

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113085.D
 Acq On : 18 Mar 2019 12:53
 Operator : JU/SJ
 Sample : K1685-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-031419-C

Quant Time: Mar 19 04:48:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

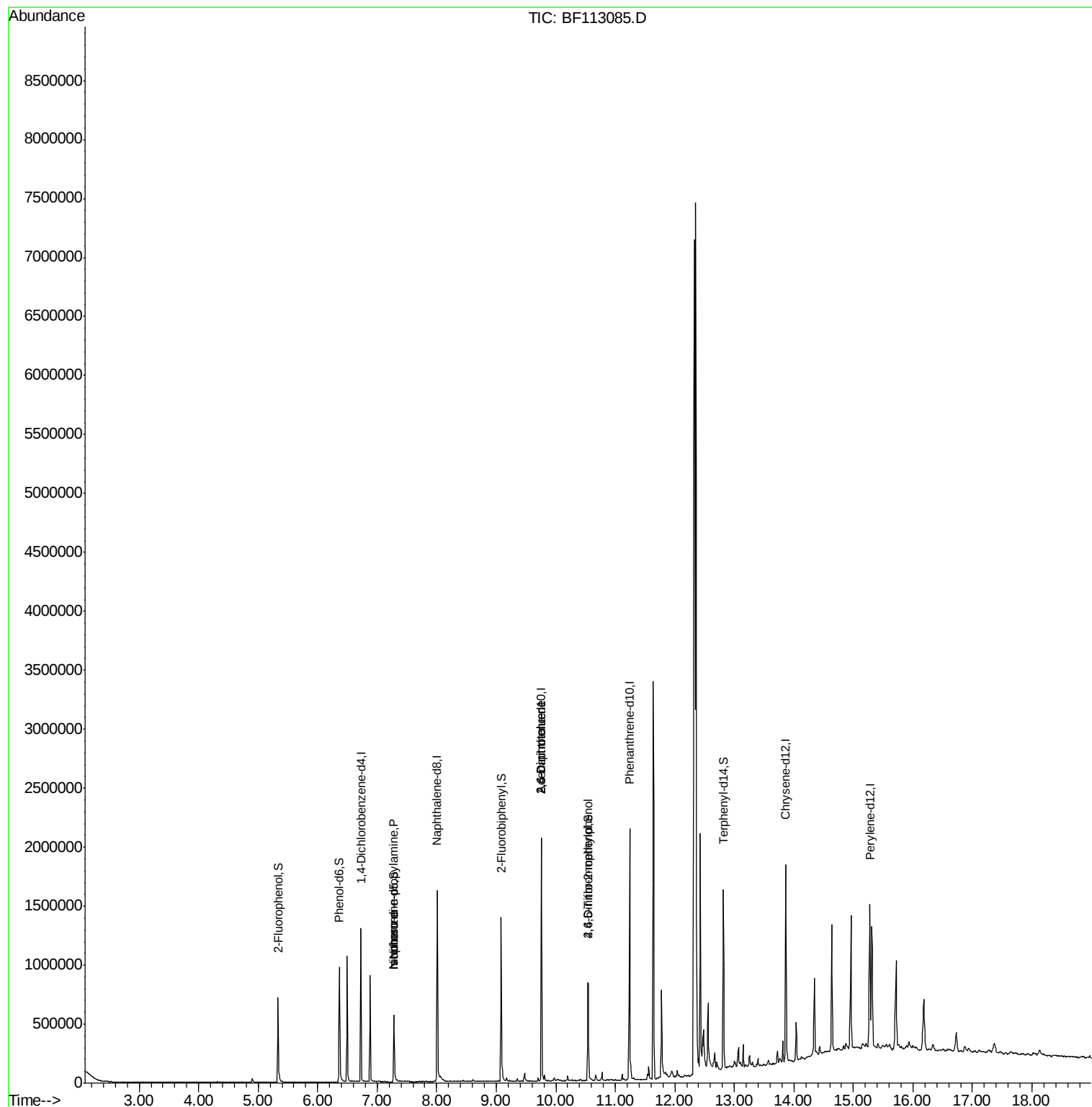
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	198106	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	856289	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	424264	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	850439	20.00	ng	0.00
76) Chrysene-d12	13.86	240	615307	20.00	ng	0.00
87) Perylene-d12	15.27	264	595789	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	227289	17.85	ng	-0.01
7) Phenol-d6	6.36	99	366535	22.91	ng	-0.01
23) Nitrobenzene-d5	7.28	82	199823	13.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	127085	28.22	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	481521	14.35	ng	-0.01
79) Terphenyl-d14	12.82	244	508645	16.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	25142	2.481	ng	# 78
25) Isophorone	7.28	82	199821	6.482	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	54578	8.378	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	54579	6.740	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	116	4.643	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: 6.73 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-C

