

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113854.D
 Acq On : 19 Apr 2019 13:16
 Operator : JU/SJ
 Sample : K2484-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Quant Time: Apr 19 23:21:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	204363	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	762776	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	380421	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	674396	20.00	ng	0.00
76) Chrysene-d12	14.04	240	456009	20.00	ng	0.00
87) Perylene-d12	15.52	264	582242	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1000174	81.38	ng	0.01
7) Phenol-d6	6.52	99	1287200	83.98	ng	0.00
23) Nitrobenzene-d5	7.45	82	769747	61.45	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	362240	86.19	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1341086	53.76	ng	0.00
79) Terphenyl-d14	13.00	244	1130371	51.98	ng	0.00

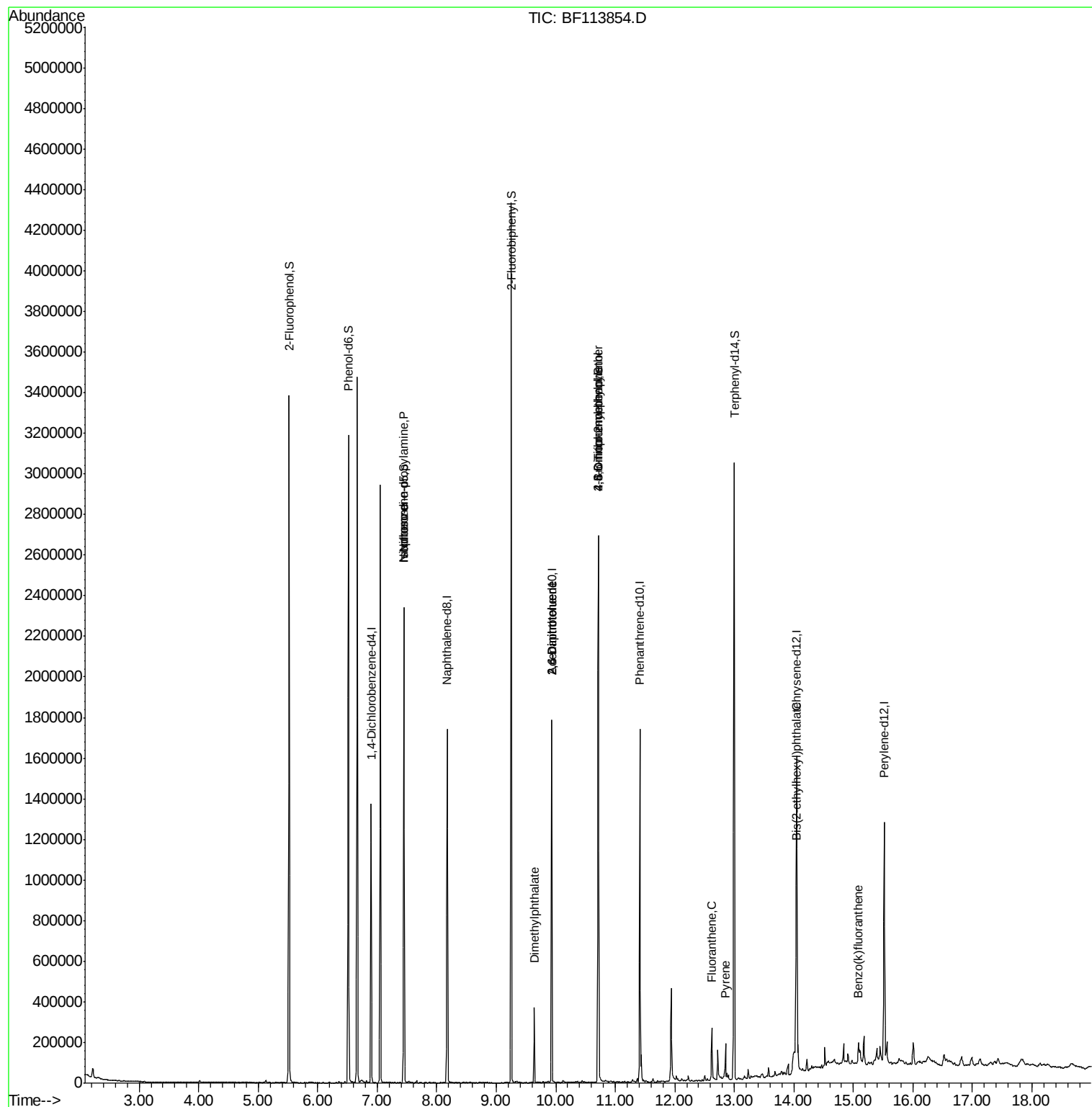
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2040	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	102083	9.978	ng	# 78
25) Isophorone	7.45	82	769740	29.680	ng	# 65
50) Dimethylphthalate	9.64	163	135102	5.075	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	48963	8.333	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	48963	6.717	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	634	7.122	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	22158	2.798	ng	# 1
75) Fluoranthene	12.62	202	91797	2.522	ng	# 96
78) Pyrene	12.85	202	72605	2.259	ng	# 97
84) Bis(2-ethylhexyl)phthalate	14.03	149	79484	5.581	ng	# 98
89) Benzo(k)fluoranthene	15.09	252	72014	2.178	ng	# 97

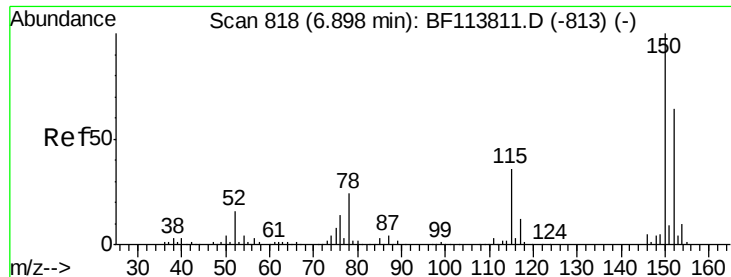
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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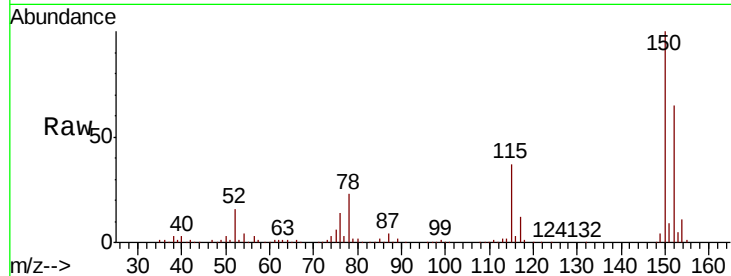


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.9	188.9
115	56.1	45.9	68.9

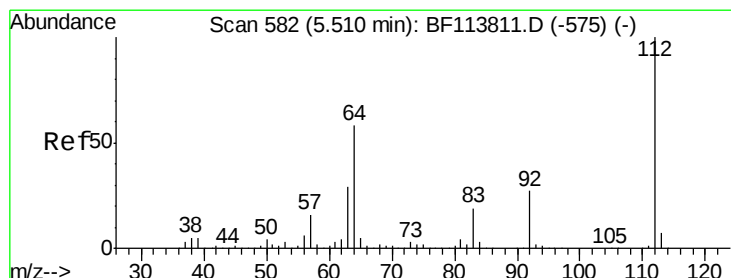
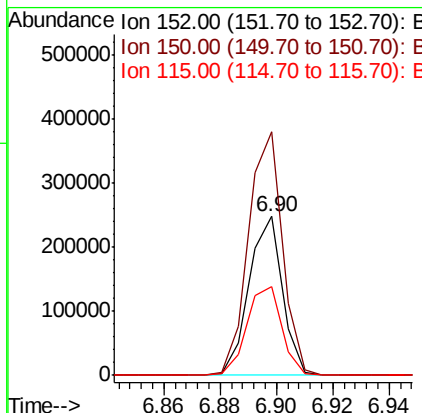
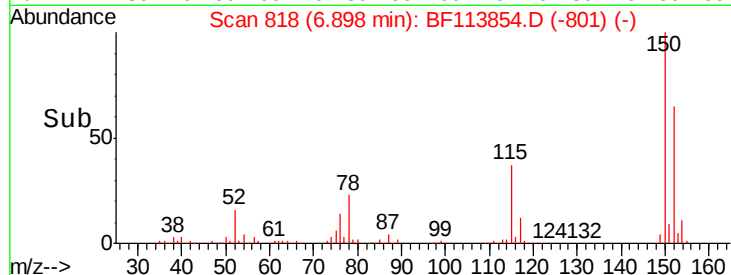


