

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111945.D
 Acq On : 9 Jan 2019 12:33
 Operator : JU/SJ
 Sample : PB116192BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:50:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

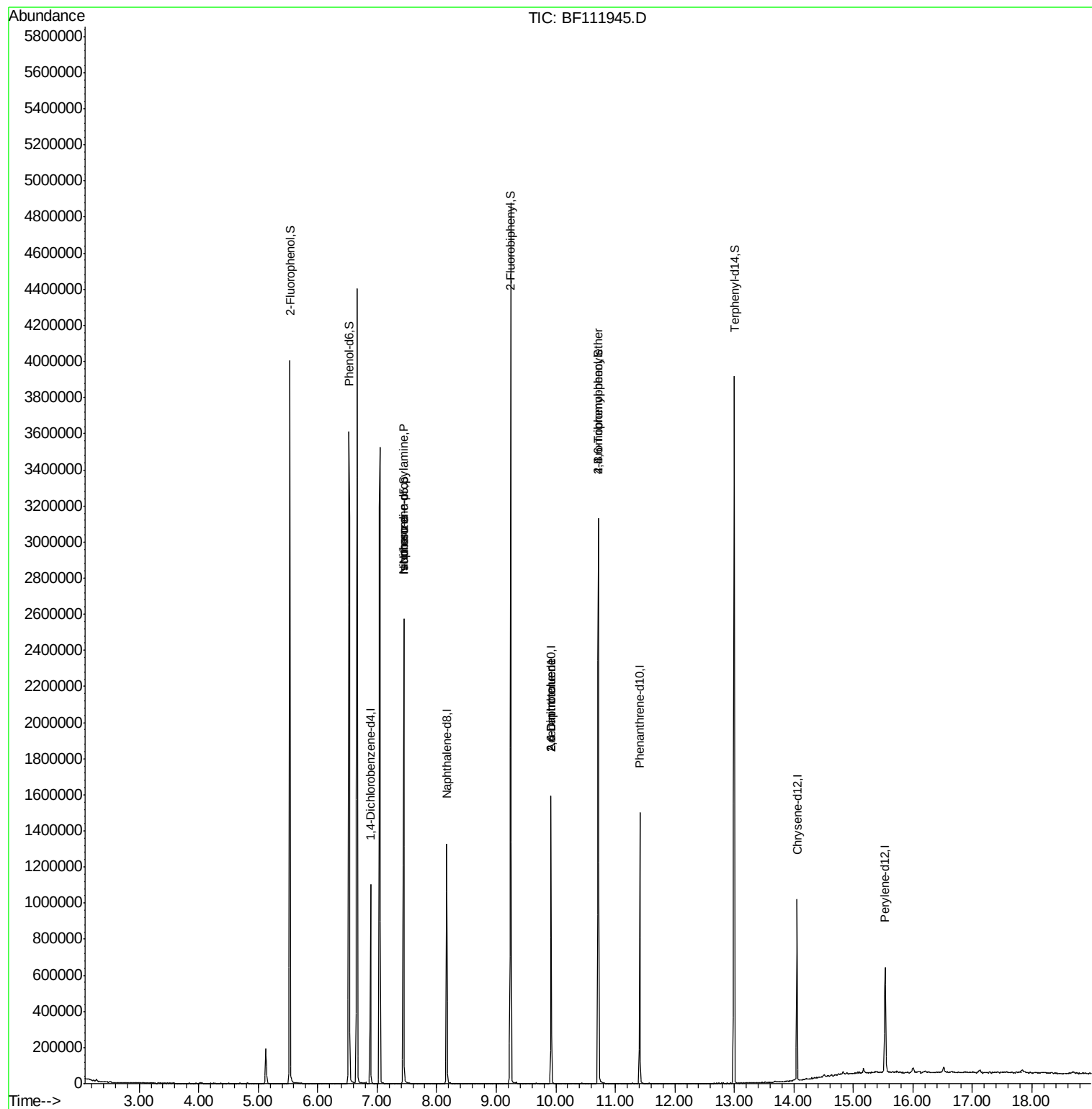
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	169781	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	623302	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	319093	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	519549	20.00	ng	0.00
76) Chrysene-d12	14.05	240	322483	20.00	ng	0.00
87) Perylene-d12	15.53	264	277626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1123233	113.18	ng	0.01
7) Phenol-d6	6.53	99	1403139	109.70	ng	0.00
23) Nitrobenzene-d5	7.45	82	929237	79.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	399756	96.32	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1589362	72.63	ng	0.00
79) Terphenyl-d14	13.00	244	1368066	80.53	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	2391	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.45	70	125310	15.078	ng	# 78
25) Isophorone	7.45	82	921818	48.812	ng	# 65
51) 2,6-Dinitrotoluene	9.92	165	39127	7.299	ng	# 25
57) 2,4-Dinitrotoluene	9.92	165	39127	5.649	ng	# 26
67) 4-Bromophenyl-phenylether	10.72	248	23353	3.470	ng	# 1

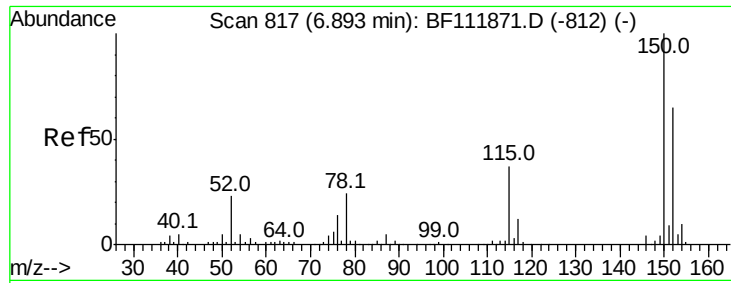
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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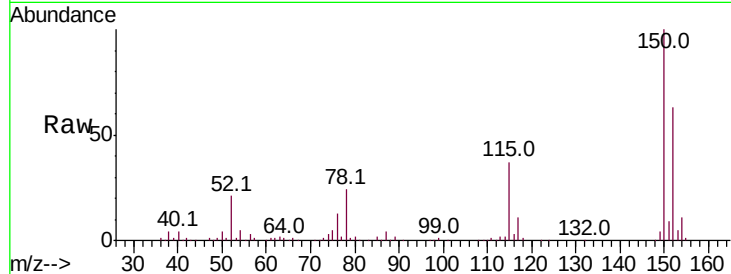


