

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113991.D
 Acq On : 25 Apr 2019 21:21
 Operator : JU/SJ
 Sample : K2545-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:18:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	109693	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	412263	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	223342	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	466578	20.00	ng	0.00
76) Chrysene-d12	14.05	240	438339	20.00	ng	-0.02
87) Perylene-d12	15.54	264	448774	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	381058	59.42	ng	0.04
7) Phenol-d6	6.52	99	303809	37.76	ng	0.00
23) Nitrobenzene-d5	7.46	82	663705	99.40	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	351683	129.26	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1305499	91.42	ng	0.00
79) Terphenyl-d14	13.00	244	1860382	87.01	ng	0.00

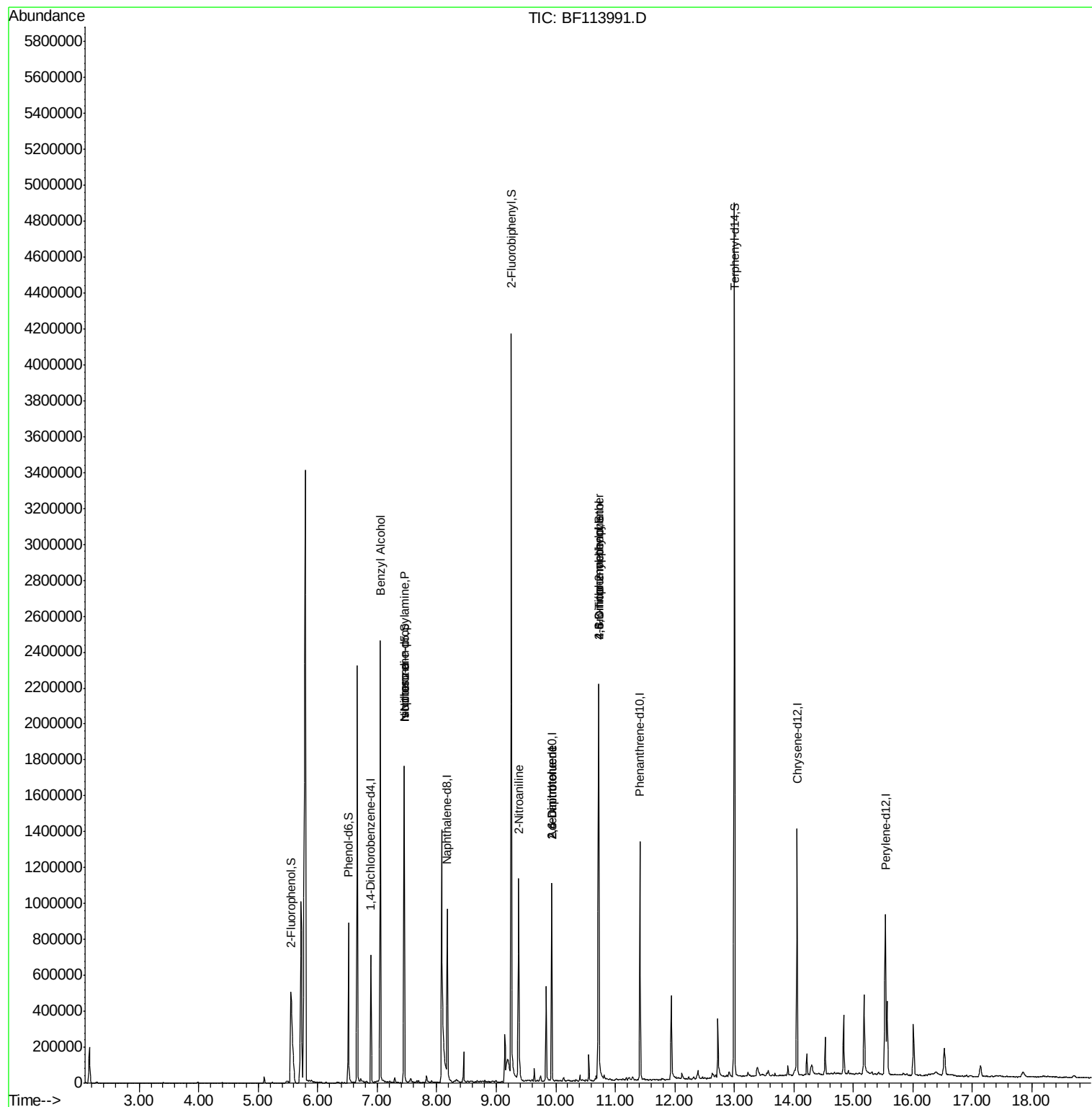
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	14520	Below Cal		82
15) Benzyl Alcohol	7.05	79	12429	2.293	ng	# 47
19) n-Nitroso-di-n-propylamine	7.45	70	88018	16.891	ng	# 79
25) Isophorone	7.46	82	663699	48.579	ng	# 65
48) 2-Nitroaniline	9.37	65	13143	3.613	ng	# 13
51) 2,6-Dinitrotoluene	9.93	165	28246	8.151	ng	# 34
57) 2,4-Dinitrotoluene	9.93	165	28246	6.458	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.72	198	596	7.544	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	21815	3.870	ng	# 1

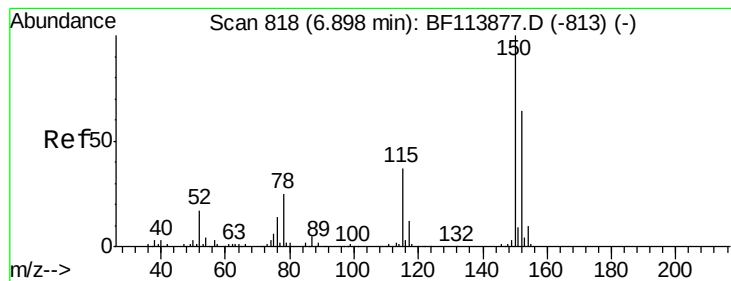
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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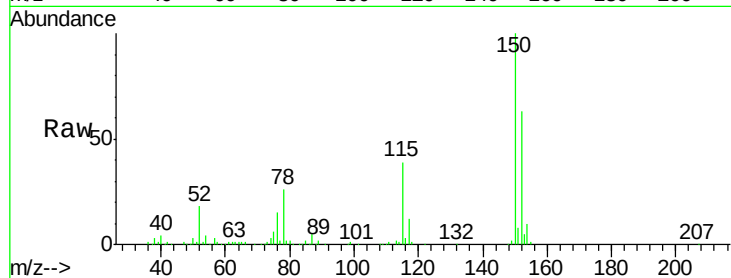