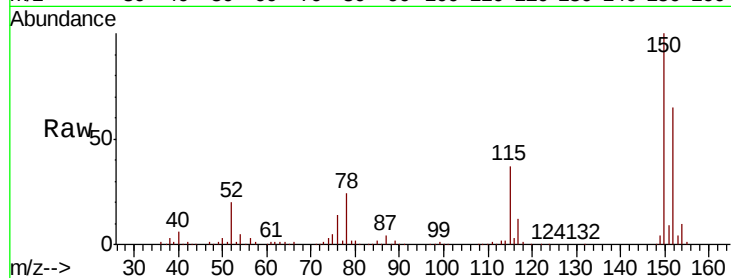
Tgt Ion:152 Resp: 198106

Ion Ratio Lower Upper

152 100

150 153.4 124.2 186.2

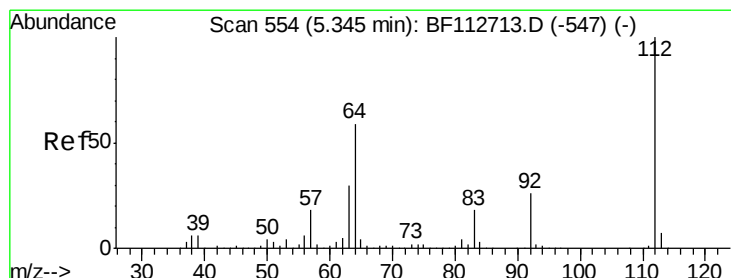
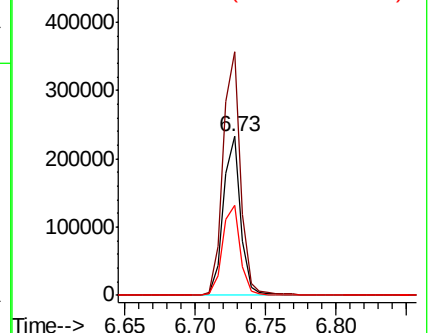
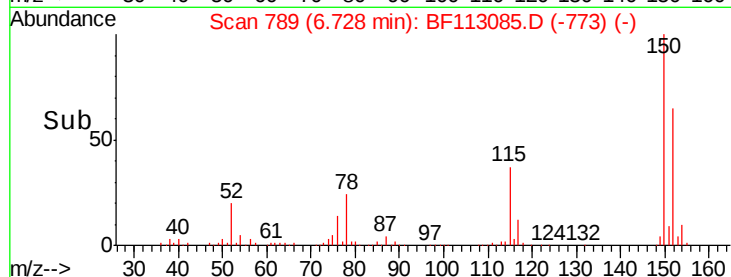
115 57.1 48.2 72.4



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: 17.847 ng

RT: 5.33 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

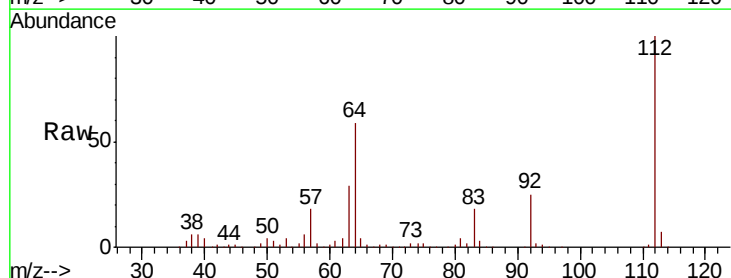
Tgt Ion:112 Resp: 227289

Ion Ratio Lower Upper

112 100

64 58.6 47.6 71.4

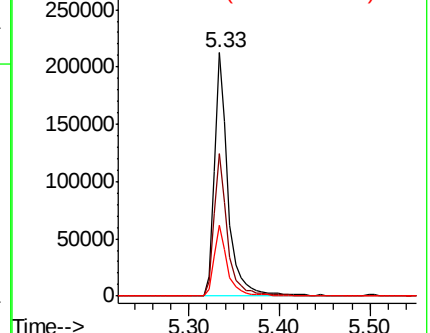
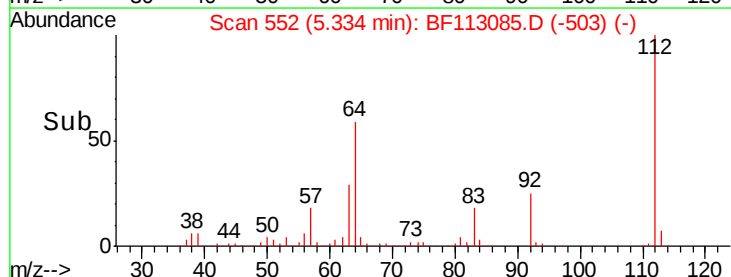
63 29.0 24.4 36.6



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: 22.912 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Instrument :

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AU-05-031419-C

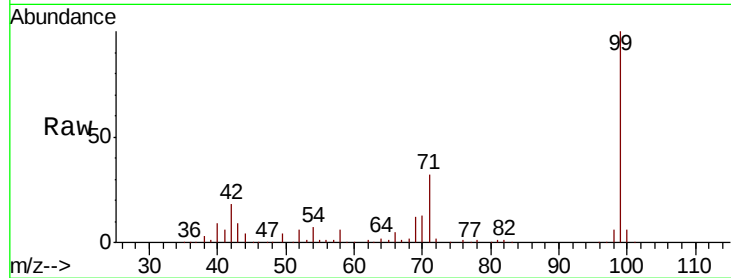
Tgt Ion: 99 Resp: 366535

Ion Ratio Lower Upper

99 100

42 18.0 16.3 24.5

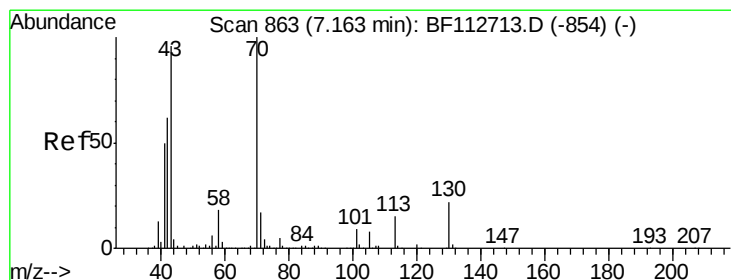
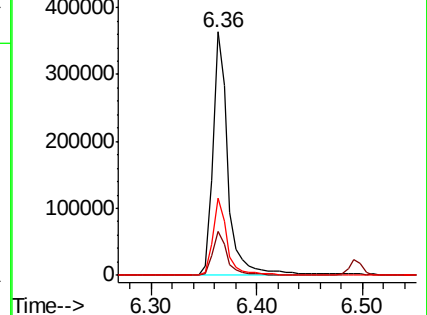
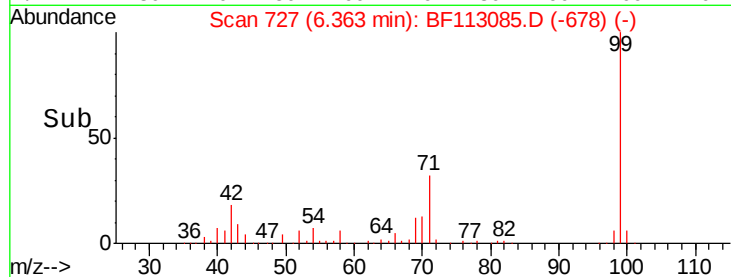
71 31.5 26.2 39.4