#1

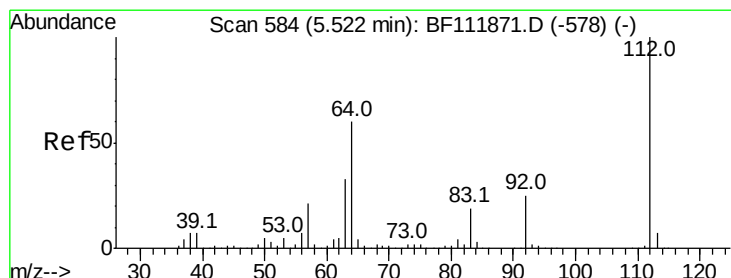
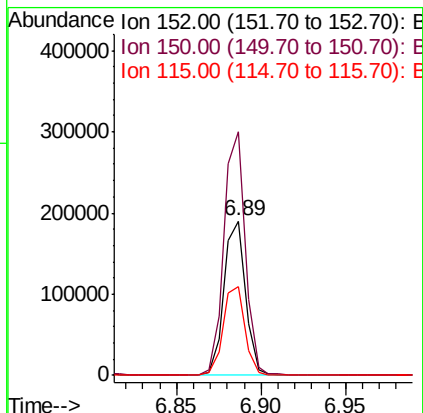
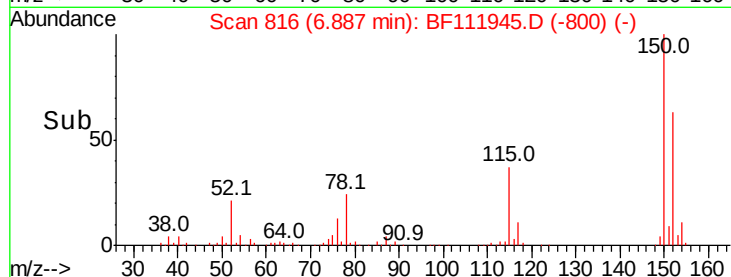
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169781
Ion Ratio Lower Upper
152 100
150 157.5 122.7 184.1
115 57.6 45.2 67.8



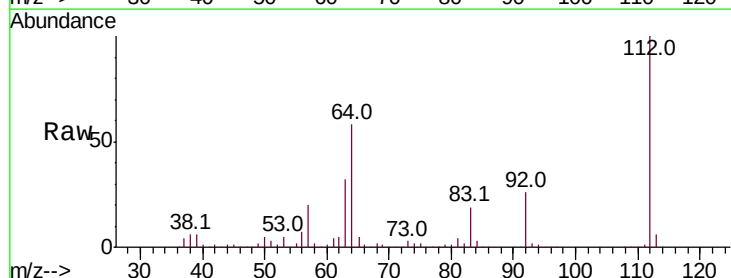
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



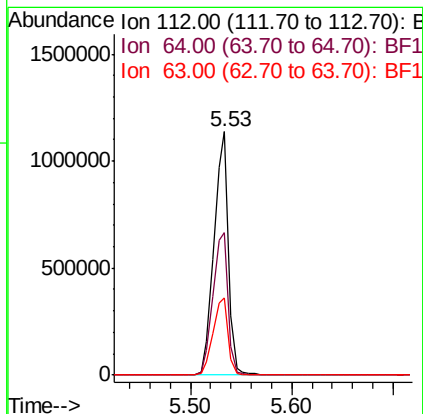
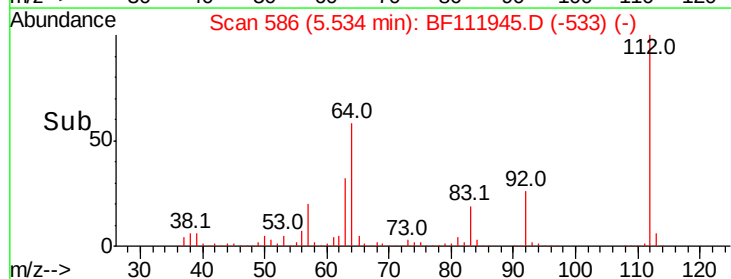
#5

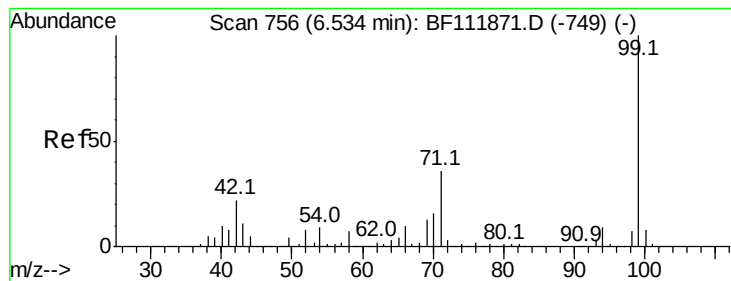
2-Fluorophenol
Concen: 113.184 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.01 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Tgt Ion:112 Resp: 1123233
Ion Ratio Lower Upper
112 100
64 58.4 48.3 72.5
63 31.5 26.1 39.1



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: 109.699 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111945.D

Acq: 9 Jan 2019 12:33

Instrument :

BNA_F

ClientSampleId :