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

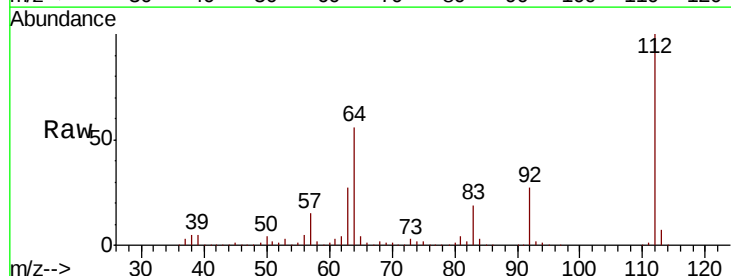
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 81.378 ng
 RT: 5.52 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.6	69.8
63	27.4	23.1	34.7

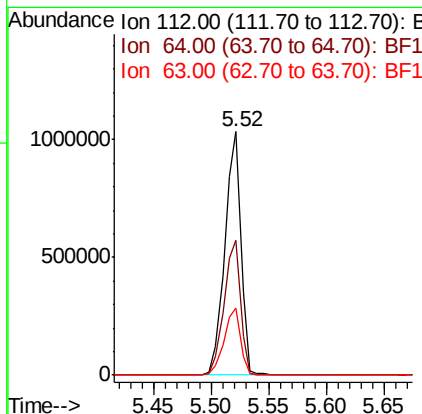
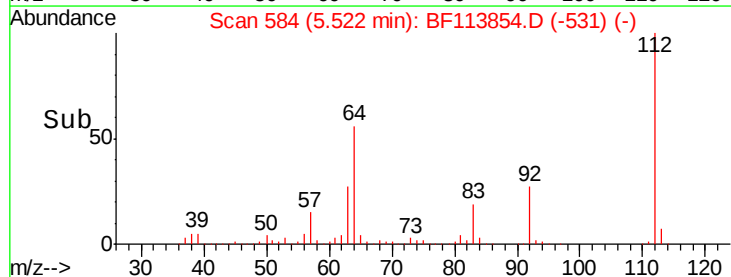


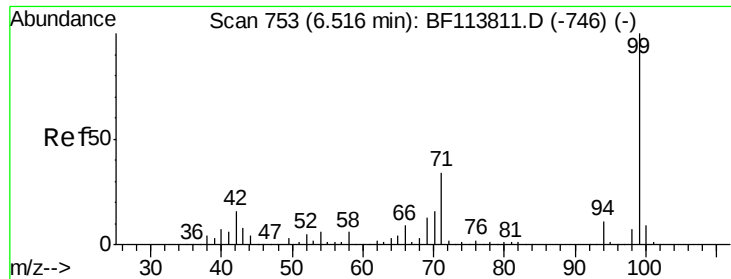
Abundance

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: 83.982 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

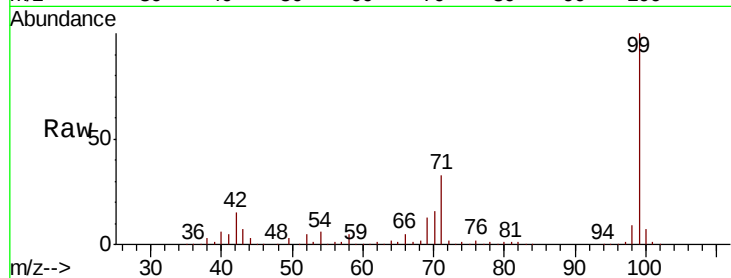
Tgt Ion: 99 Resp: 1287200

Ion Ratio Lower Upper

99 100

42 14.6 12.5 18.7

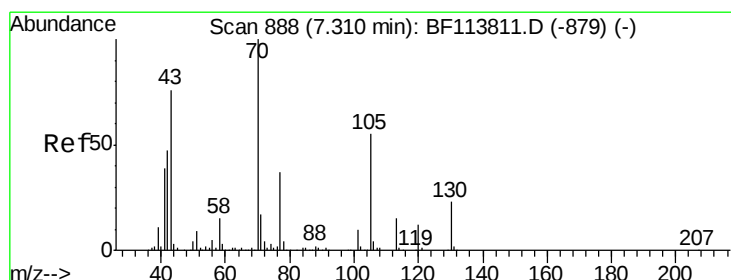
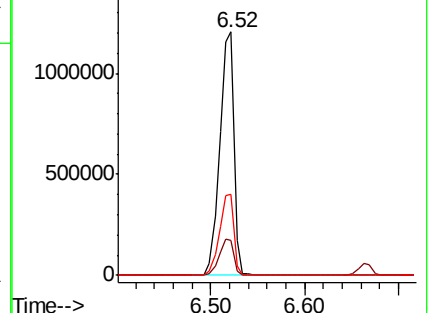
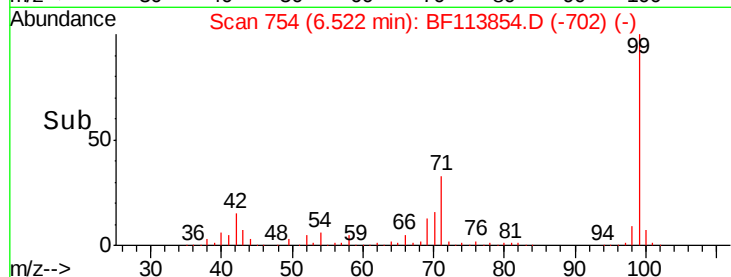
71 33.1 26.9 40.3



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: 9.978 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Tgt Ion: 70 Resp: 102083

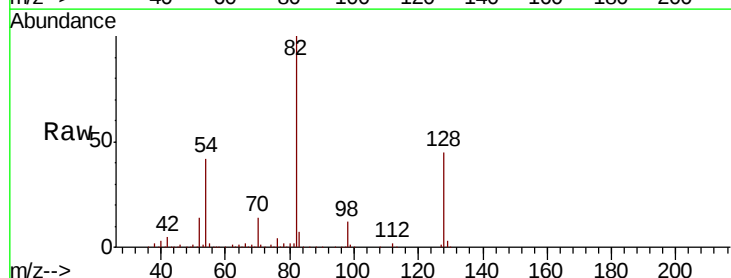
Ion Ratio Lower Upper

70 100

42 38.9 37.3 55.9

101 0.0 7.8 11.8#

130 2.0 18.2 27.2#

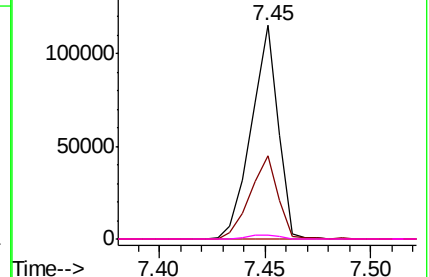
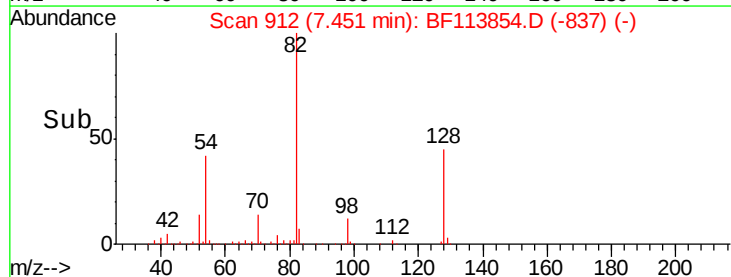


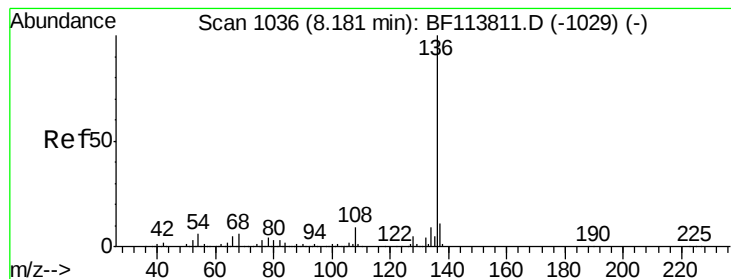
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