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: 2.481 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Tgt Ion: 70 Resp: 25142

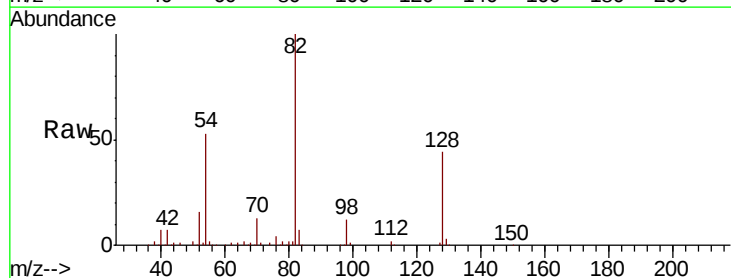
Ion Ratio Lower Upper

70 100

42 50.5 49.9 74.9

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

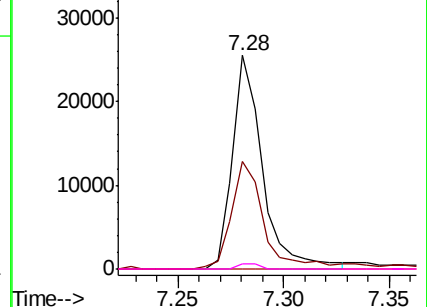
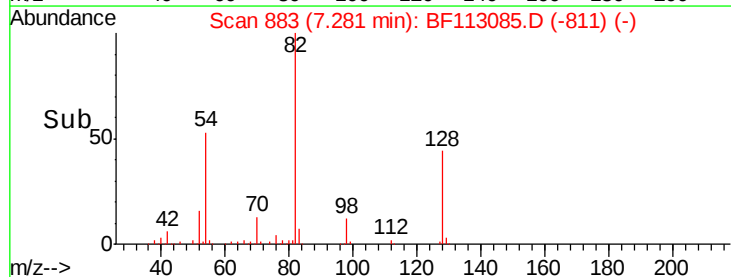


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

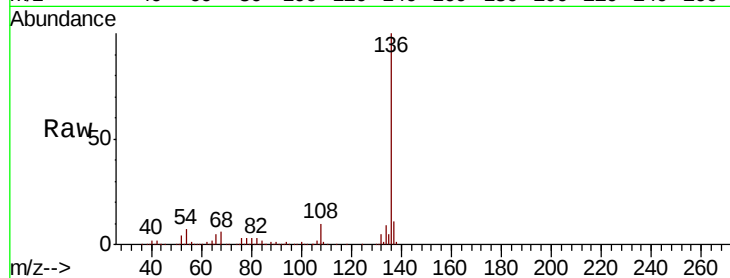




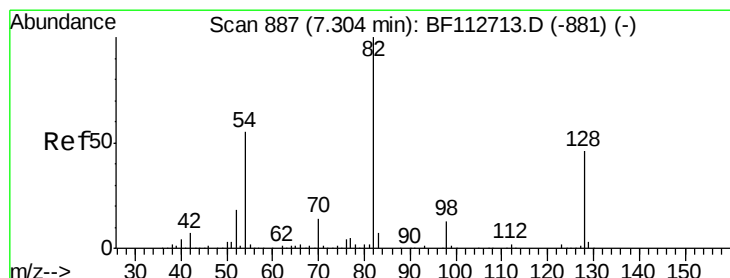
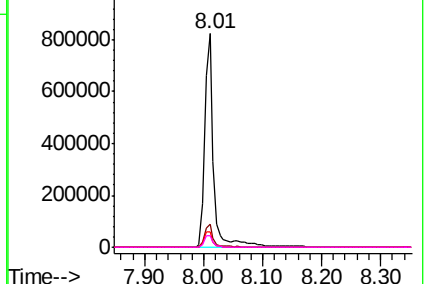
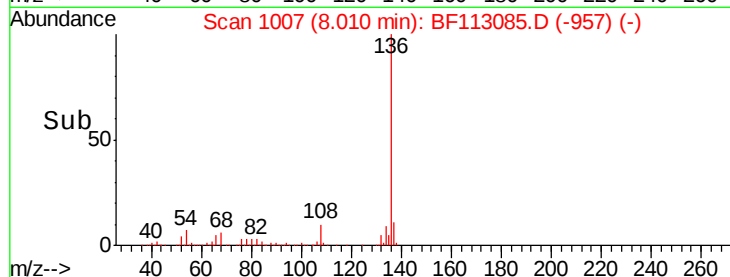
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113085.D
Acq: 18 Mar 2019 12:53

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-C

Tgt Ion:	136	Resp:	856289
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.4	7.3	10.9
68	5.6	5.4	8.2

