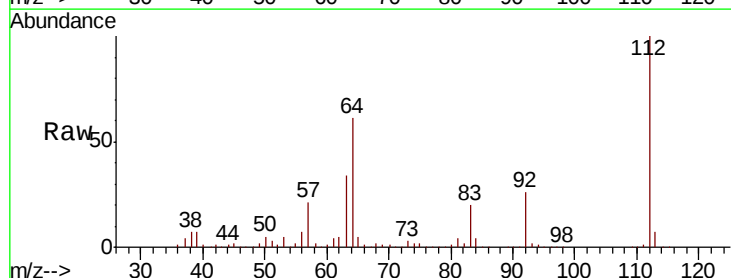
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.403 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.8	77.6
63	34.2	26.8	40.2

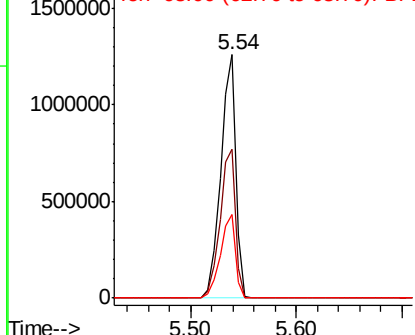
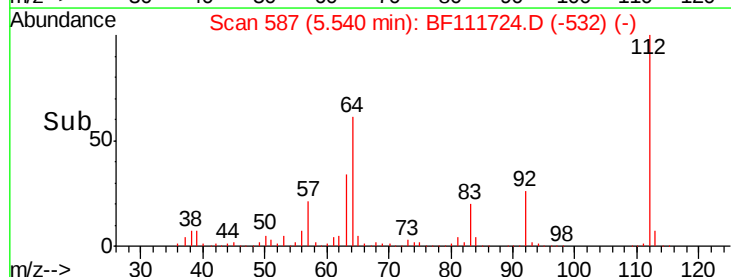


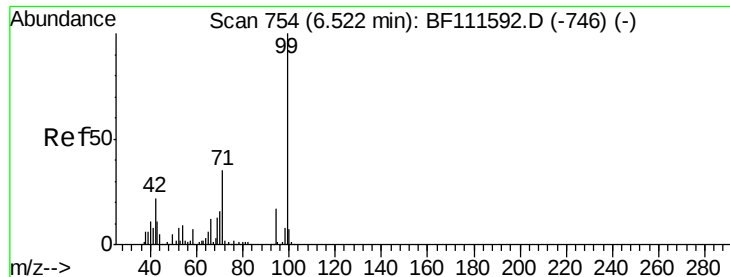
Abundance

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: 95.579 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

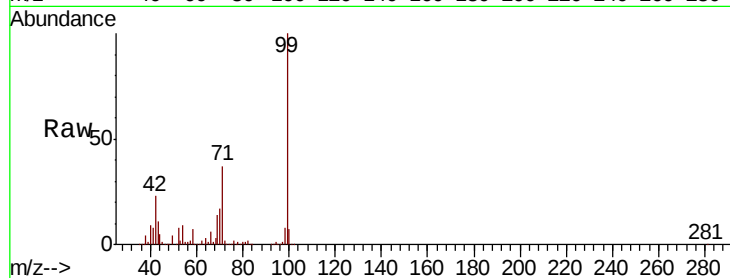
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1611185

Ion	Ratio	Lower	Upper
99	100		
42	22.9	17.4	26.0
71	37.1	26.1	39.1

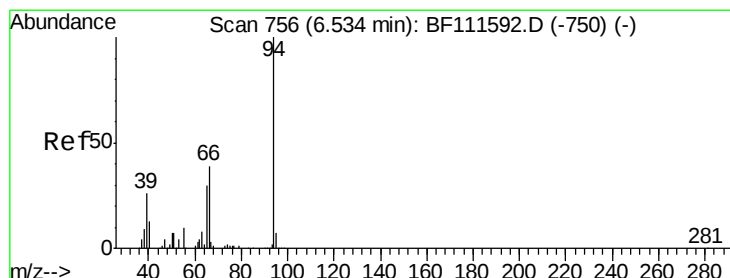
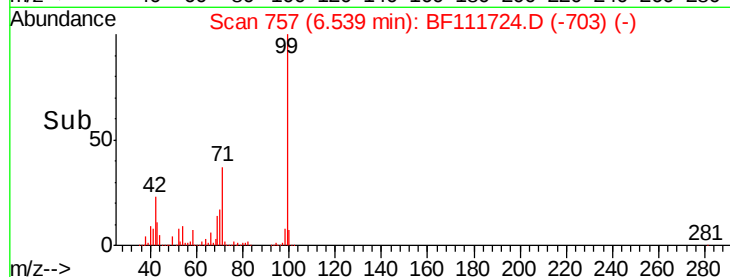
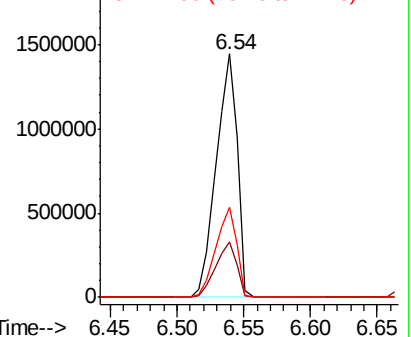


Abundance

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



#10

Phenol

Concen: 4.727 ng

RT: 6.55 min Scan# 759

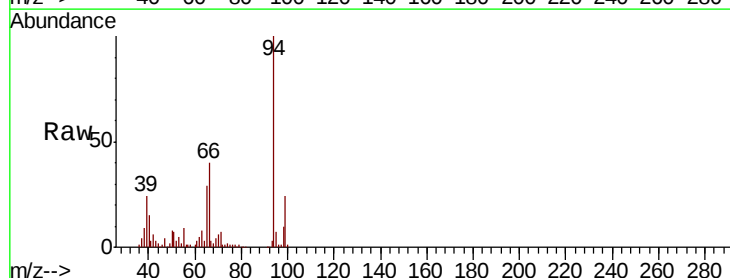
Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Tgt Ion: 94 Resp: 89905

Ion	Ratio	Lower	Upper
94	100		
65	29.3	11.7	51.7
66	39.9	21.0	61.0

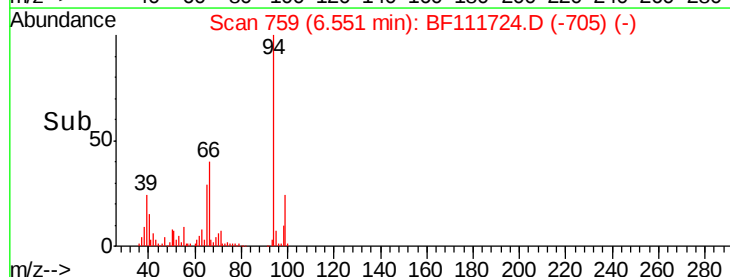
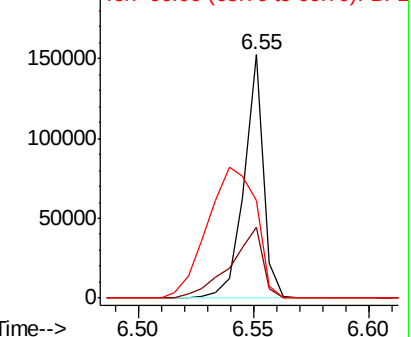


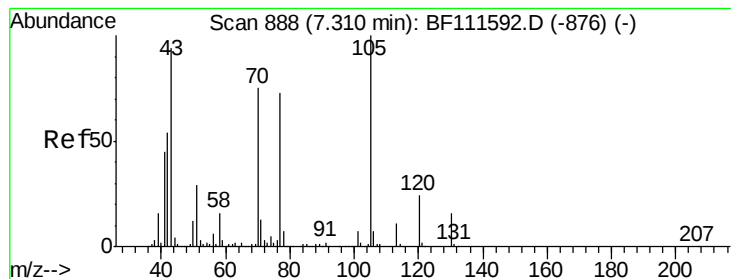
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.744 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 142670

