

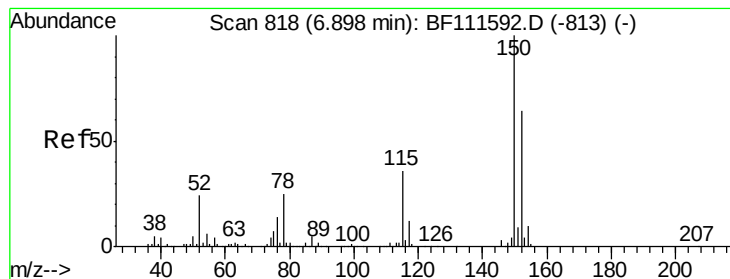
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111713.D
 Acq On : 26 Dec 2018 13:56
 Operator : JU/SJ
 Sample : J6498-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 26 15:25:11 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 26 13:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	158353	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	591073	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	299746	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	555131	20.00	ng	0.00
76) Chrysene-d12	14.06	240	433777	20.00	ng	0.00
87) Perylene-d12	15.54	264	414764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	660421	71.09	ng	0.00
7) Phenol-d6	6.53	99	859184	72.67	ng	-0.01
23) Nitrobenzene-d5	7.46	82	534061	52.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	261742	73.90	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1055430	51.32	ng	0.00
79) Terphenyl-d14	13.00	244	1080281	47.23	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	16804	2.067	ng	83
10) Phenol	6.55	94	61488	4.609	ng	98
19) n-Nitroso-di-n-propylamine	7.46	70	72960	9.292	ng	# 78
25) Isophorone	7.46	82	534054	29.625	ng	# 64
50) Dimethylphthalate	9.65	163	148258	6.764	ng	96
57) 2,4-Dinitrotoluene	9.93	165	39113	7.446	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	646	6.935	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	16676	2.422	ng	# 1
75) Fluoranthene	12.65	202	105382	3.535	ng	93
78) Pyrene	12.86	202	97711	3.190	ng	93
88) Benzo(b)fluoranthene	15.10	252	61211	2.525	ng	96
89) Benzo(k)fluoranthene	15.10	252	61211	2.652	ng	95

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

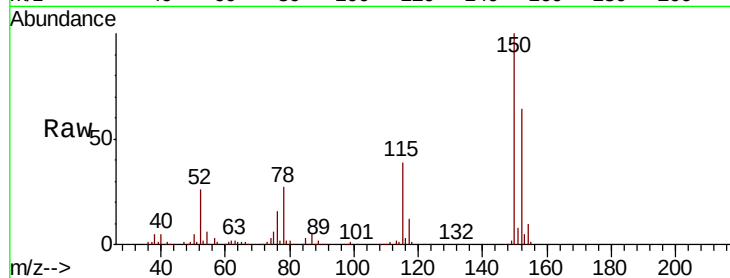


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.6	189.8
115	61.4	50.7	76.1

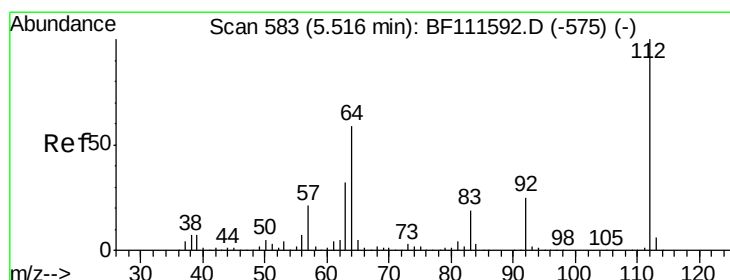
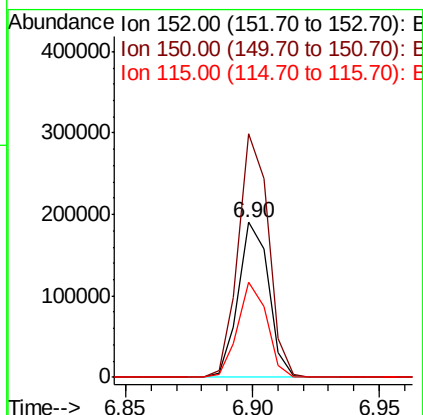
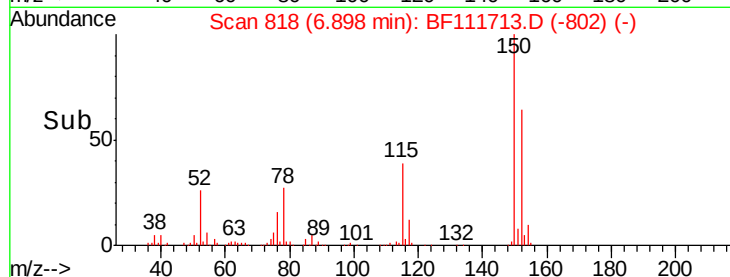


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

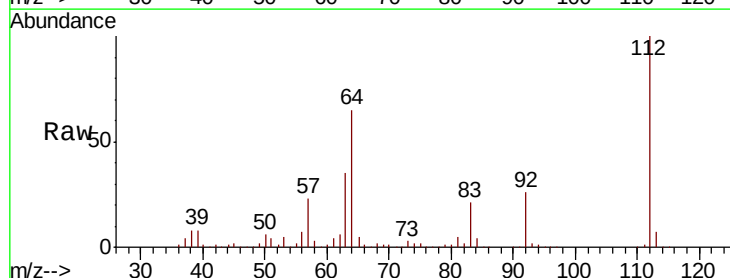
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 71.089 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	51.8	77.6
63	35.1	26.8	40.2

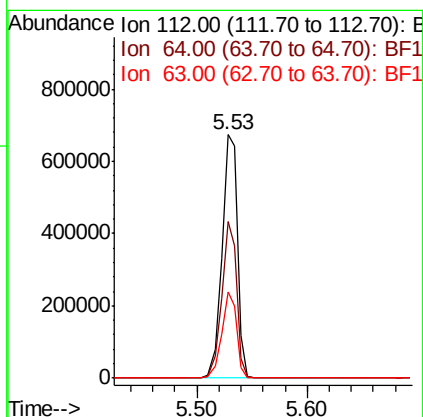
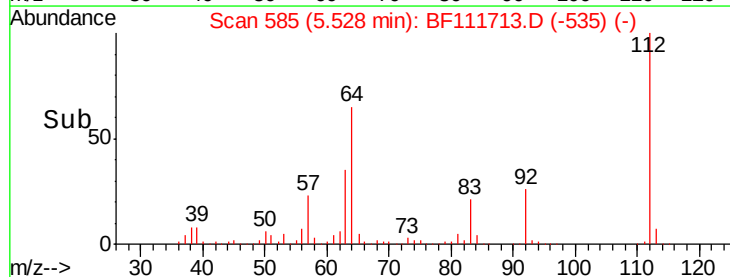


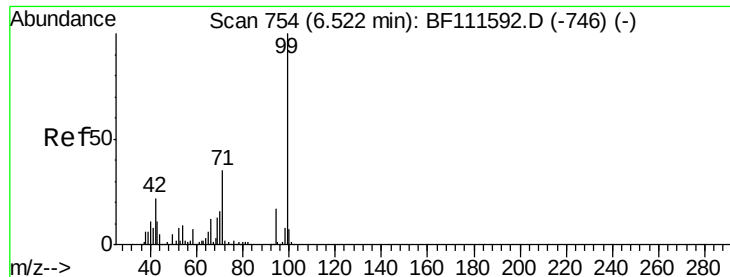
Abundance

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: 72.670 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

Instrument :

BNA_E

ClientSampleId :

