

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113448.D
 Acq On : 30 Mar 2019 8:45
 Operator : JU/SJ
 Sample : K2153-28
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Apr 01 04:12:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

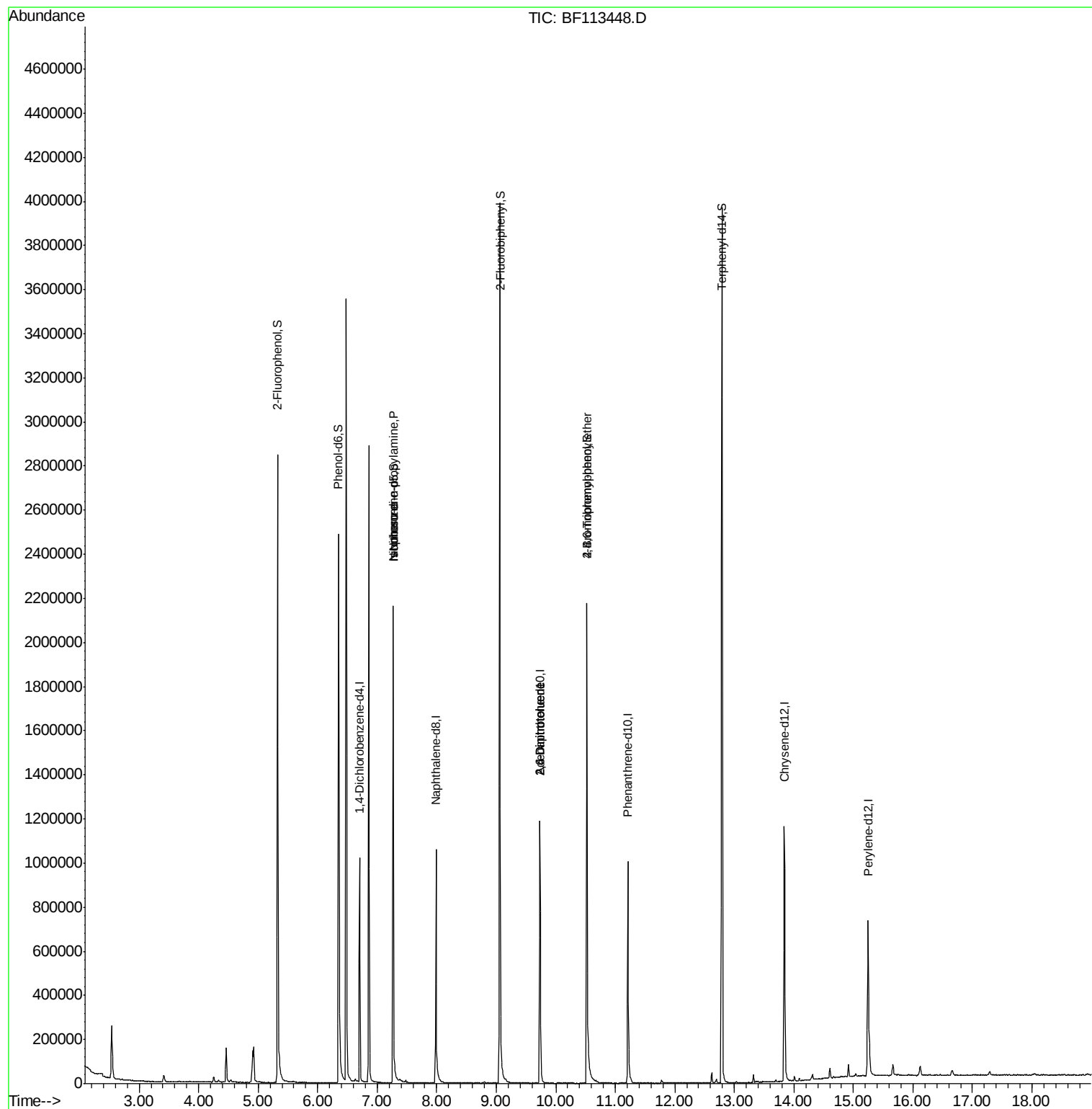
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	149134	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	557029	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	260314	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	479078	20.00	ng	0.00
76) Chrysene-d12	13.84	240	486393	20.00	ng	0.00
87) Perylene-d12	15.24	264	392325	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	904000	99.12	ng	0.01
7) Phenol-d6	6.35	99	1064156	92.23	ng	0.00
23) Nitrobenzene-d5	7.27	82	753125	80.25	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	362621	112.77	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1431046	86.47	ng	0.00
79) Terphenyl-d14	12.79	244	1512667	68.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	98450	13.584	ng	# 74
25) Isophorone	7.27	82	744846	40.954	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	32951	7.571	ng	# 27
57) 2,4-Dinitrotoluene	9.73	165	32951	5.954	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	19718	3.776	ng	# 1

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

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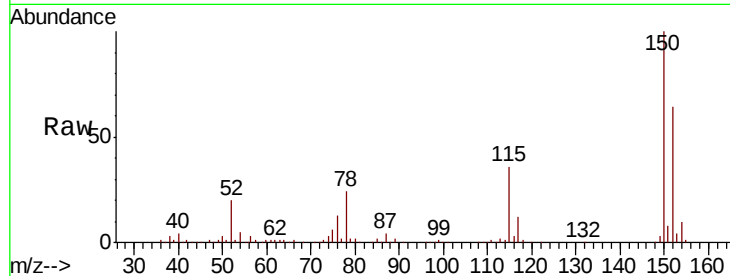