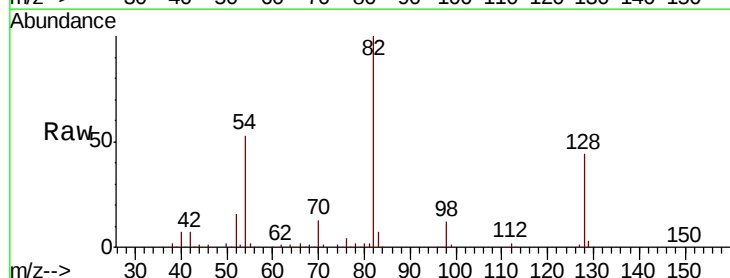


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

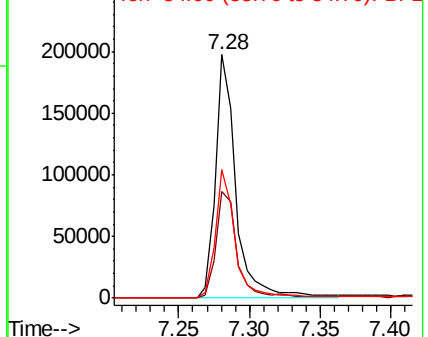
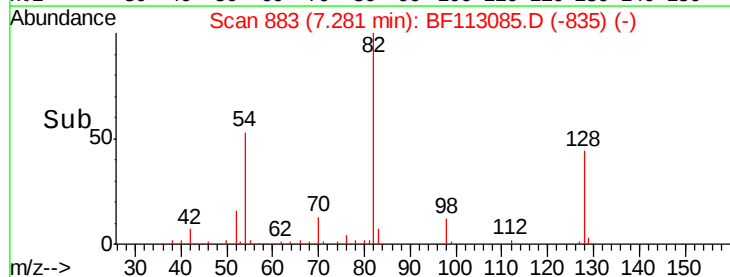


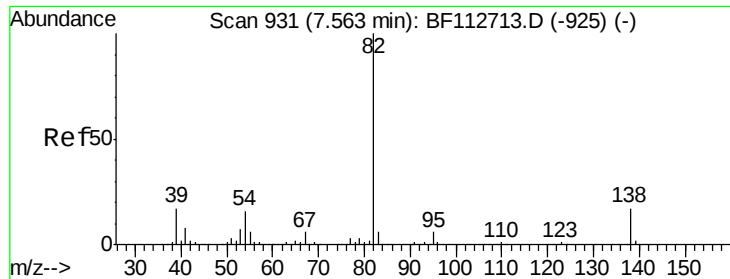
#23
Nitrobenzene-d5
Concen: 13.964 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113085.D
Acq: 18 Mar 2019 12:53

Tgt Ion:	82	Resp:	199823
Ion Ratio	Lower	Upper	
82	100		
128	44.0	36.3	54.5
54	52.8	43.7	65.5



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: 6.482 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-C

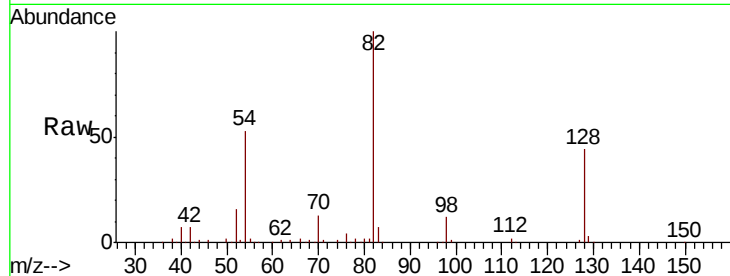
Tgt Ion: 82 Resp: 199821

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

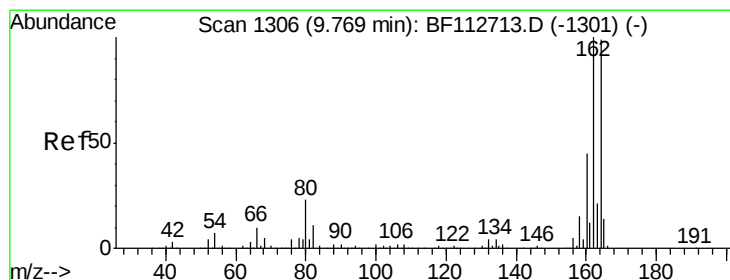
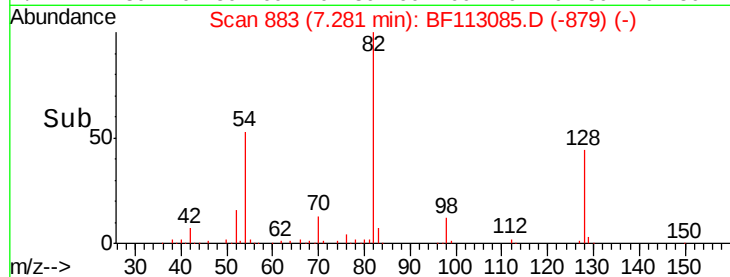
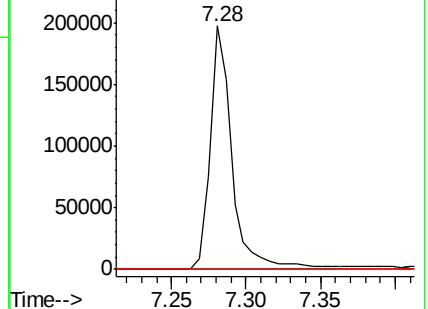
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

