

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111676.D
 Acq On : 21 Dec 2018 8:56
 Operator : JU/SJ
 Sample : J6502-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 09:36:49 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	173707	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	612496	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	267788	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	427263	20.00	ng	0.00
76) Chrysene-d12	14.04	240	421895	20.00	ng	0.00
87) Perylene-d12	15.52	264	309918	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	453161	44.47	ng	0.00
7) Phenol-d6	6.51	99	350485	27.02	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1143218	108.64	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	270350	85.44	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2039930	111.03	ng	0.00
79) Terphenyl-d14	13.00	244	1581914	71.11	ng	0.00

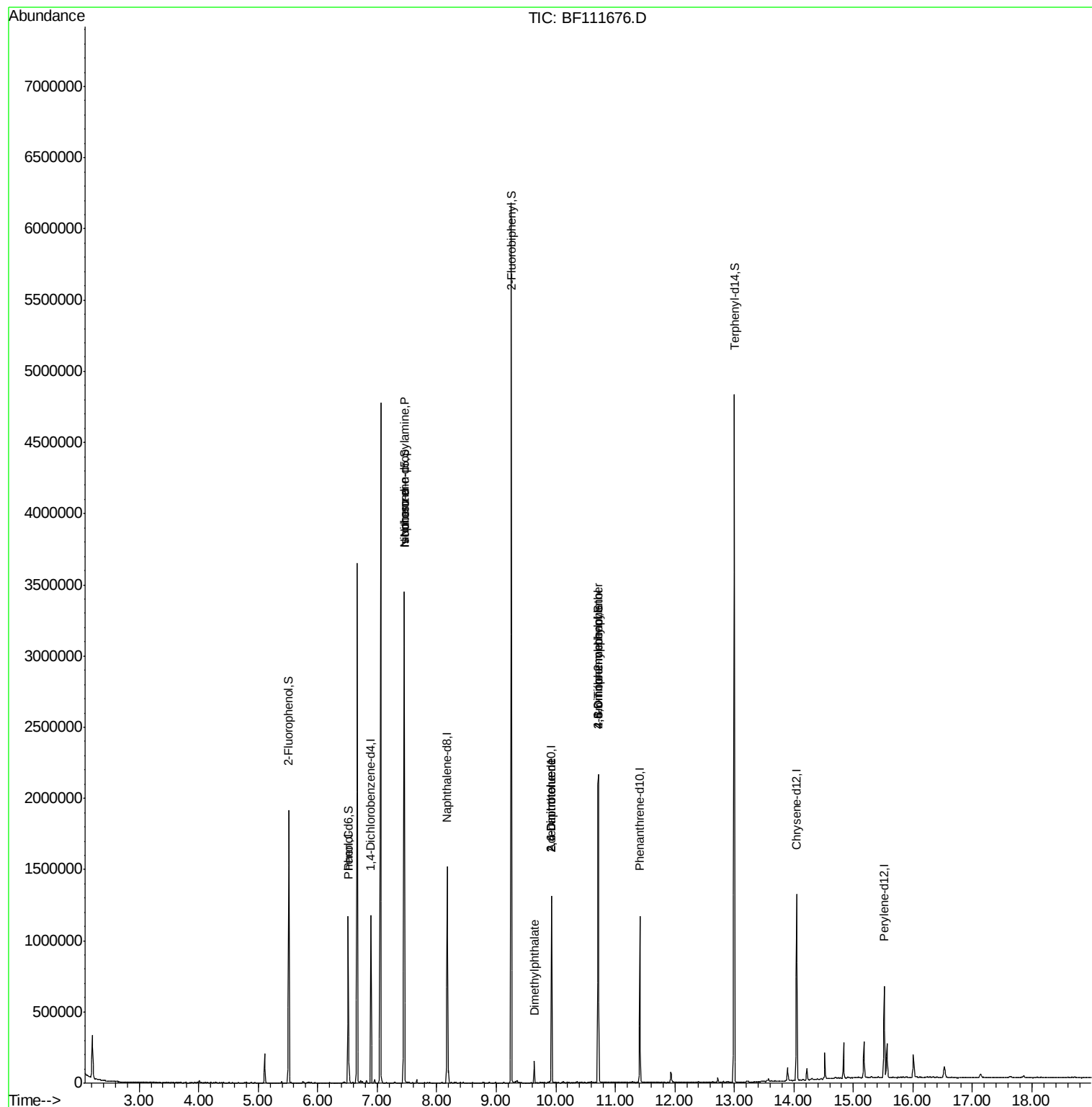
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	37783	2.582	ng	95
19) n-Nitroso-di-n-propylamine	7.46	70	157121	18.242	ng	# 76
25) Isophorone	7.46	82	1143203	61.197	ng	# 64
50) Dimethylphthalate	9.64	163	55488	2.834	ng	96
51) 2,6-Dinitrotoluene	9.93	165	35338	9.050	ng	# 29
57) 2,4-Dinitrotoluene	9.93	165	35338	7.530	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.71	198	448	6.911	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	16356	3.086	ng	# 1

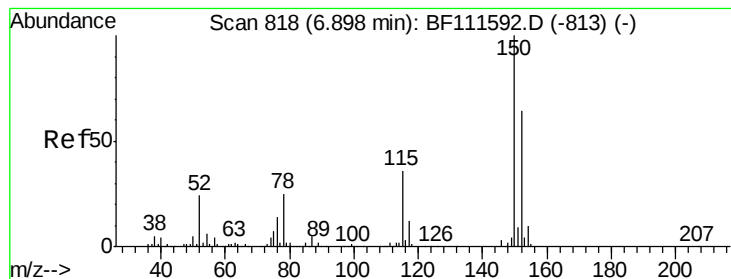
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 35 Sample Multiplier: 1

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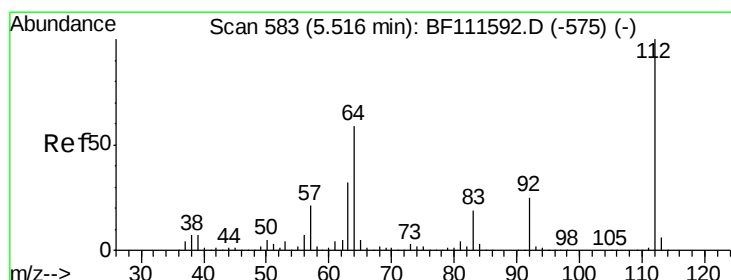
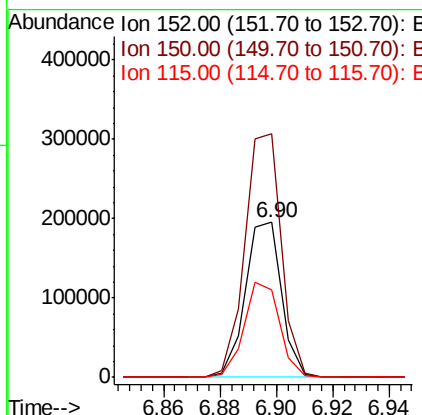
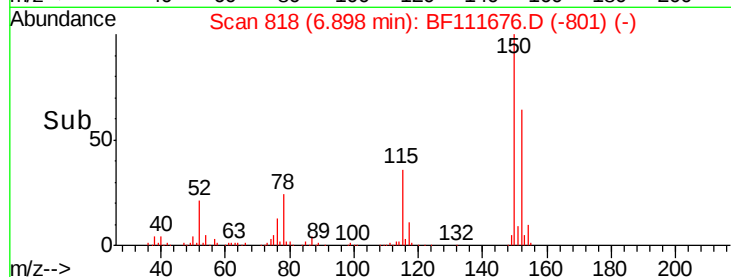
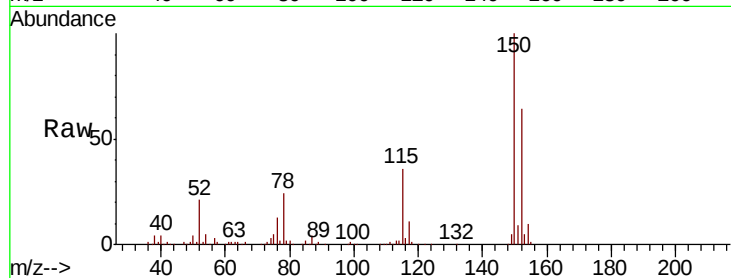