#1

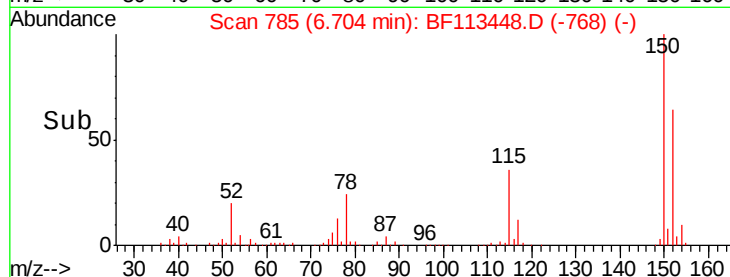
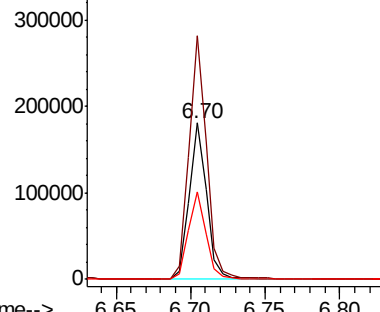
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113448.D
Acq: 30 Mar 2019 8:45

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:152 Resp: 149134
Ion Ratio Lower Upper
152 100
150 155.7 124.7 187.1
115 55.8 46.0 69.0



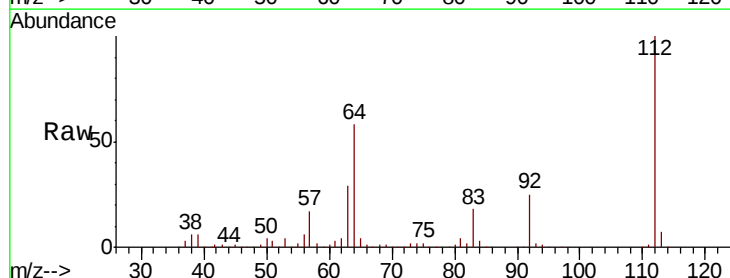
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



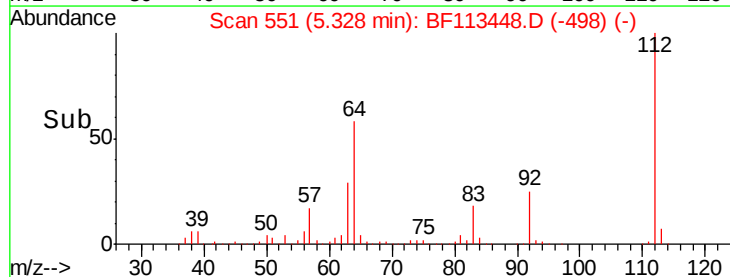
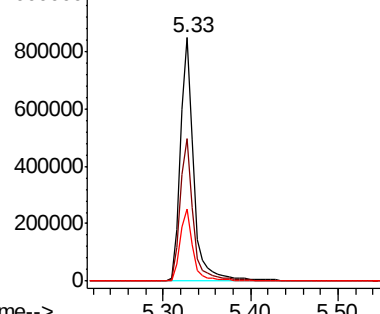
#5

2-Fluorophenol
Concen: 99.115 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF113448.D
Acq: 30 Mar 2019 8:45

Tgt Ion:112 Resp: 904000
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 29.4 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.229 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Instrument :

BNA_F

ClientSampleId :

SP-2

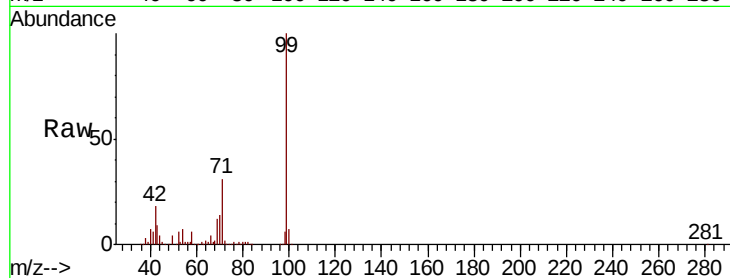
Tgt Ion: 99 Resp: 1064156

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

71 31.2 24.9 37.3

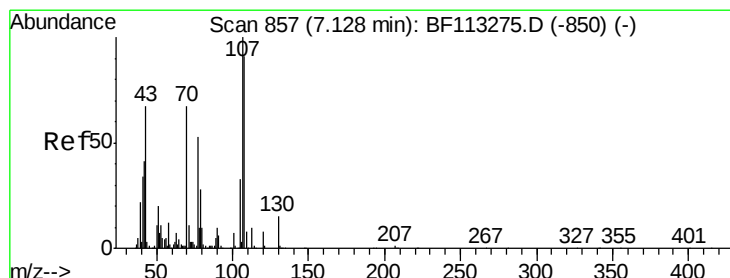
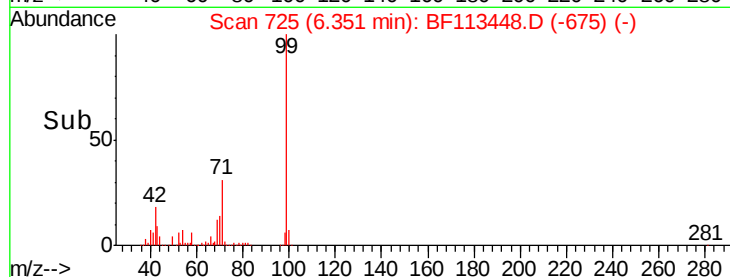
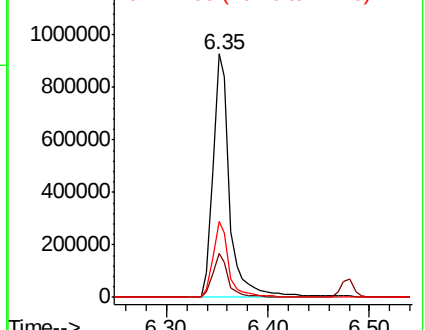


Abundance

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: 13.584 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Tgt Ion: 70 Resp: 98450