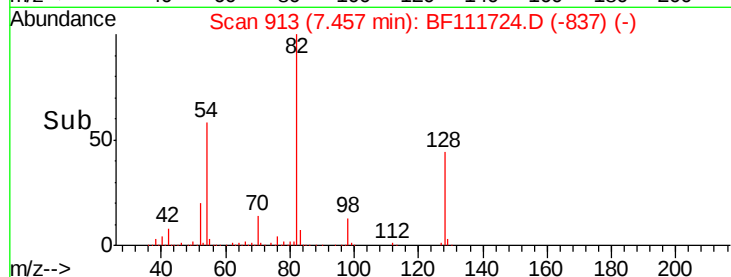
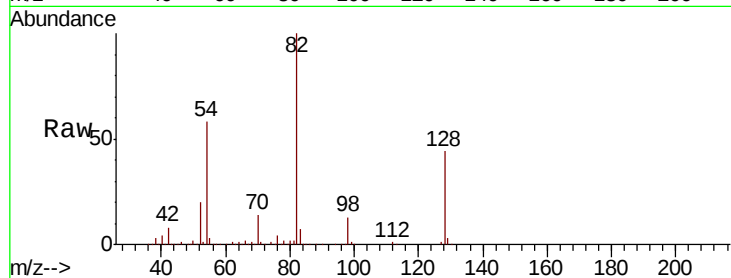
Ion Ratio Lower Upper

70 100

42 54.5 53.2 79.8

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

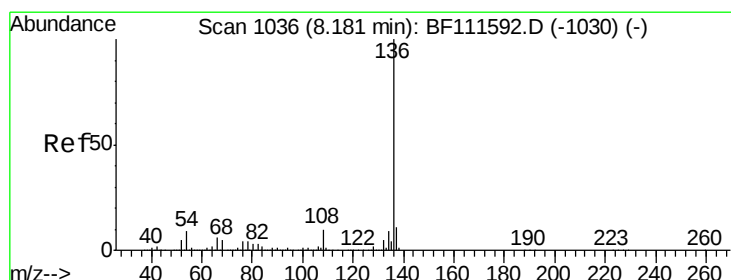
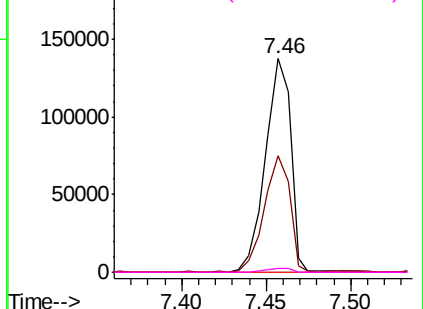


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Tgt Ion:136 Resp: 806333

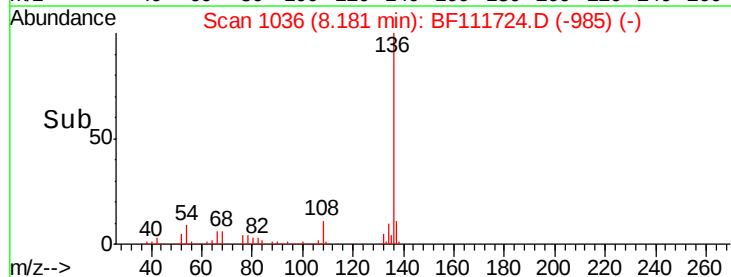
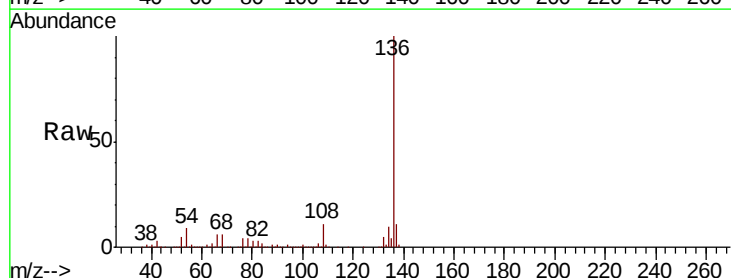
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.0 7.7 11.5

68 5.7 4.9 7.3

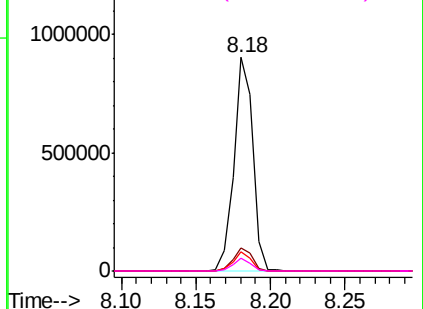


Abundance Ion 136.00 (135.70 to 136.70): E

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

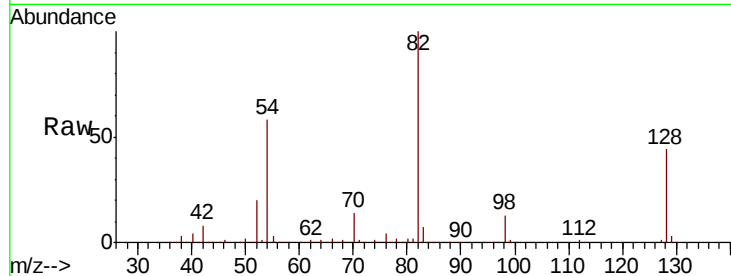




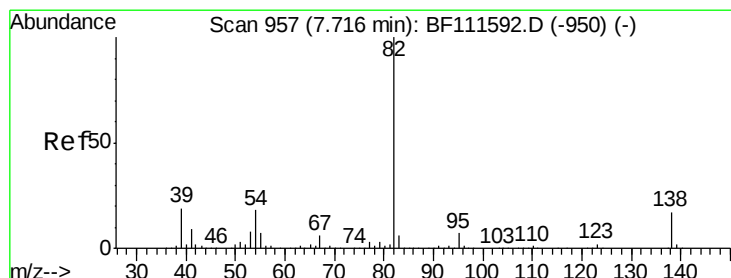
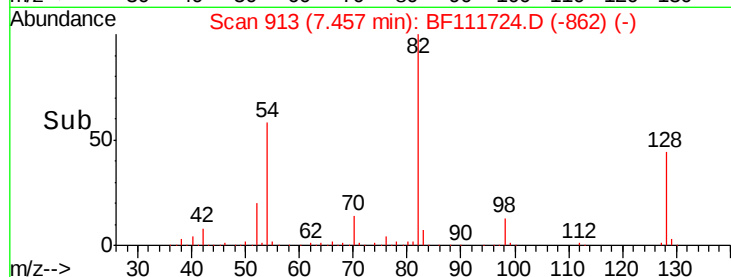
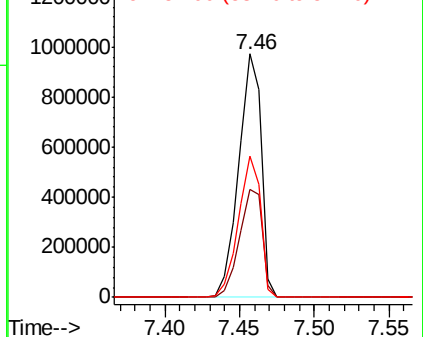
#23
Nitrobenzene-d5
Concen: 73.999 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1025089
Ion Ratio Lower Upper
82 100
128 44.1 37.4 56.2
54 58.2 47.6 71.4

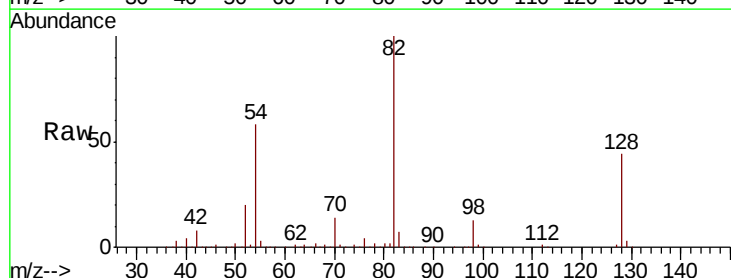


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

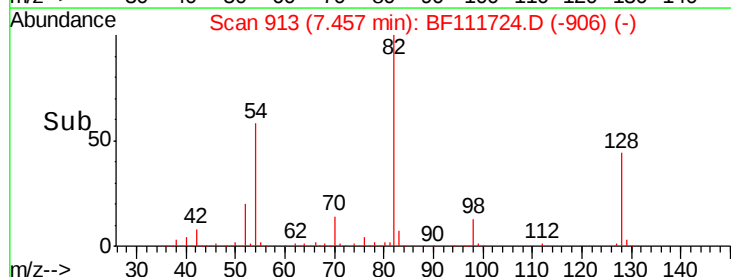
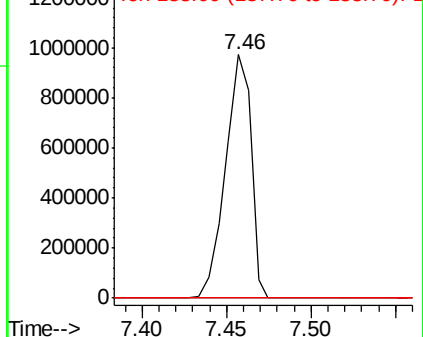