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Instrument :
BNA_F
ClientSampleId :

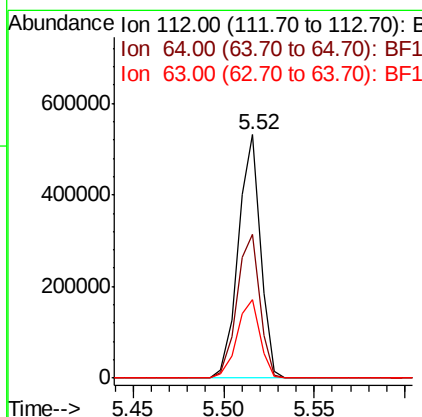
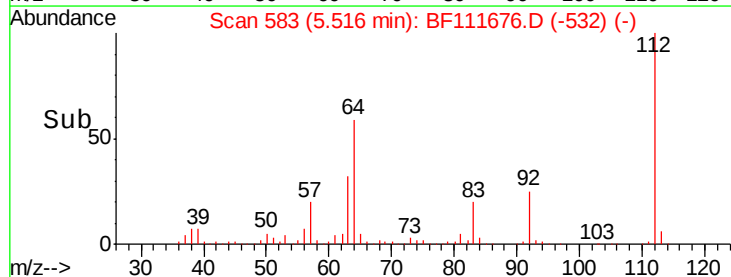
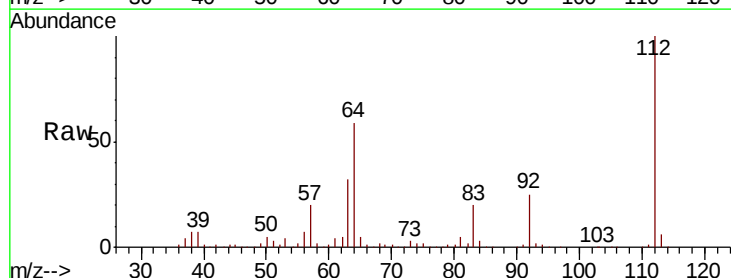
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.6	189.8
115	56.3	50.7	76.1

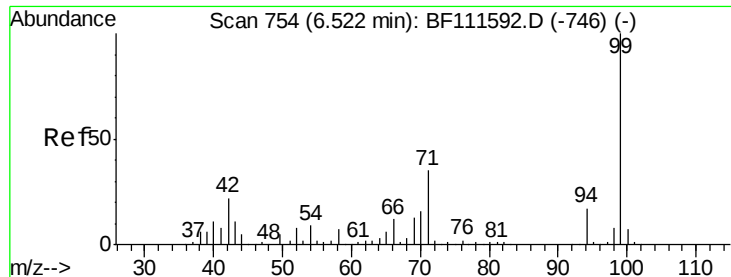


#5

2-Fluorophenol
Concen: 44.467 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	51.8	77.6
63	32.2	26.8	40.2





#7

Phenol-d6

Concen: 27.024 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111676.D

Acq: 21 Dec 2018 8:56

Instrument :

BNA_F

ClientSampled :

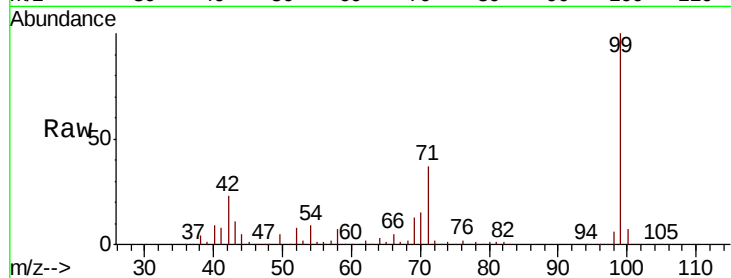
Tot Ion: 99 Resp: 350485

Ion Ratio Lower Upper

99 100

42 23.3 17.4 26.0

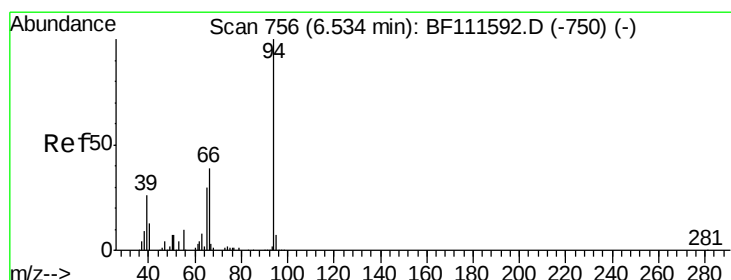
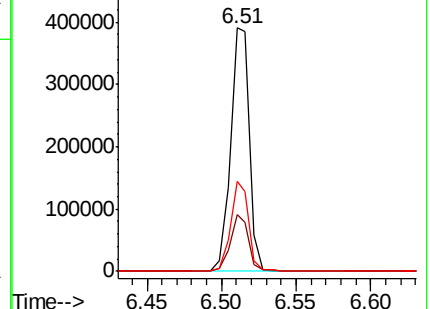
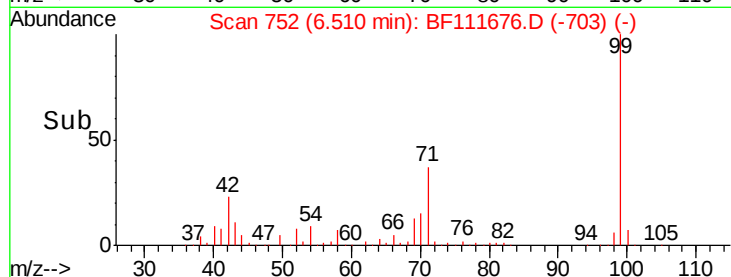
71 36.9 26.1 39.1



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: 2.582 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111676.D