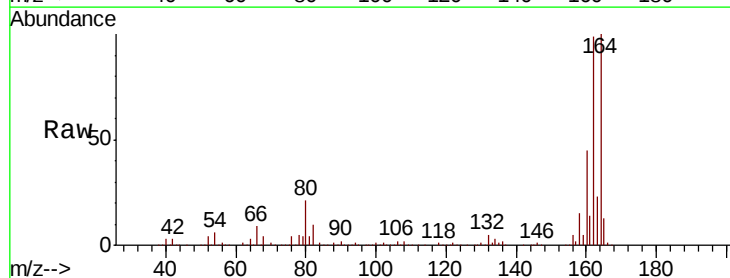
Tgt Ion: 164 Resp: 424264

Ion Ratio Lower Upper

164 100

162 99.4 80.6 120.8

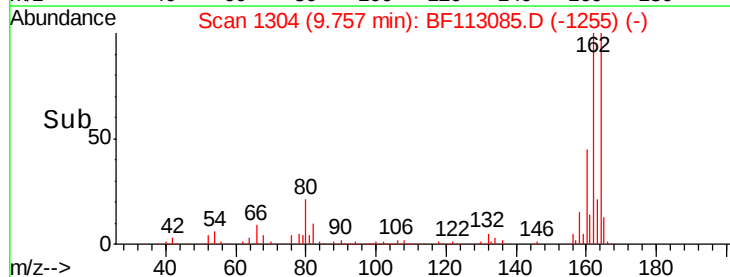
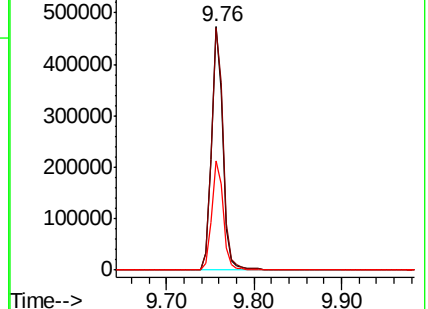
160 44.8 36.0 54.0

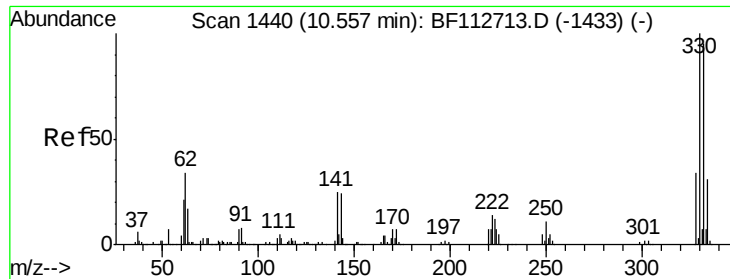


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

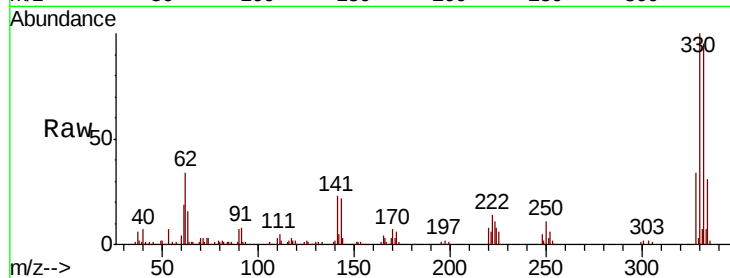




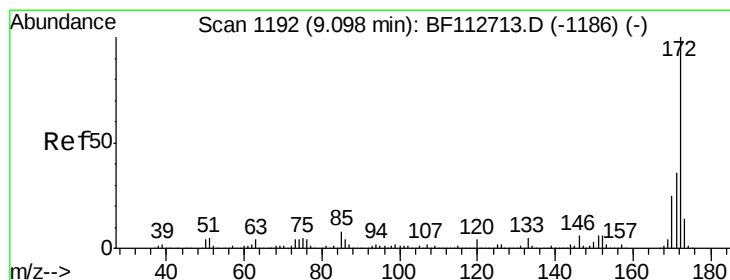
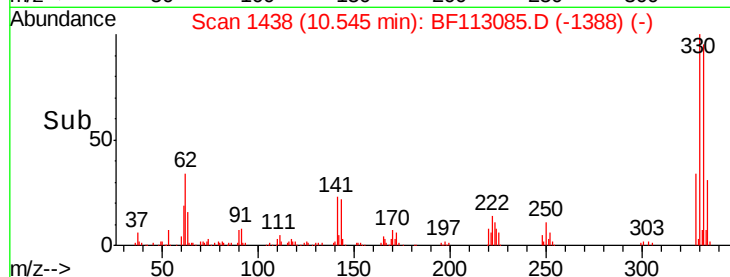
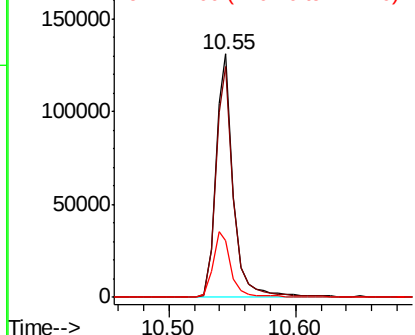
#42
 2,4,6-Tribromophenol
 Concen: 28.215 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113085.D
 Acq: 18 Mar 2019 12:53

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-031419-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.2	114.4
141	28.2	27.0	40.6

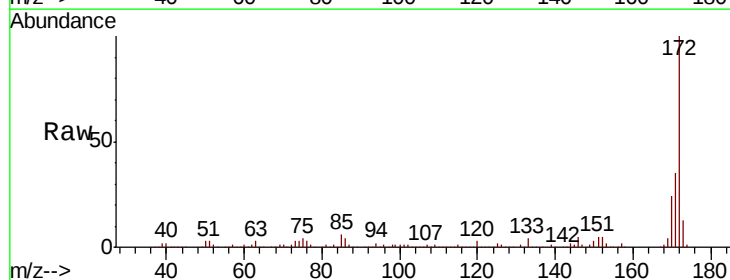


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

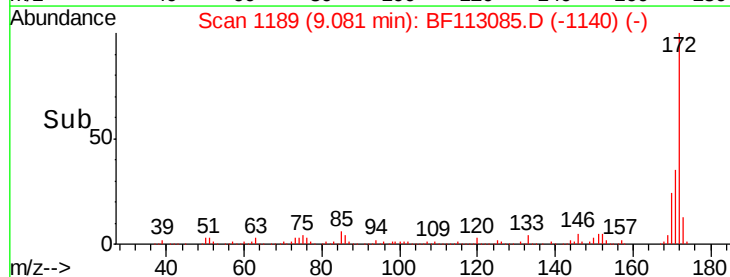
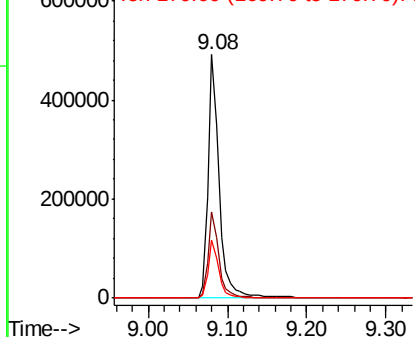