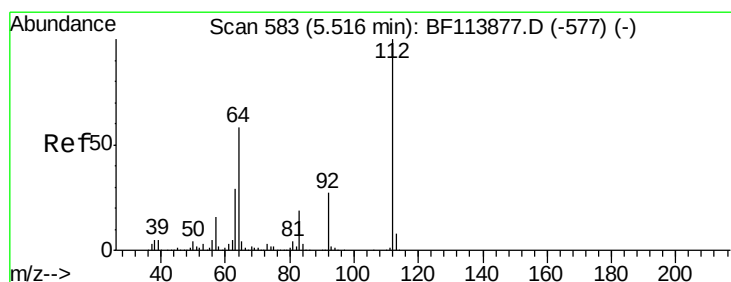
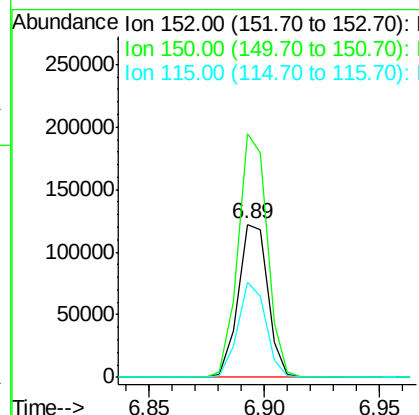
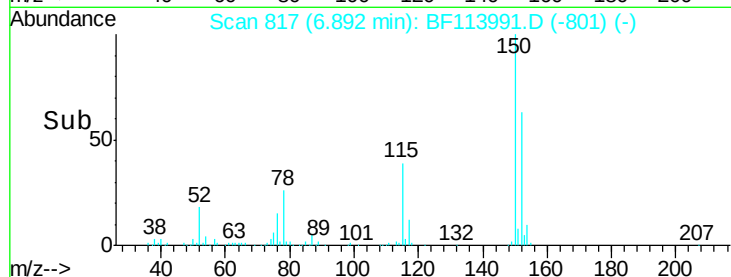
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	152	Resp	109693
Ion Ratio	Lower	Upper	
152	100		
150	159.1	125.9	188.9
115	61.9	45.9	68.9

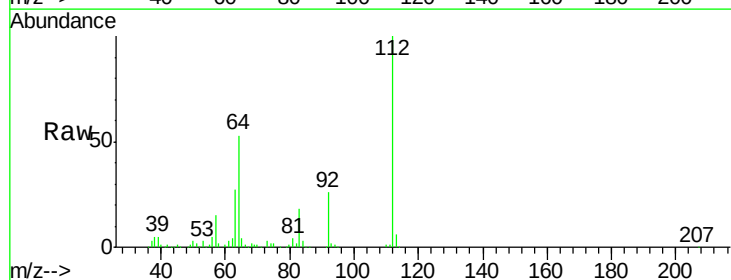


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

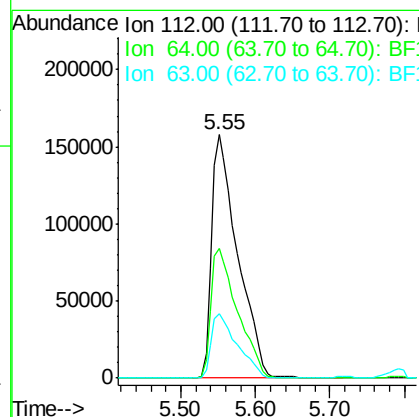
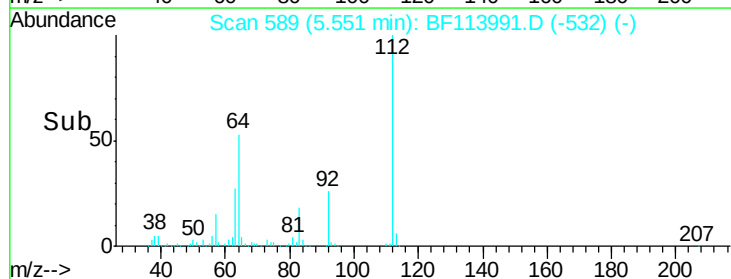


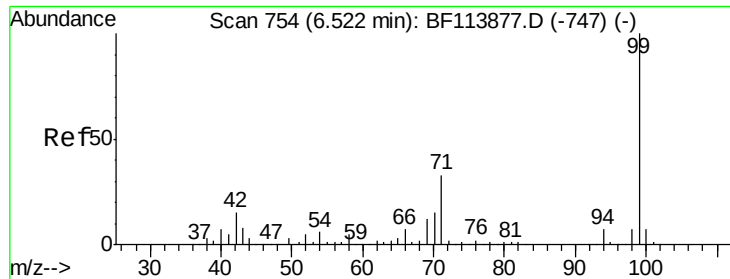
#5
 2-Fluorophenol
 Concen: 59.415 ng
 RT: 5.55 min Scan# 589
 Delta R.T. 0.04 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Tgt Ion	112	Resp	381058
Ion Ratio	Lower	Upper	
112	100		
64	53.3	46.6	69.8
63	26.7	23.1	34.7



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: 37.757 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113991.D