Tgt Ion: 136 Resp: 762776

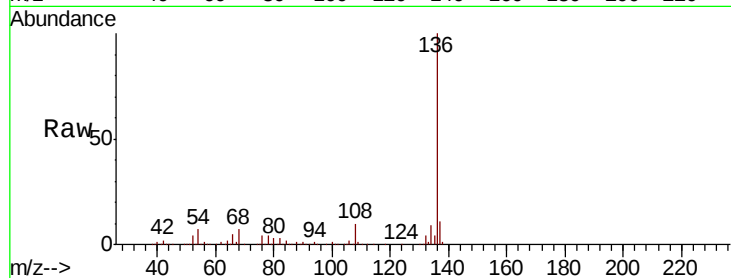
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.8 5.0 7.6

68 6.6 4.9 7.3

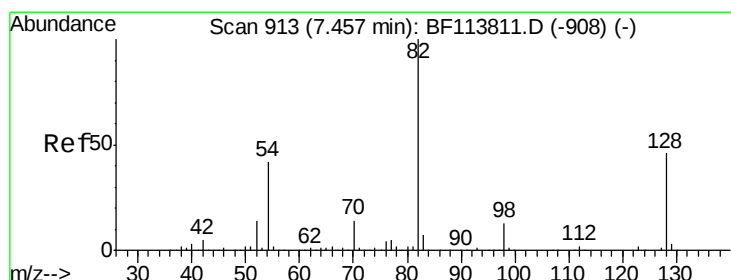
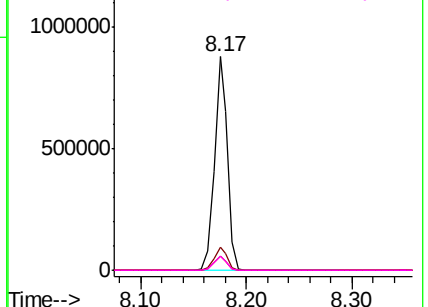
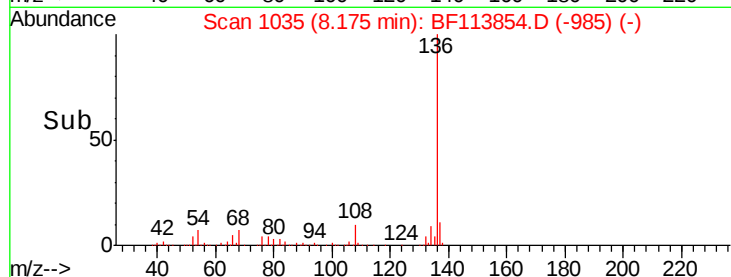


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.453 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

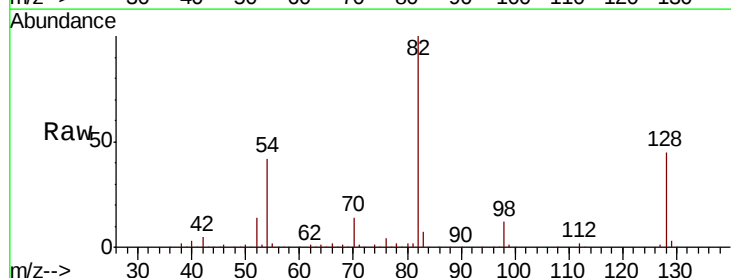
Tgt Ion: 82 Resp: 769747

Ion Ratio Lower Upper

82 100

128 45.2 36.8 55.2

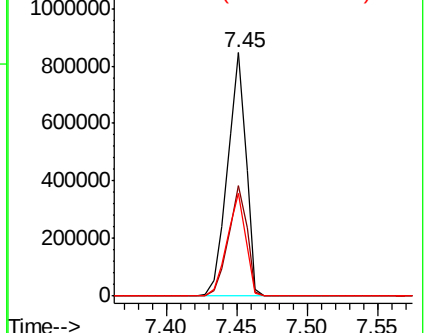
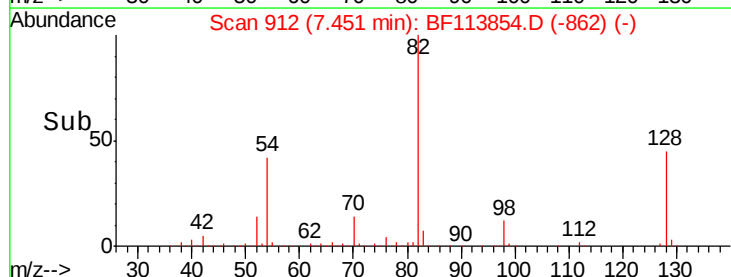
54 42.0 33.8 50.6

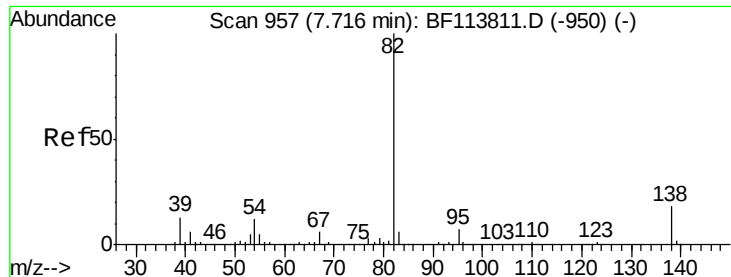


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.680 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

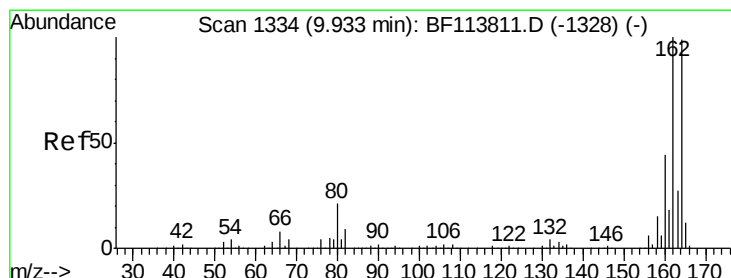
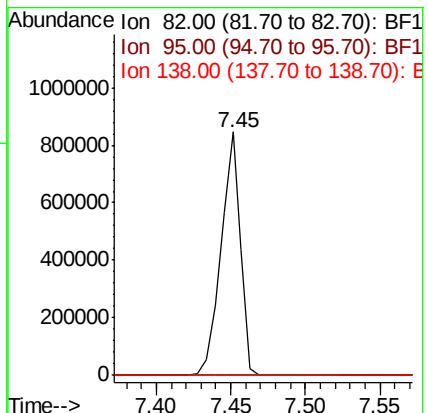
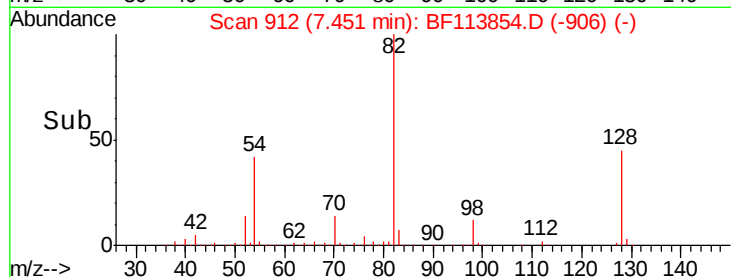
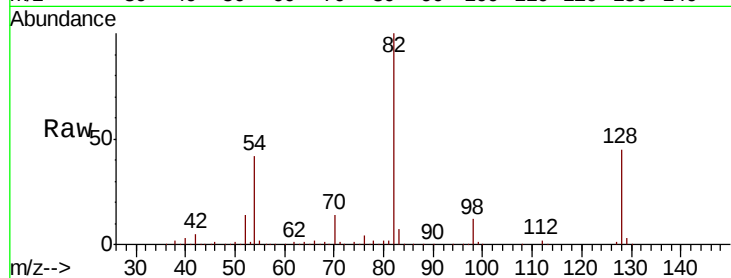
Tgt Ion: 82 Resp: 769740