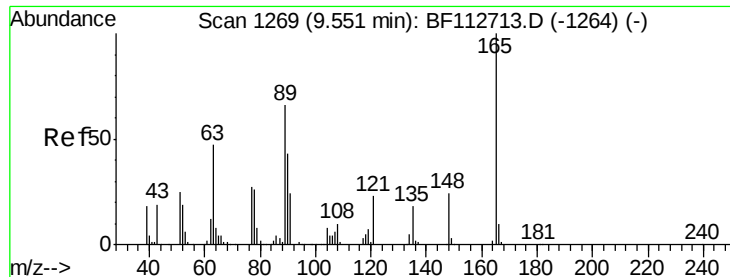
#45
 2-Fluorobiphenyl
 Concen: 14.348 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113085.D
 Acq: 18 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.9	20.0	30.0



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: 8.378 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-C

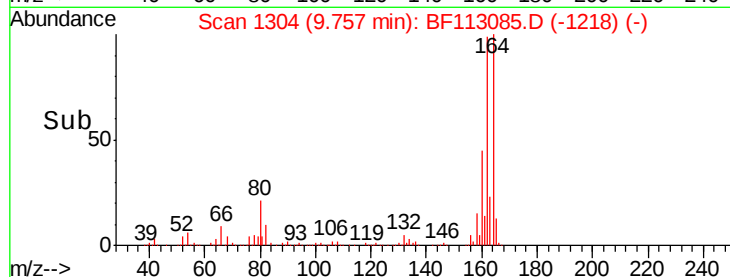
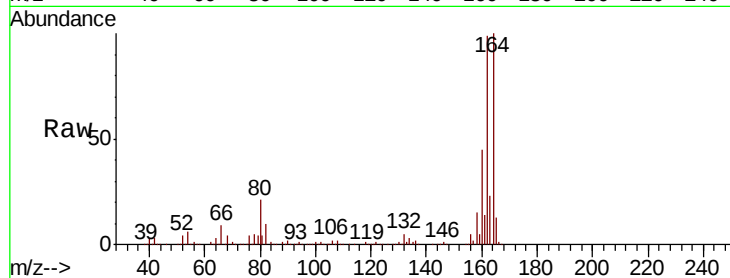
Tgt Ion:165 Resp: 54578

Ion Ratio Lower Upper

165 100

63 1.2 54.1 81.1#

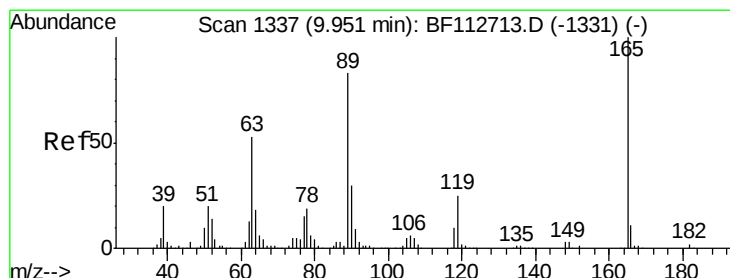
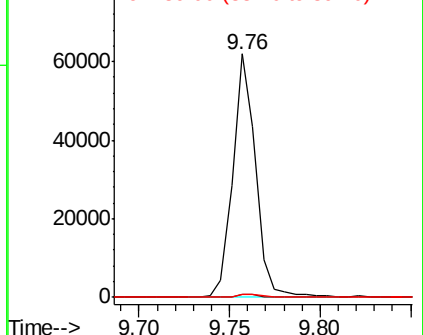
89 1.1 52.8 79.2#



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: 6.740 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Tgt Ion:165 Resp: 54579

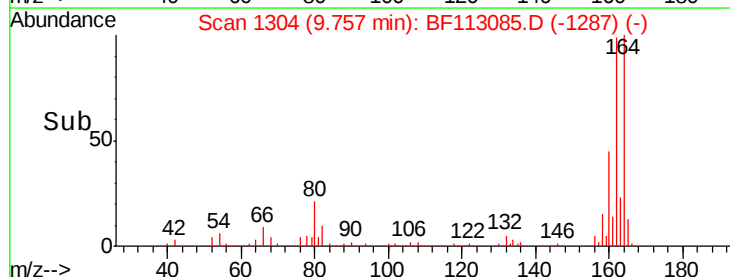
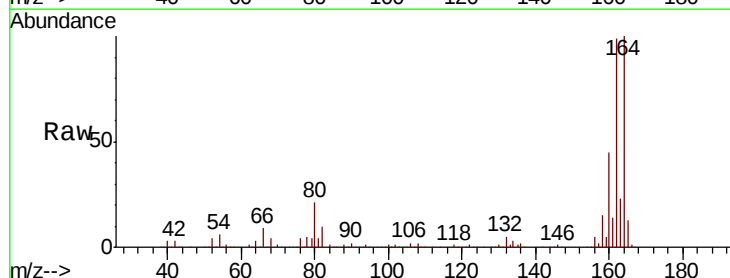
Ion Ratio Lower Upper