Acq: 25 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

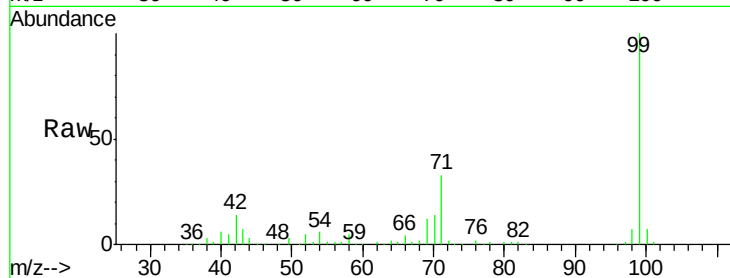
Tot Ion: 99 Resp: 303809

Ion Ratio Lower Upper

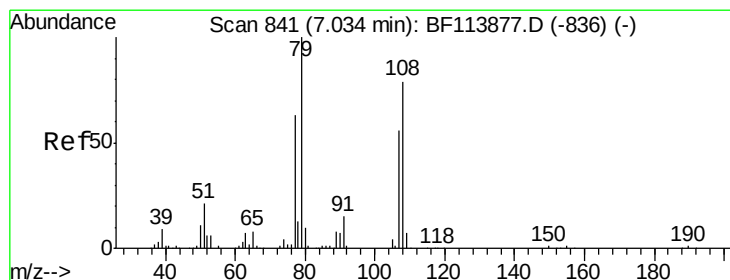
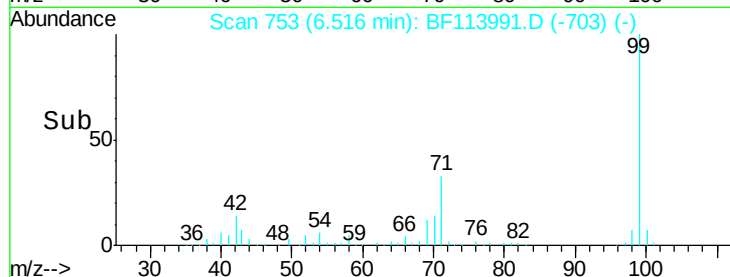
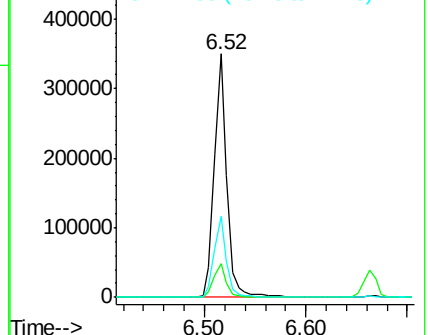
99 100

42 13.9 12.5 18.7

71 33.1 26.9 40.3



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



#15

Benzyl Alcohol

Concen: 2.293 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF113991.D

Acq: 25 Apr 2019 21:21

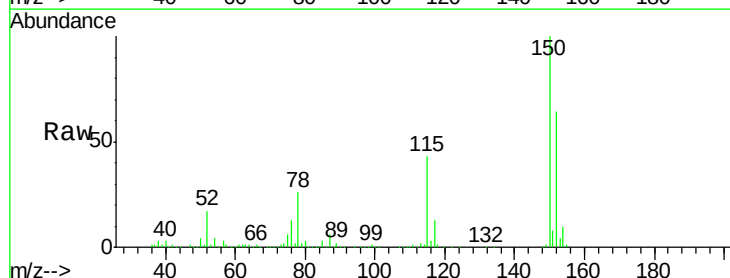
Tgt Ion: 79 Resp: 12429

Ion Ratio Lower Upper

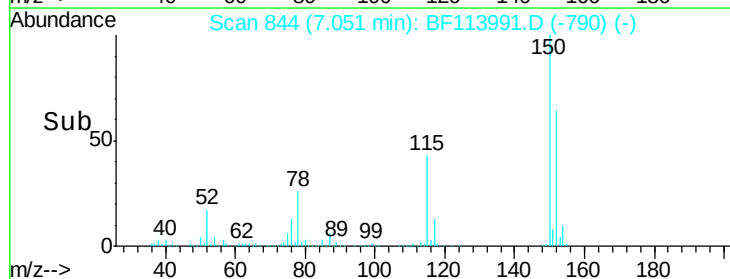
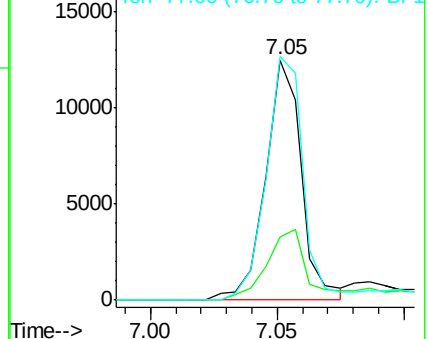
79 100

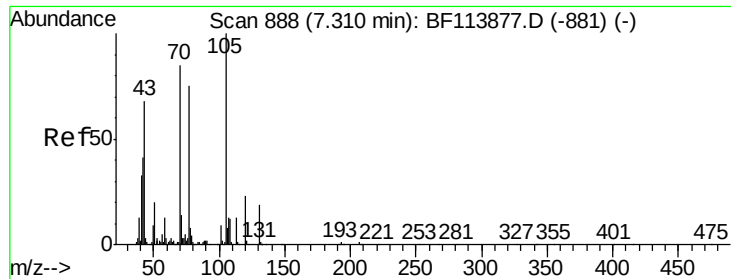
108 26.2 61.4 92.0#

77 101.3 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

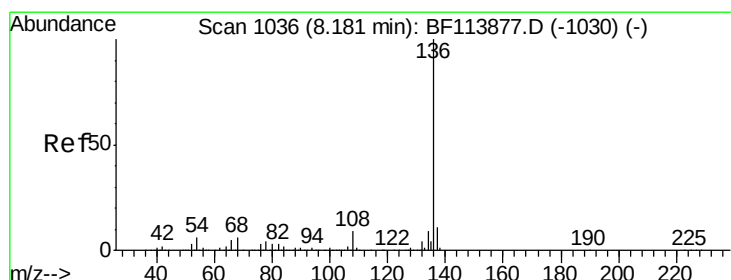
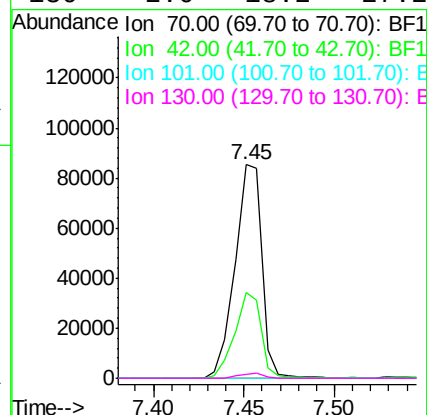
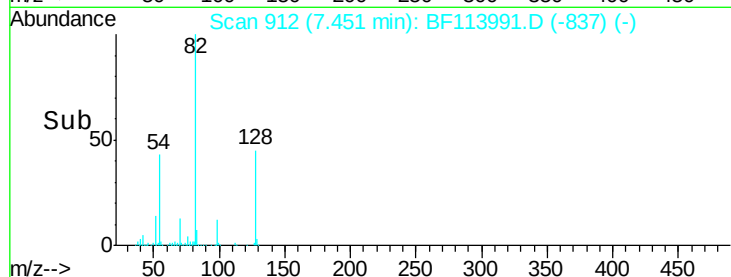
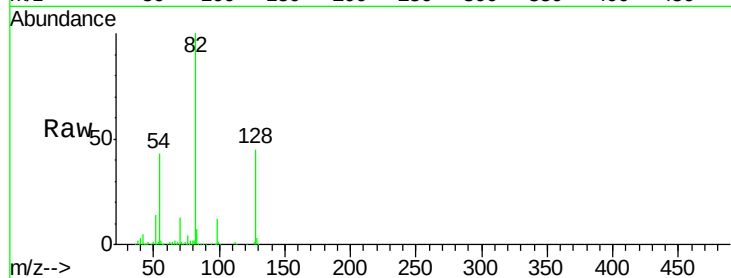