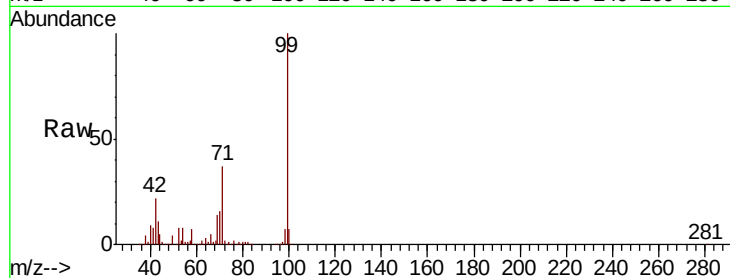
Tot Ion: 99 Resp: 859184

Ion Ratio Lower Upper

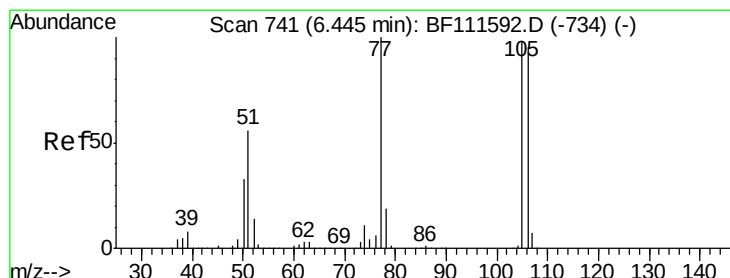
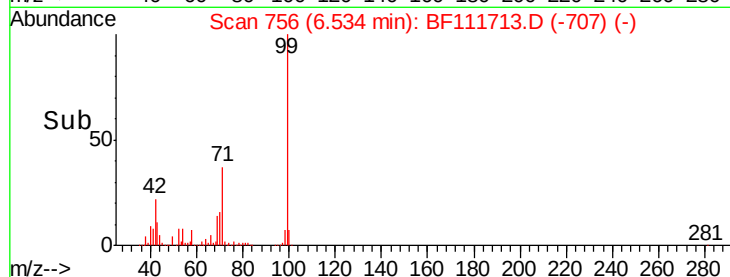
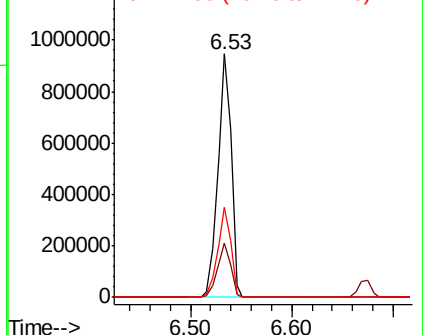
99 100

42 22.3 17.4 26.0

71 37.0 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



#9

Benzaldehyde

Concen: 2.067 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.22 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

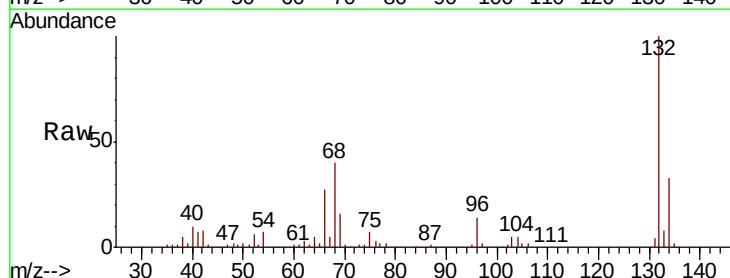
Tgt Ion: 77 Resp: 16804

Ion Ratio Lower Upper

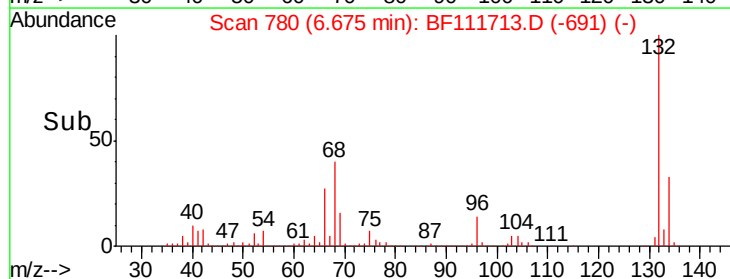
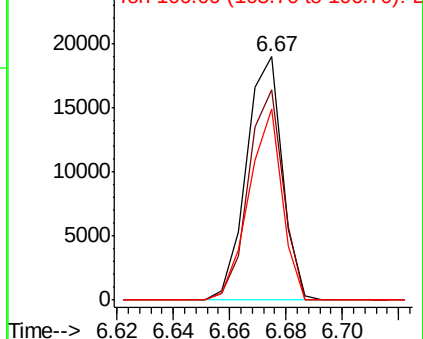
77 100

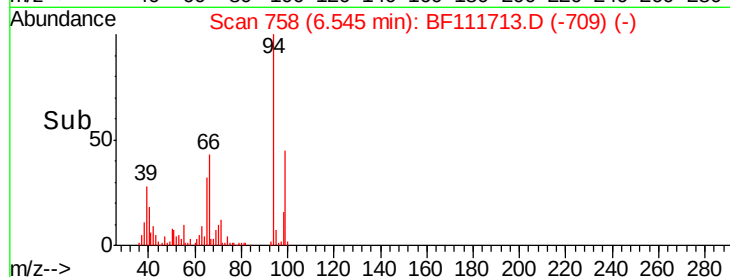
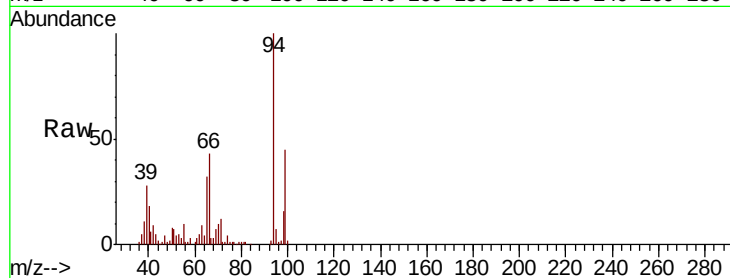
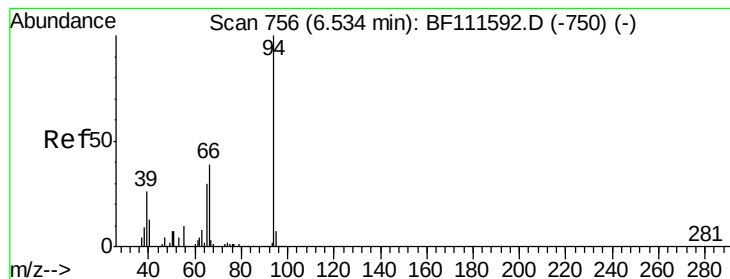
105 86.4 81.4 121.4

106 78.5 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.609 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

Instrument :

BNA_E

ClientSampleId :

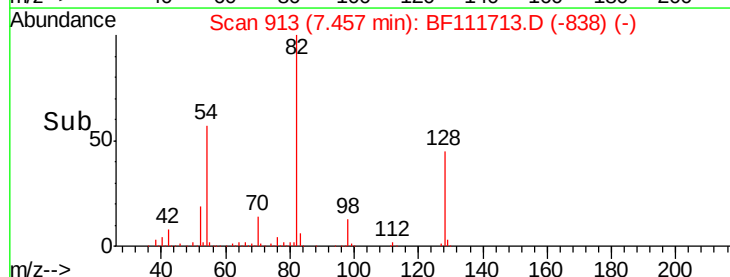
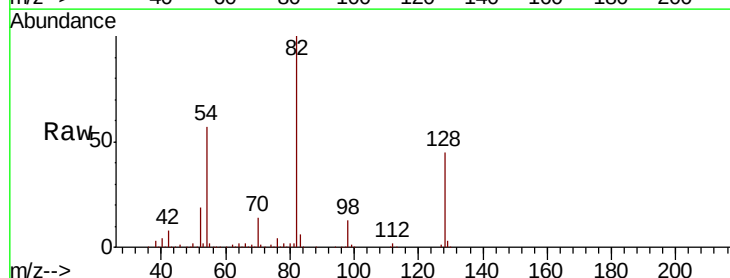
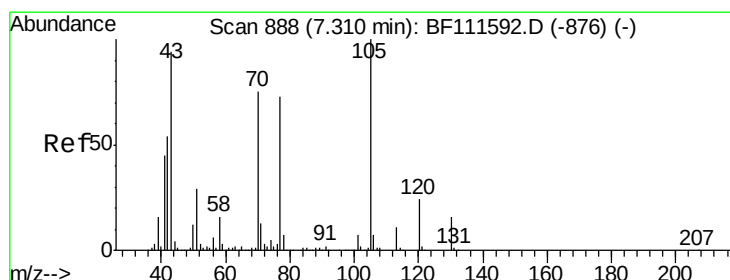
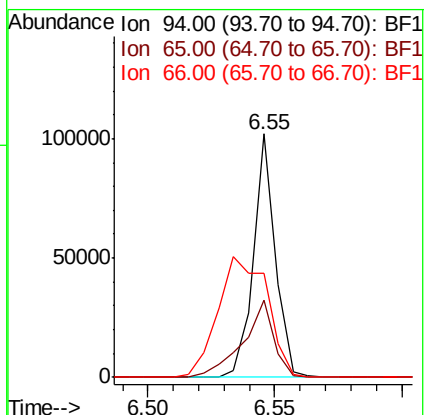
Tot Ion: 94 Resp: 61488