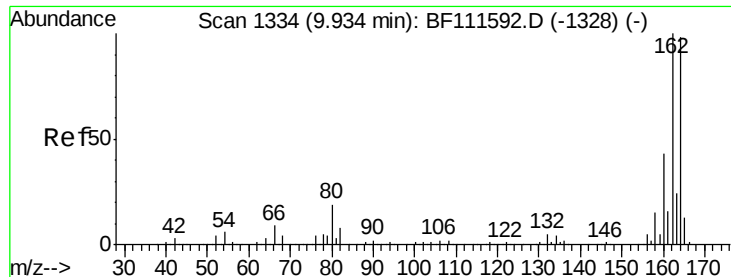
#25
Isophorone
Concen: 41.583 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion: 82 Resp: 1022630
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



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: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

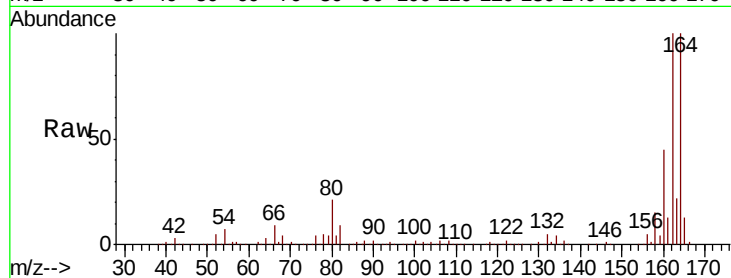
Tot Ion:164 Resp: 354366

Ion Ratio Lower Upper

164 100

162 99.8 81.4 122.0

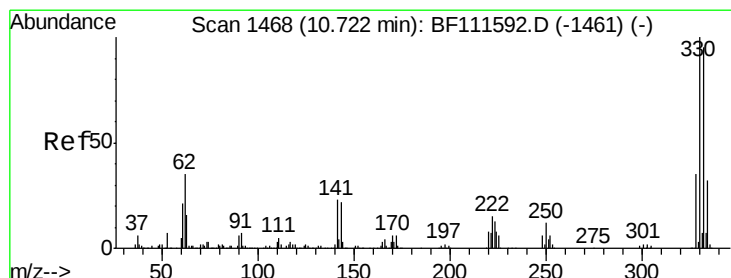
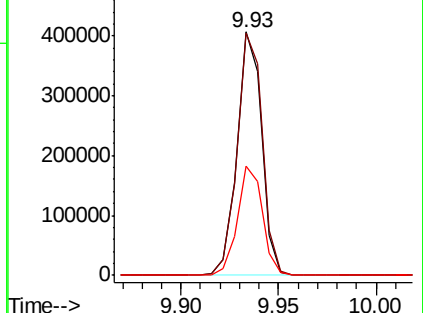
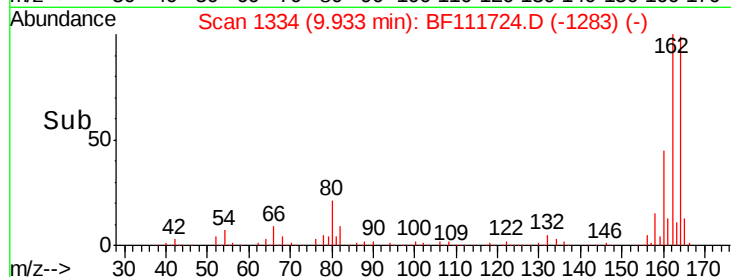
160 45.1 35.7 53.5



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: 89.354 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

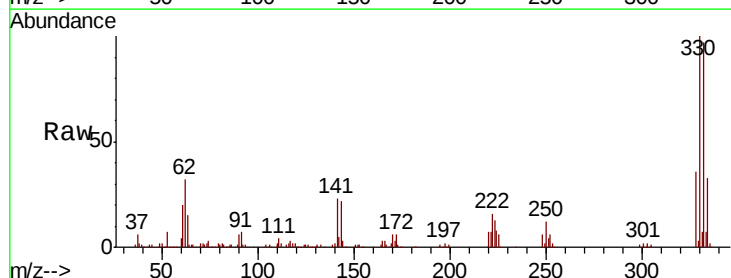
Tgt Ion:330 Resp: 374133

Ion Ratio Lower Upper

330 100

332 97.3 76.0 114.0

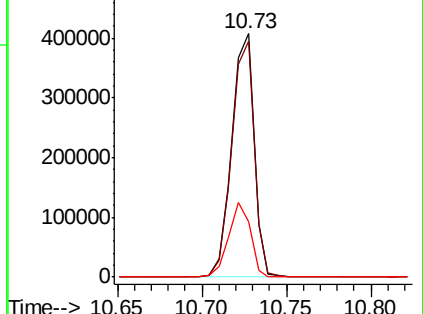
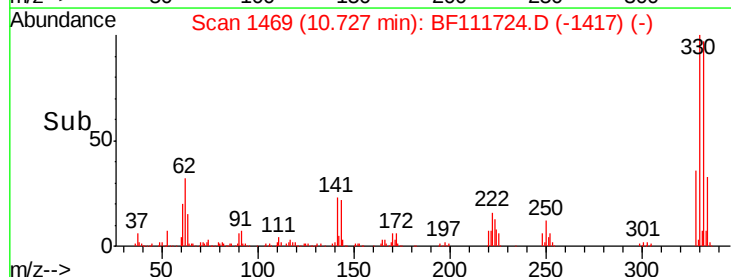
141 30.1 31.0 46.6#

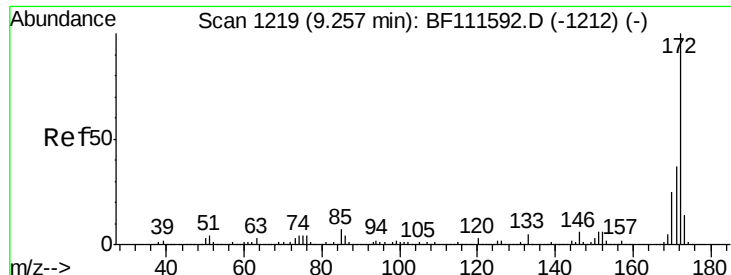


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

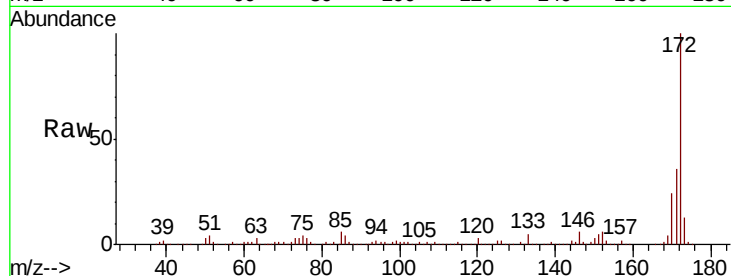




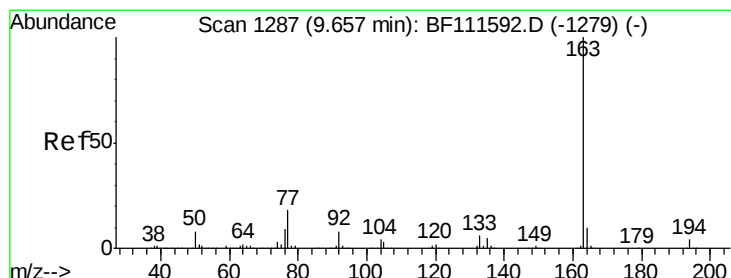
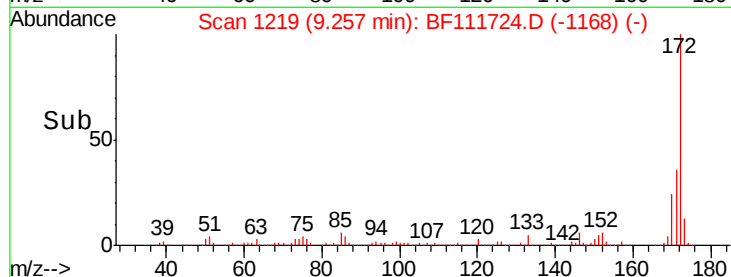
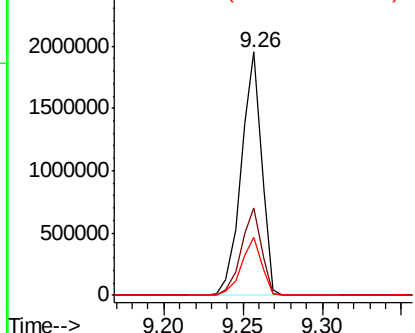
#45
2-Fluorobiphenyl
Concen: 71.092 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1728390
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 23.9 22.3 33.5