165 100

63 1.2 42.2 63.2#

89 1.1 66.2 99.4#

182 0.0 1.8 2.6#

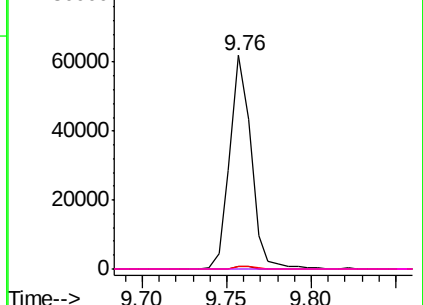


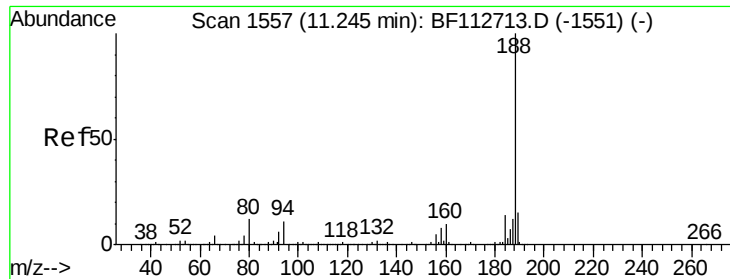
Abundance Ion 165.00 (164.70 to 165.70): E

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

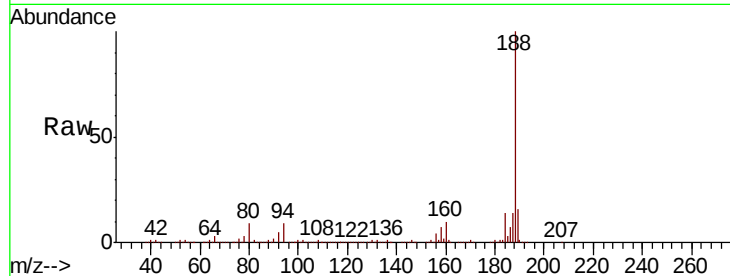




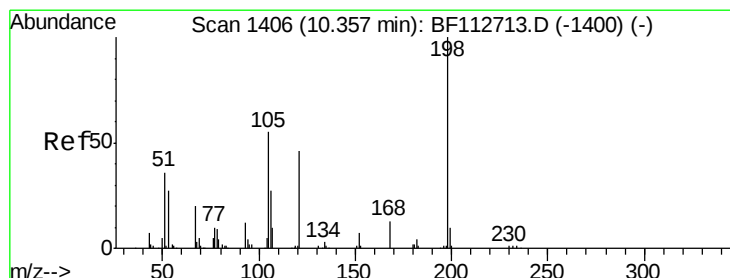
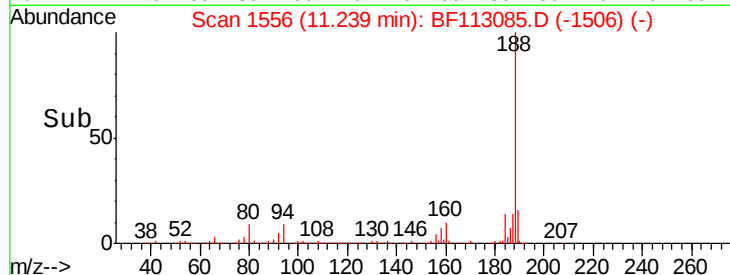
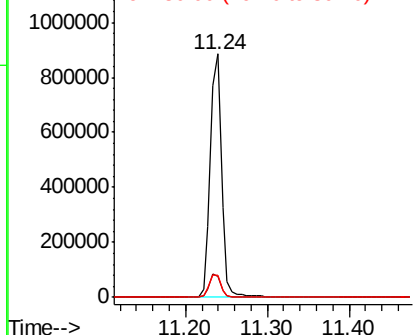
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113085.D
Acq: 18 Mar 2019 12:53

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-C

Tgt Ion:188 Resp: 850439
Ion Ratio Lower Upper
188 100
94 8.8 9.0 13.4#
80 9.1 9.2 13.8#

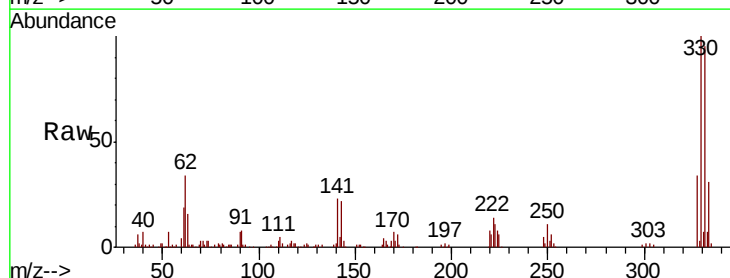


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

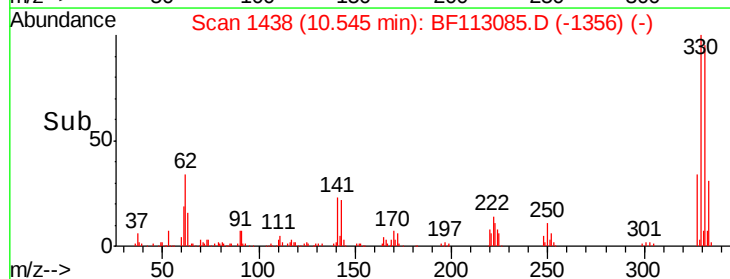
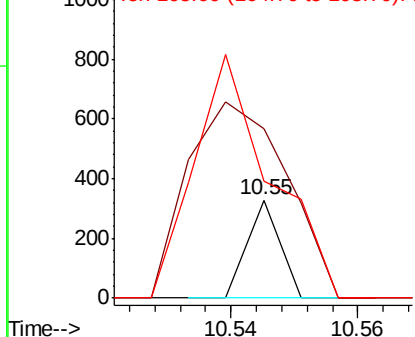


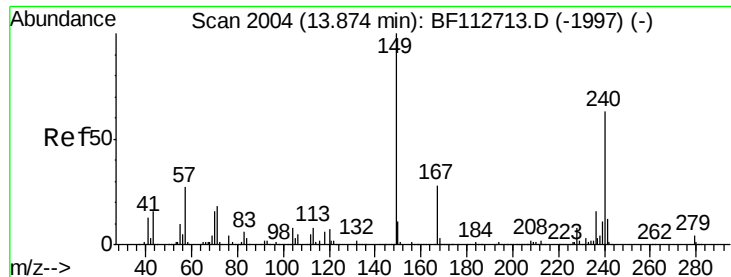
#65
4,6-Dinitro-2-methylphenol
Concen: 4.643 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF113085.D
Acq: 18 Mar 2019 12:53