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

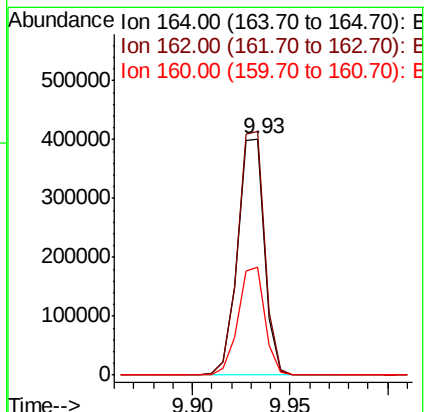
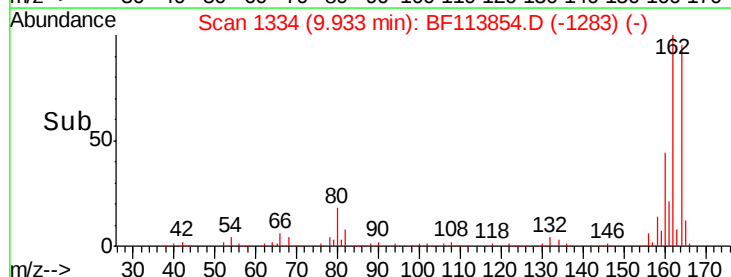
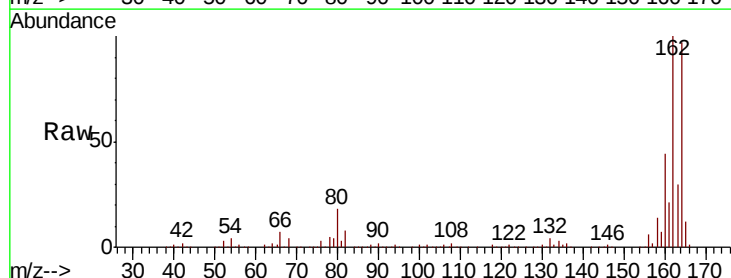
Tgt Ion: 164 Resp: 380421

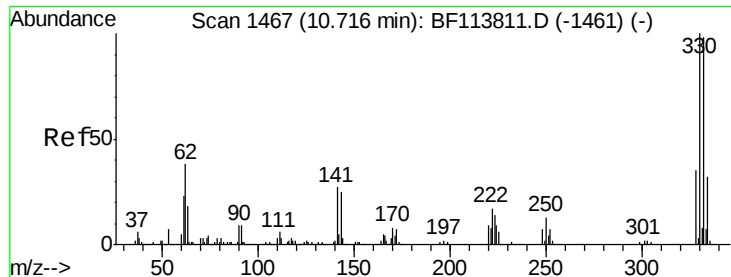
Ion Ratio Lower Upper

164 100

162 103.0 81.1 121.7

160 45.5 35.8 53.6

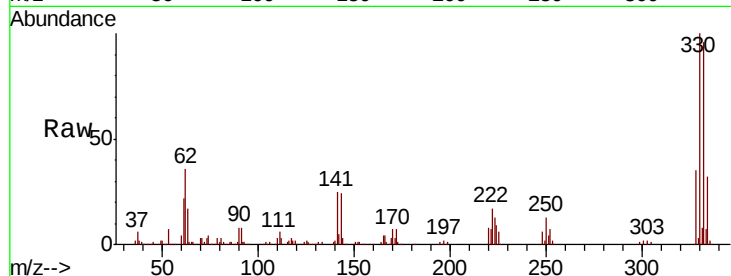




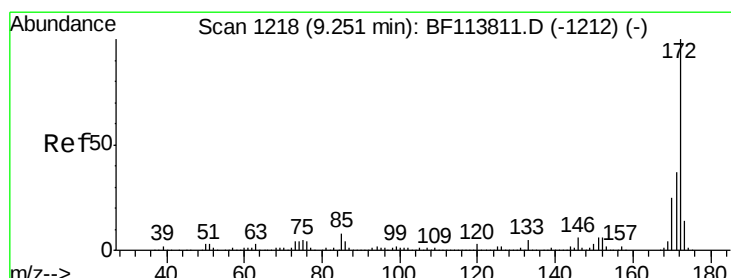
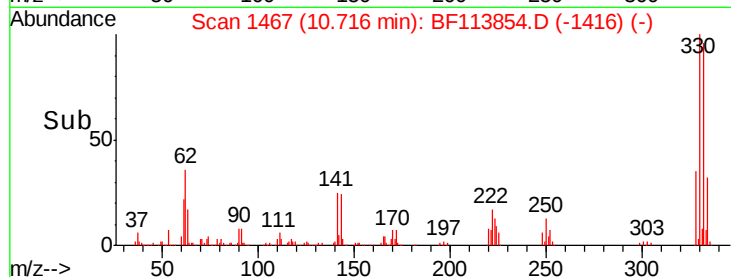
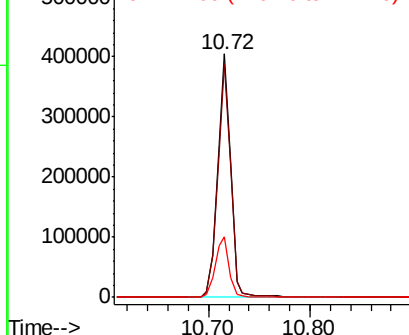
#42
 2,4,6-Tribromophenol
 Concen: 86.187 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Tgt Ion:330 Resp: 362240
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.5 116.3
 141 26.7 22.2 33.2

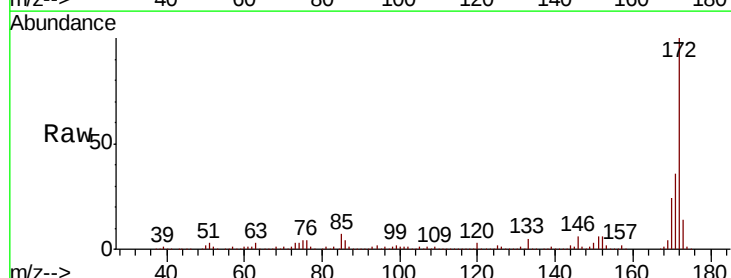


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

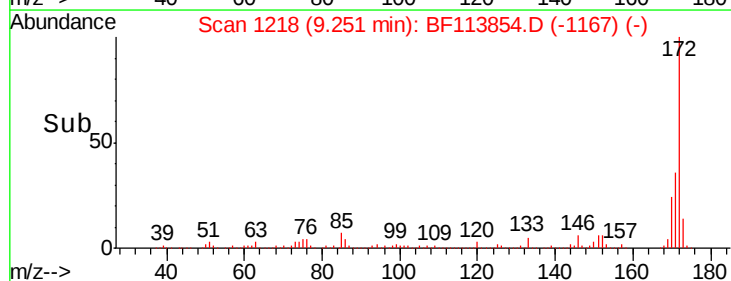
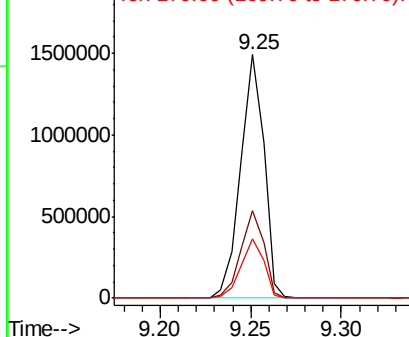


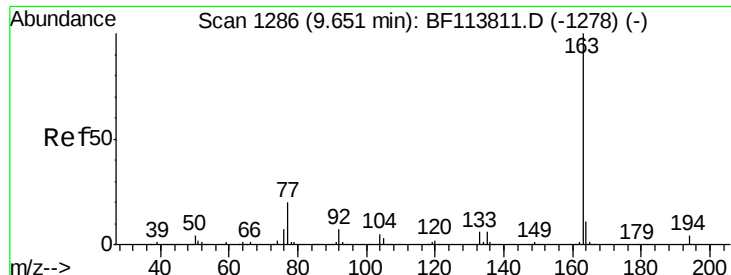
#45
 2-Fluorobiphenyl
 Concen: 53.762 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Tgt Ion:172 Resp: 1341086
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.4 19.9 29.9