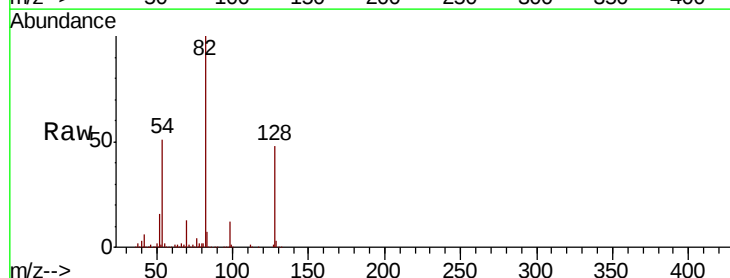
Ion Ratio Lower Upper

70 100

42 45.9 48.4 72.6#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#



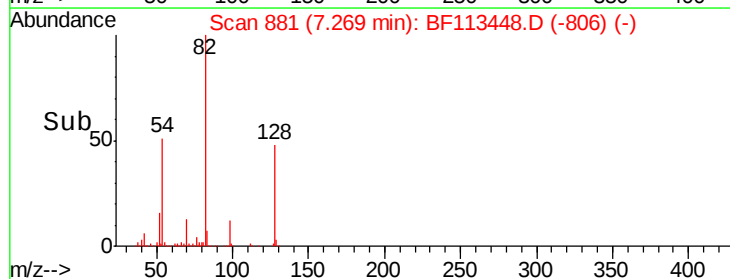
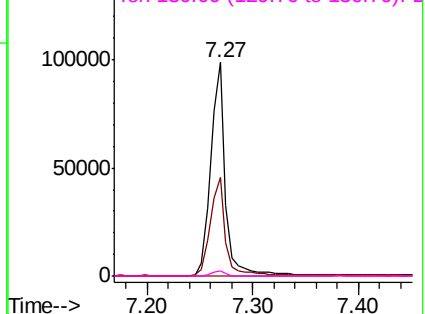
Abundance

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: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Instrument :

BNA_F

ClientSampleId :

SP-2

Tgt Ion: 136 Resp: 557029

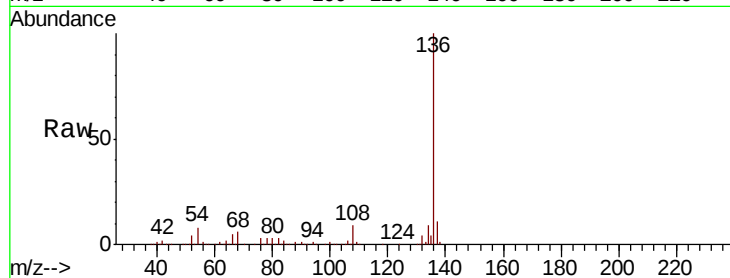
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.6 7.0 10.6

68 6.1 4.8 7.2

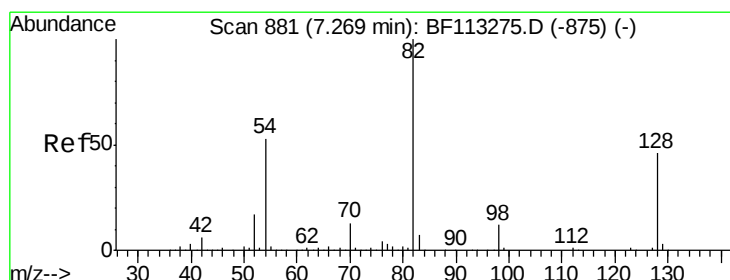
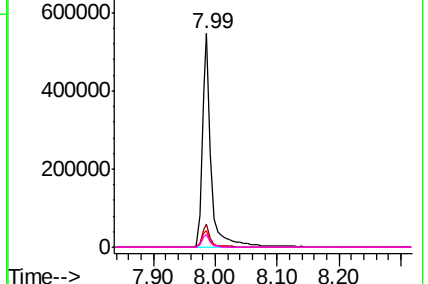
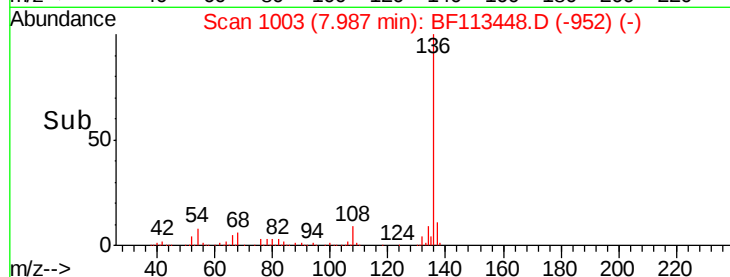


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.249 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

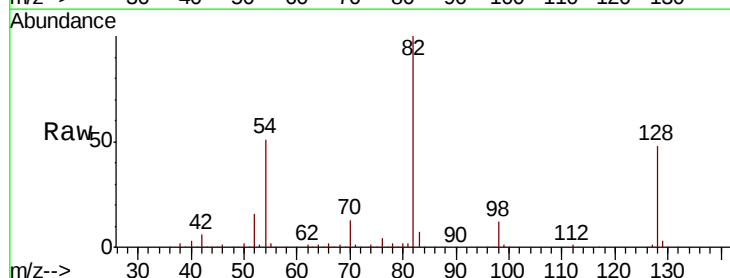
Tgt Ion: 82 Resp: 753125

Ion Ratio Lower Upper

82 100

128 47.8 36.5 54.7

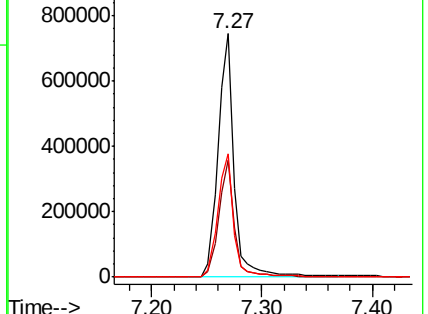
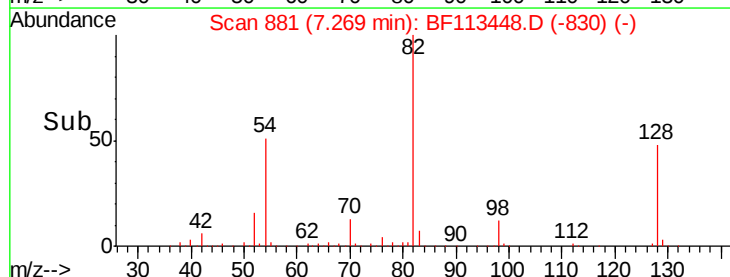
54 50.8 42.2 63.2