#19
n-Nitroso-di-n-propylamine
Concen: 16.891 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113991.D
Acq: 25 Apr 2019 21:21

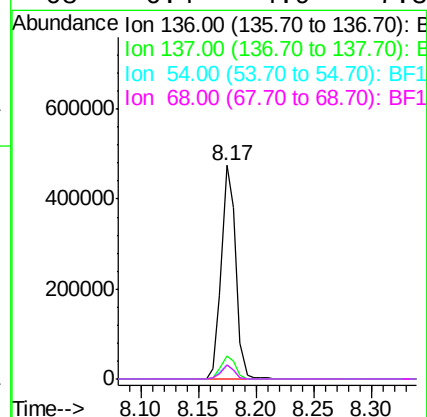
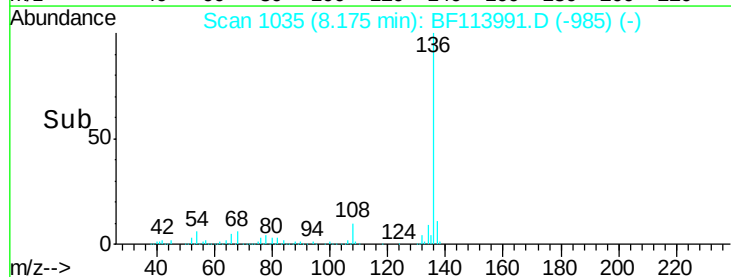
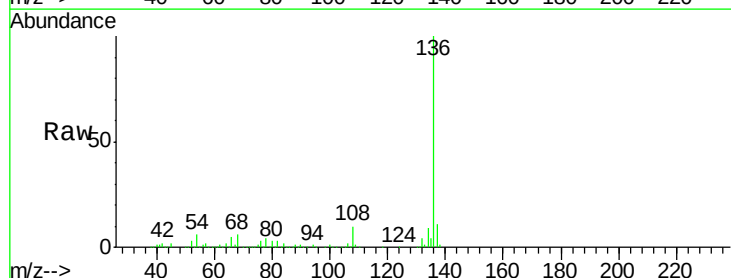
Instrument :
BNA_F
ClientSampleId :

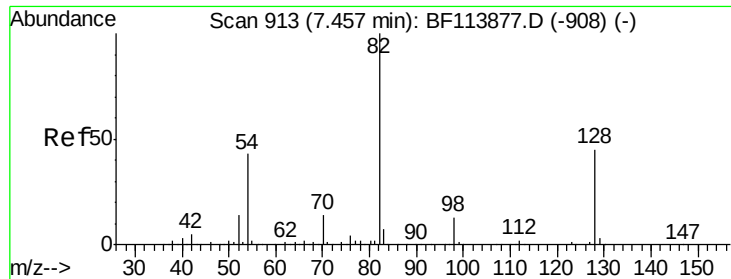
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.3	37.3	55.9
101	0.0	7.8	11.8#
130	2.0	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113991.D
Acq: 25 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.0	7.6
68	6.4	4.9	7.3

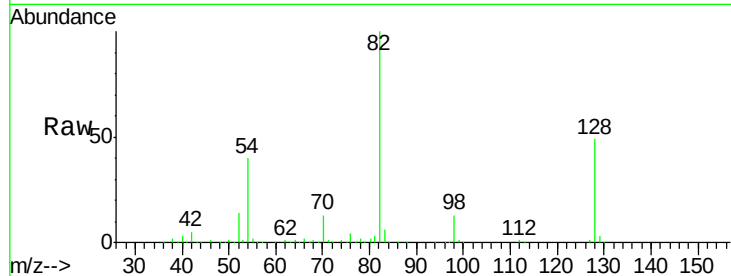




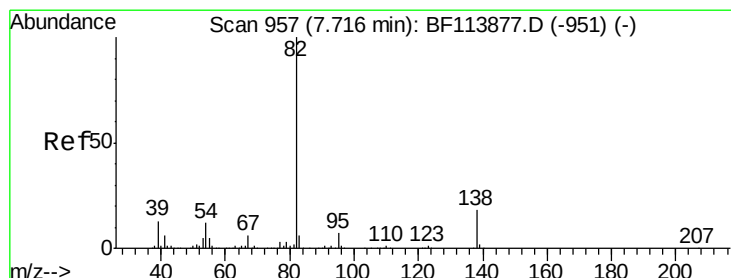
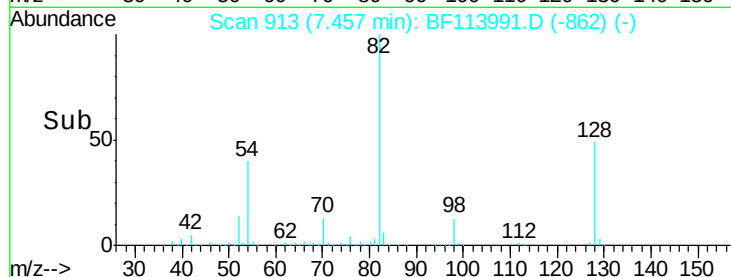
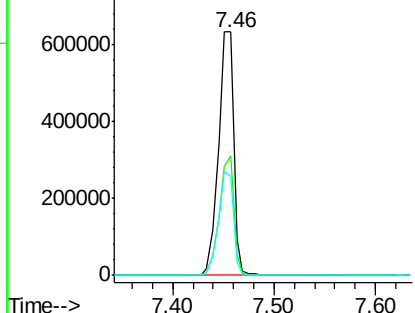
#23
 Nitrobenzene-d5
 Concen: 99.402 ng
 RT: 7.46 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	663705
Ion Ratio	Lower	Upper	
82	100		
128	49.1	36.8	55.2
54	40.4	33.8	50.6