Acq: 21 Dec 2018 8:56

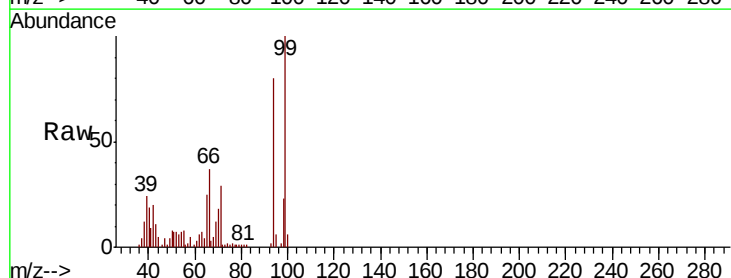
Tgt Ion: 94 Resp: 37783

Ion Ratio Lower Upper

94 100

65 31.8 11.7 51.7

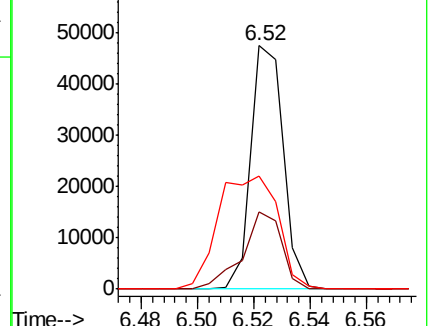
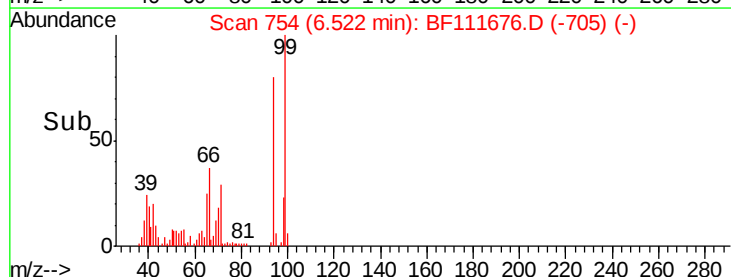
66 46.3 21.0 61.0

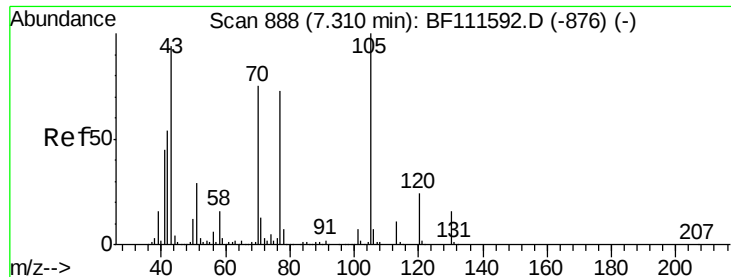


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

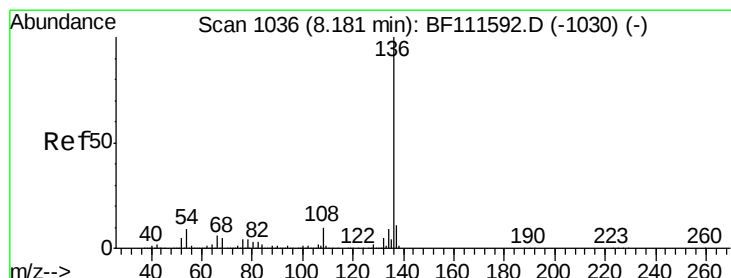
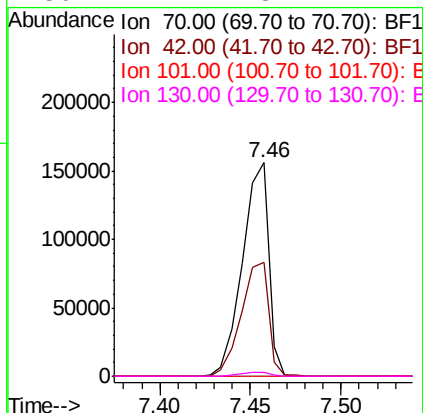
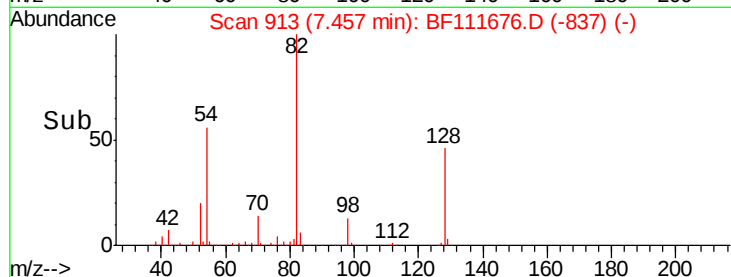
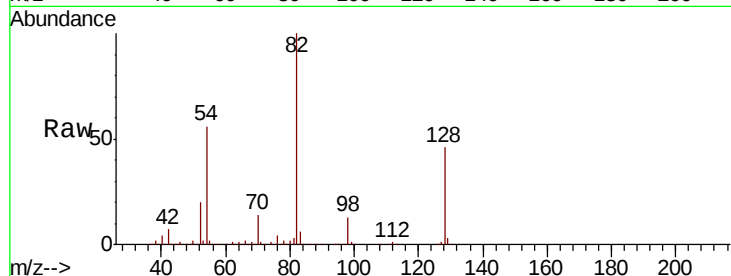




#19
n-Nitroso-di-n-propylamine
Concen: 18.242 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

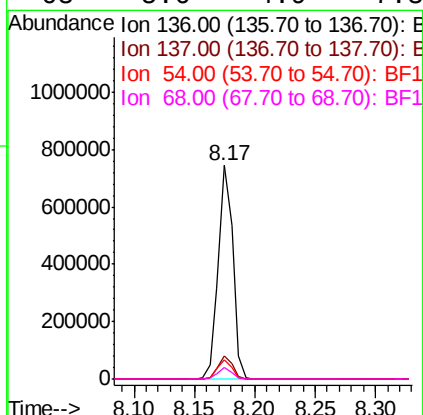
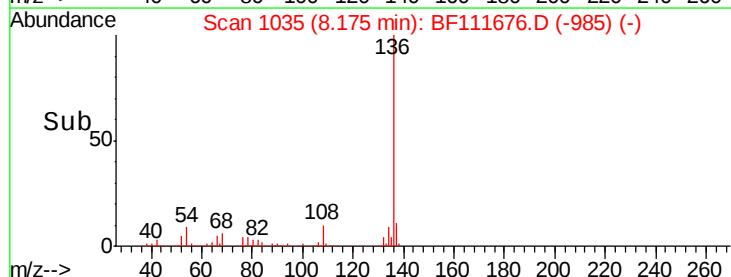
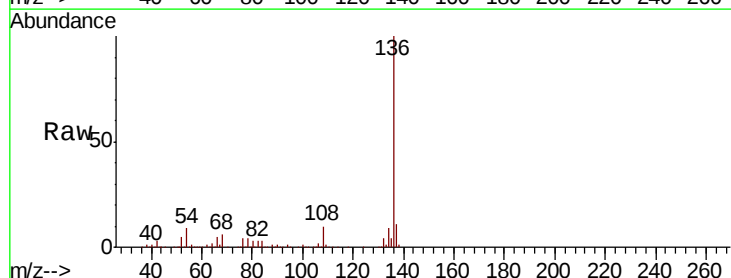
Instrument :
BNA_F
ClientSampled :