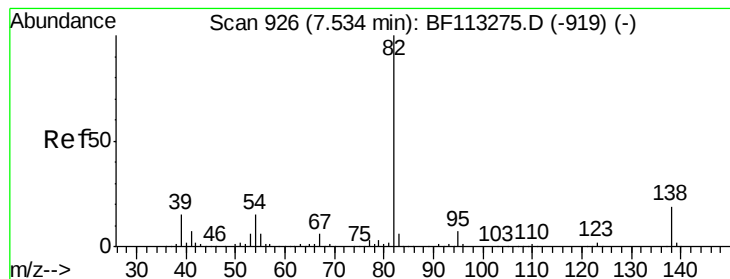


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.954 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Instrument :

BNA_F

ClientSampleId :

SP-2

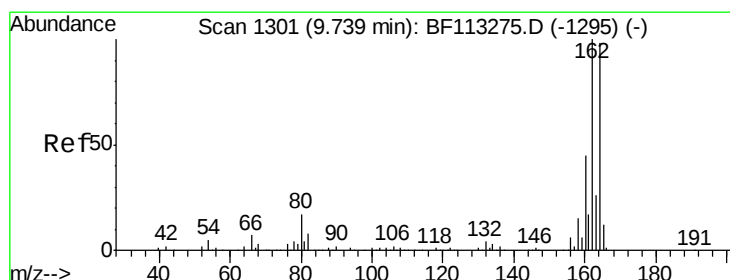
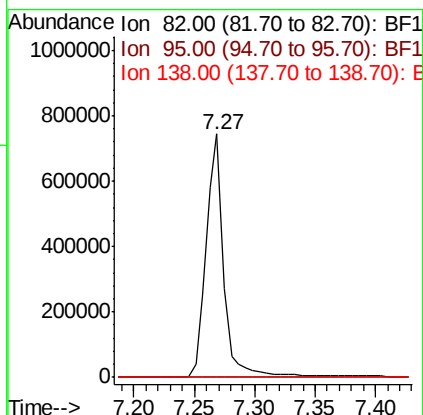
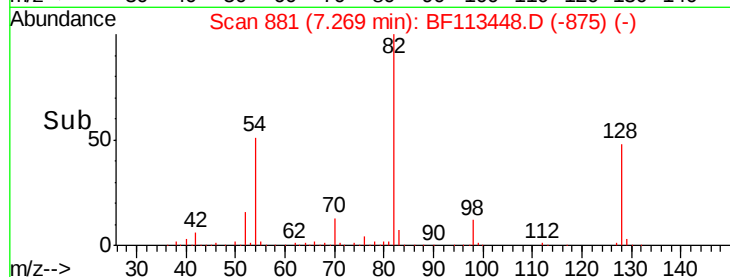
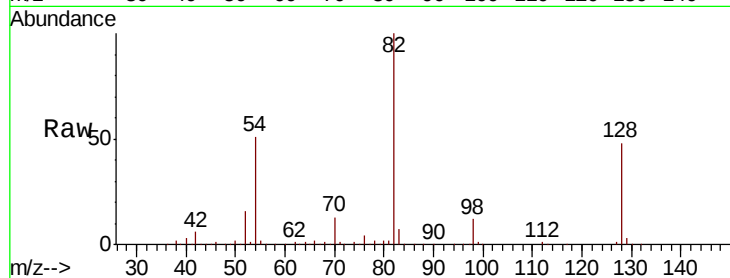
Tgt Ion: 82 Resp: 744846

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

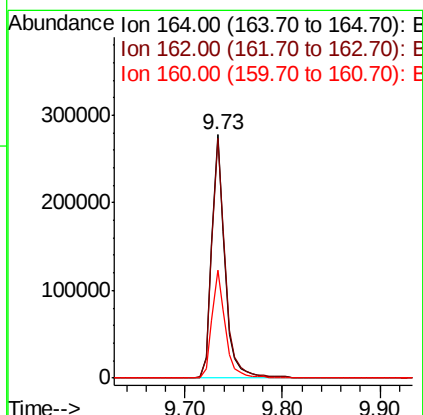
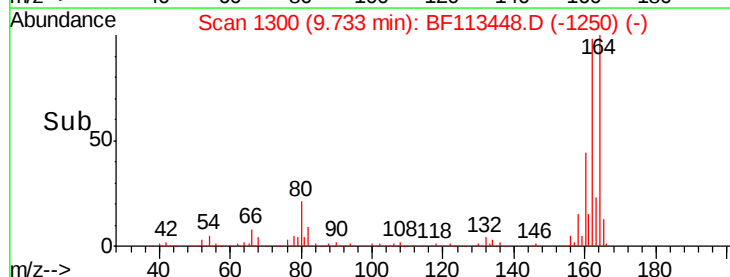
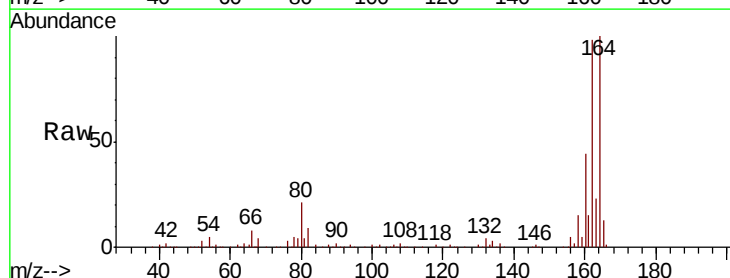
Tgt Ion: 164 Resp: 260314