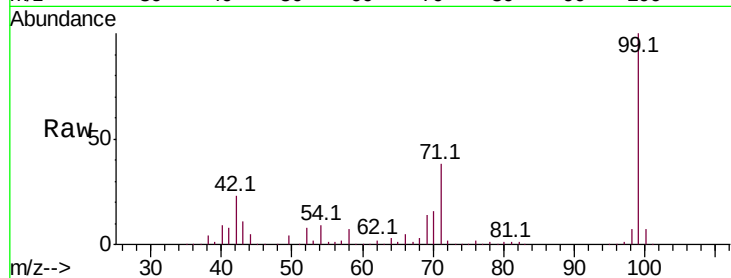
Tot Ion: 99 Resp: 1403139

Ion Ratio Lower Upper

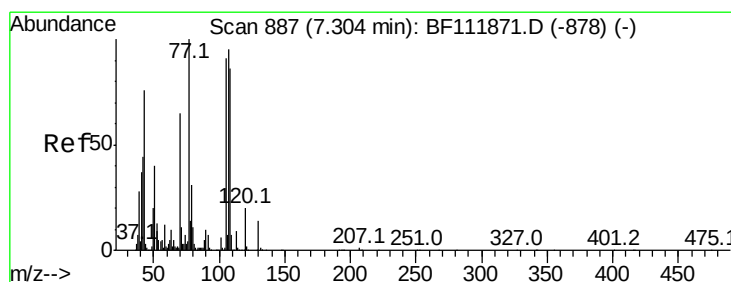
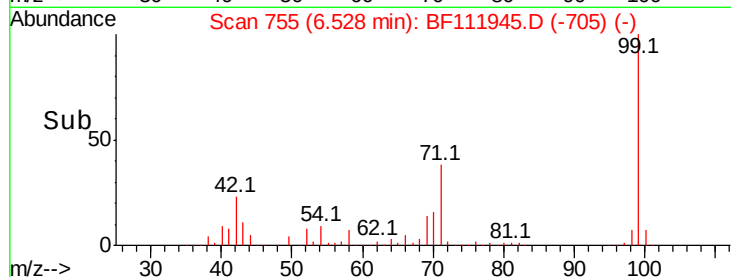
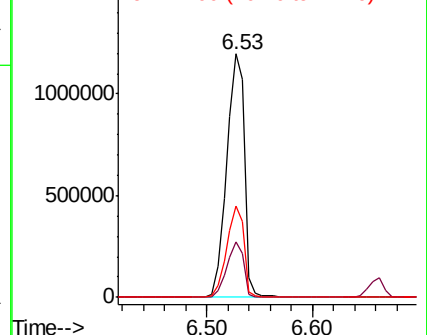
99 100

42 22.6 17.9 26.9

71 37.6 28.7 43.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.078 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF111945.D

Acq: 9 Jan 2019 12:33

Tgt Ion: 70 Resp: 125310

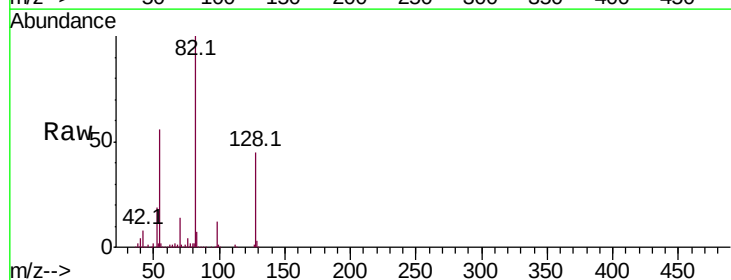
Ion Ratio Lower Upper

70 100

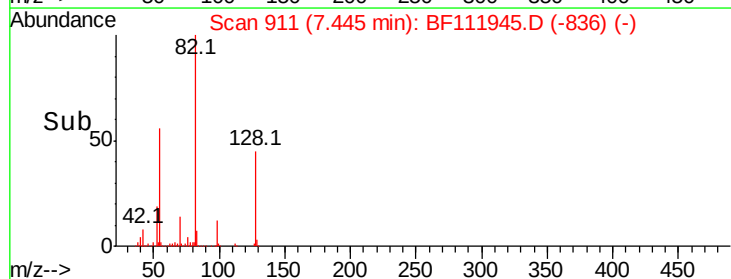
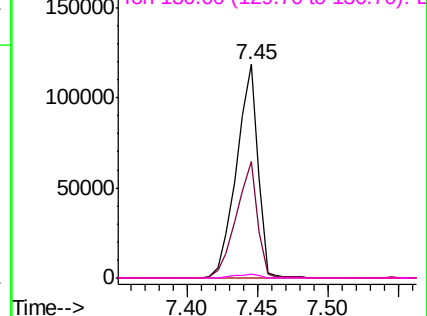
42 54.3 53.6 80.4

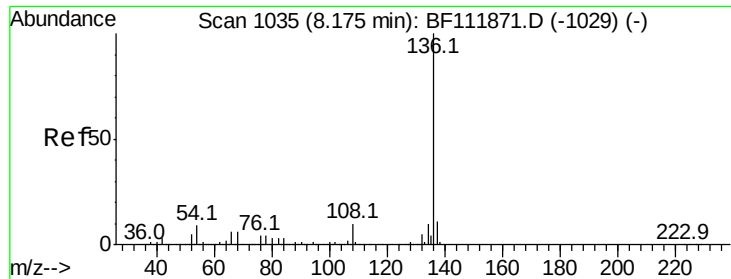
101 0.0 7.3 10.9#

130 2.1 16.8 25.2#



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

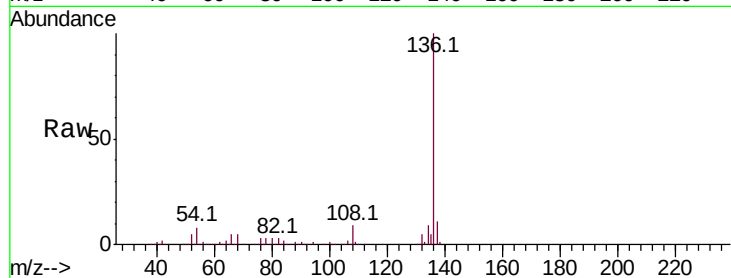




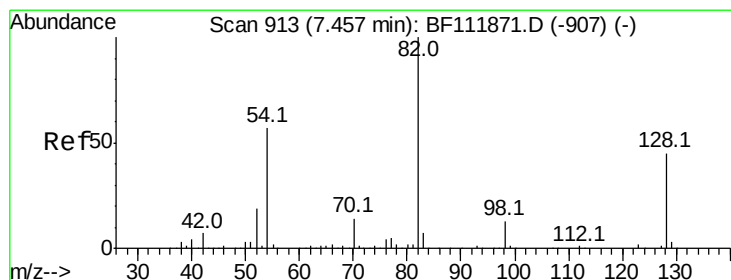
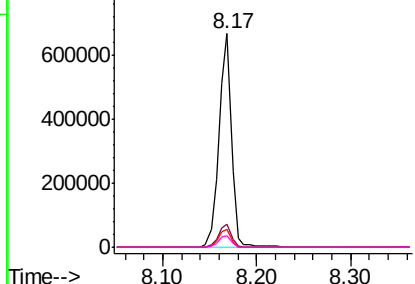
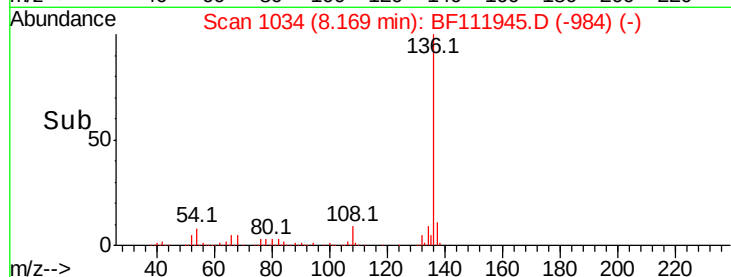
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp: 623302
Ion Ratio	Lower Upper
136 100	
137 10.9	9.1 13.7
54 8.4	7.2 10.8
68 5.2	4.4 6.6