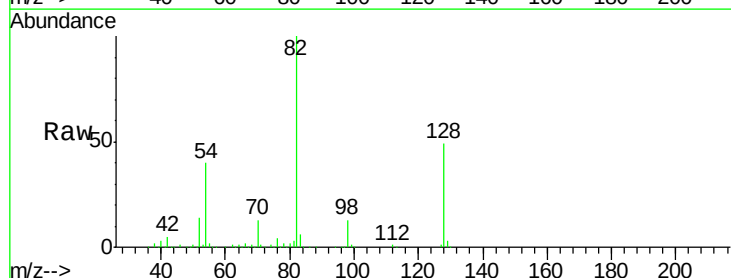


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

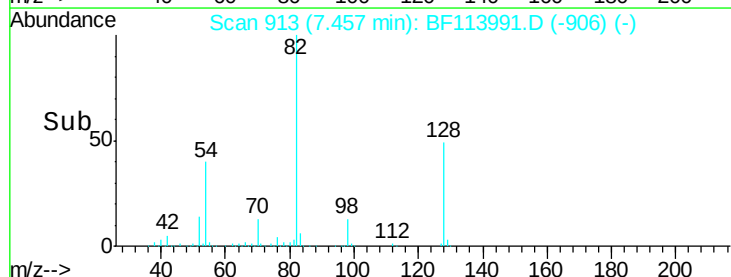
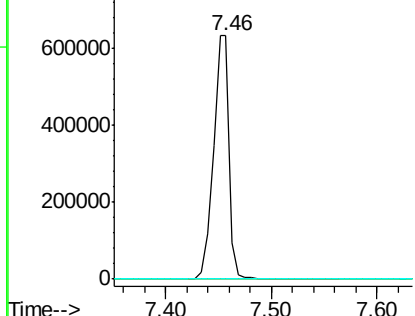


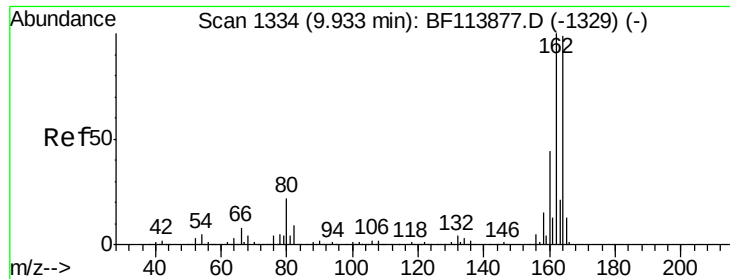
#25
 Isophorone
 Concen: 48.579 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Tgt Ion	82	Resp	663699
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	22.0#



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

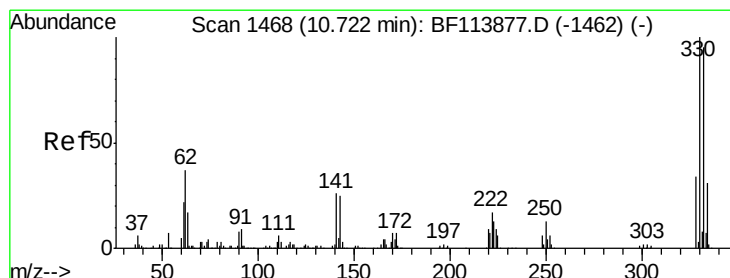
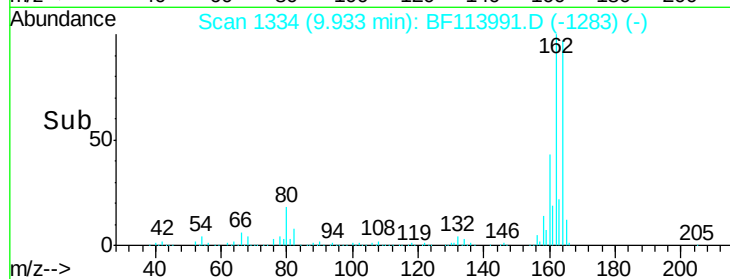
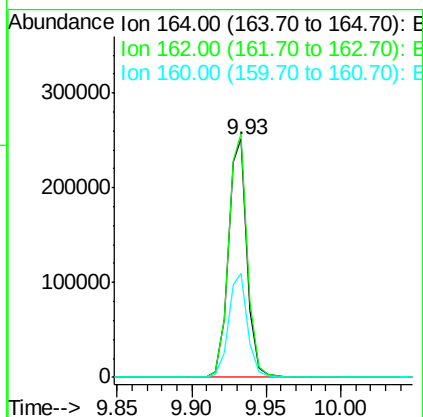
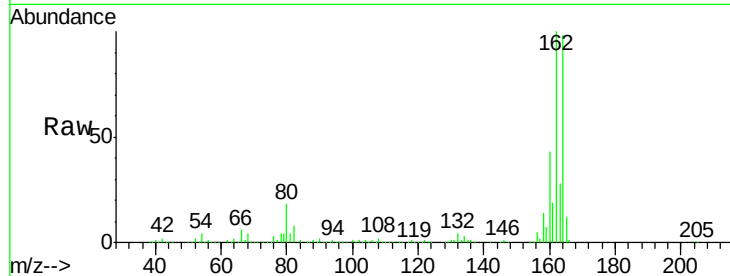




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113991.D
Acq: 25 Apr 2019 21:21

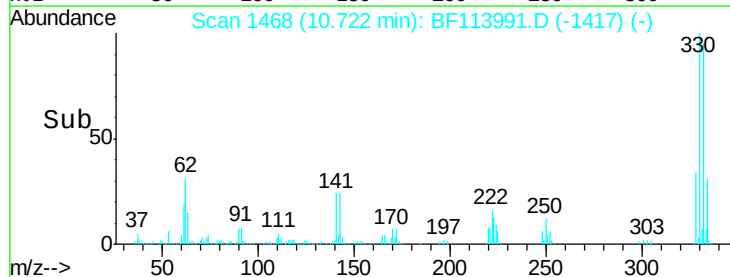
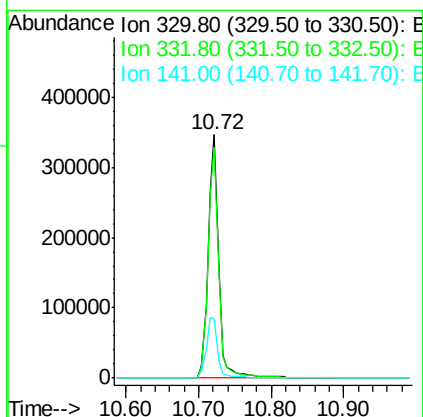
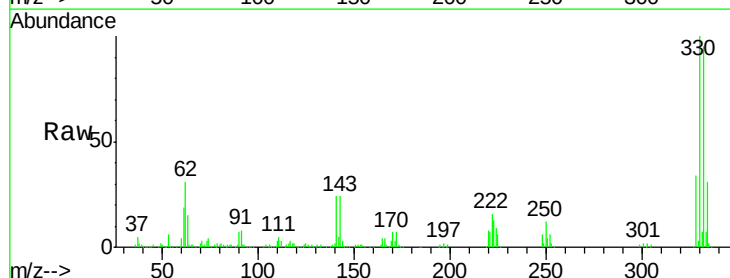
Instrument :
BNA_F
ClientSampleId :