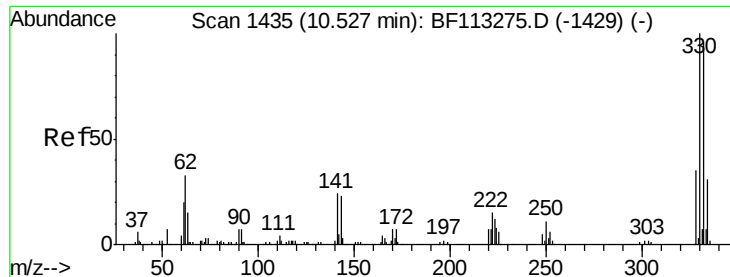
Ion Ratio Lower Upper

164 100

162 98.4 81.8 122.6

160 44.1 36.4 54.6

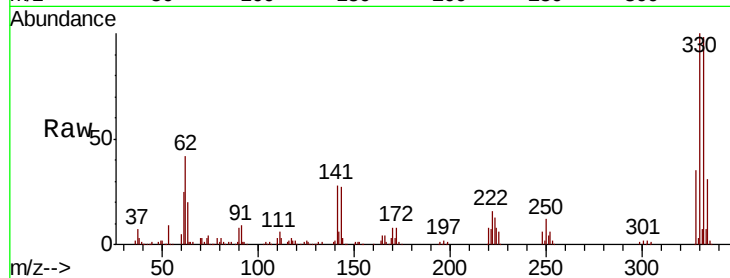




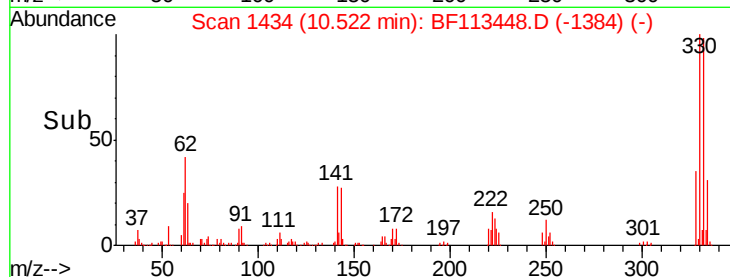
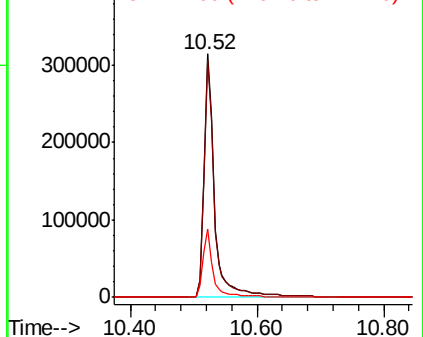
#42
 2,4,6-Tribromophenol
 Concen: 112.774 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113448.D
 Acq: 30 Mar 2019 8:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:330 Resp: 362621
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.8 116.6
 141 27.1 22.7 34.1

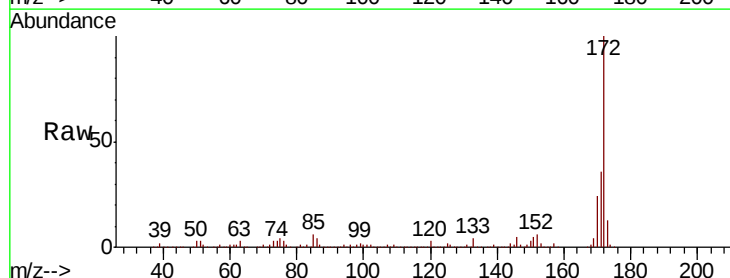


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

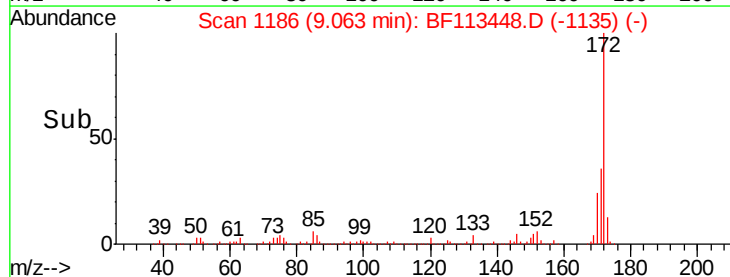
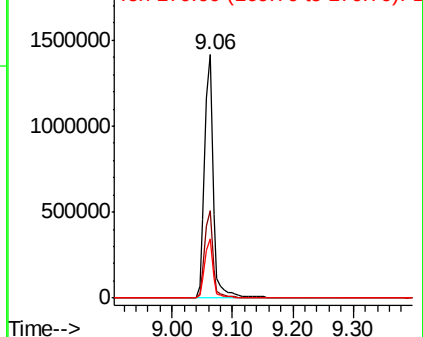


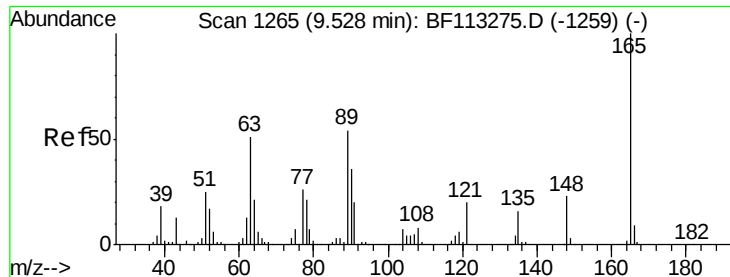
#45
 2-Fluorobiphenyl
 Concen: 86.468 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113448.D
 Acq: 30 Mar 2019 8:45