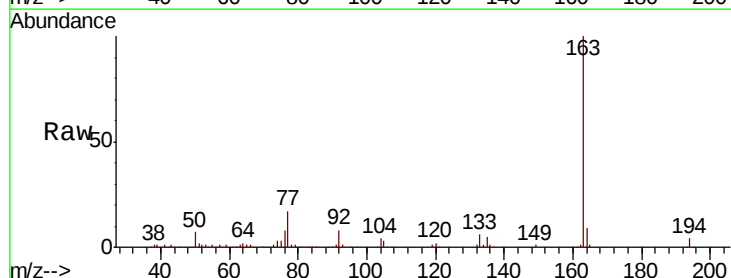


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

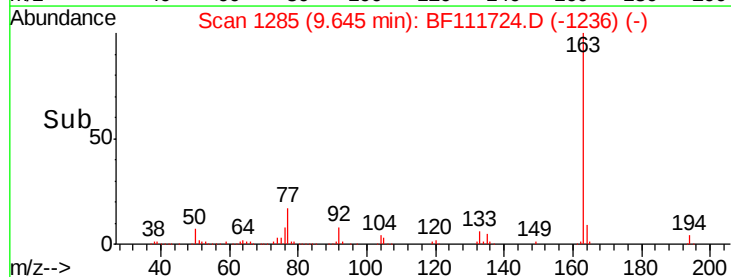
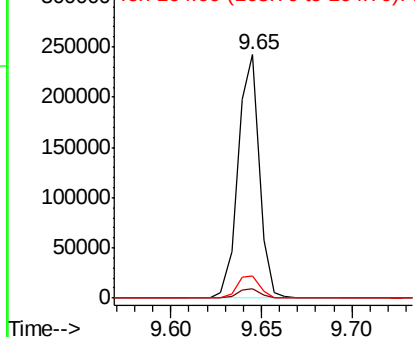


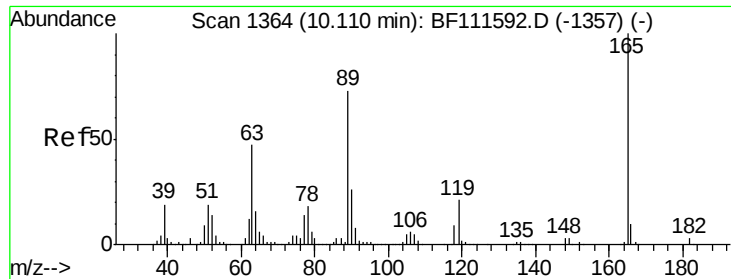
#50
Dimethylphthalate
Concen: 7.608 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion:163 Resp: 197159
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.2 8.9 13.3



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

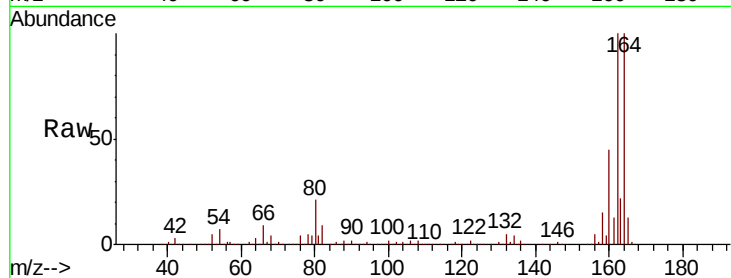




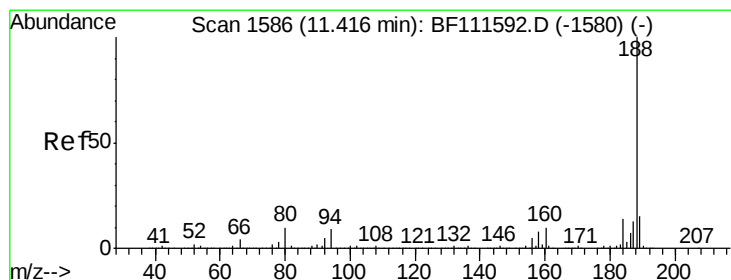
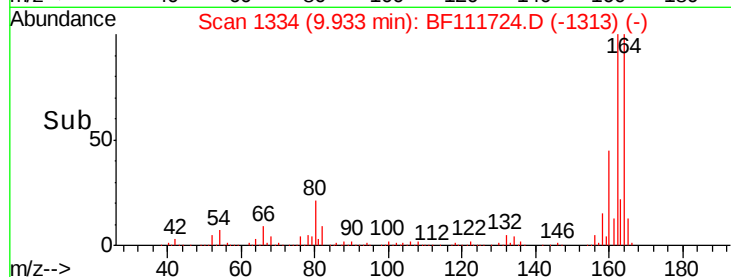
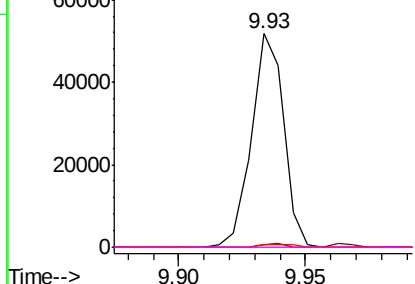
#57
 2,4-Dinitrotoluene
 Concen: 7.407 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111724.D
 Acq: 26 Dec 2018 20:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	45999
Ion Ratio	Lower	Upper
165	100	
63	1.2	34.6 52.0#
89	1.4	56.2 84.4#
182	0.0	1.8 2.6#

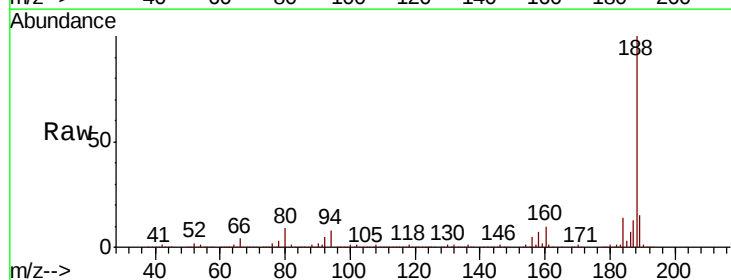


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

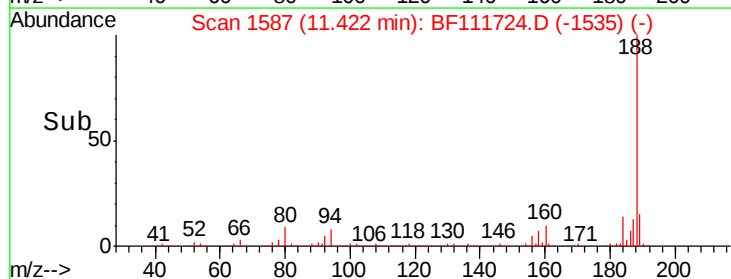
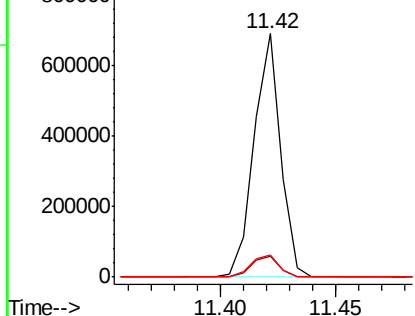


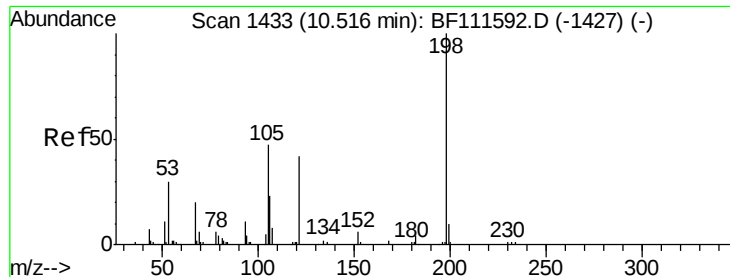
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF111724.D
 Acq: 26 Dec 2018 20:09

Tgt Ion:188	Resp:	556742
Ion Ratio	Lower	Upper
188	100	
94	8.4	9.6 14.4#
80	9.1	9.8 14.6#



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





#65

4,6-Dinitro-2-methylphenol

Concen: 6.958 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.21 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampled :