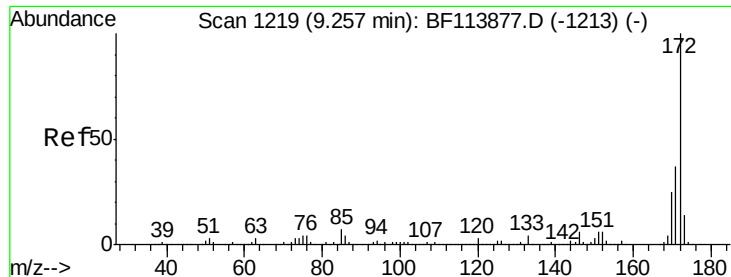
Tot Ion:164 Resp: 223342
Ion Ratio Lower Upper
164 100
162 102.3 81.1 121.7
160 43.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 129.259 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF113991.D
Acq: 25 Apr 2019 21:21

Tgt Ion:330 Resp: 351683
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 27.6 22.2 33.2

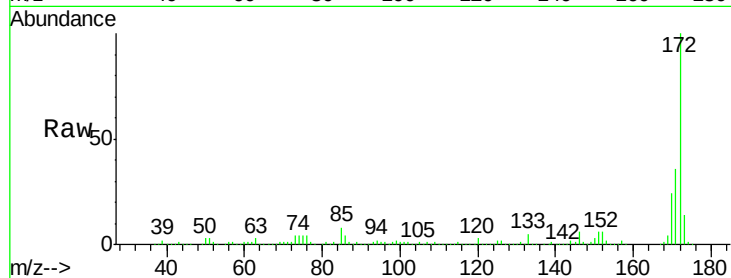




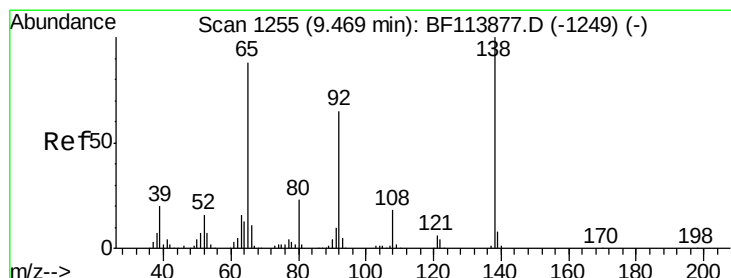
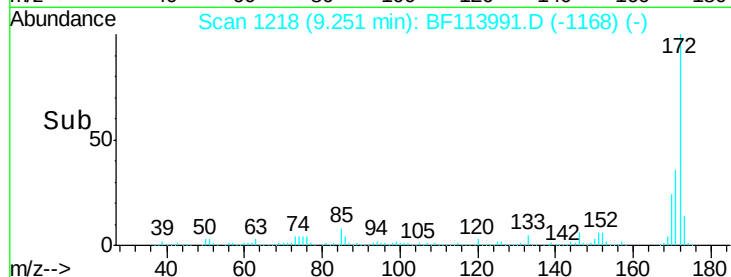
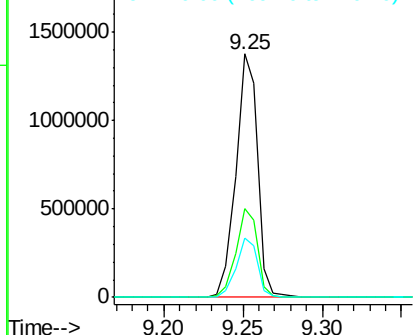
#45
 2-Fluorobiphenyl
 Concen: 91.422 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1305499
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.3 19.9 29.9

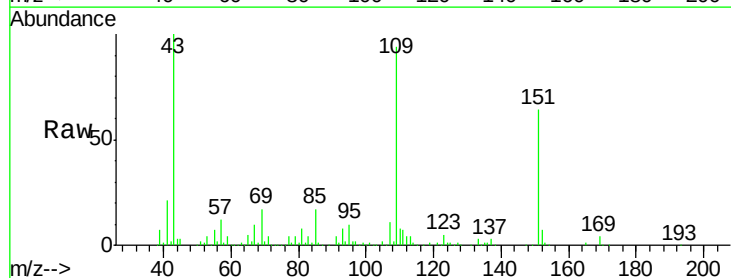


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

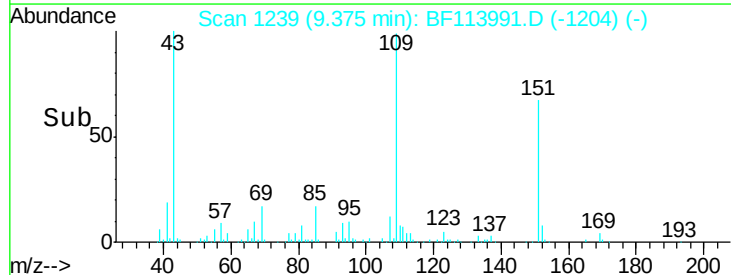
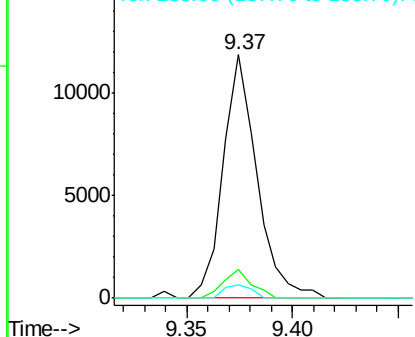


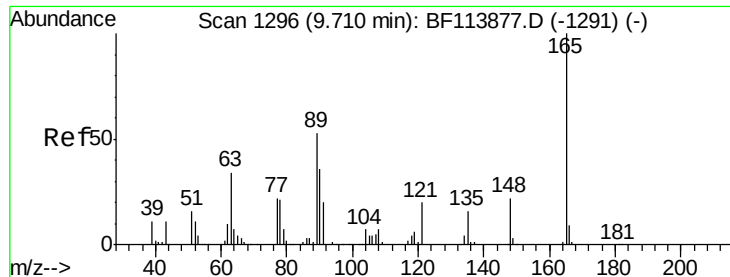
#48
 2-Nitroaniline
 Concen: 3.613 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. -0.09 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Tgt Ion: 65 Resp: 13143
 Ion Ratio Lower Upper
 65 100
 92 11.9 57.4 86.0#
 138 5.4 85.4 128.0#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