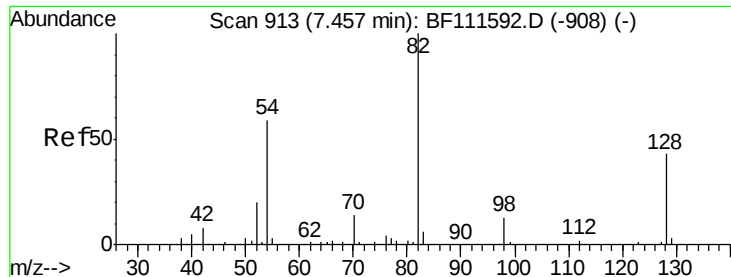
Tot Ion: 70 Resp: 157121
Ion Ratio Lower Upper
70 100
42 53.2 53.2 79.8
101 0.0 8.2 12.4#
130 1.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Tgt Ion:136 Resp: 612496
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 8.8 7.7 11.5
68 5.6 4.9 7.3

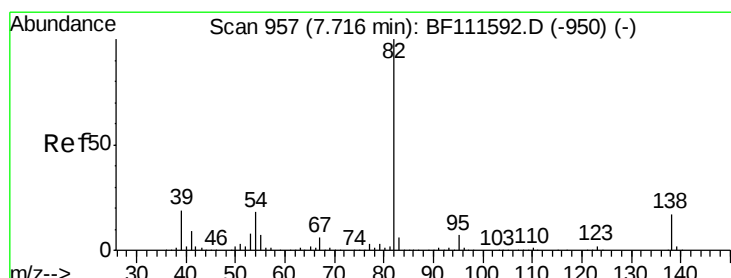
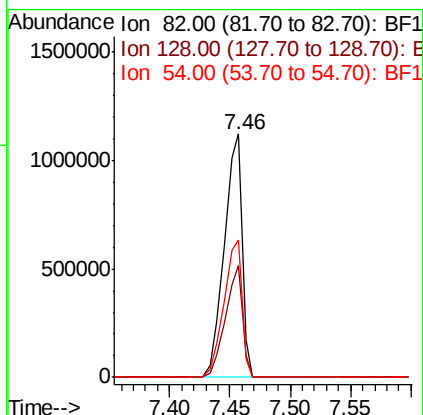
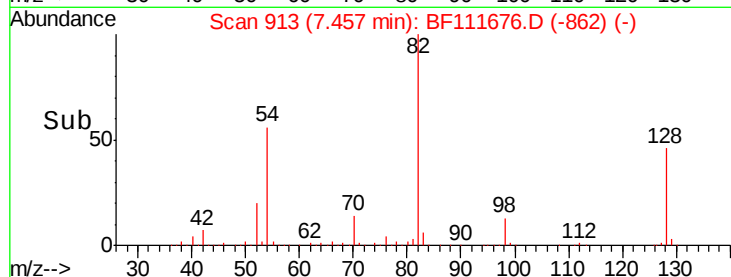
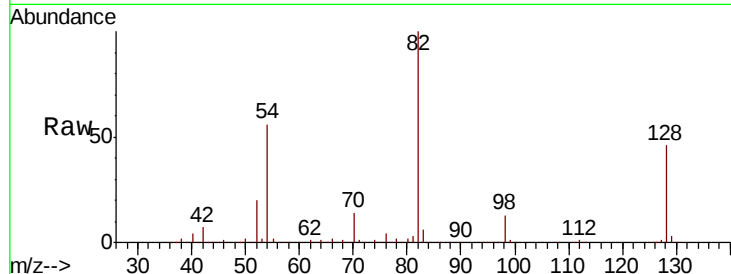




#23
Nitrobenzene-d5
Concen: 108.644 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

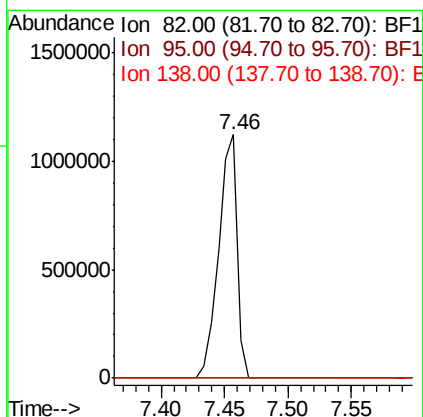
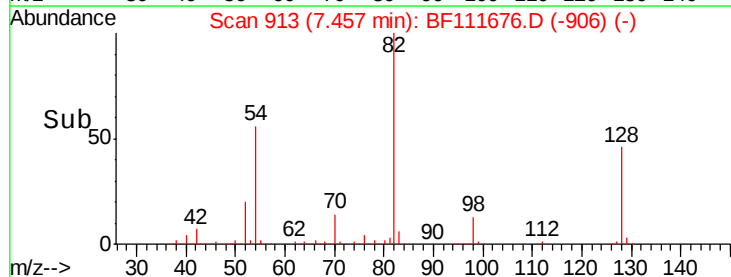
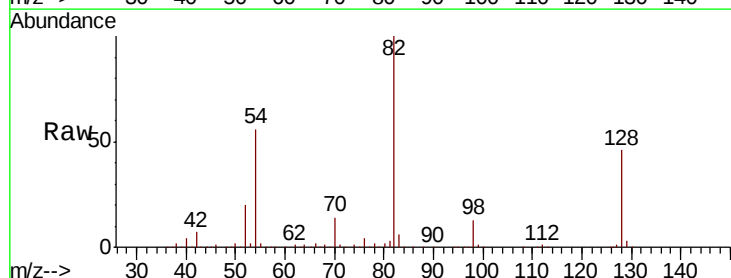
Instrument :
BNA_F
ClientSampleID :

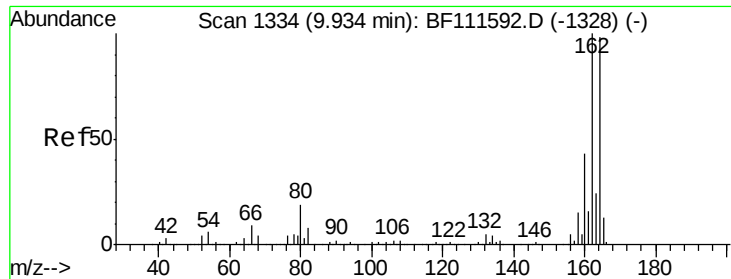
Tot Ion: 82 Resp: 1143218
Ion Ratio Lower Upper
82 100
128 45.8 37.4 56.2
54 56.4 47.6 71.4



#25
Isophorone
Concen: 61.197 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Tgt Ion: 82 Resp: 1143203
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