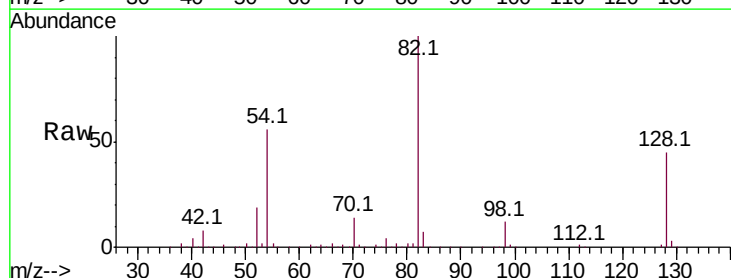


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

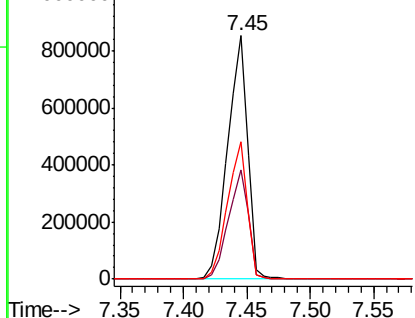
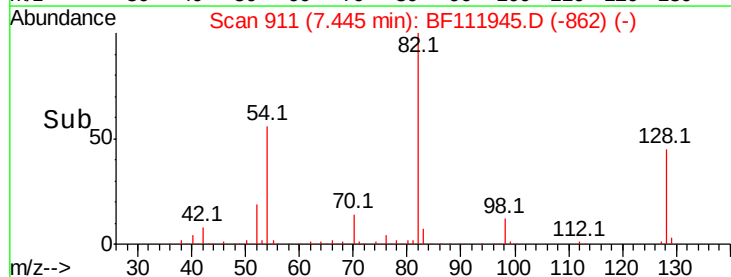


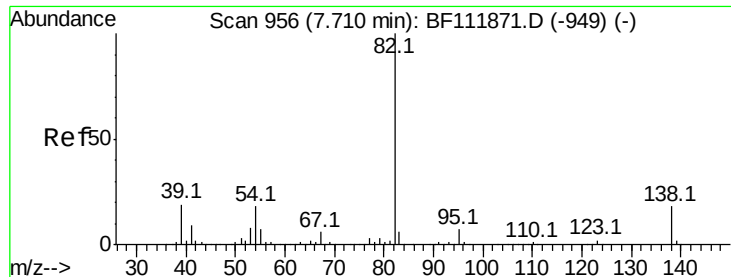
#23
Nitrobenzene-d5
Concen: 79.678 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Tgt Ion: 82	Resp: 929237
Ion Ratio	Lower Upper
82 100	
128 45.1	35.7 53.5
54 56.3	45.8 68.8



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: 48.812 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111945.D

Acq: 9 Jan 2019 12:33

Instrument :

BNA_F

ClientSampleId :

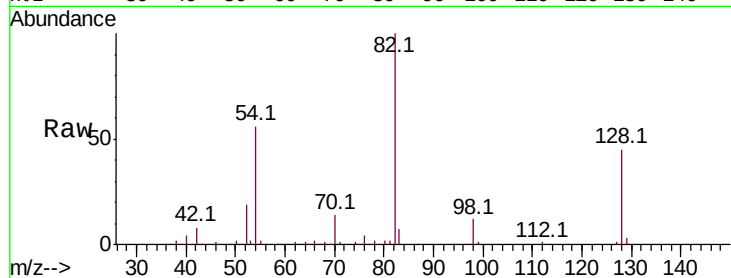
Tot Ion: 82 Resp: 921818

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

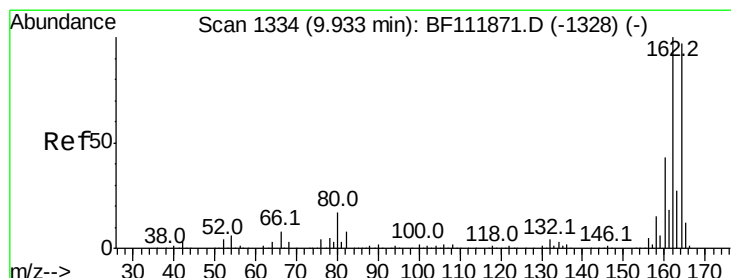
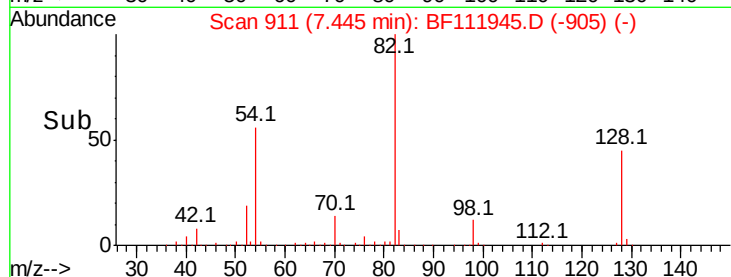
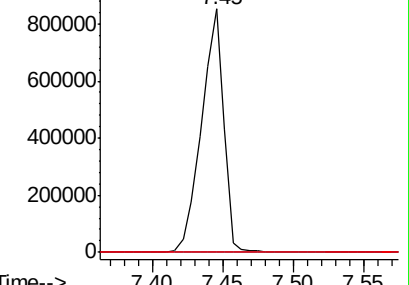
138 0.0 14.4 21.6#



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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF111945.D