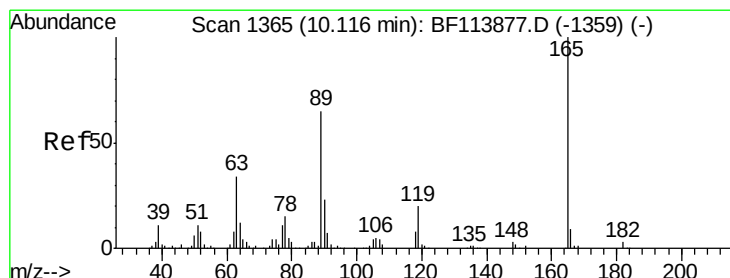
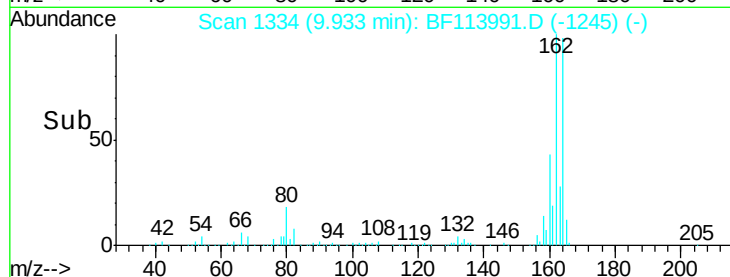
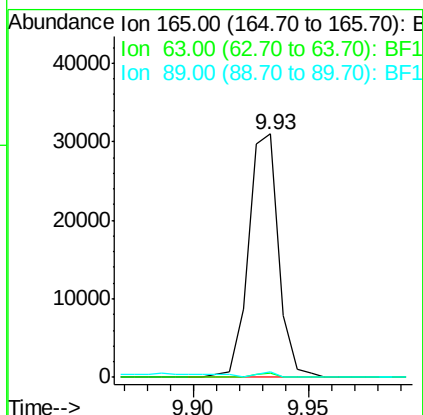
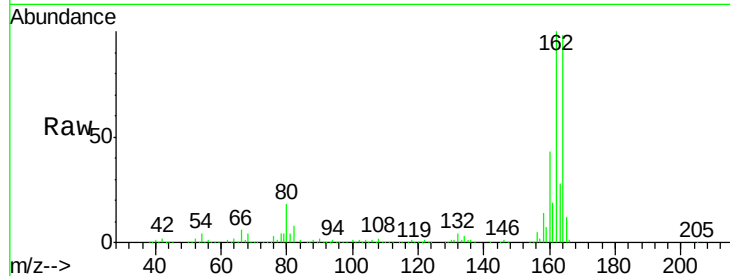




#51
 2,6-Dinitrotoluene
 Concen: 8.151 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

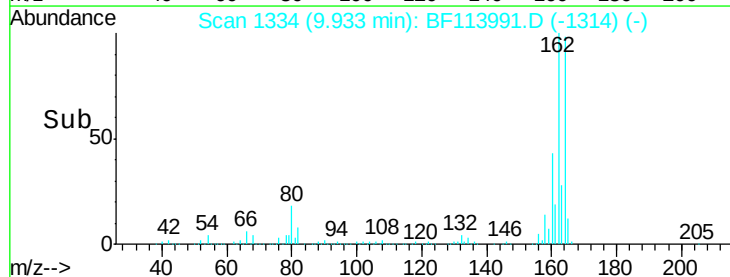
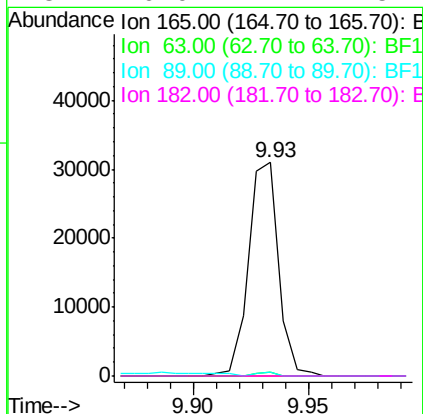
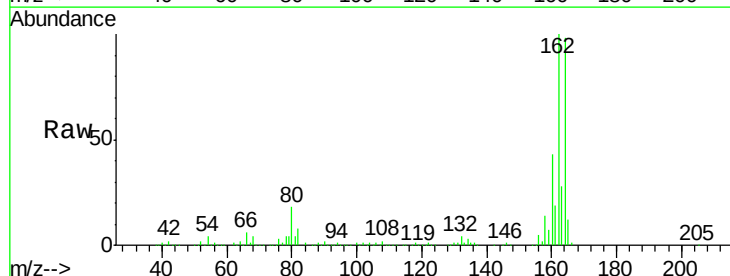
Instrument :
 BNA_F
 ClientSampleId :

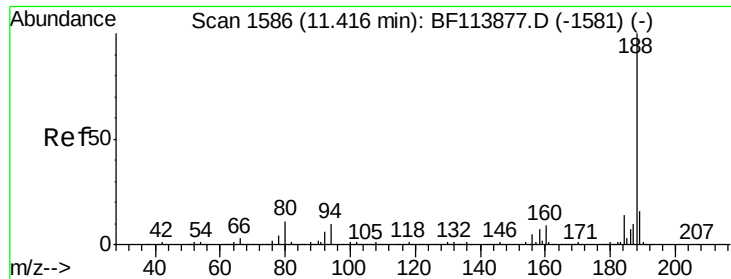
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.8	50.8#
89	2.0	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.458 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	27.4	41.0#
89	2.0	51.8	77.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113991.D