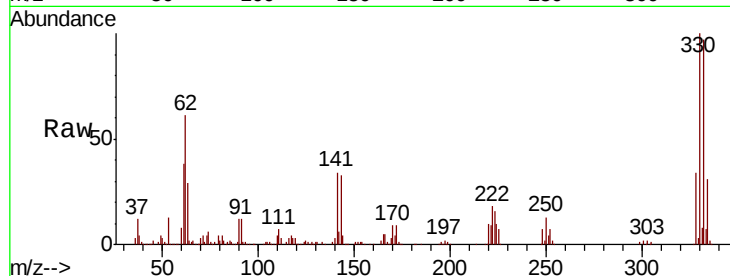
Tot Ion:198 Resp: 709

Ion Ratio Lower Upper

198 100

51 270.9 48.0 88.0#

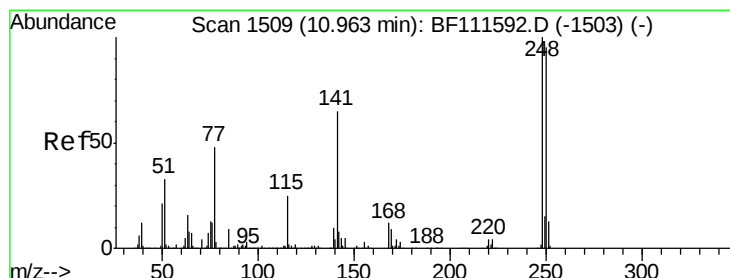
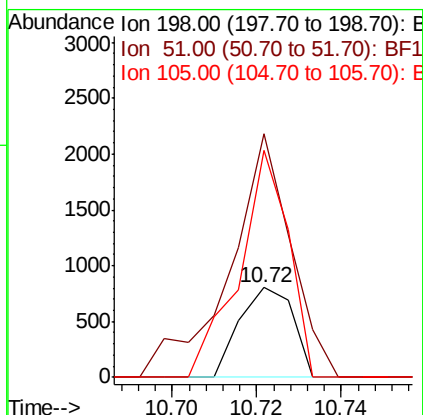
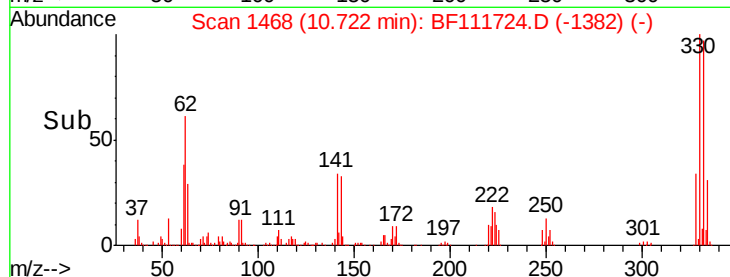
105 252.8 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.383 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

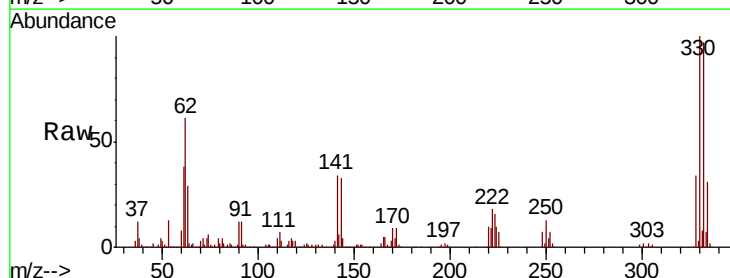
Tgt Ion:248 Resp: 23364

Ion Ratio Lower Upper

248 100

250 186.8 77.0 115.4#

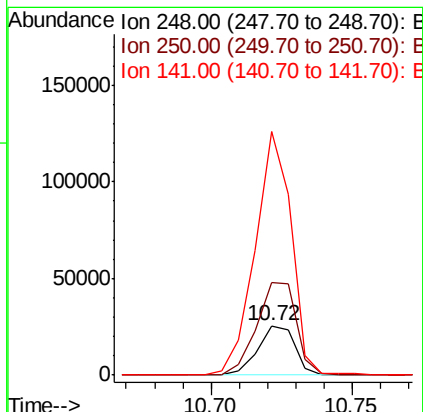
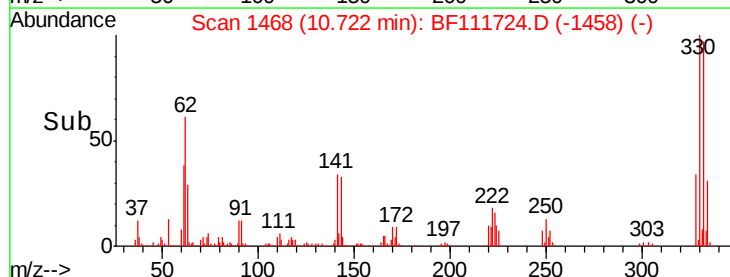
141 493.4 63.0 94.6#

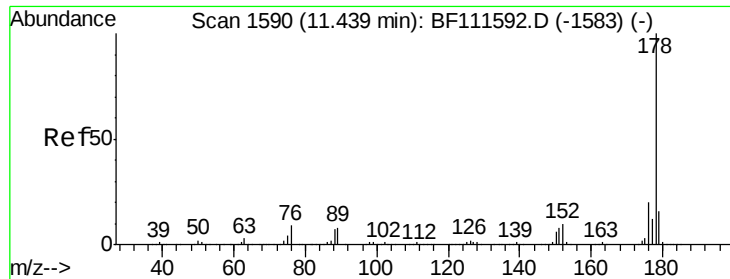


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

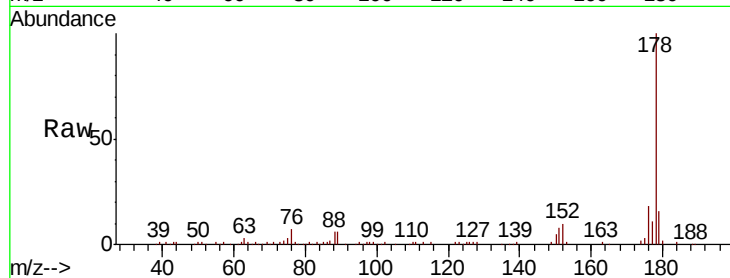




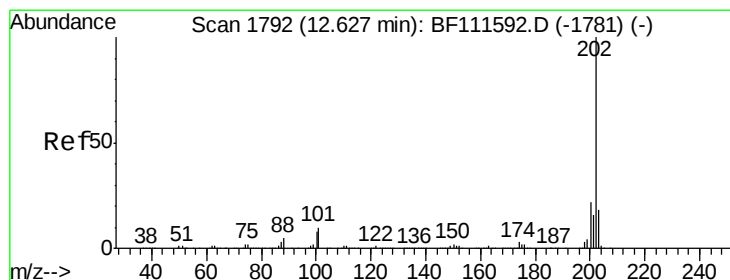
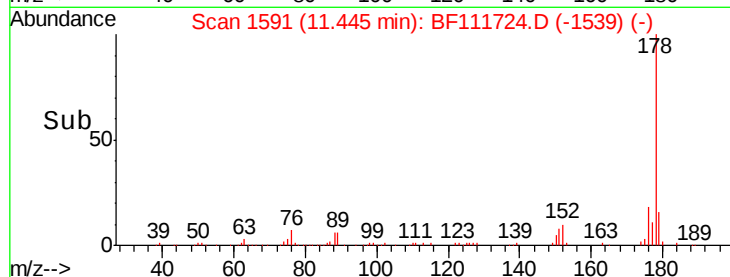
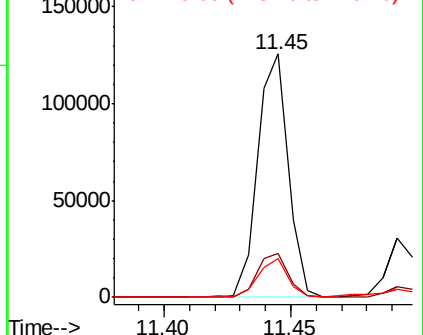
#71
Phenanthrene
Concen: 3.603 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	18.1	27.1
179	15.9	14.0	21.0

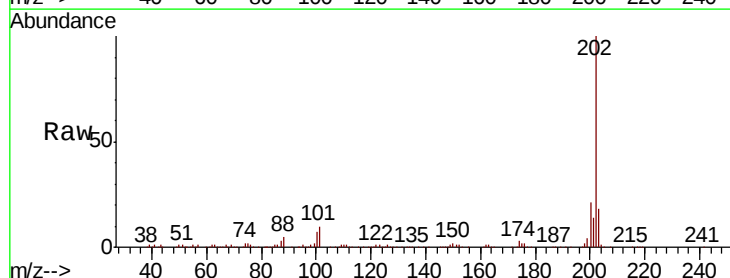


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

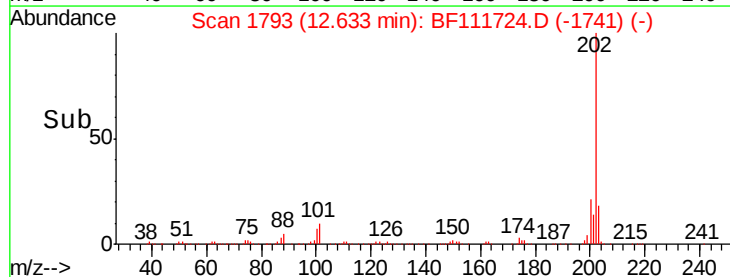
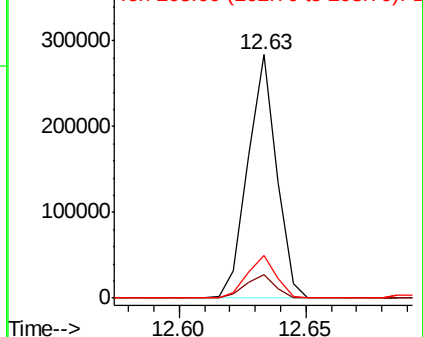