Acq: 9 Jan 2019 12:33

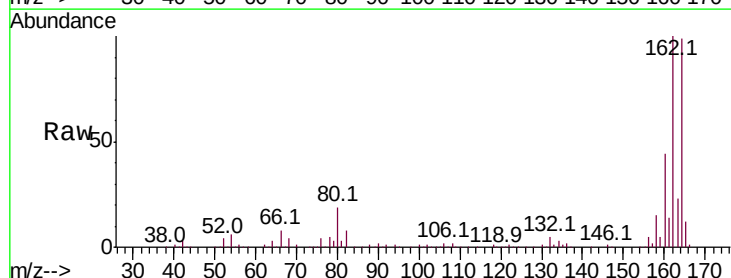
Tgt Ion: 164 Resp: 319093

Ion Ratio Lower Upper

164 100

162 101.5 82.2 123.2

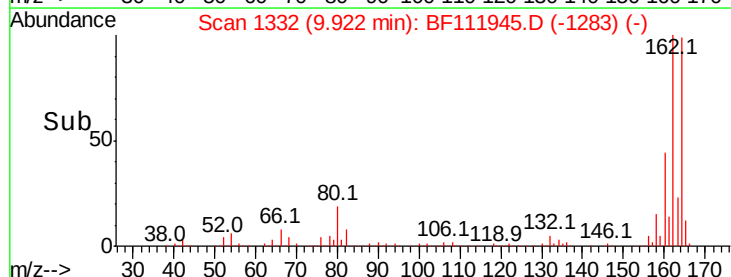
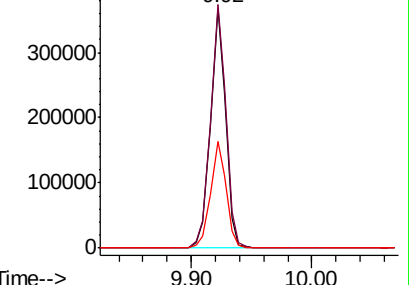
160 44.3 35.5 53.3

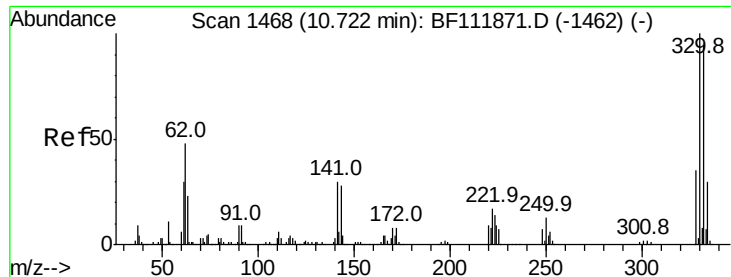


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

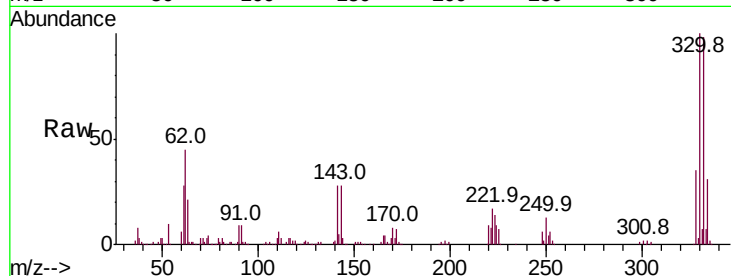




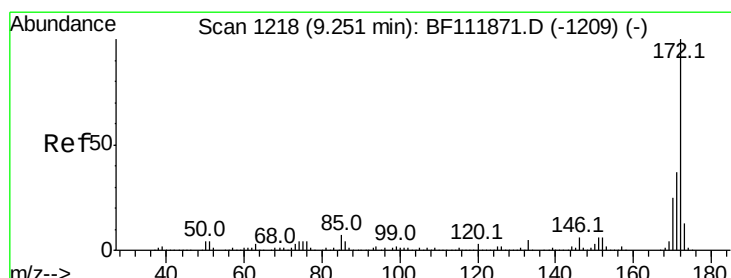
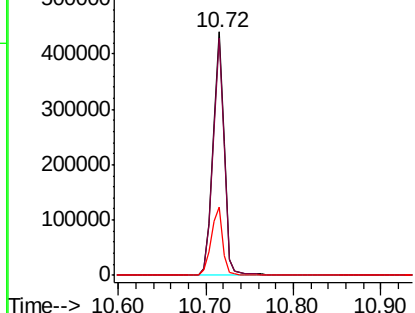
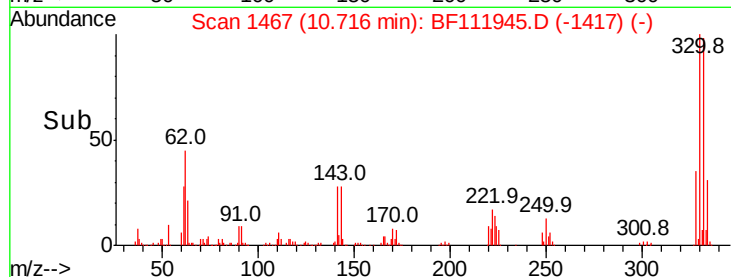
#42
2,4,6-Tribromophenol
Concen: 96.317 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	28.6	23.7	35.5

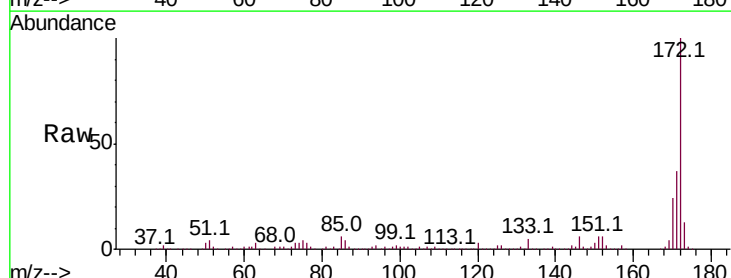


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

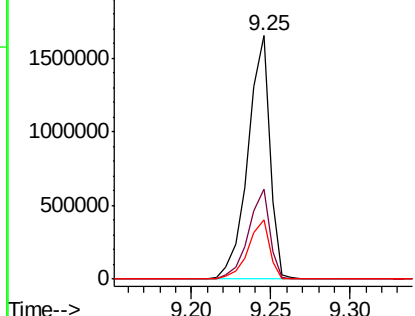
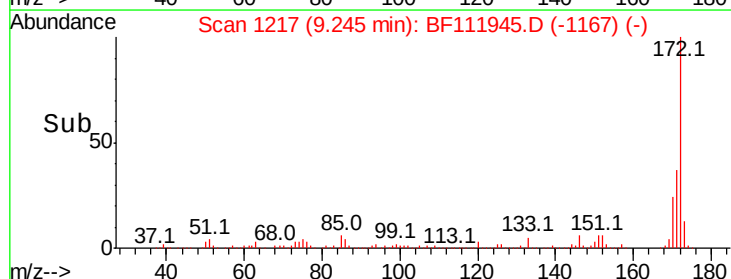