Ion Ratio Lower Upper

94 100

65 31.9 11.7 51.7

66 42.8 21.0 61.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.292 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

Tgt Ion: 70 Resp: 72960

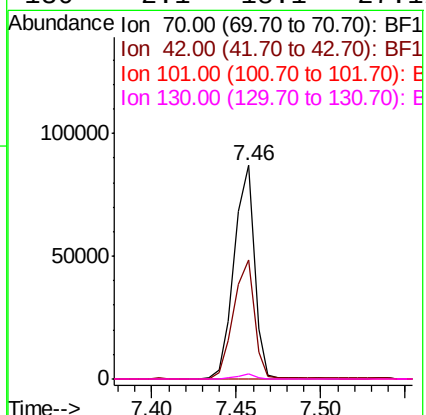
Ion Ratio Lower Upper

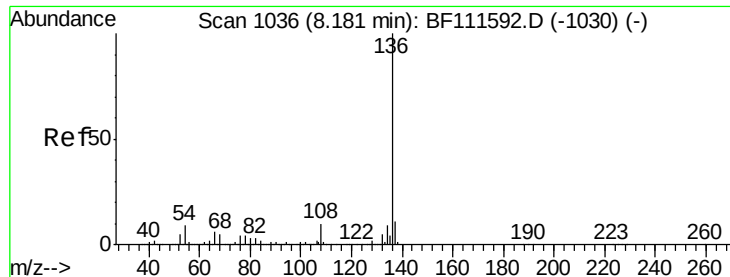
70 100

42 55.6 53.2 79.8

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

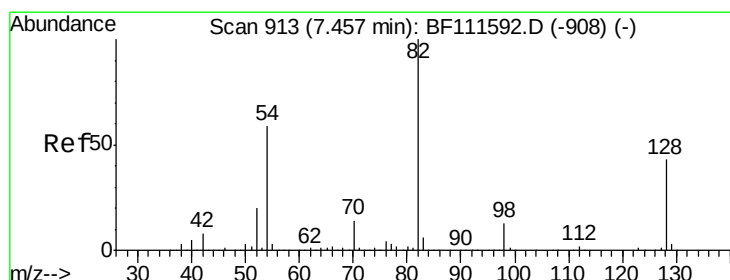
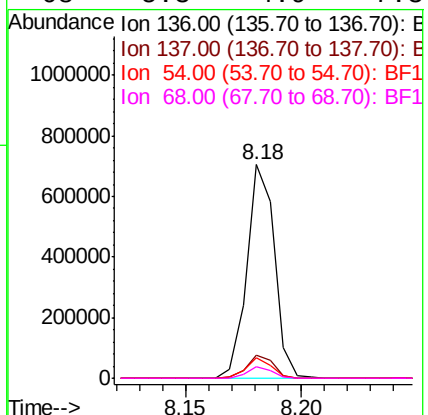
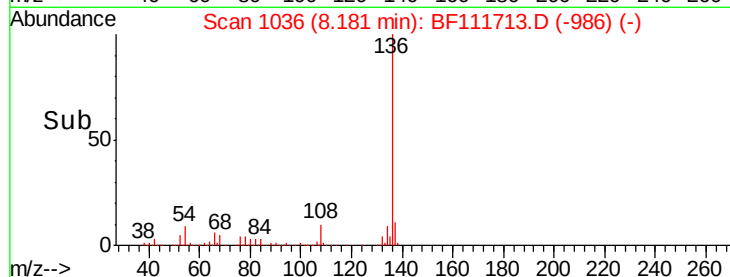
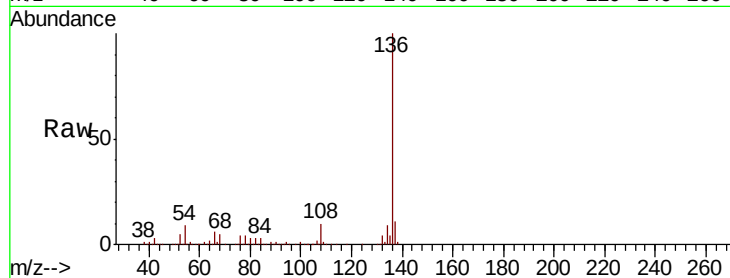




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

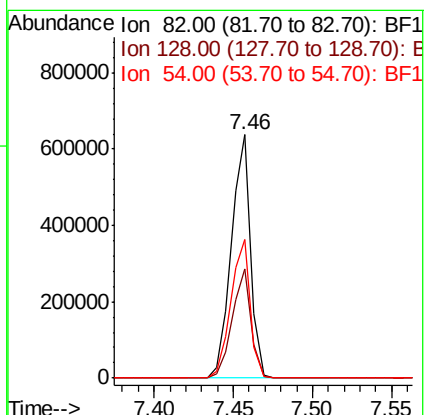
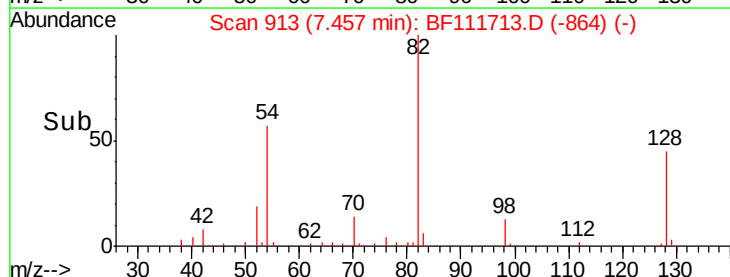
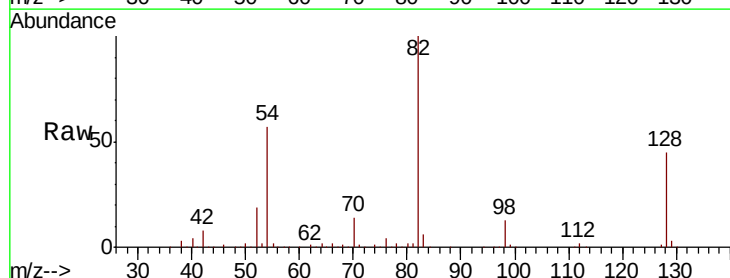
Instrument :
BNA_E
ClientSampled :

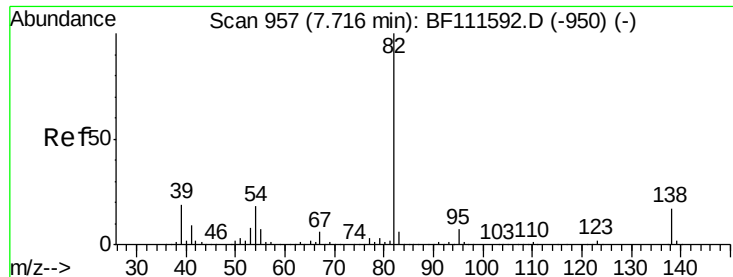
Tot Ion:136	Resp:	591073
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	9.3	7.7 11.5
68	5.3	4.9 7.3



#23
Nitrobenzene-d5
Concen: 52.593 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion: 82	Resp:	534061
Ion Ratio	Lower	Upper
82	100	
128	44.9	37.4 56.2
54	56.8	47.6 71.4