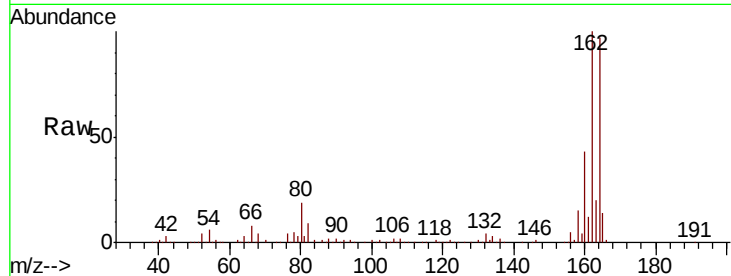




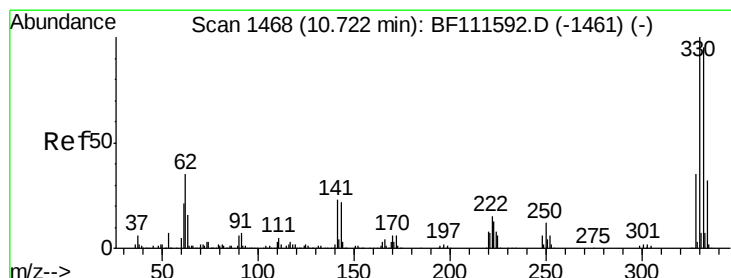
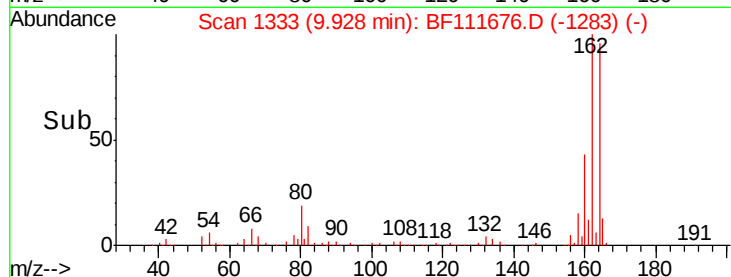
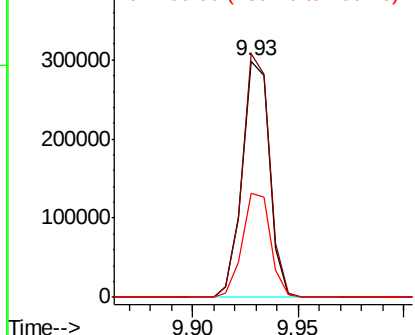
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF111676.D
 Acq: 21 Dec 2018 8:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.4	122.0
160	43.8	35.7	53.5

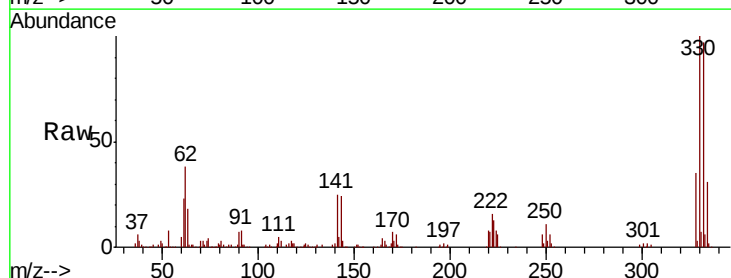


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

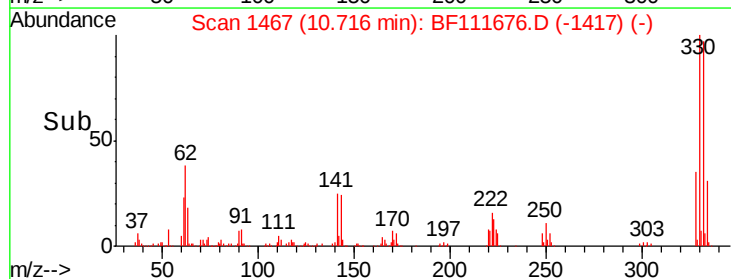
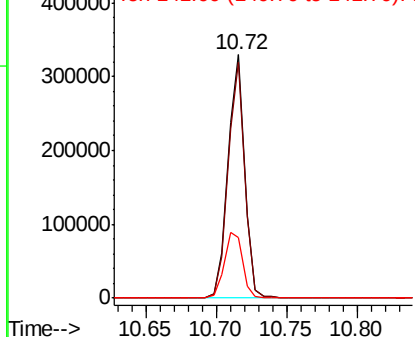


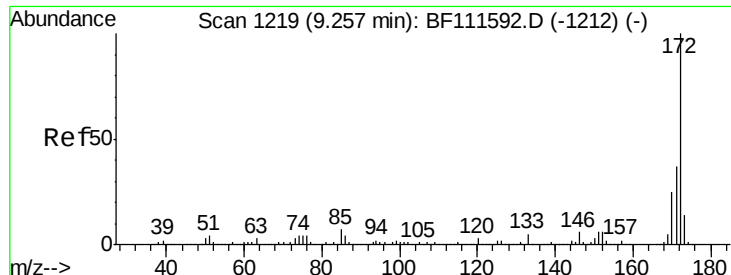
#42
 2,4,6-Tribromophenol
 Concen: 85.442 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111676.D
 Acq: 21 Dec 2018 8:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.0	114.0
141	29.8	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

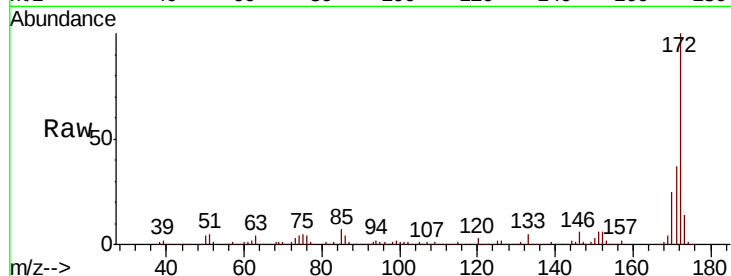




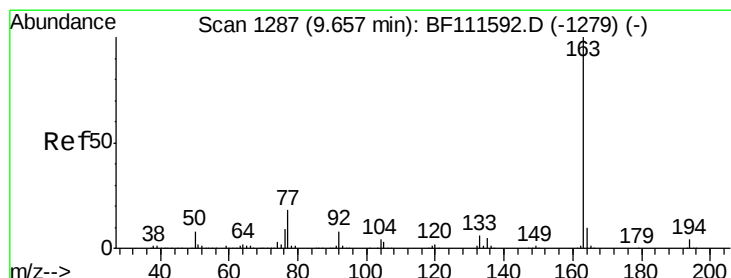
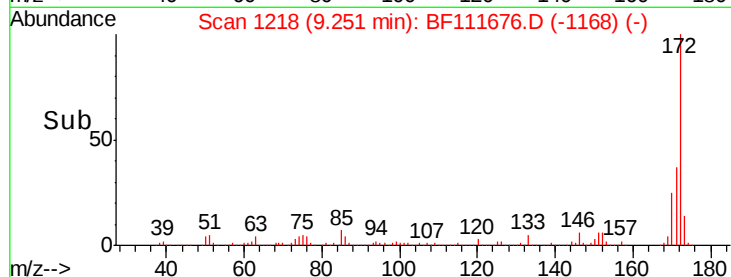
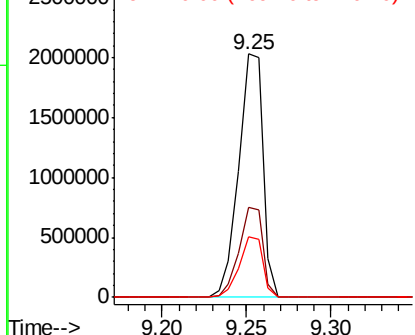
#45
2-Fluorobiphenyl
Concen: 111.034 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2039930
Ion Ratio Lower Upper
172 100
171 36.8 33.0 49.4
170 24.8 22.3 33.5