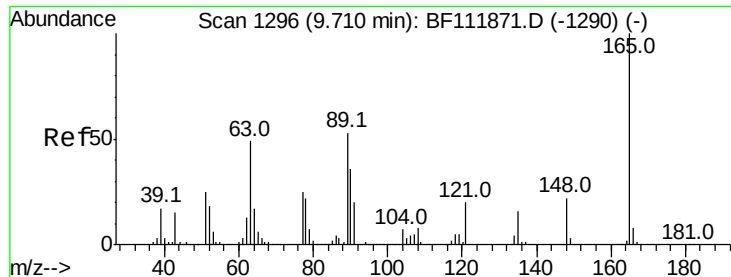
#45
2-Fluorobiphenyl
Concen: 72.631 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.4	19.8	29.8



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

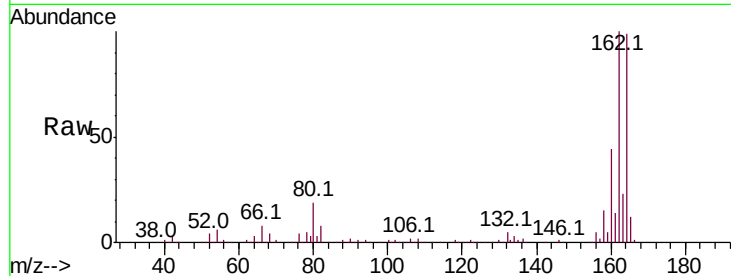




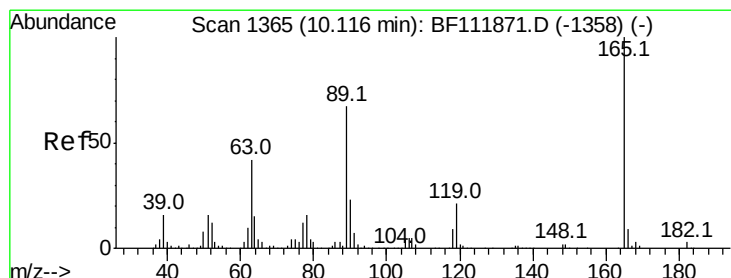
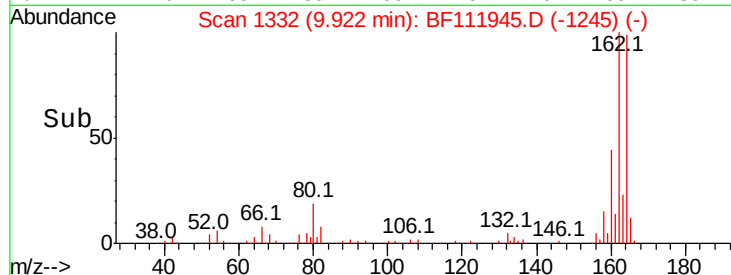
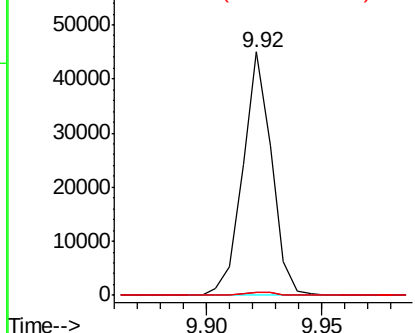
#51
 2,6-Dinitrotoluene
 Concen: 7.299 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.21 min
 Lab File: BF111945.D
 Acq: 9 Jan 2019 12:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	46.2	69.2#
89	1.2	42.2	63.2#

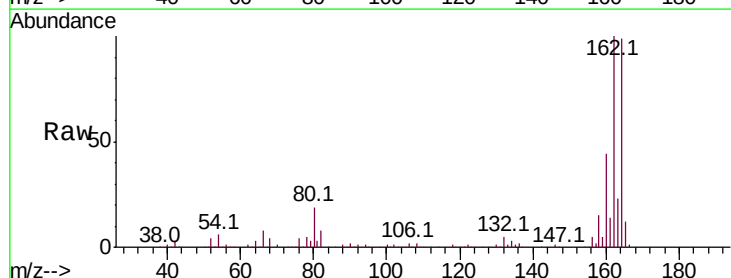


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

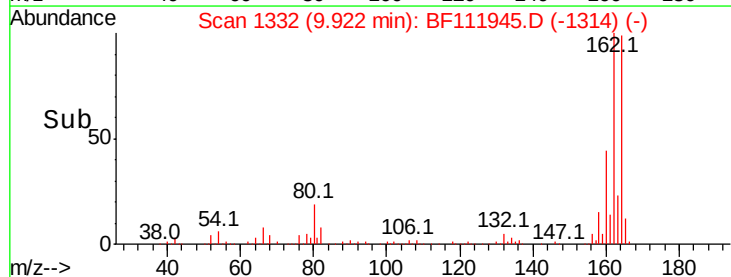
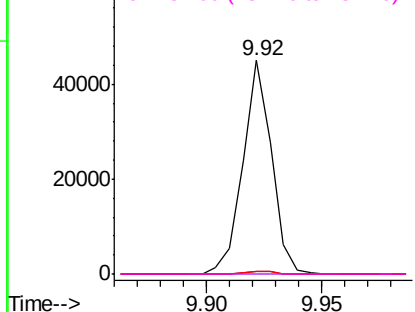


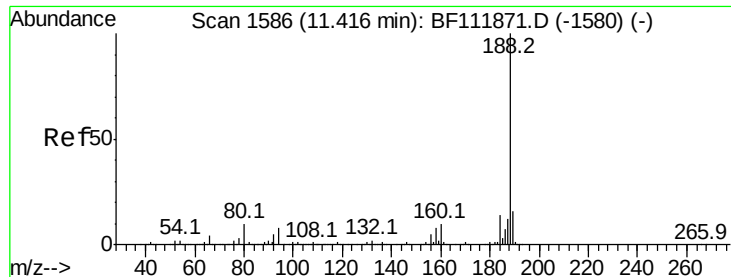
#57
 2,4-Dinitrotoluene
 Concen: 5.649 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111945.D
 Acq: 9 Jan 2019 12:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.1	51.1#
89	1.2	53.5	80.3#
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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111945.D