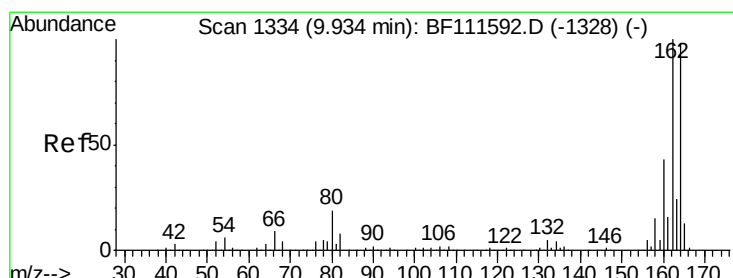
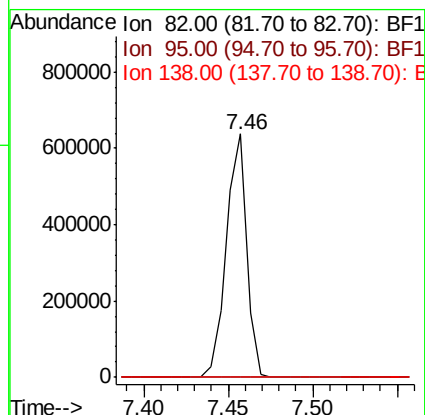
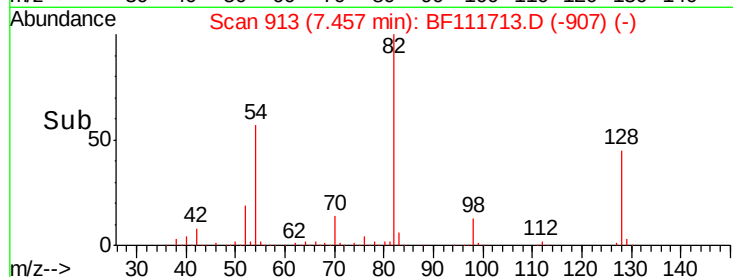
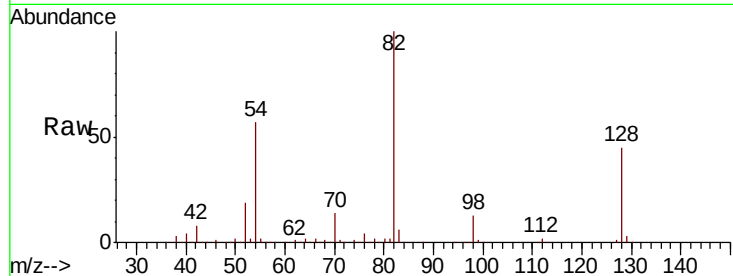




#25
Isophorone
Concen: 29.625 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

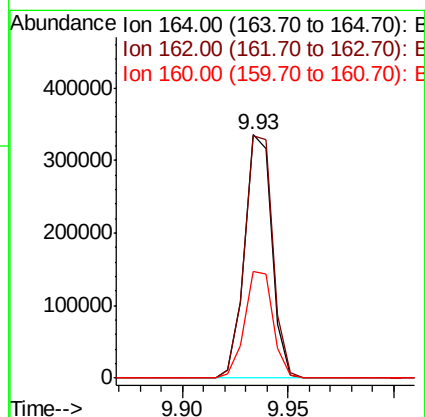
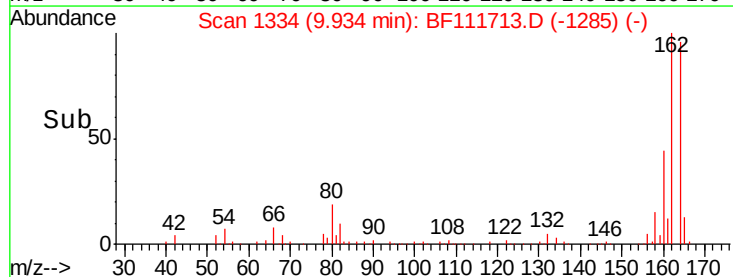
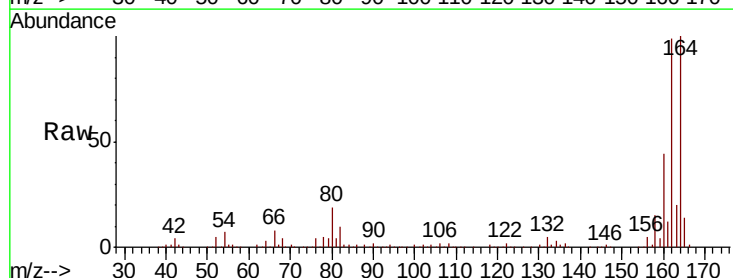
Instrument :
BNA_E
ClientSampleId :

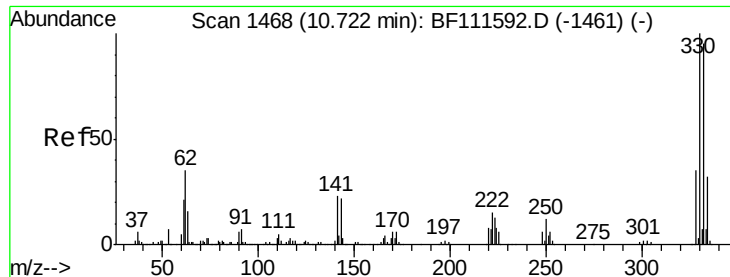
Tot Ion: 82 Resp: 534054
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion: 164 Resp: 299746
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.0
160 43.8 35.7 53.5

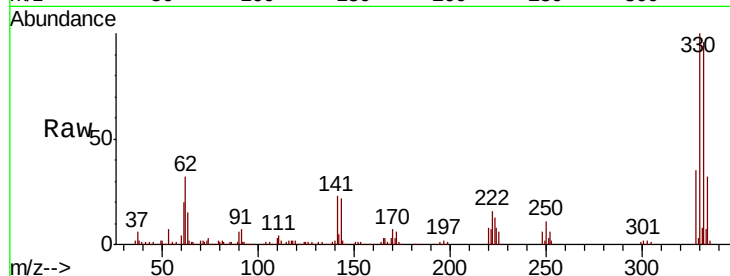




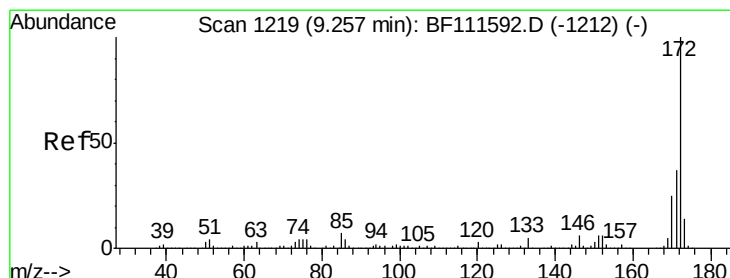
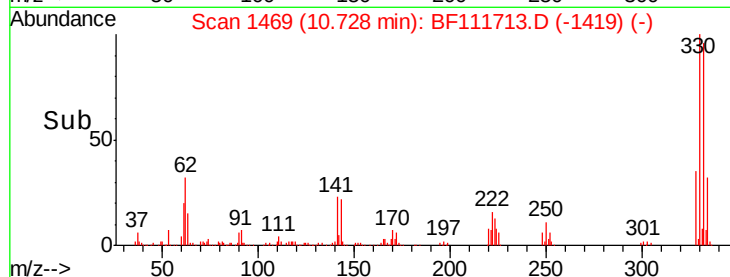
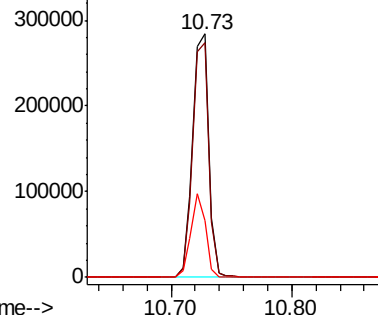
#42
 2,4,6-Tribromophenol
 Concen: 73.902 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF111713.D
 Acq: 26 Dec 2018 13:56

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.0	114.0
141	30.9	31.0	46.6#