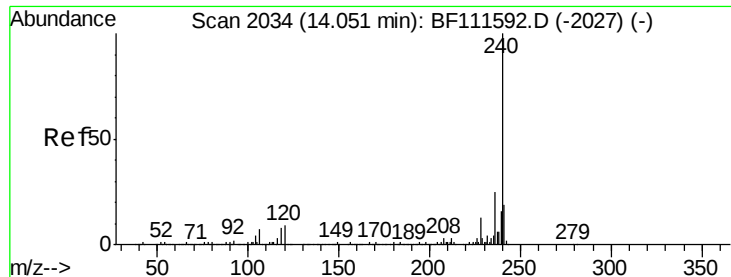
#75
Fluoranthene
Concen: 7.528 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	33.8
203	17.6	0.0	38.6



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: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF111724.D

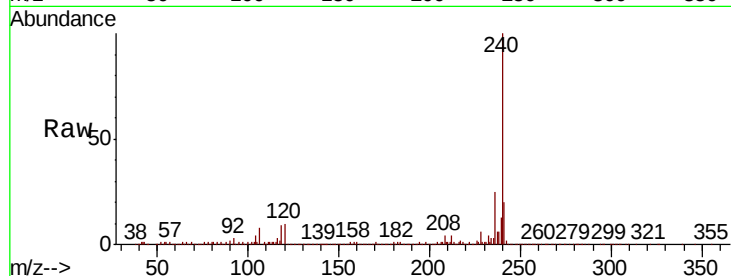
Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

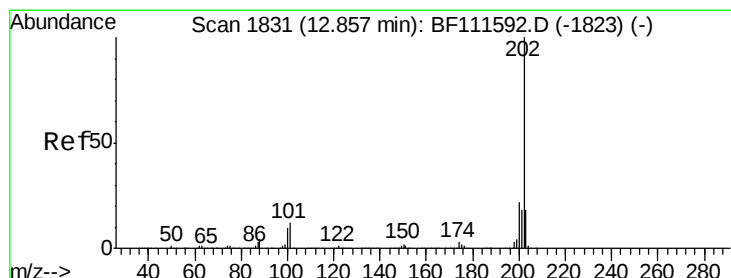
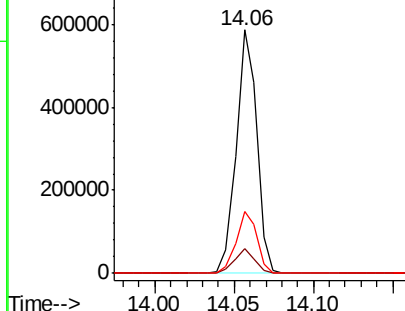
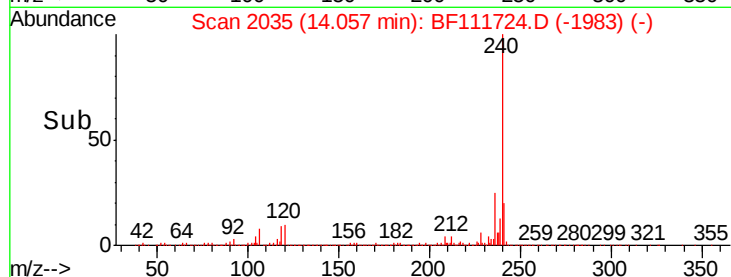
Tot Ion:240	Resp:	526220
Ion	Ratio	Lower Upper
240	100	
120	10.0	12.2 18.2#
236	25.3	20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.337 ng

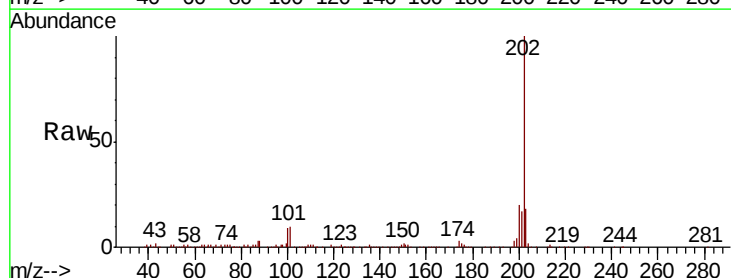
RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

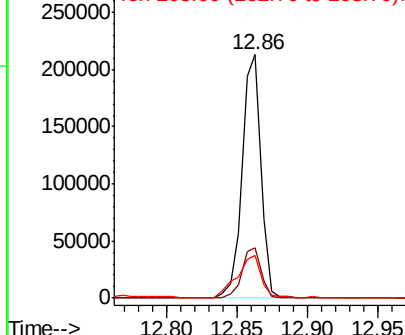
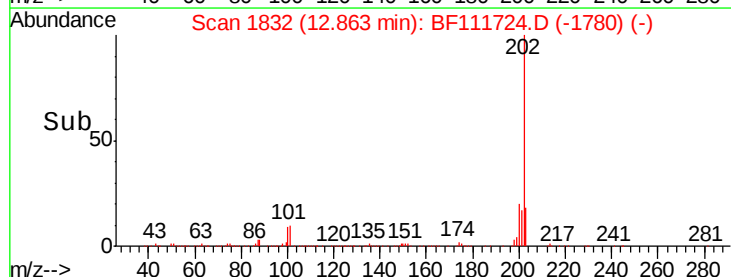
Tgt Ion:202	Resp:	198319
Ion	Ratio	Lower Upper
202	100	
200	20.4	19.0 28.4
203	17.7	15.2 22.8

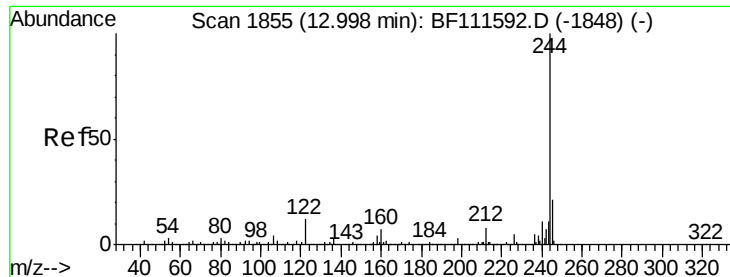


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 50.771 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampleId :

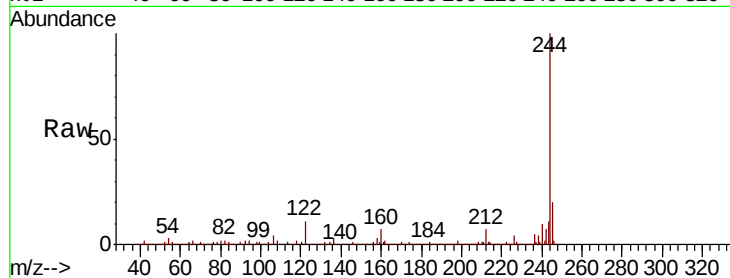
Tot Ion:244 Resp: 1408794

Ion Ratio Lower Upper

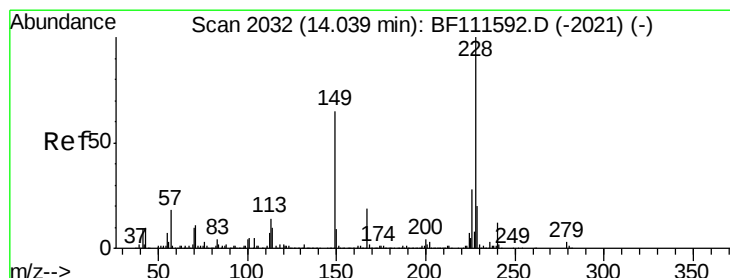
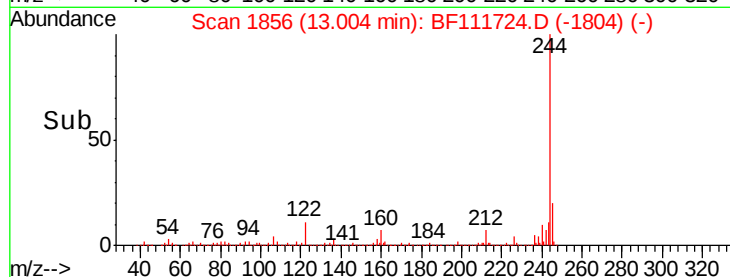
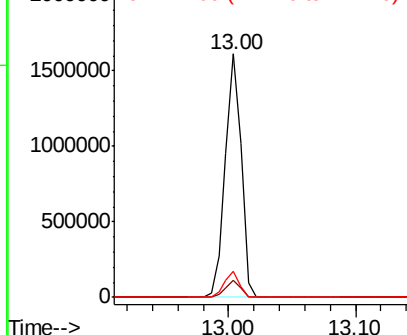
244 100