Acq: 9 Jan 2019 12:33

Instrument :

BNA_F

ClientSampleId :

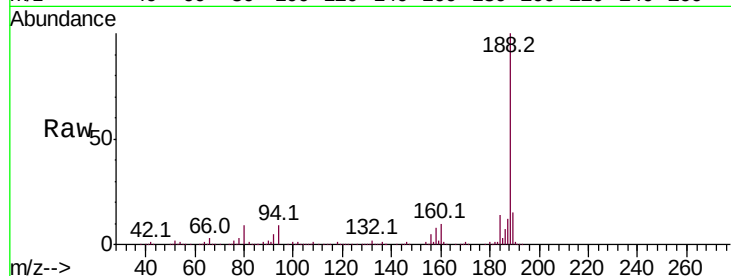
Tot Ion:188 Resp: 519549

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

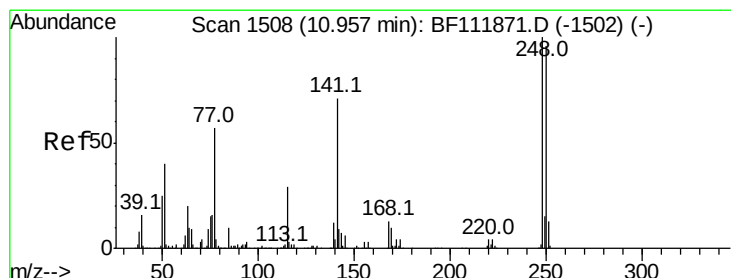
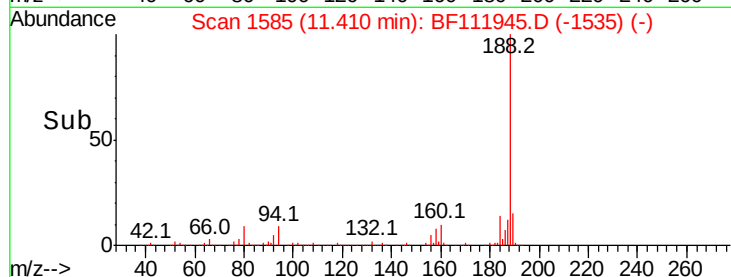
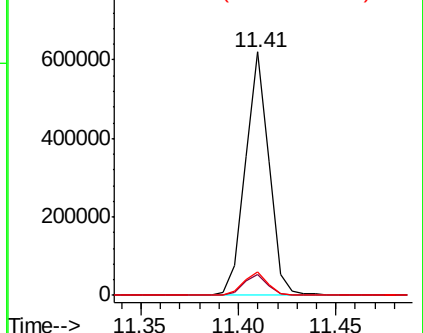
80 9.4 7.7 11.5



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: 3.470 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF111945.D

Acq: 9 Jan 2019 12:33

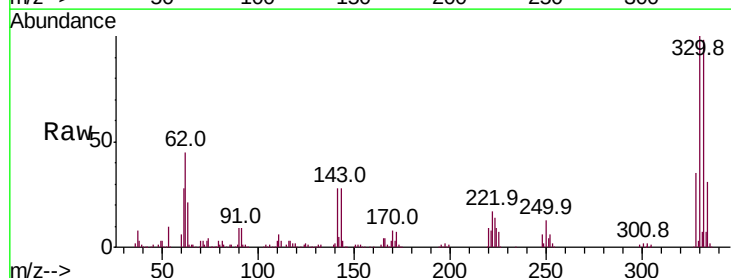
Tgt Ion:248 Resp: 23353

Ion Ratio Lower Upper

248 100

250 205.6 76.8 115.2#

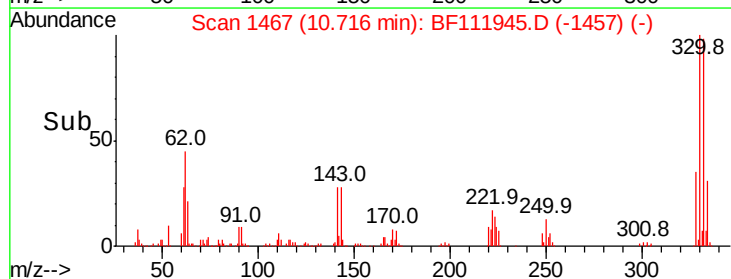
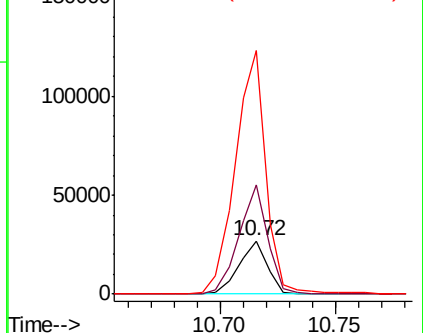
141 456.6 57.0 85.6#