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

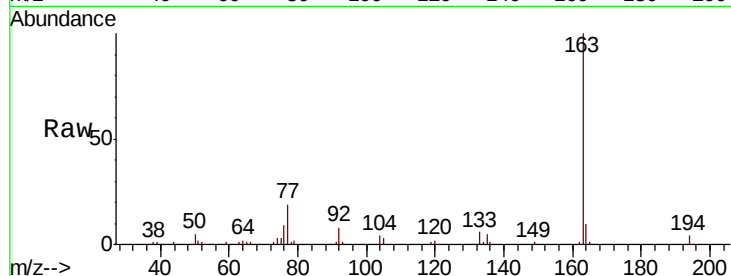




#50
Dimethylphthalate
Concen: 5.075 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113854.D
Acq: 19 Apr 2019 13:16

Instrument :
BNA_F
ClientSampleId :
72-12000

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.8	8.5	12.7

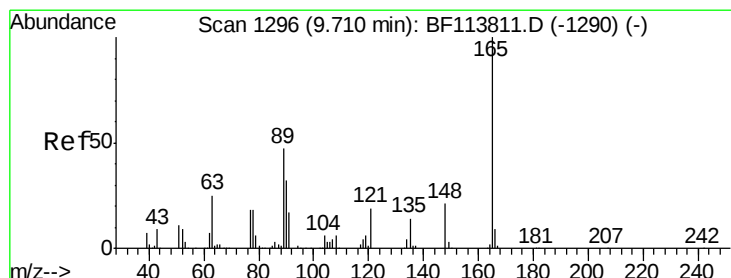
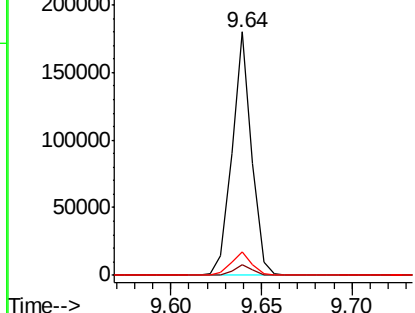
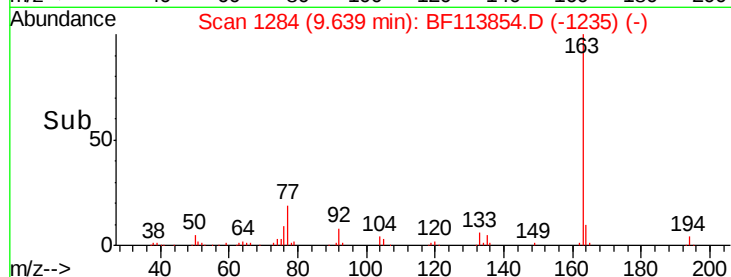


Abundance

Ion 163.00 (162.70 to 163.70): E

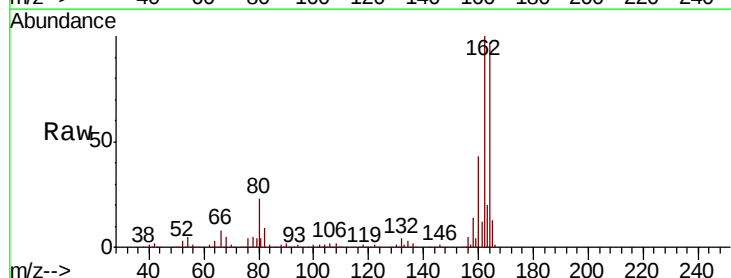
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.333 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF113854.D
Acq: 19 Apr 2019 13:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.8	50.8#
89	1.6	38.2	57.2#

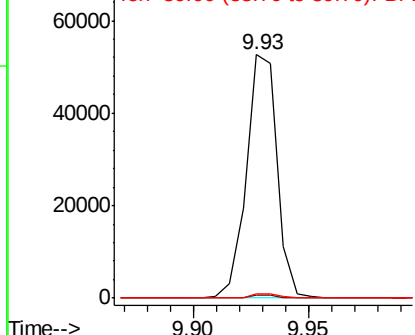
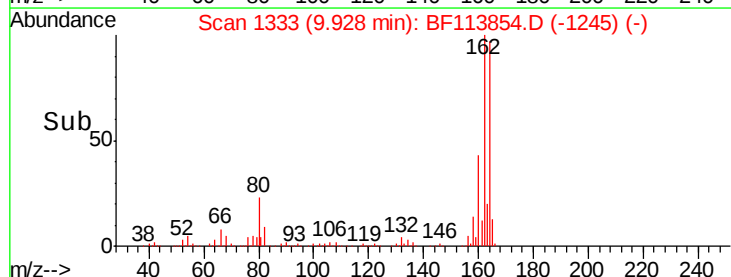


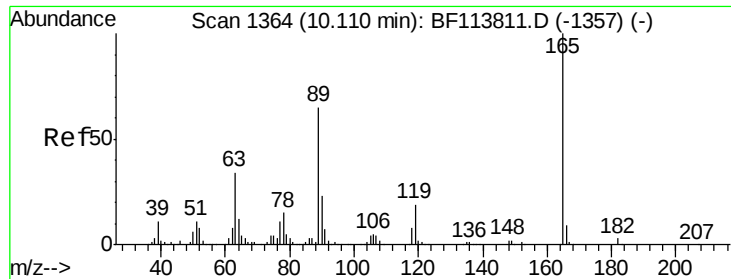
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 6.717 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

Tgt Ion:165 Resp: 48963

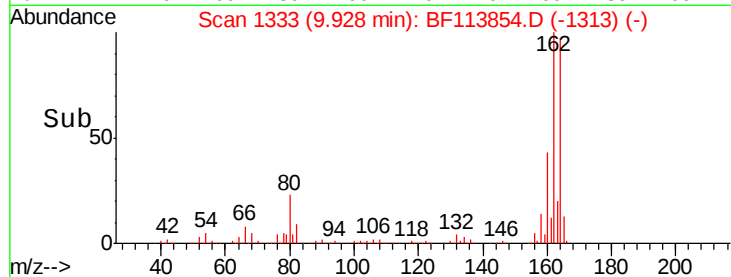
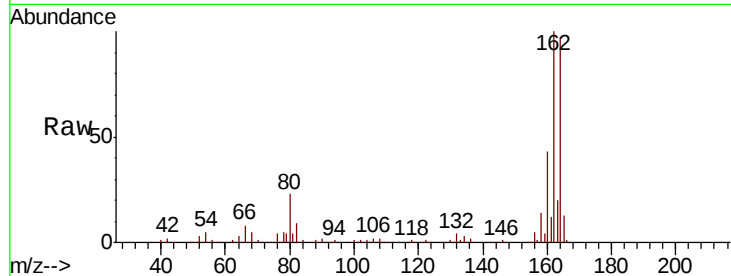
Ion Ratio Lower Upper

165 100

63 1.0 27.4 41.0#

89 1.6 51.8 77.6#

182 0.0 2.2 3.2#

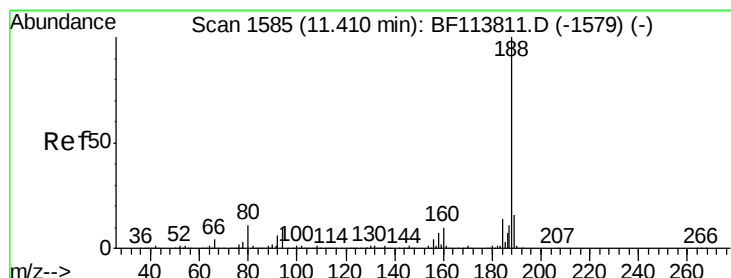
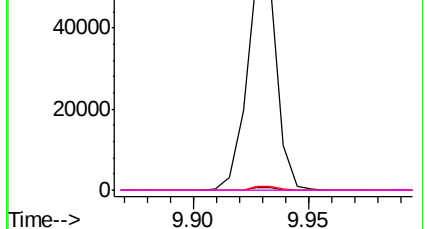