212 7.2 5.7 8.5

122 10.7 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 3.563 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

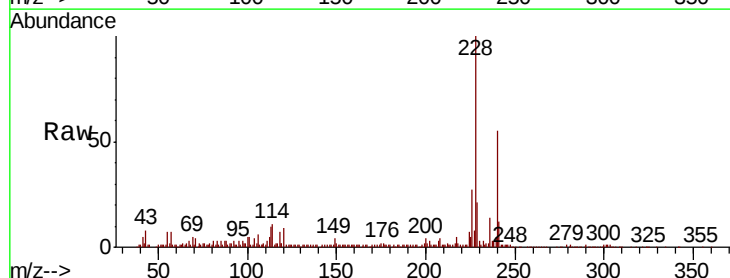
Tgt Ion:228 Resp: 107007

Ion Ratio Lower Upper

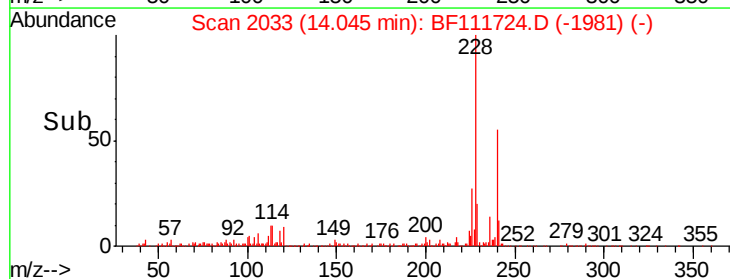
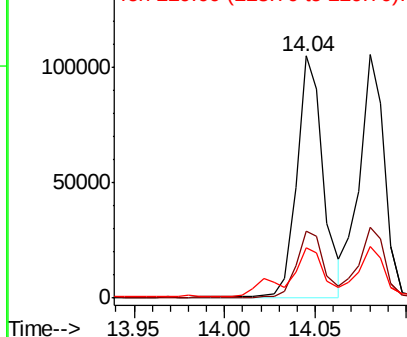
228 100

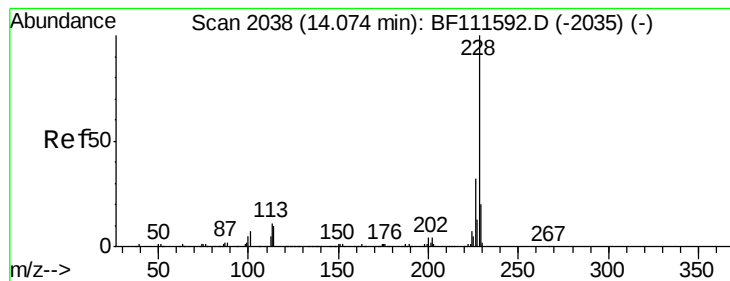
226 27.5 22.6 34.0

229 20.7 16.3 24.5



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





#83

Chrysene

Concen: 3.422 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

ClientSampled :

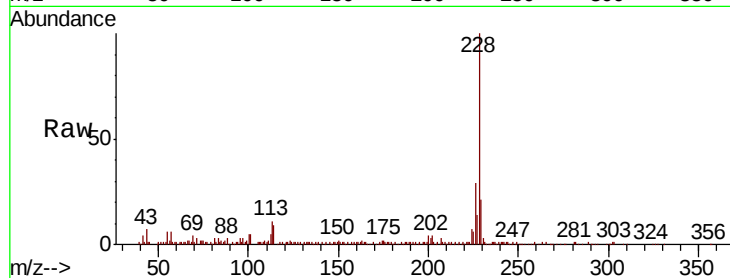
Tot Ion:228 Resp: 101013

Ion Ratio Lower Upper

228 100

226 29.3 25.3 37.9

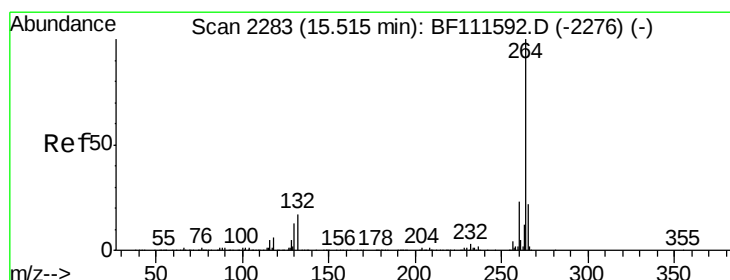
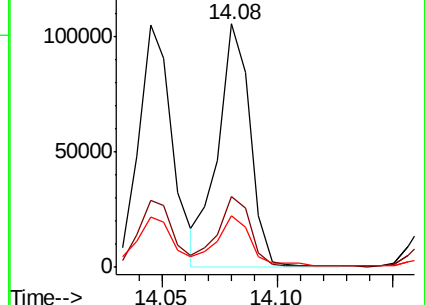
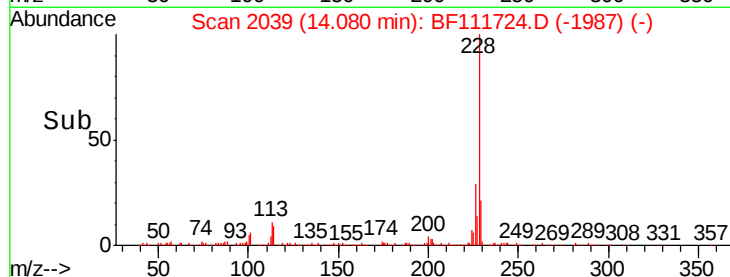
229 21.3 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

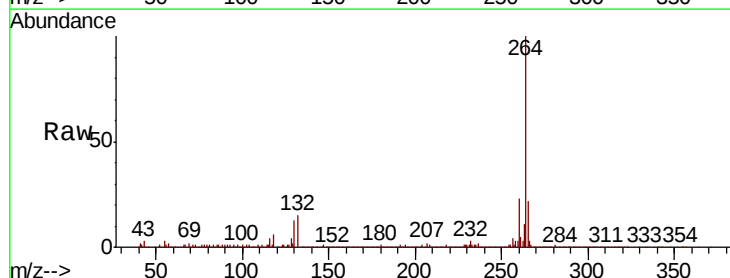
Tgt Ion:264 Resp: 426637

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

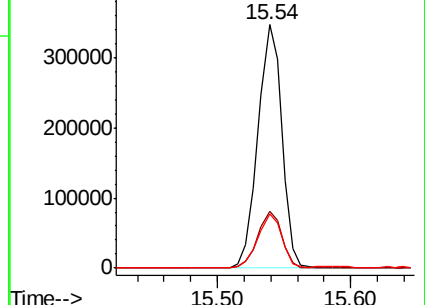
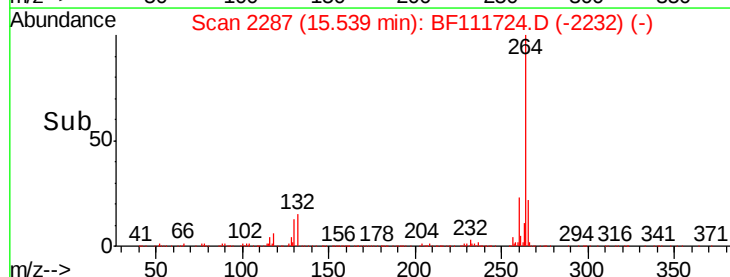
265 22.3 17.7 26.5