Tgt Ion:198 Resp: 116
Ion Ratio Lower Upper
198 100
51 172.6 43.8 83.8#
105 118.8 36.5 76.5#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-C

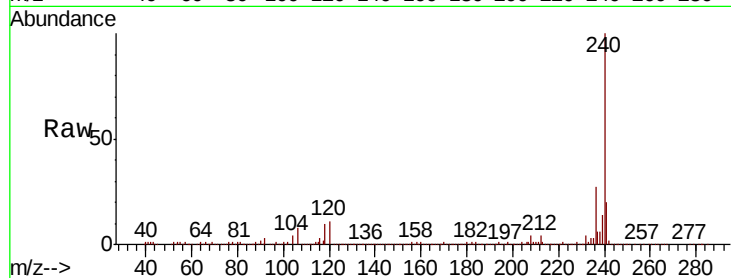
Tgt Ion:240 Resp: 615307

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

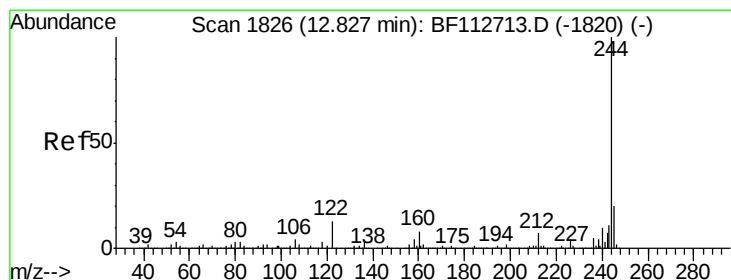
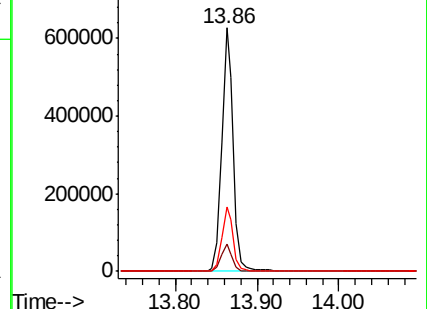
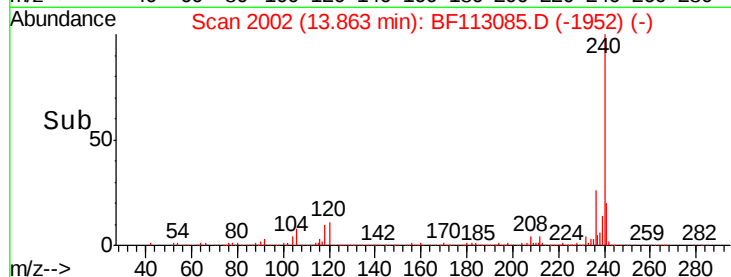
236 26.5 20.7 31.1



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: 16.025 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113085.D

Acq: 18 Mar 2019 12:53

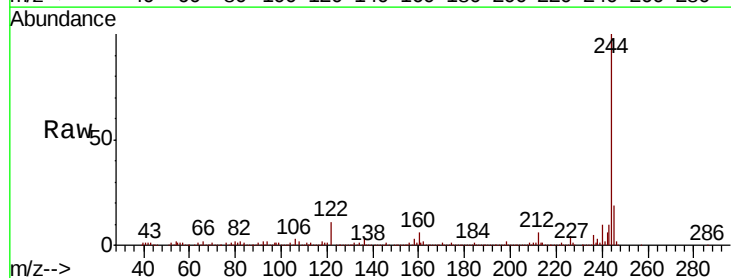
Tgt Ion:244 Resp: 508645

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

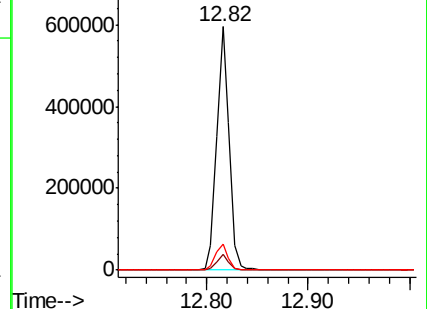
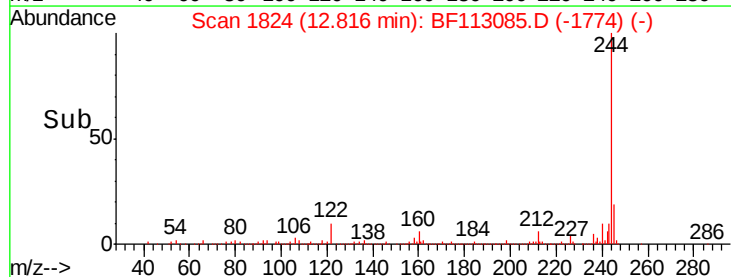
122 10.6 10.5 15.7

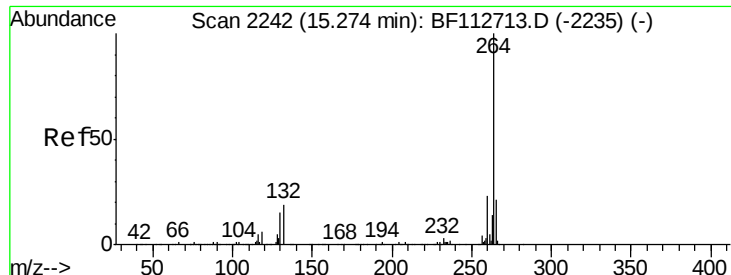


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113085.D
Acq: 18 Mar 2019 12:53

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	21.6	17.2	25.8