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

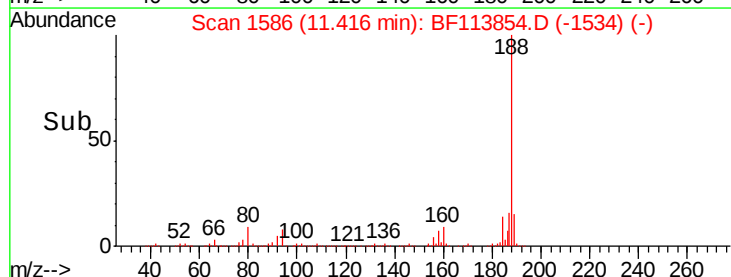
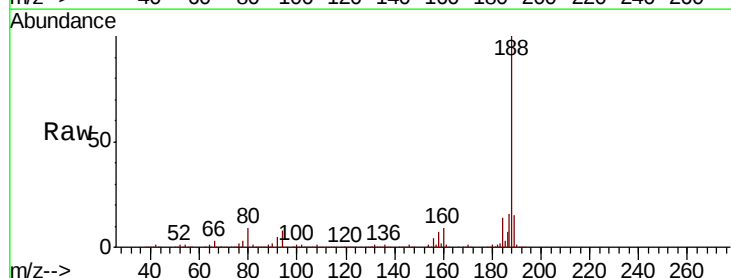
Tgt Ion:188 Resp: 674396

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.4

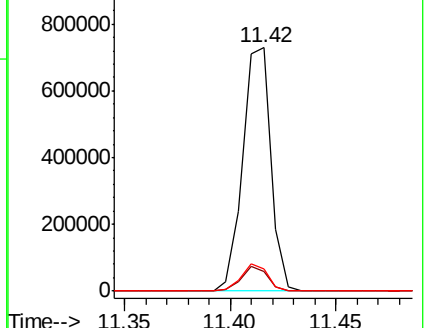
80 9.1 9.0 13.6

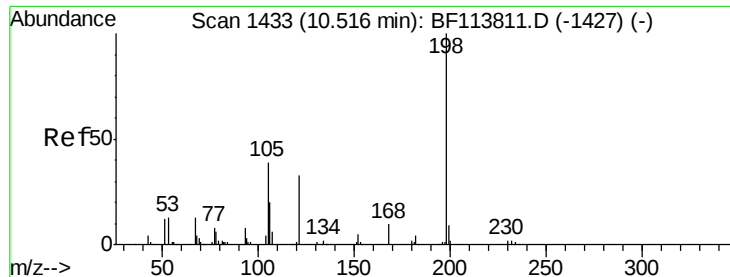


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

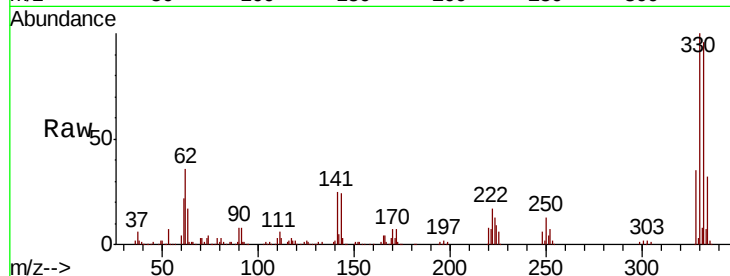




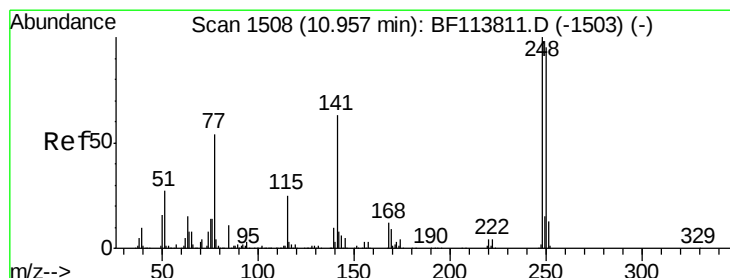
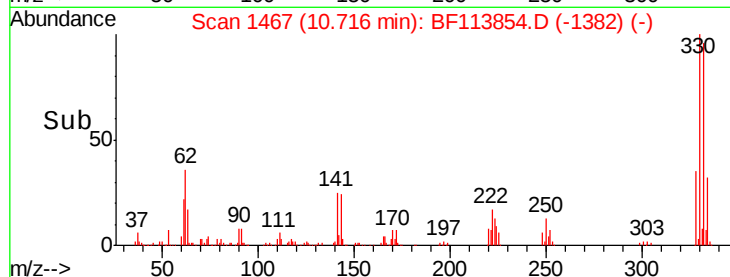
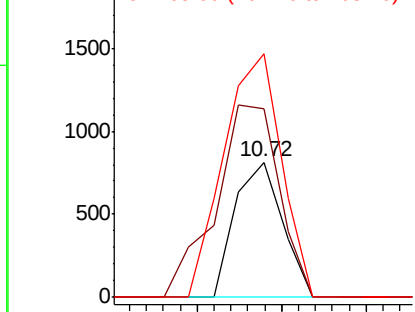
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.122 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Tgt Ion:198 Resp: 634
 Ion Ratio Lower Upper
 198 100
 51 139.4 11.1 51.1#
 105 180.5 20.7 60.7#

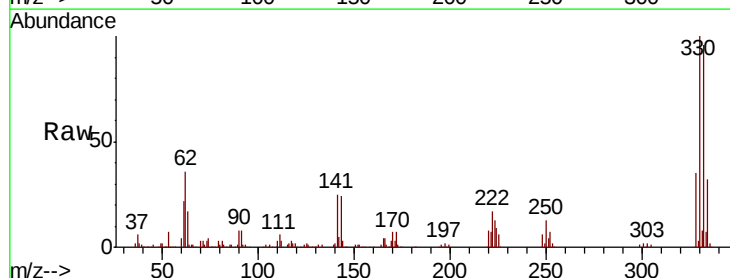


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

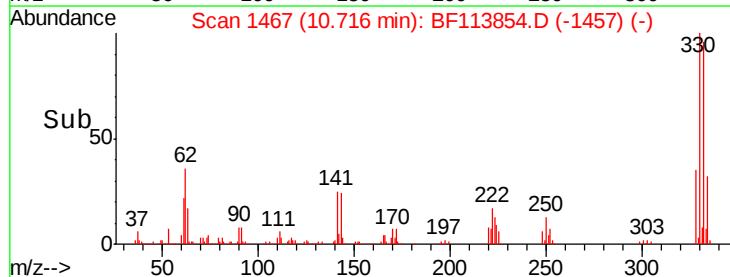
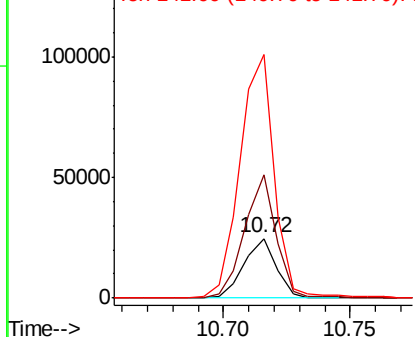


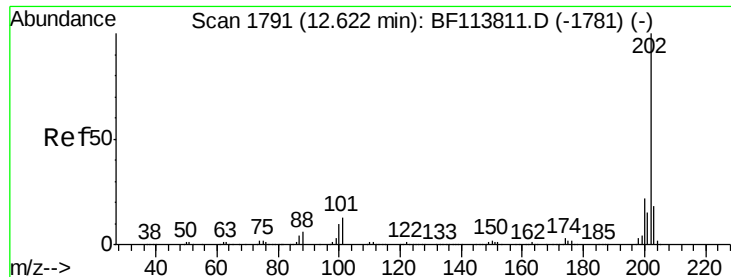
#67
 4-Bromophenyl-phenylether
 Concen: 2.798 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Tgt Ion:248 Resp: 22158
 Ion Ratio Lower Upper
 248 100
 250 206.4 75.8 113.6#
 141 409.5 50.2 75.4#