Tgt Ion:172 Resp: 1431046
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.4 19.5 29.3



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





#51

2,6-Dinitrotoluene

Concen: 7.571 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Instrument :

BNA_F

ClientSampleId :

SP-2

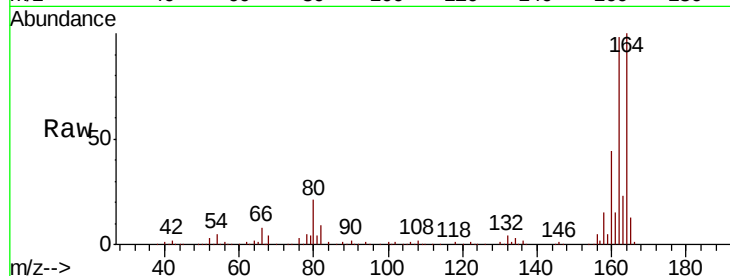
Tgt Ion:165 Resp: 32951

Ion Ratio Lower Upper

165 100

63 1.5 43.4 65.0#

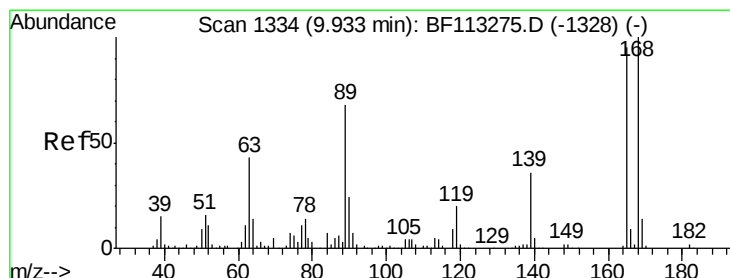
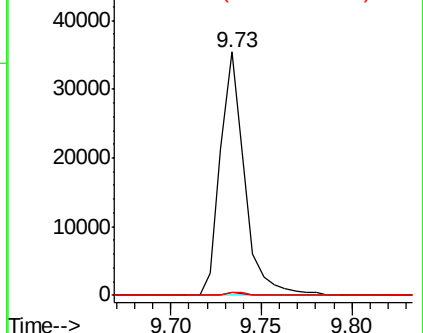
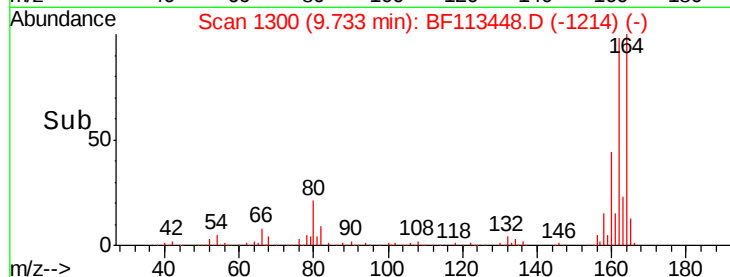
89 1.3 43.1 64.7#



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: 5.954 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Tgt Ion:165 Resp: 32951

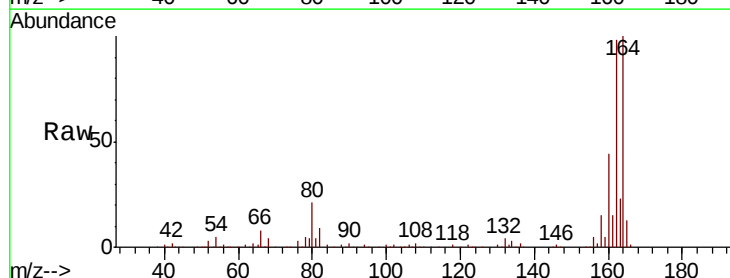
Ion Ratio Lower Upper

165 100

63 1.5 37.5 56.3#

89 1.3 57.4 86.2#

182 0.0 2.0 3.0#

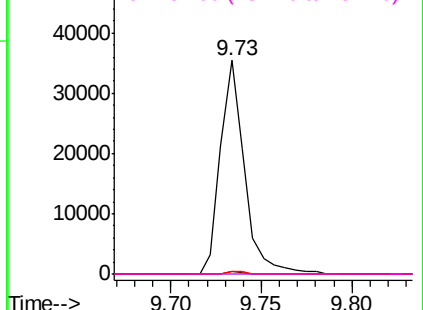
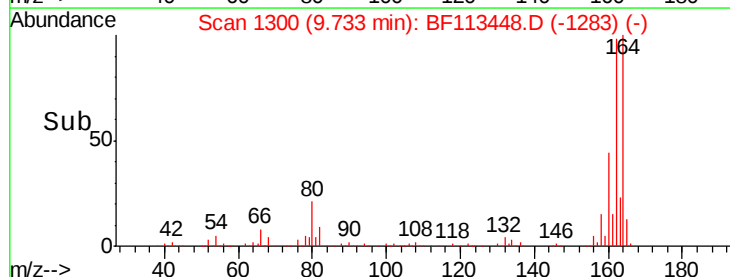


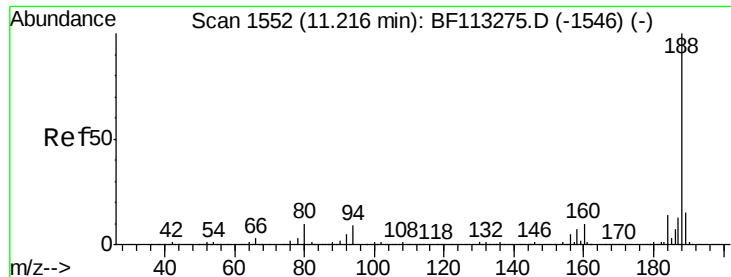
Abundance Ion 165.00 (164.70 to 165.70): E