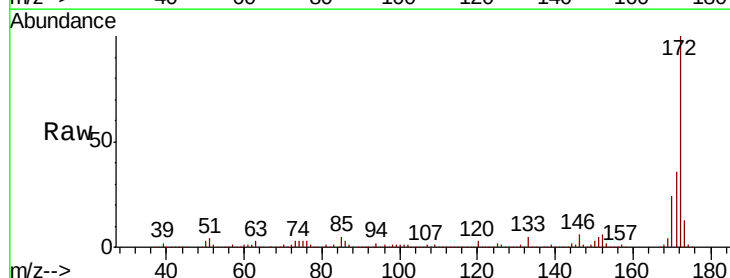


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

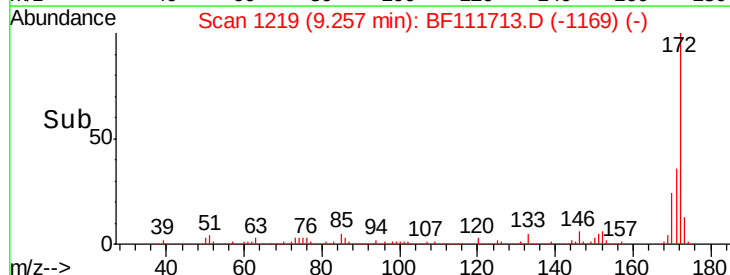
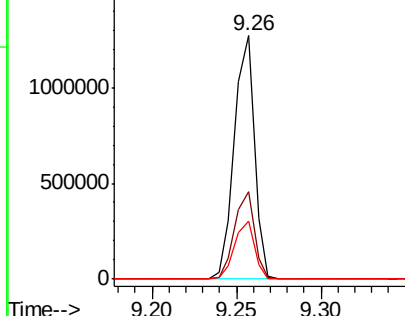


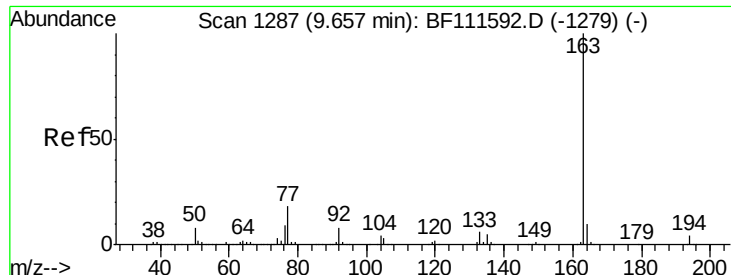
#45
 2-Fluorobiphenyl
 Concen: 51.322 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF111713.D
 Acq: 26 Dec 2018 13:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	33.0	49.4
170	23.6	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

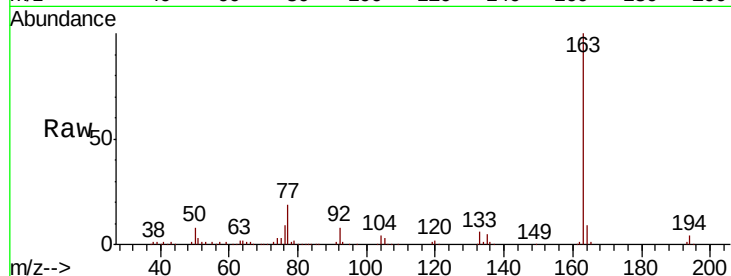




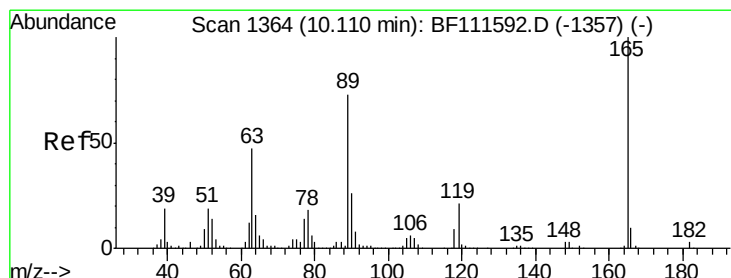
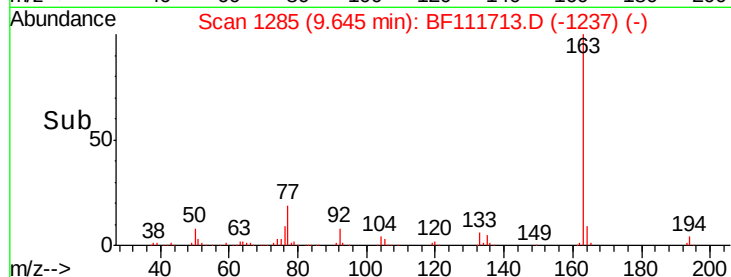
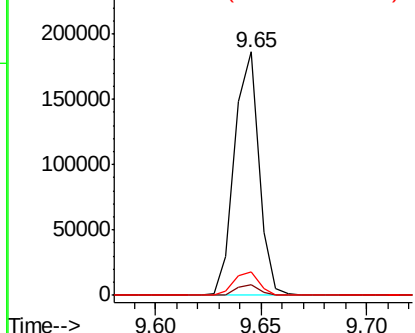
#50
Dimethylphthalate
Concen: 6.764 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	9.4	8.9	13.3

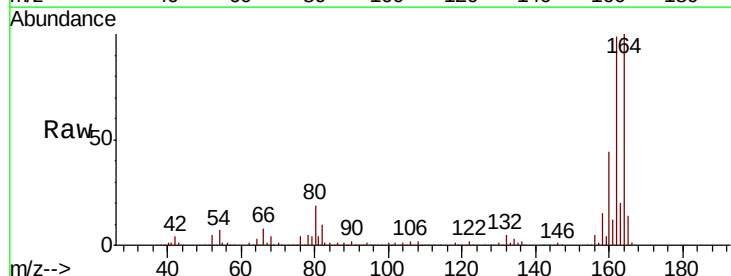


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

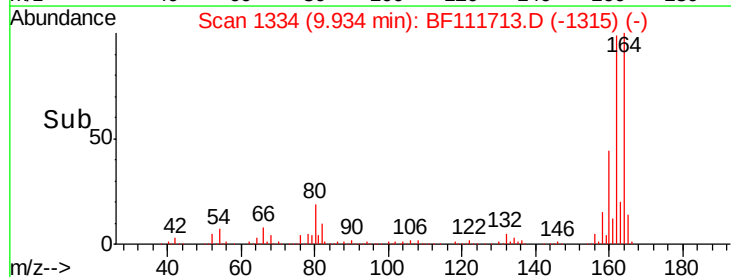
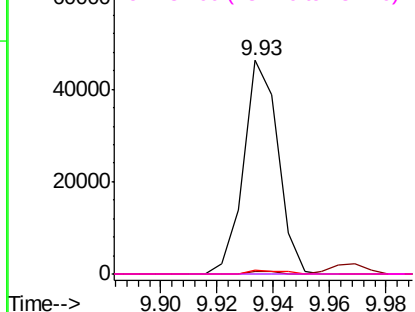


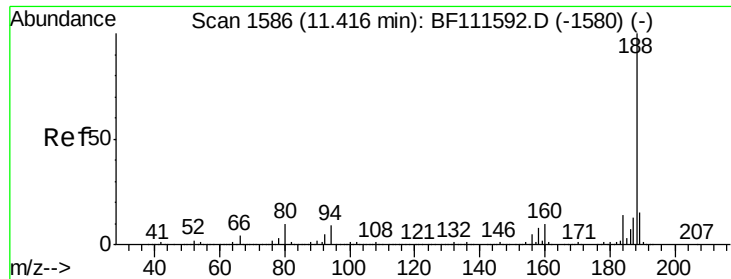
#57
2,4-Dinitrotoluene
Concen: 7.446 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.19 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	1.7	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: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

Instrument :

BNA_E

ClientSampleId :