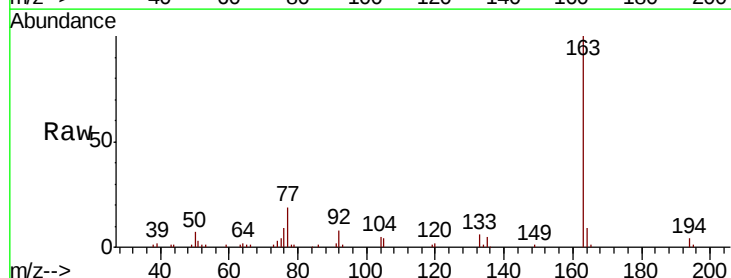


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

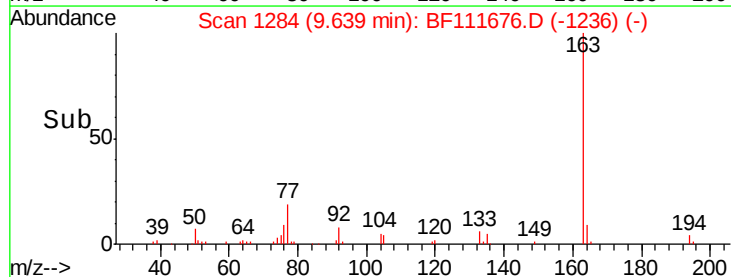
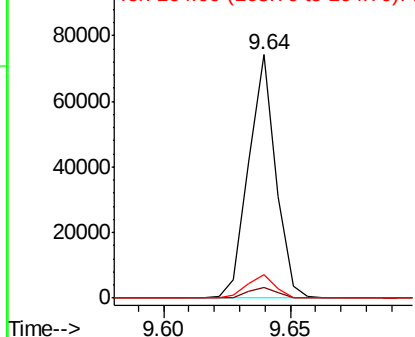


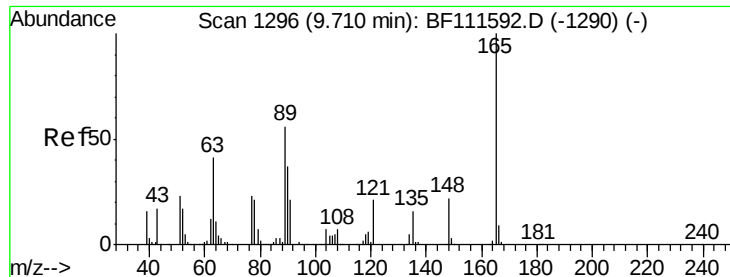
#50
Dimethylphthalate
Concen: 2.834 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Tgt Ion:163 Resp: 55488
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.4 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

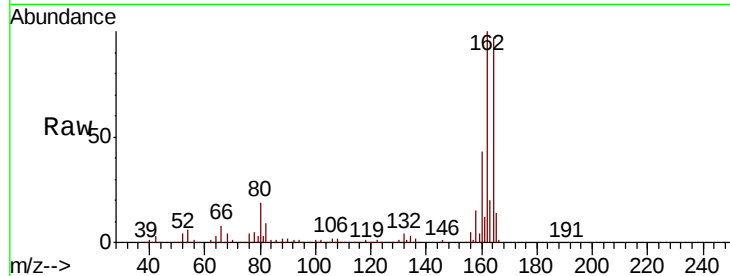




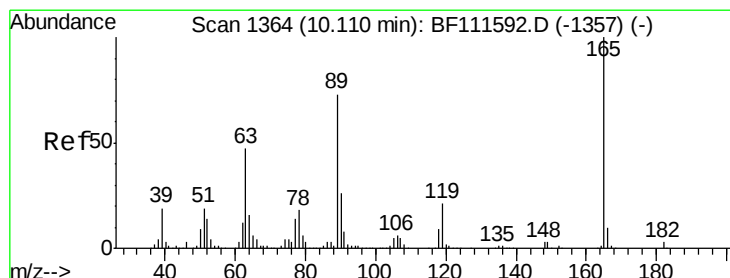
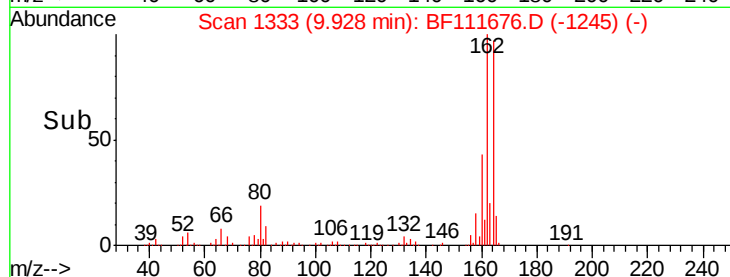
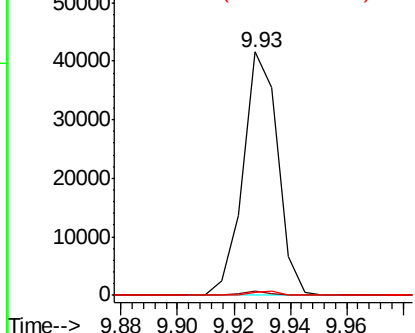
#51
2,6-Dinitrotoluene
Concen: 9.050 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.5	60.7#
89	1.1	40.0	60.0#



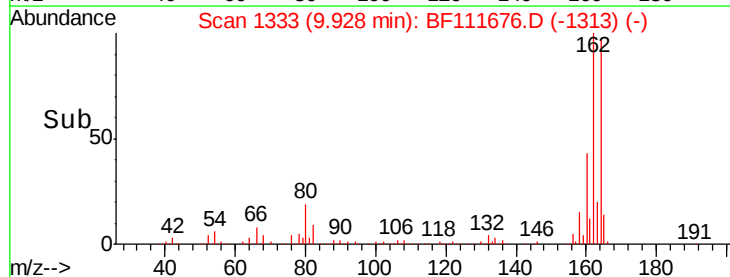
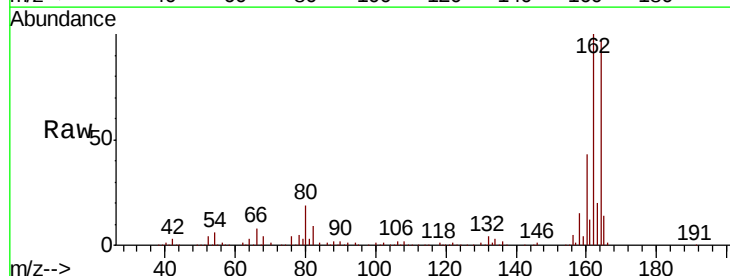
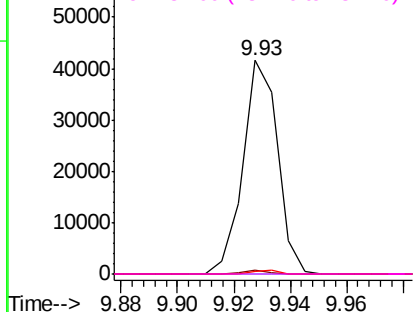
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

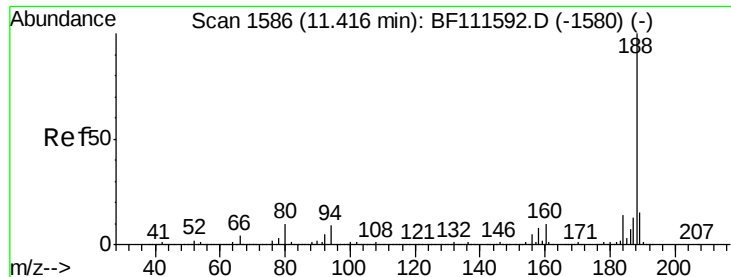


#57
2,4-Dinitrotoluene
Concen: 7.530 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.18 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.1	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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111676.D