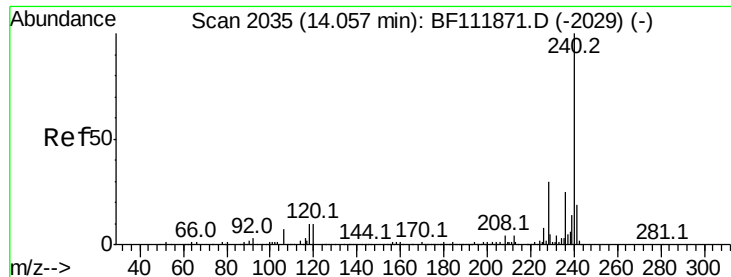


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

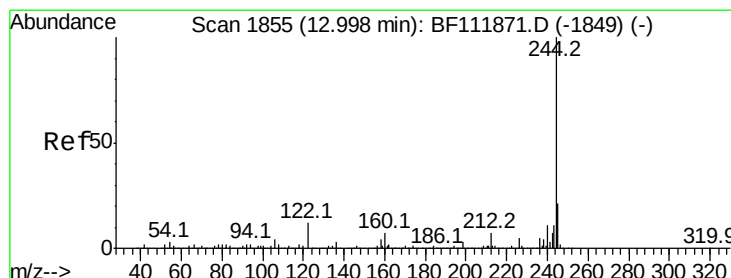
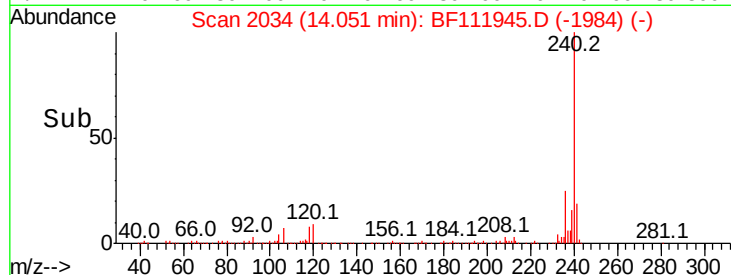
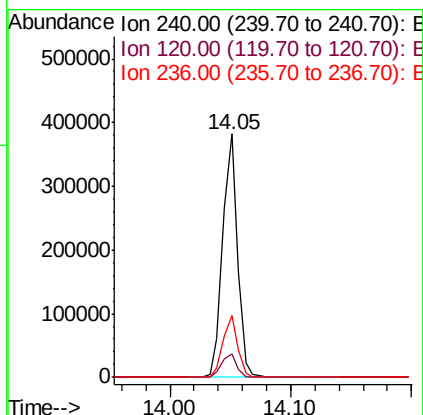
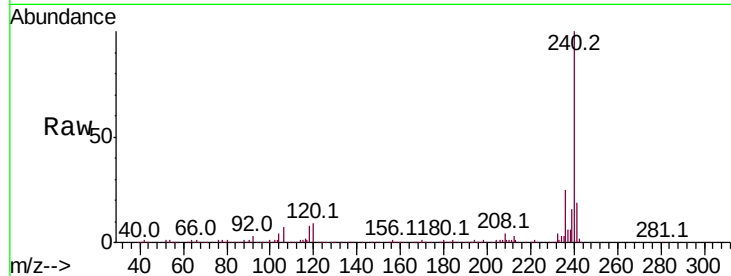




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111945.D
 Acq: 9 Jan 2019 12:33

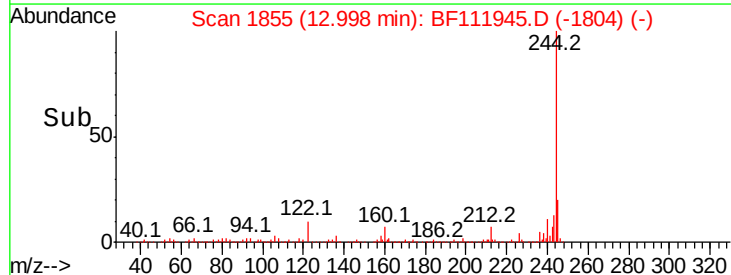
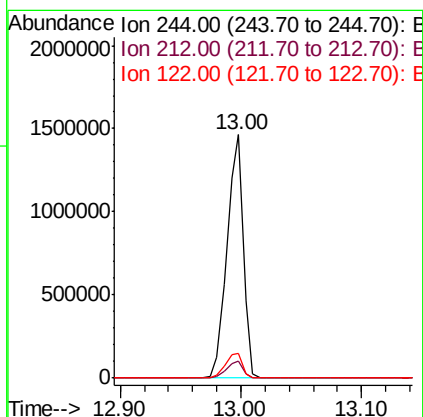
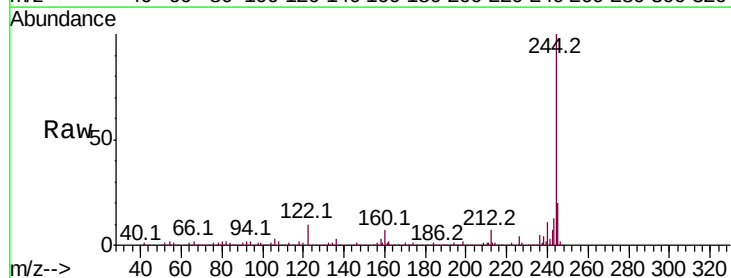
Instrument :
 BNA_F
 ClientSampleID :

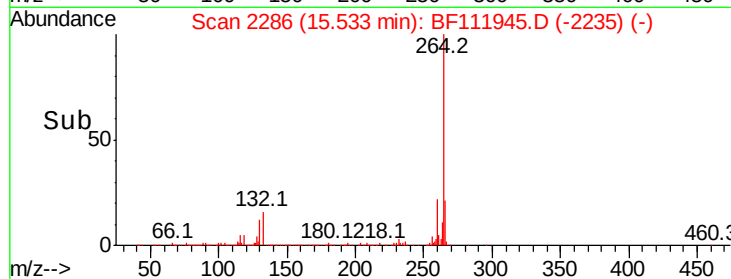
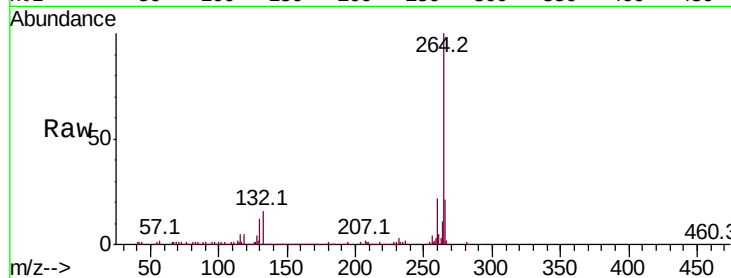
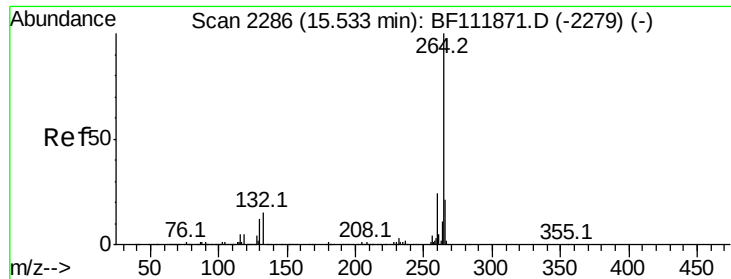
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.4	20.2	30.4



#79
 Terphenyl-d14
 Concen: 80.528 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF111945.D
 Acq: 9 Jan 2019 12:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.1	9.5	14.3





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF111945.D
Acq: 9 Jan 2019 12:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.1	17.1	25.7