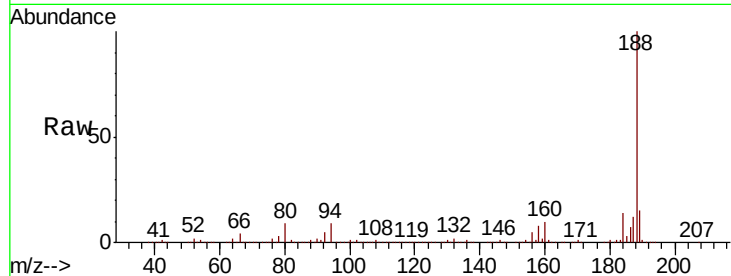
Tot Ion:188 Resp: 555131

Ion Ratio Lower Upper

188 100

94 8.7 9.6 14.4#

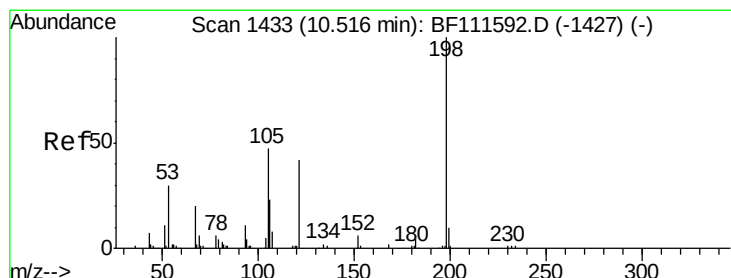
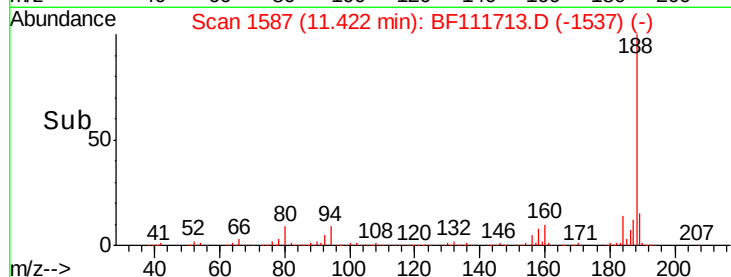
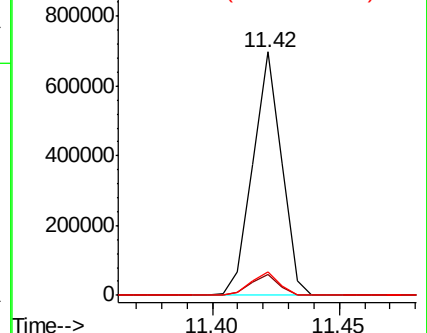
80 9.5 9.8 14.6#



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: 6.935 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

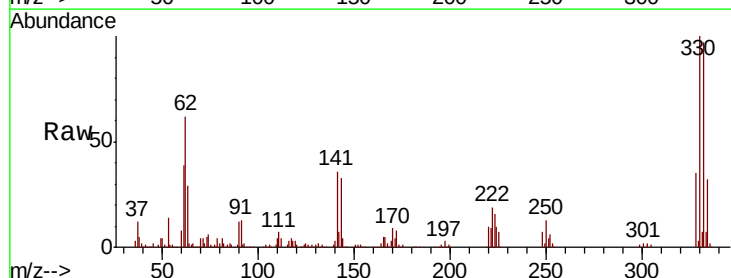
Tgt Ion:198 Resp: 646

Ion Ratio Lower Upper

198 100

51 159.3 48.0 88.0#

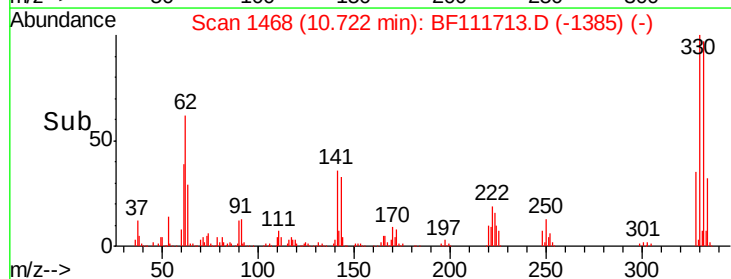
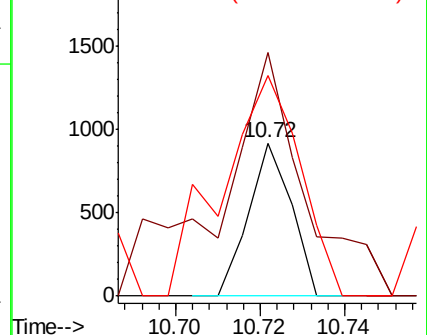
105 144.6 34.0 74.0#

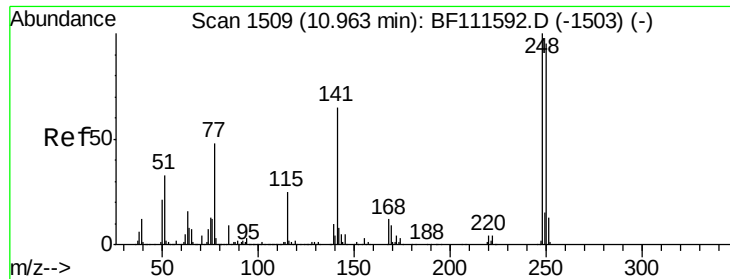


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

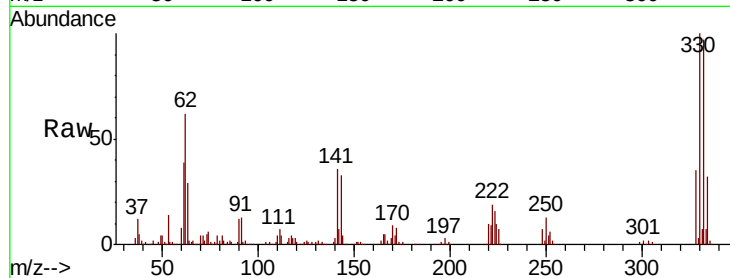




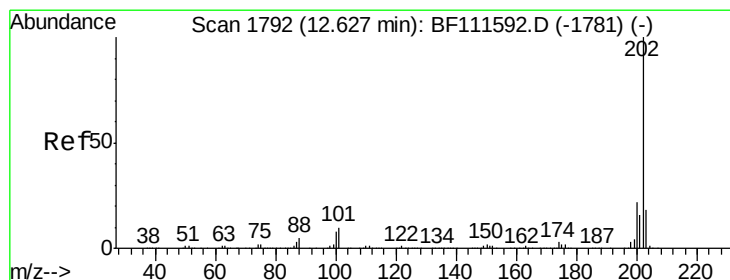
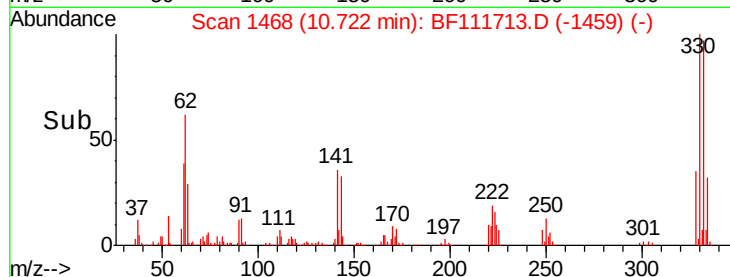
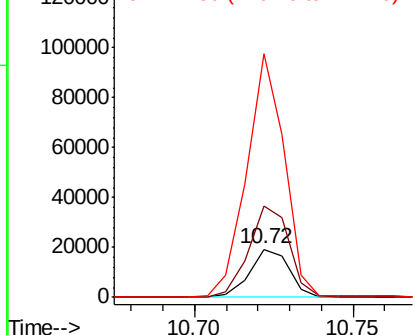
#67
4-Bromophenyl-phenylether
Concen: 2.422 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.25 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:248 Resp: 16676
Ion Ratio Lower Upper
248 100
250 189.8 77.0 115.4#
141 508.2 63.0 94.6#