Acq: 21 Dec 2018 8:56

Instrument :

BNA_F

ClientSampleId :

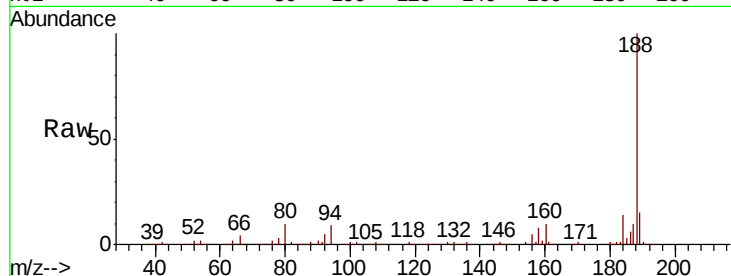
Tot Ion:188 Resp: 427263

Ion Ratio Lower Upper

188 100

94 9.3 9.6 14.4#

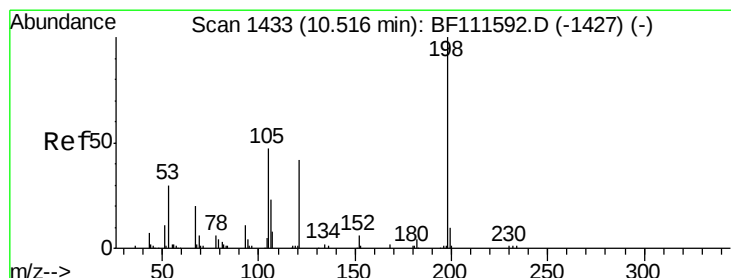
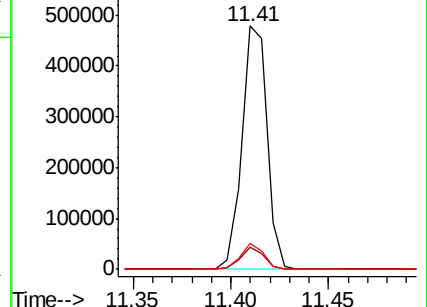
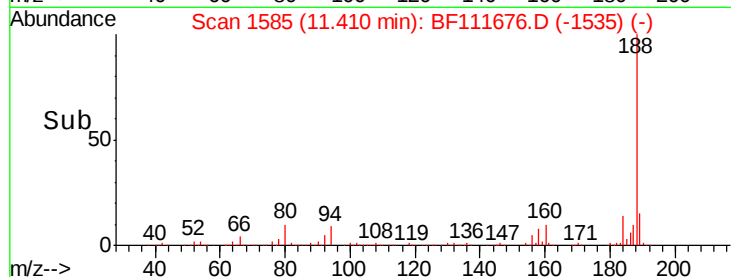
80 10.5 9.8 14.6



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: 6.911 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF111676.D

Acq: 21 Dec 2018 8:56

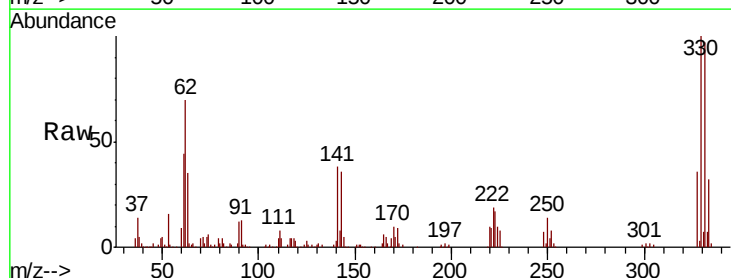
Tgt Ion:198 Resp: 448

Ion Ratio Lower Upper

198 100

51 202.9 48.0 88.0#

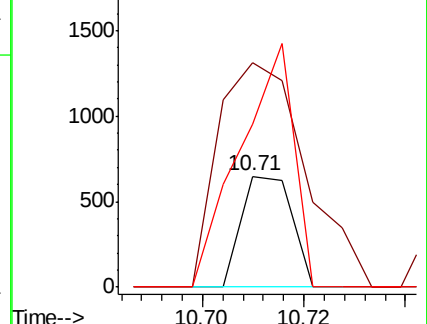
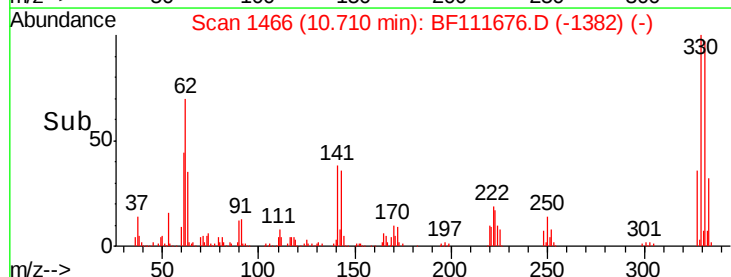
105 147.7 34.0 74.0#

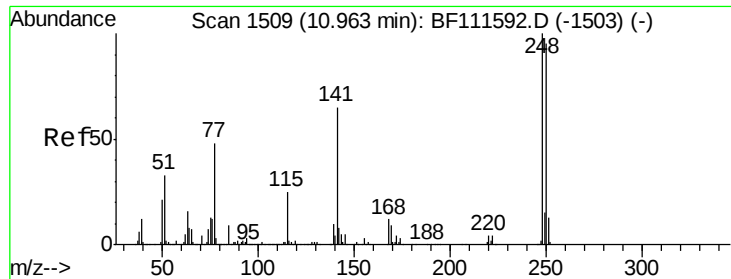


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

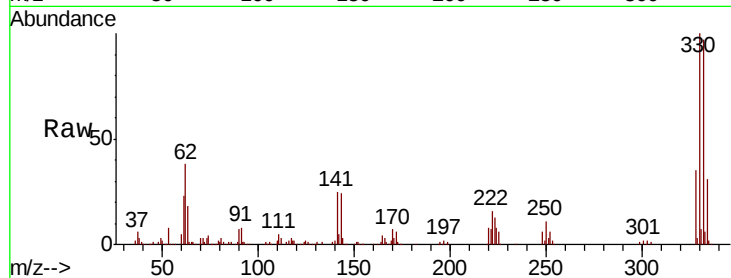




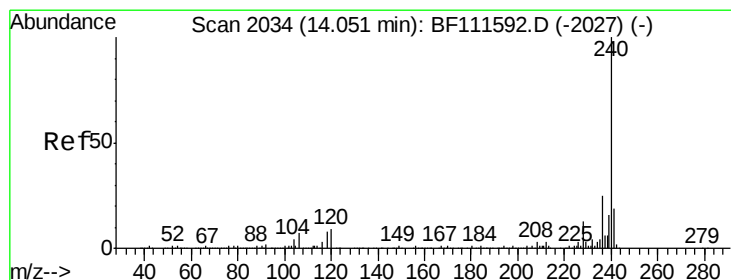
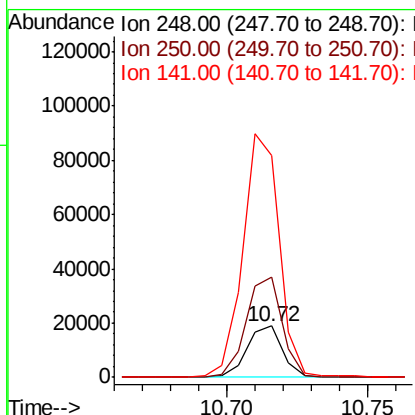
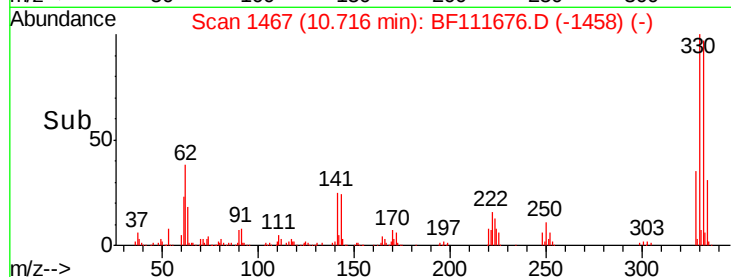
#67
4-Bromophenyl-phenylether
Concen: 3.086 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16356
Ion Ratio Lower Upper
248 100
250 195.7 77.0 115.4#
141 433.2 63.0 94.6#