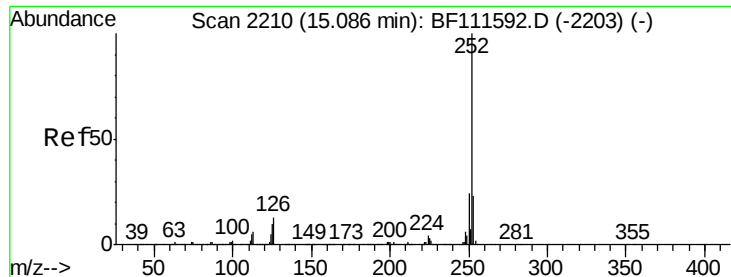


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

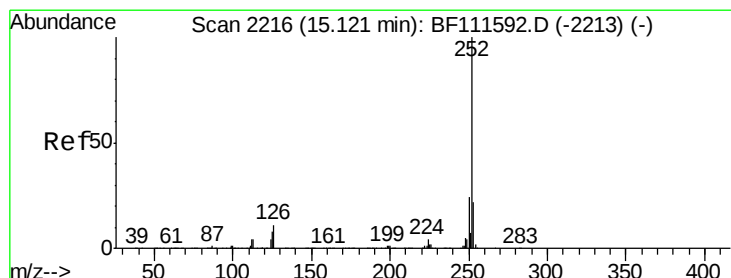
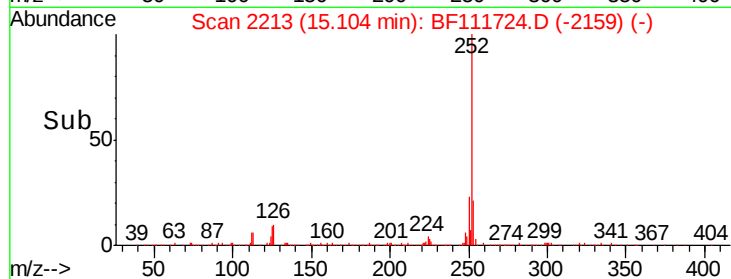
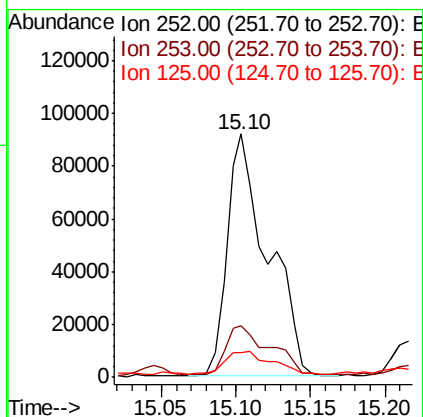
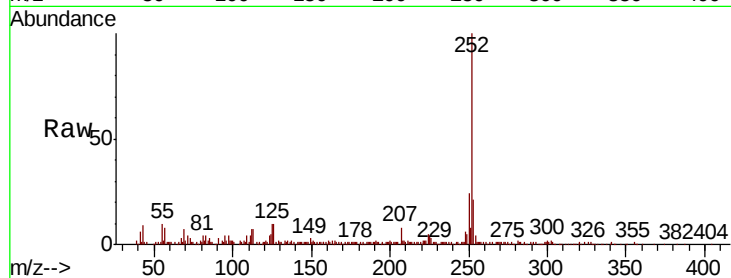




#88
Benzo(b)fluoranthene
Concen: 6.987 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

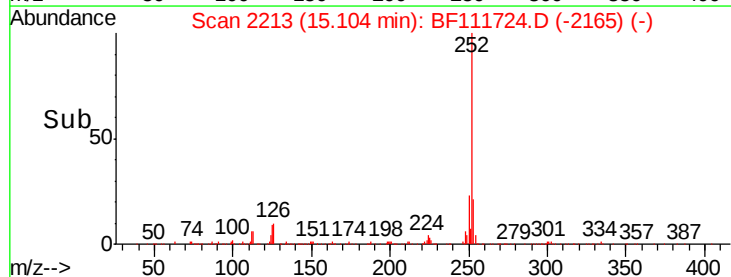
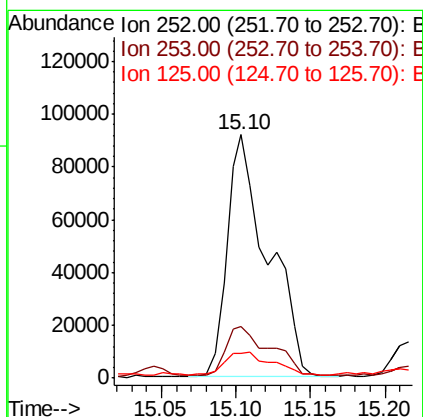
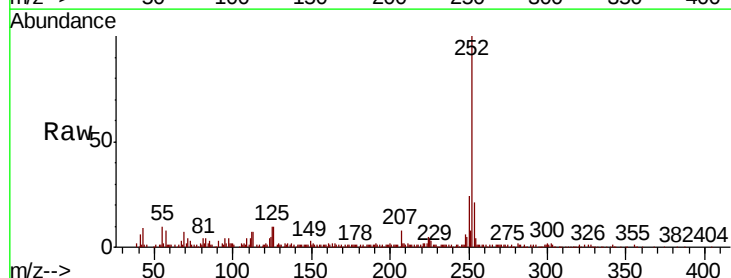
Instrument :
BNA_F
ClientSampleId :

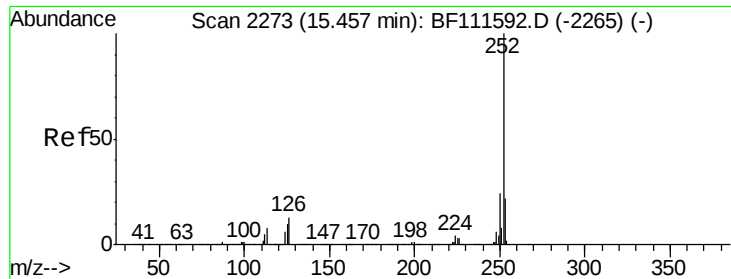
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	10.4	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 7.339 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	10.4	9.8	14.8

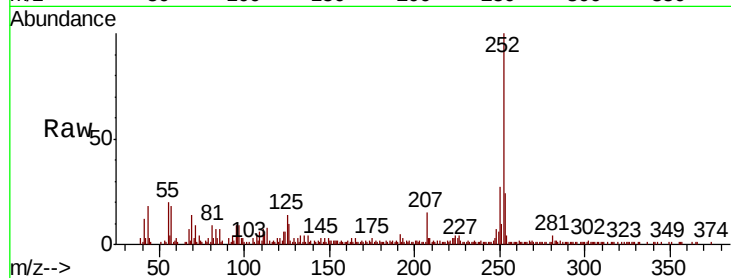




#90
Benzo(a)pyrene
Concen: 2.585 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	14.1	12.3	18.5

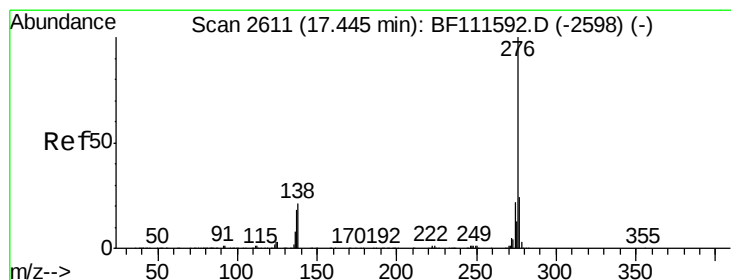
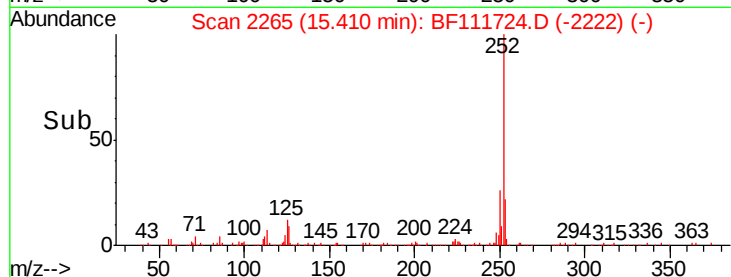
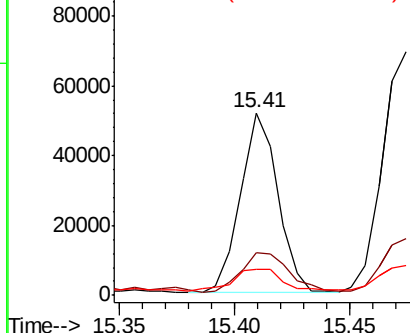


Abundance

Ion 252.00 (251.70 to 252.70): E

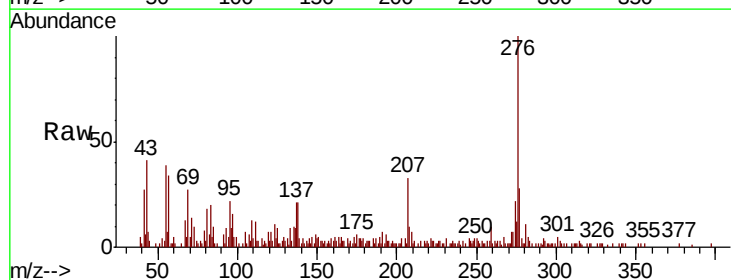
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.449 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.03 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.2	28.8
138	20.8	24.9	37.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