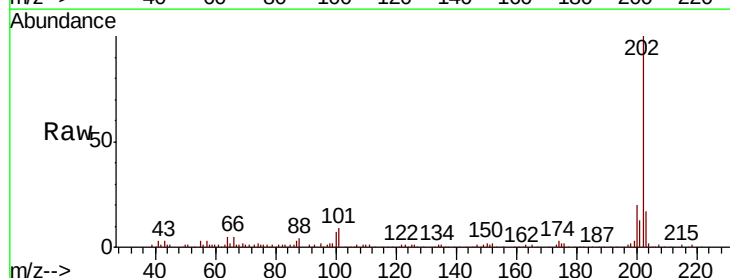


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

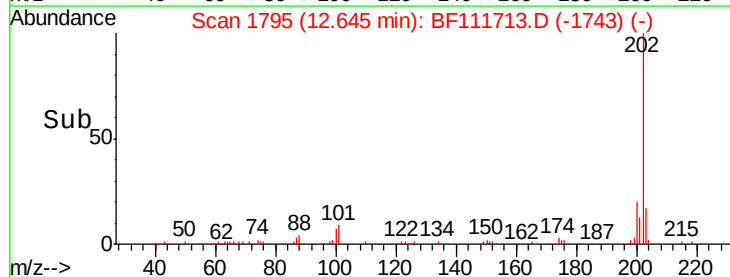
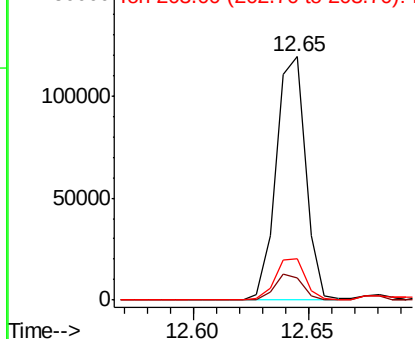


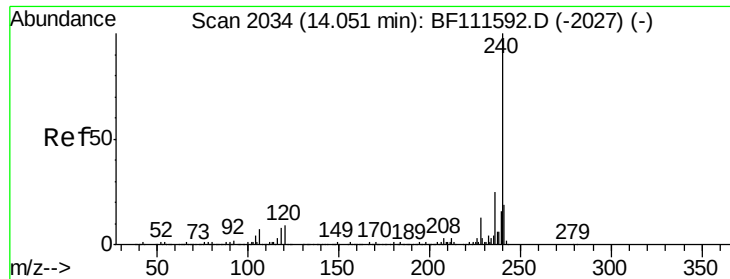
#75
Fluoranthene
Concen: 3.535 ng
RT: 12.65 min Scan# 1795
Delta R.T. 0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion:202 Resp: 105382
Ion Ratio Lower Upper
202 100
101 8.9 0.0 33.8
203 16.9 0.0 38.6



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

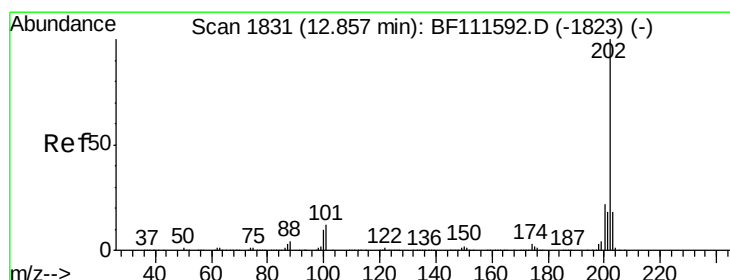
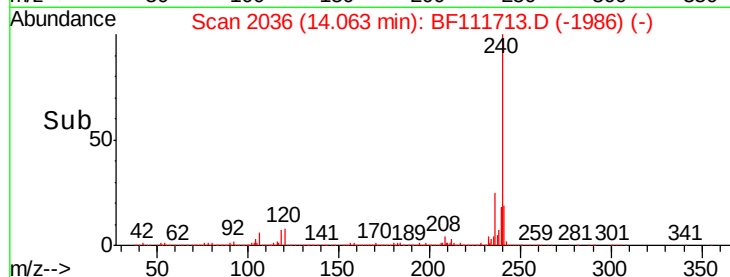
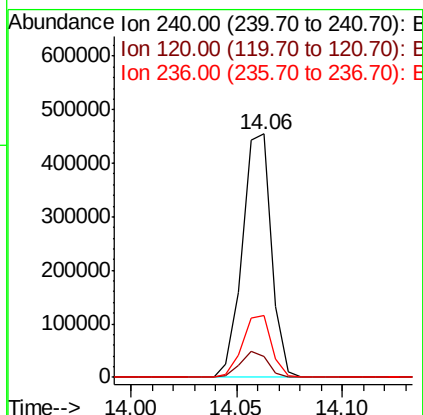
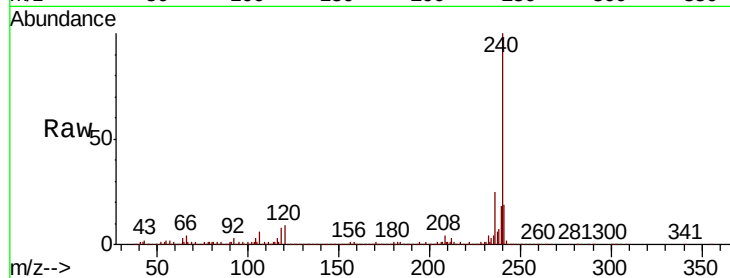




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

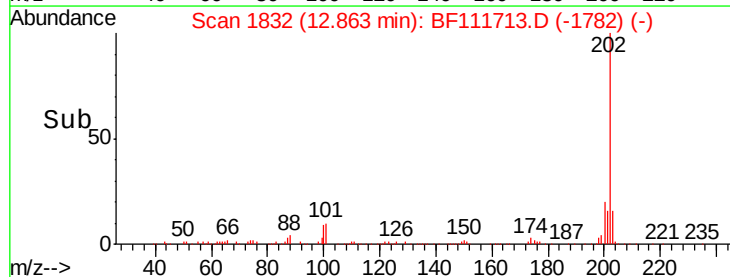
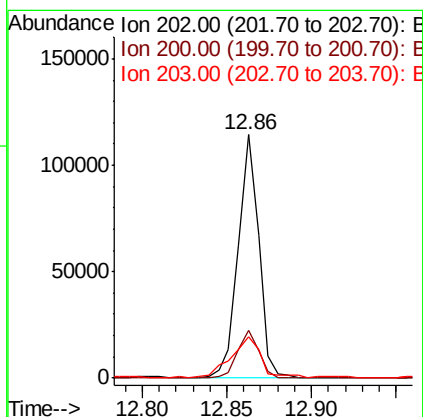
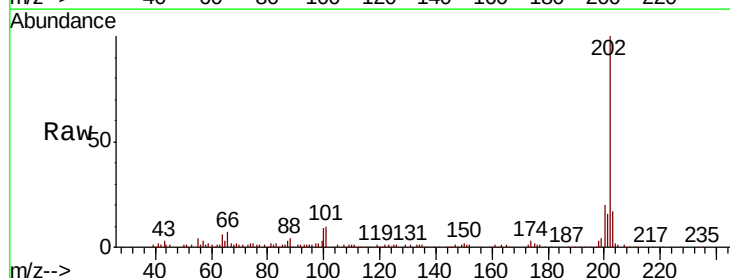
Instrument :
BNA_E
ClientSampleId :

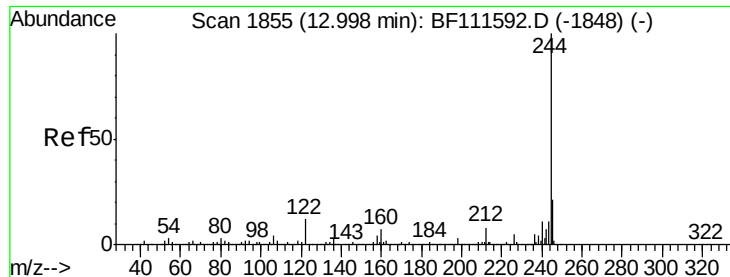
Tot Ion:240 Resp: 433777
Ion Ratio Lower Upper
240 100
120 8.6 12.2 18.2#
236 25.3 20.2 30.2



#78
Pyrene
Concen: 3.190 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion:202 Resp: 97711
Ion Ratio Lower Upper
202 100
200 19.5 19.0 28.4
203 16.7 15.2 22.8





#79

Terphenyl-d14

Concen: 47.228 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

Instrument :

BNA_E

ClientSampleId :