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





#75

Fluoranthene

Concen: 2.522 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

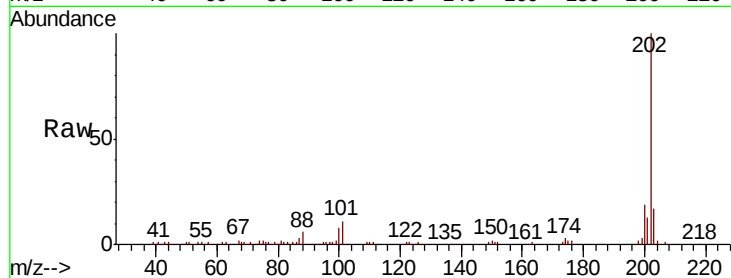
Tgt Ion: 202 Resp: 91797

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.9

203 16.8 0.0 38.2

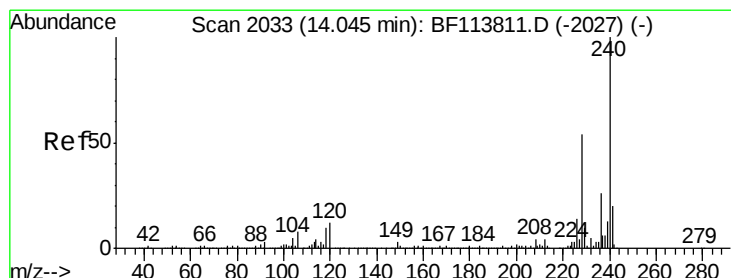
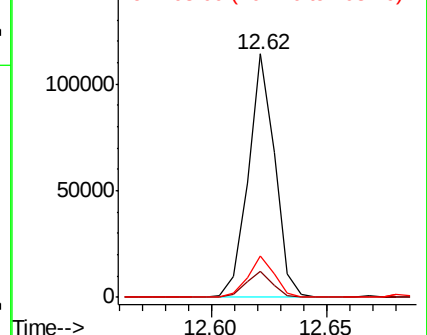
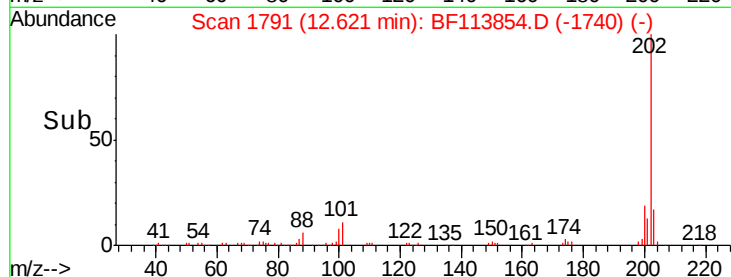


Abundance

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: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

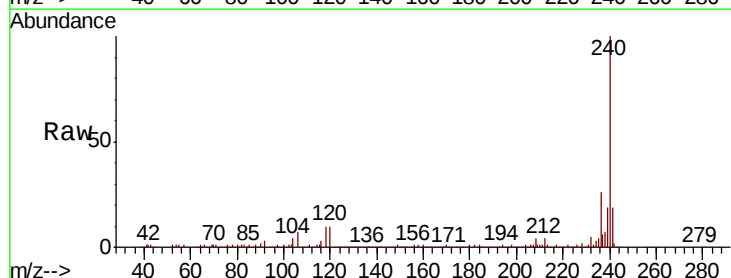
Tgt Ion: 240 Resp: 456009

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

236 26.1 21.2 31.8

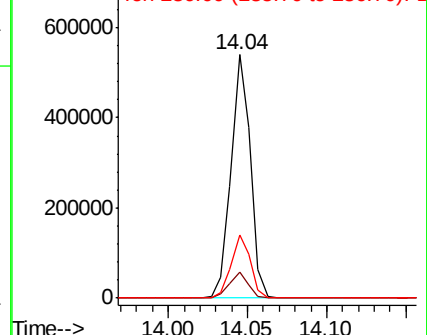
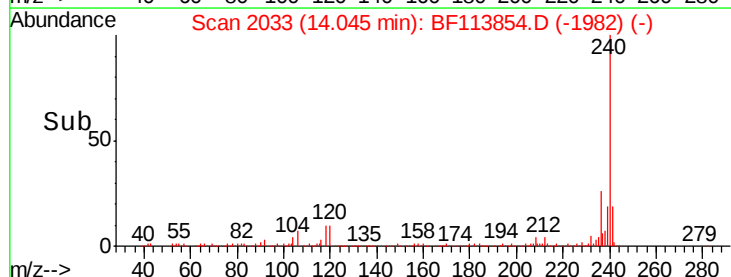


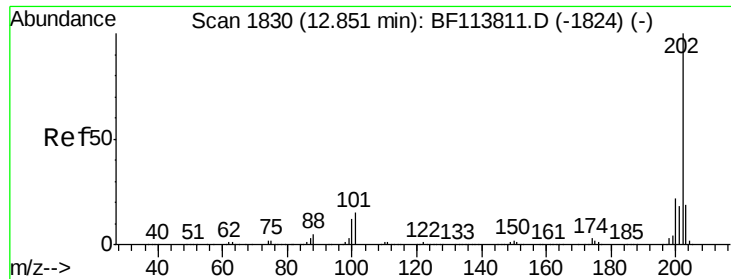
Abundance

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

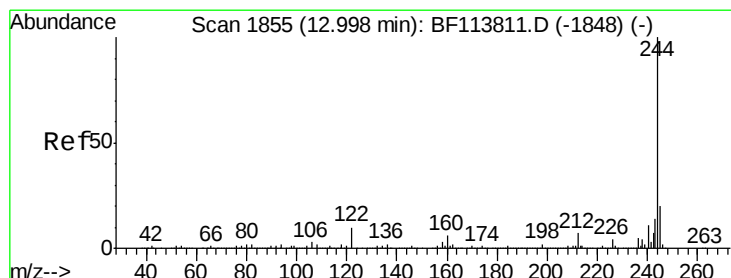
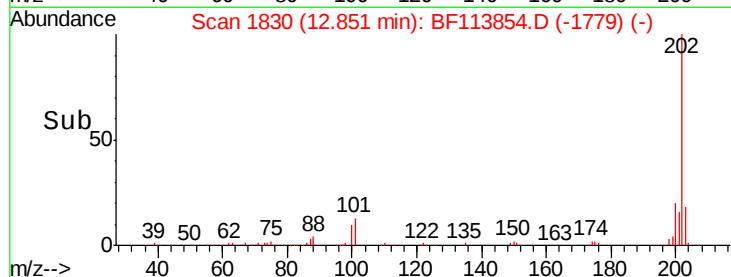
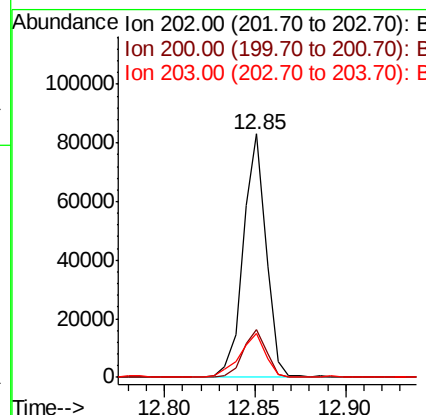
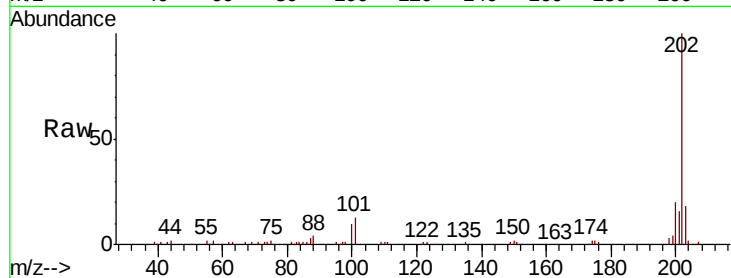