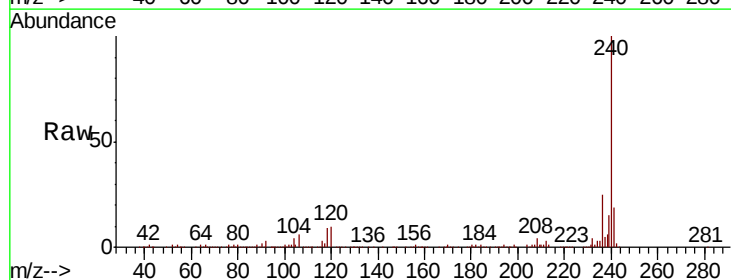


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

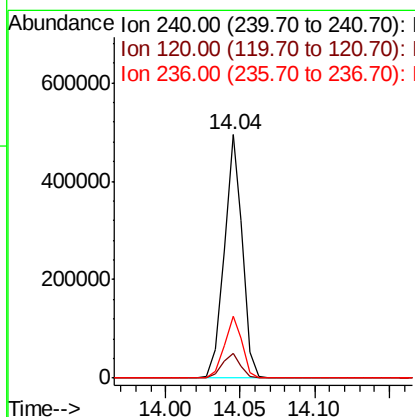
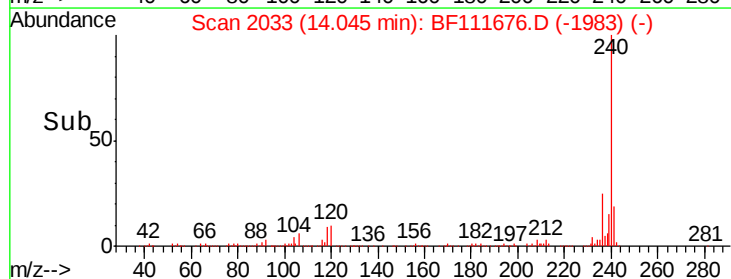


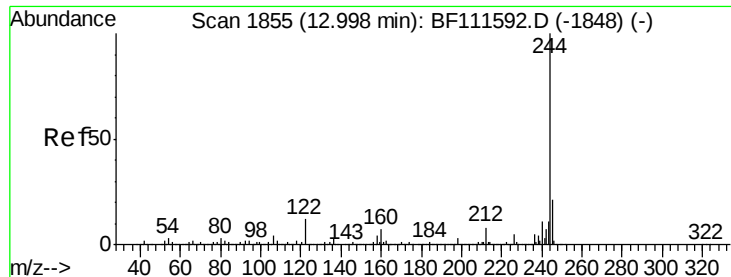
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111676.D
Acq: 21 Dec 2018 8:56

Tgt Ion:240 Resp: 421895
Ion Ratio Lower Upper
240 100
120 10.2 12.2 18.2#
236 25.2 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





#79

Terphenyl-d14

Concen: 71.107 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111676.D

Acq: 21 Dec 2018 8:56

Instrument :

BNA_F

ClientSampled :

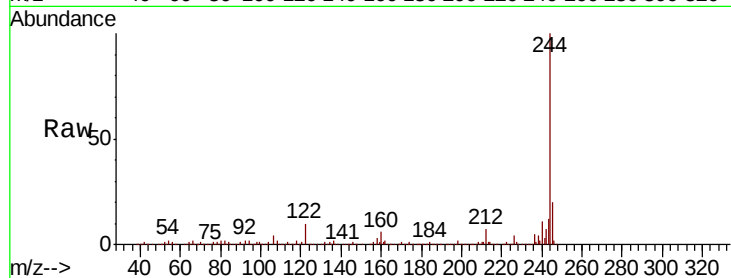
Tot Ion:244 Resp: 1581914

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.2 13.1 19.7#

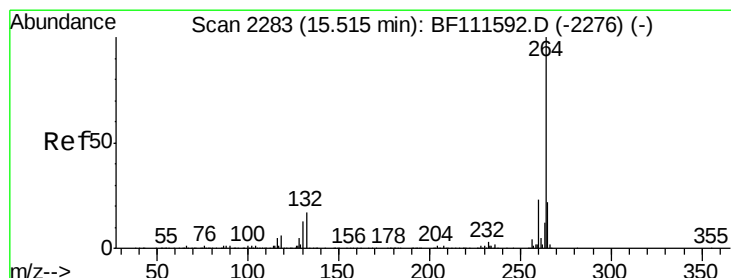
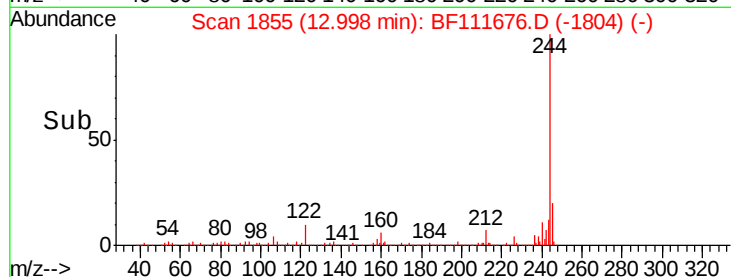
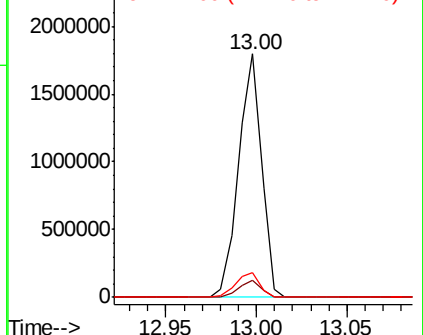


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111676.D

Acq: 21 Dec 2018 8:56

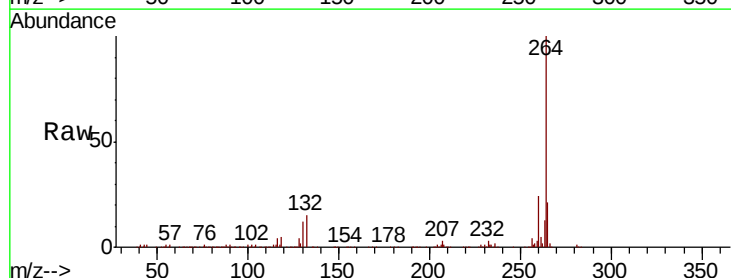
Tgt Ion:264 Resp: 309918

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 21.2 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