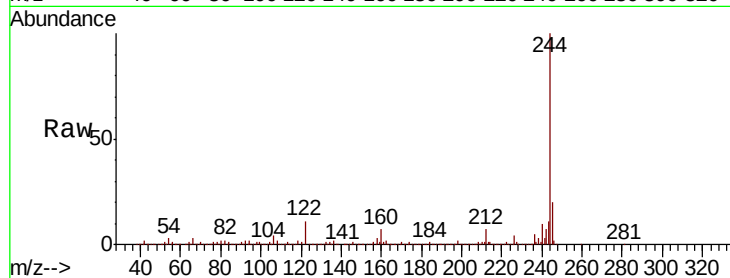
Tot Ion:244 Resp: 1080281

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

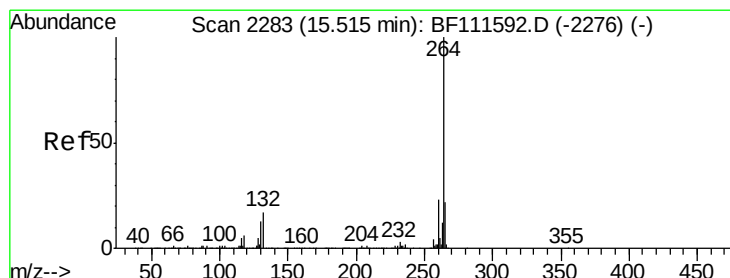
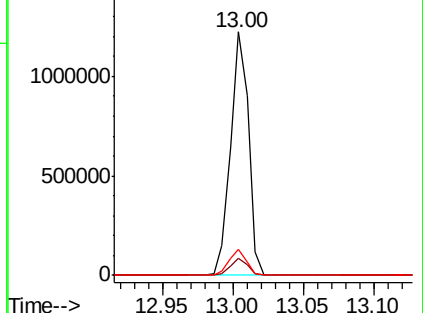
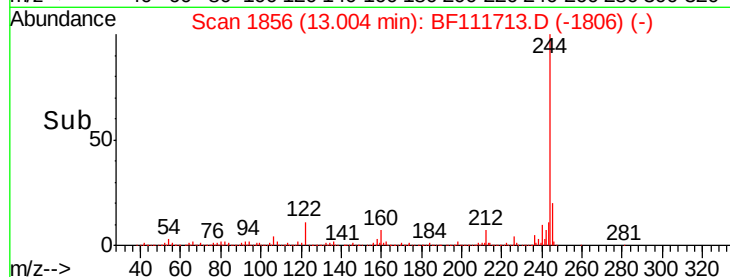
122 10.5 13.1 19.7#



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: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF111713.D

Acq: 26 Dec 2018 13:56

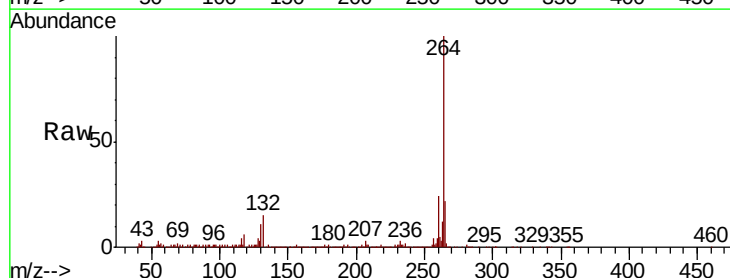
Tgt Ion:264 Resp: 414764

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

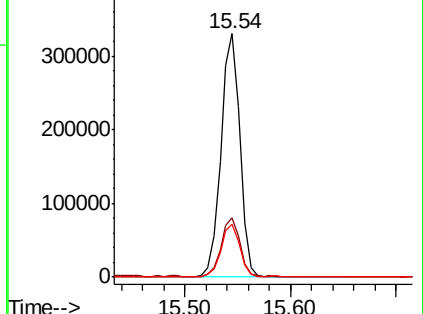
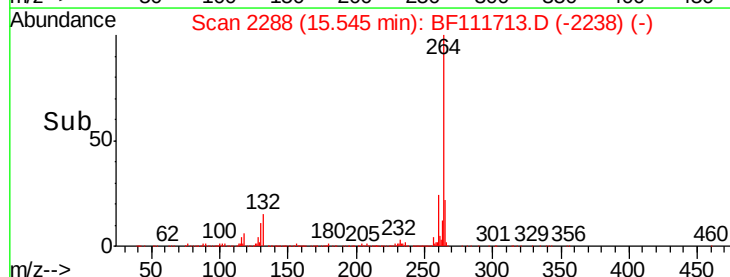
265 21.7 17.7 26.5

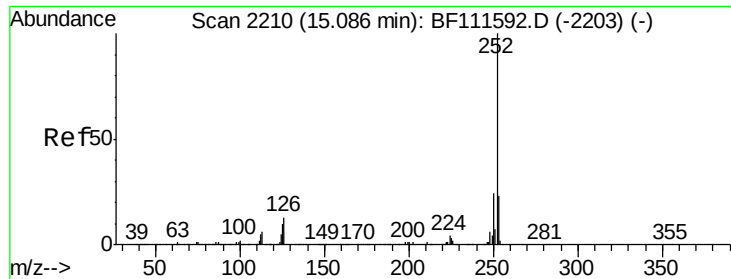


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

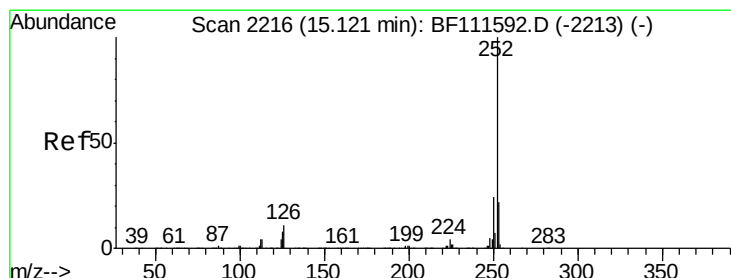
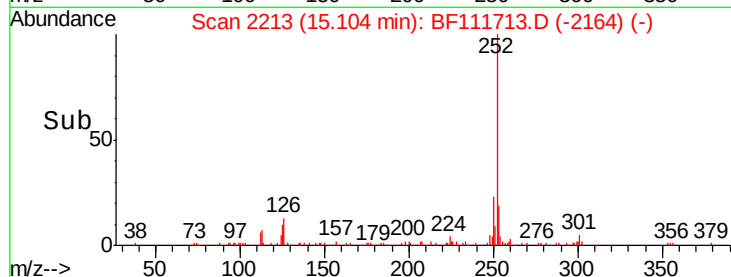
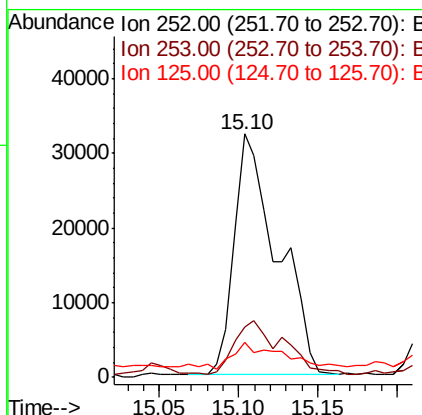
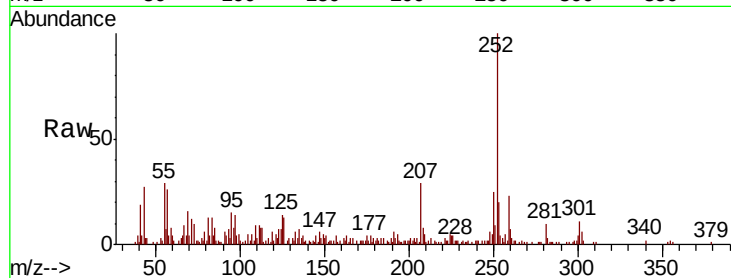




#88
Benzo(b)fluoranthene
Concen: 2.525 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.2	27.2
125	14.5	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 2.652 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.05 min
Lab File: BF111713.D
Acq: 26 Dec 2018 13:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.1	27.1
125	14.5	9.8	14.8