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

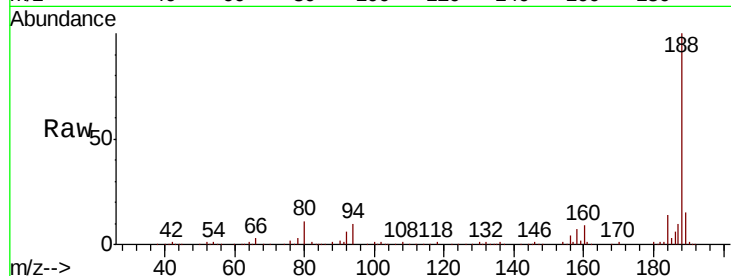




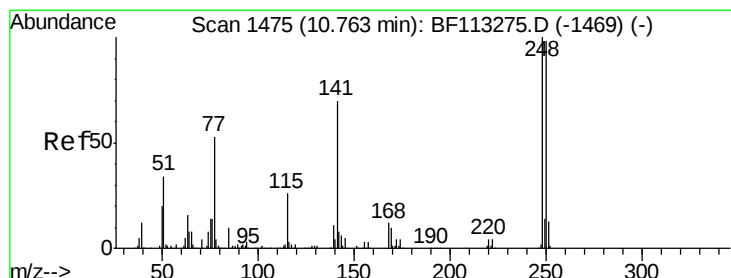
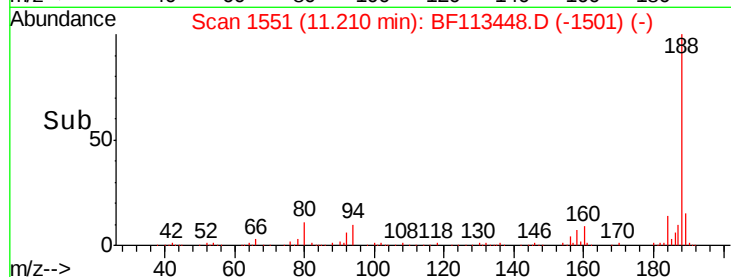
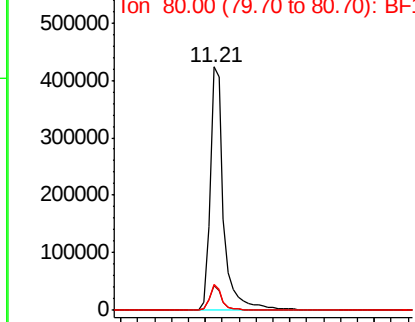
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113448.D
 Acq: 30 Mar 2019 8:45

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tgt Ion:188 Resp: 479078
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.0 10.6
 80 10.7 7.7 11.5

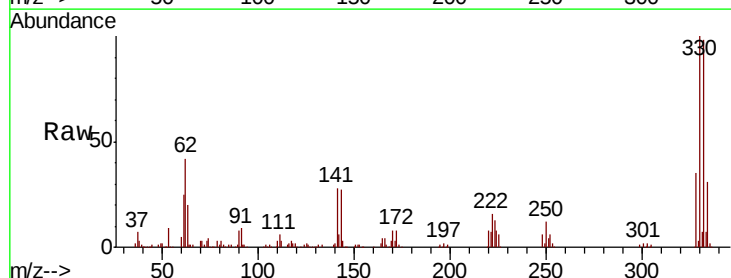


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

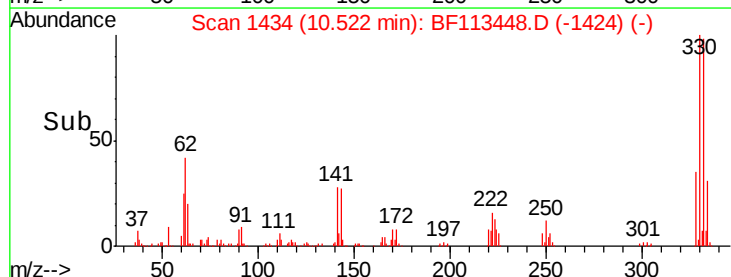
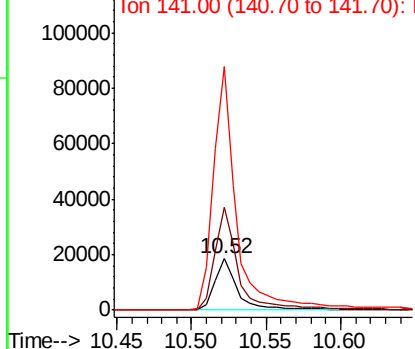


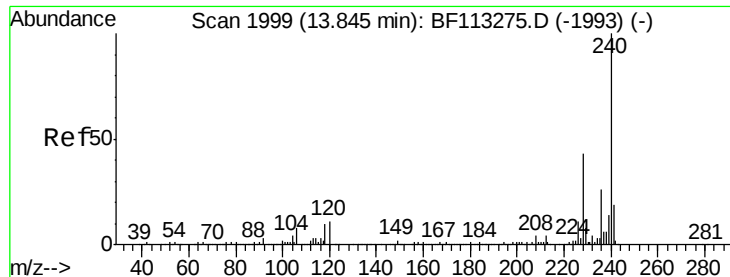
#67
 4-Bromophenyl-phenylether
 Concen: 3.776 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113448.D
 Acq: 30 Mar 2019 8:45

Tgt Ion:248 Resp: 19718
 Ion Ratio Lower Upper
 248 100
 250 199.4 78.3 117.5#
 141 473.0 56.2 84.4#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

Instrument :

BNA_F

ClientSampleId :