#78
 Pyrene
 Concen: 2.259 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

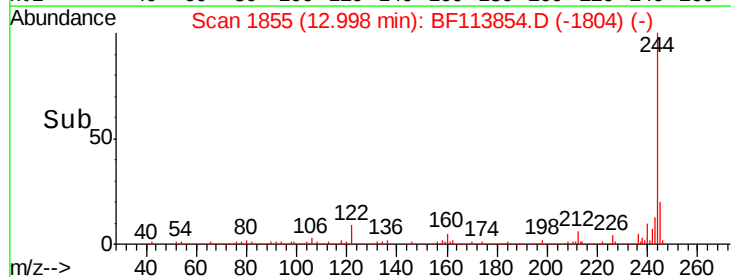
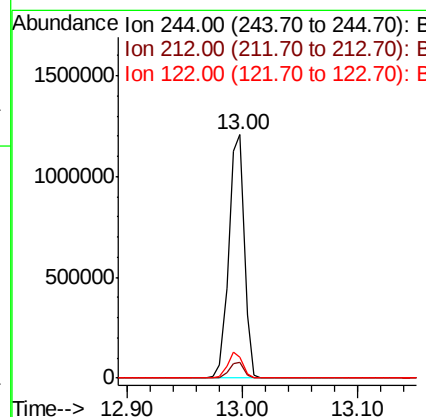
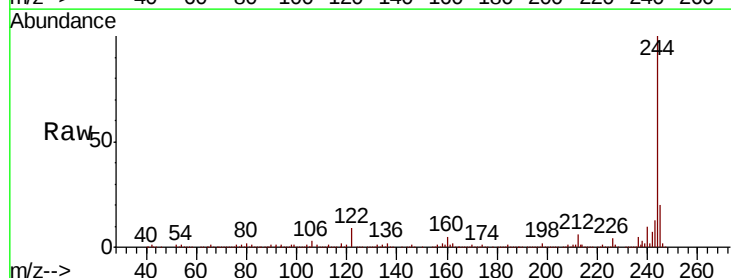
Instrument :
 BNA_F
 ClientSampleId :
 72-12000

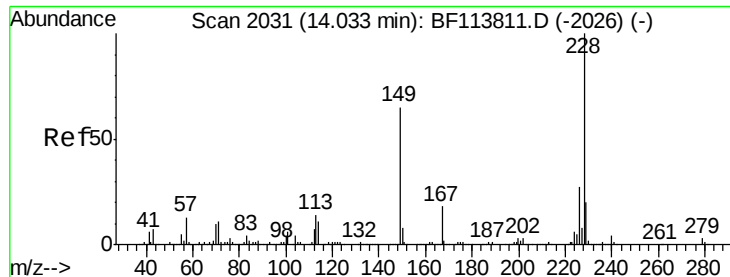
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.7	26.5
203	18.2	15.0	22.6



#79
 Terphenyl-d14
 Concen: 51.980 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF113854.D
 Acq: 19 Apr 2019 13:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.2
122	8.7	7.6	11.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.581 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

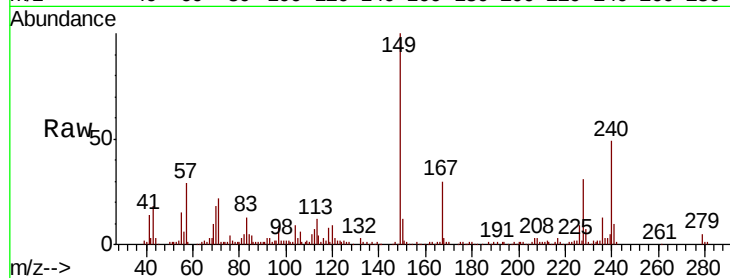
Tgt Ion:149 Resp: 79484

Ion Ratio Lower Upper

149 100

167 29.6 22.9 34.3

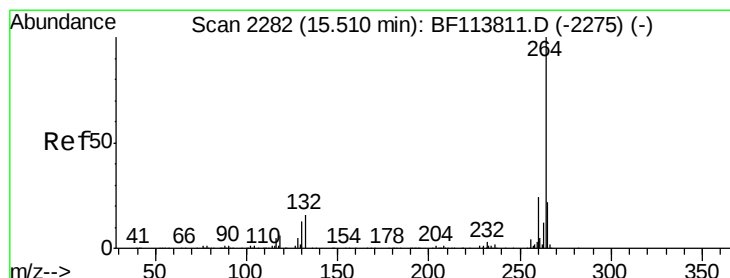
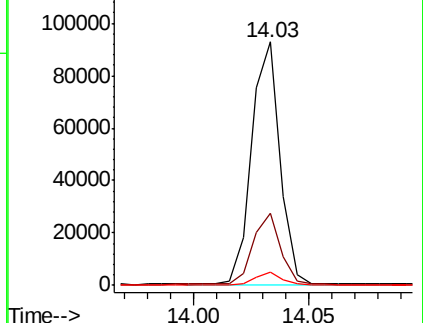
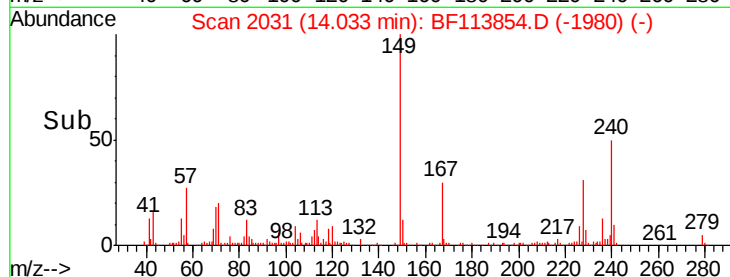
279 5.4 4.2 6.2



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: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

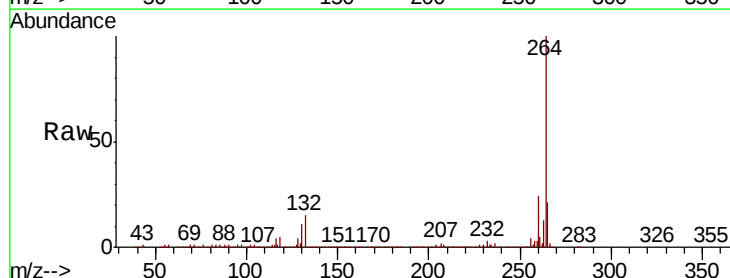
Tgt Ion:264 Resp: 582242

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

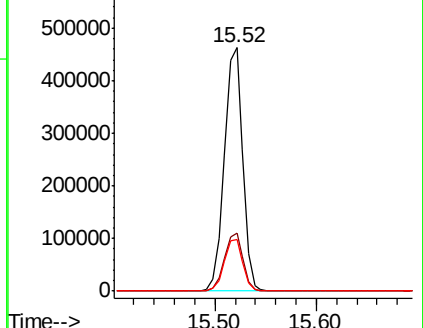
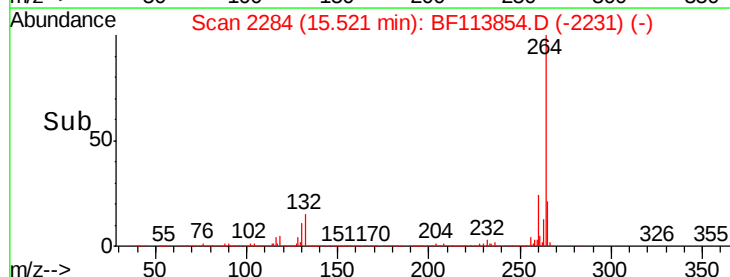
265 21.1 17.3 25.9

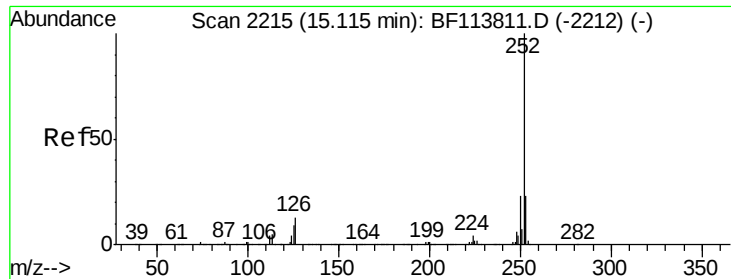


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 2.178 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.03 min

Lab File: BF113854.D

Acq: 19 Apr 2019 13:16

Instrument :

BNA_F

ClientSampleId :

72-12000

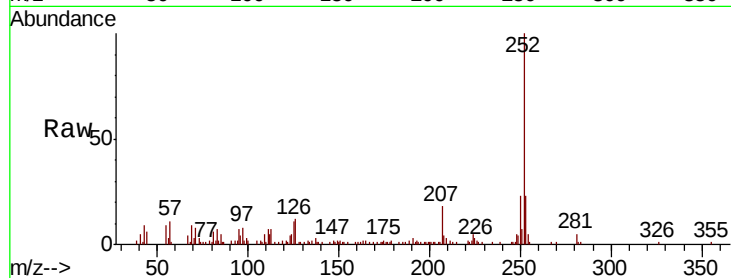
Tgt Ion: 252 Resp: 72014

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 11.3 7.4 11.2#



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