SP-2

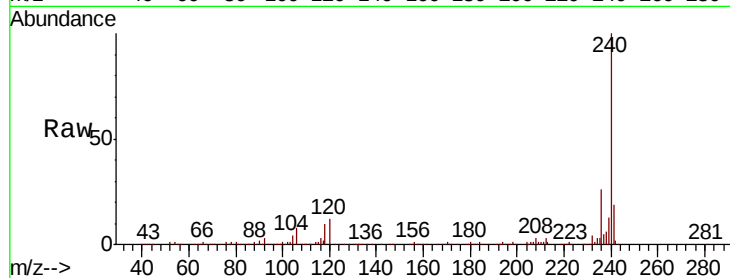
Tgt Ion:240 Resp: 486393

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

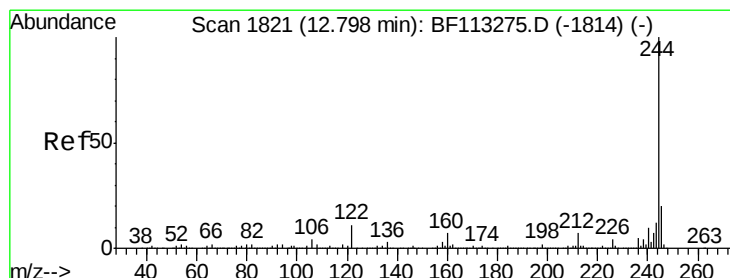
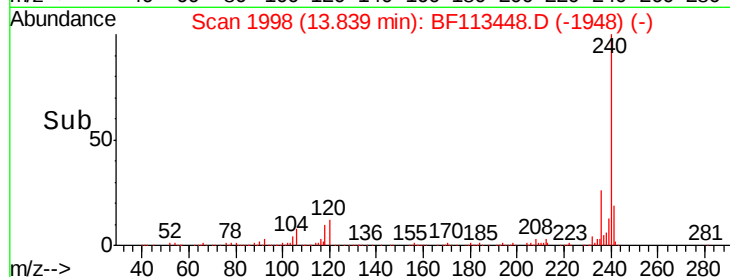
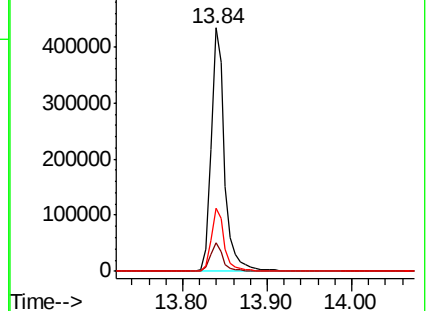
236 26.0 20.9 31.3



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



#79

Terphenyl-d14

Concen: 68.549 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113448.D

Acq: 30 Mar 2019 8:45

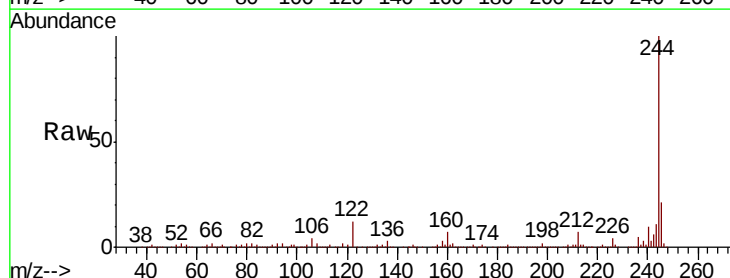
Tgt Ion:244 Resp: 1512667

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

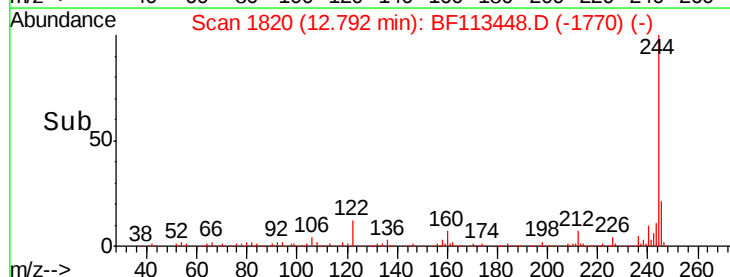
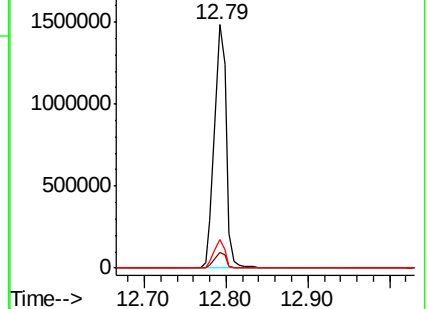
122 11.6 8.6 13.0

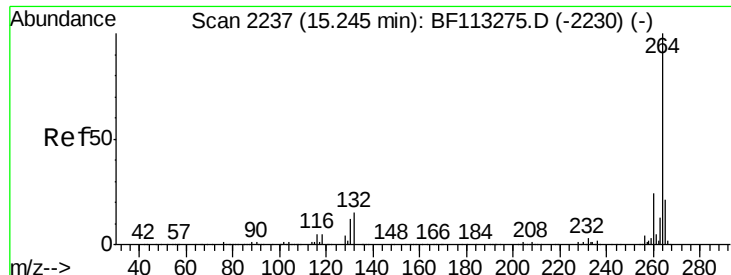


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

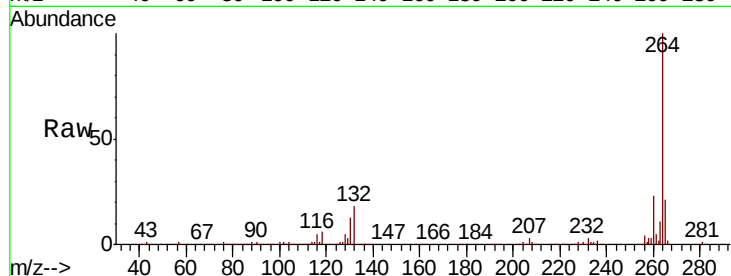




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113448.D
Acq: 30 Mar 2019 8:45

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.1	28.7
265	21.3	17.1	25.7



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