Acq: 25 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

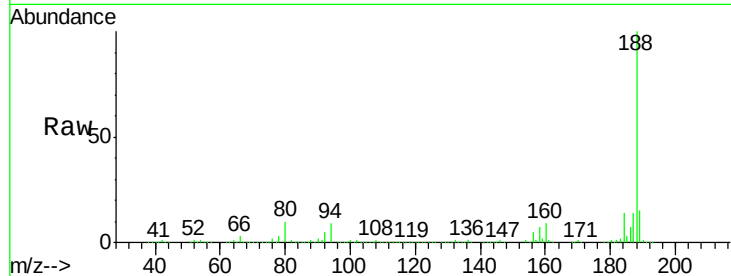
Tot Ion:188 Resp: 466578

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

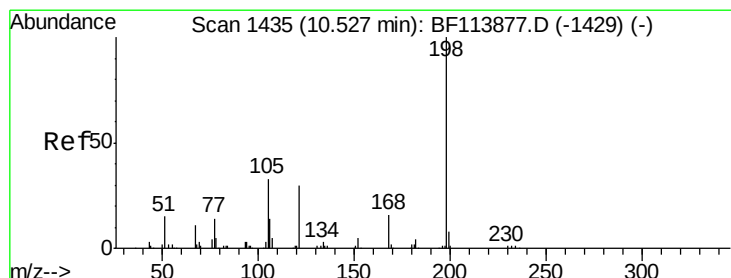
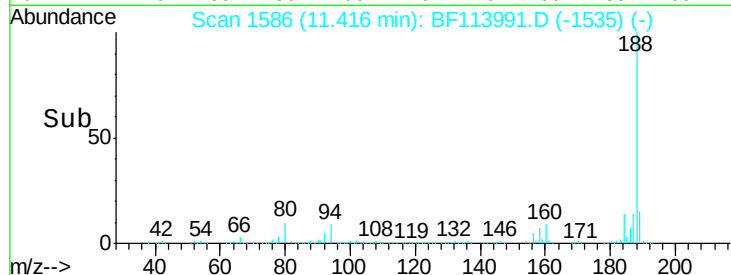
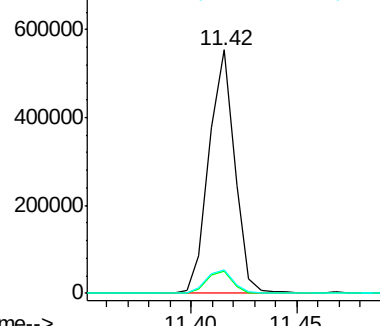
80 9.6 9.0 13.6



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: 7.544 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113991.D

Acq: 25 Apr 2019 21:21

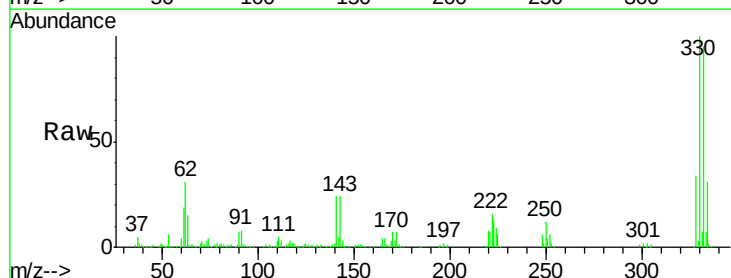
Tgt Ion:198 Resp: 596

Ion Ratio Lower Upper

198 100

51 143.1 11.1 51.1#

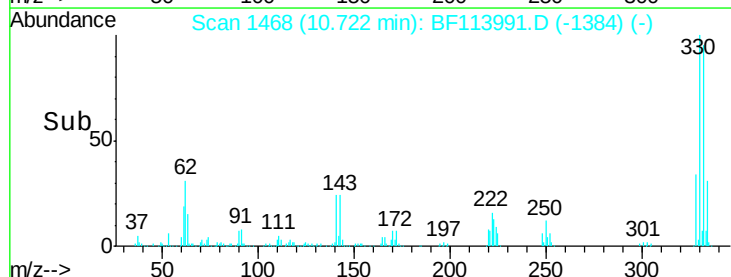
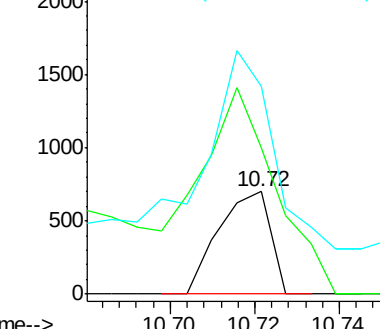
105 202.6 20.7 60.7#

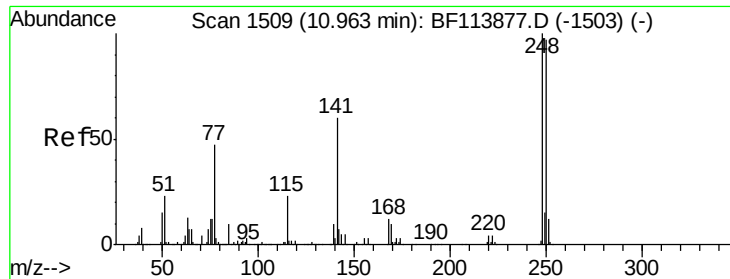


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

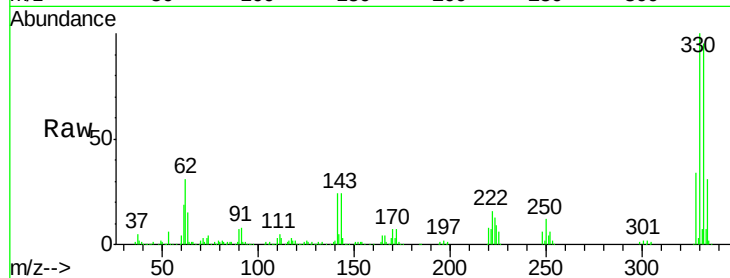




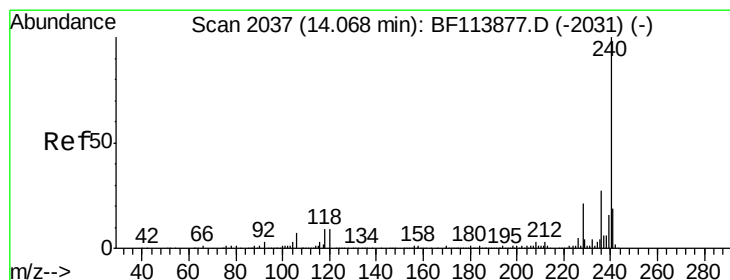
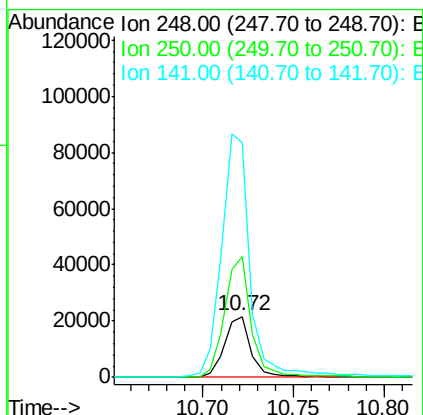
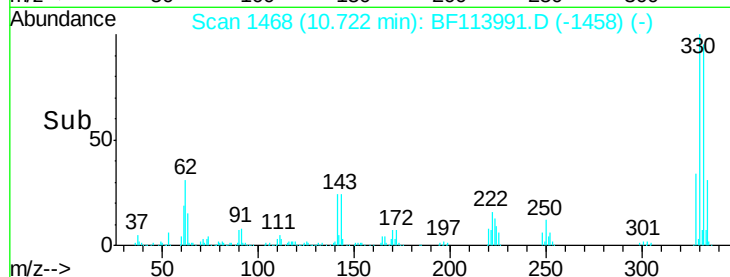
#67
 4-Bromophenyl-phenylether
 Concen: 3.870 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.4	75.8	113.6#
141	384.2	50.2	75.4#

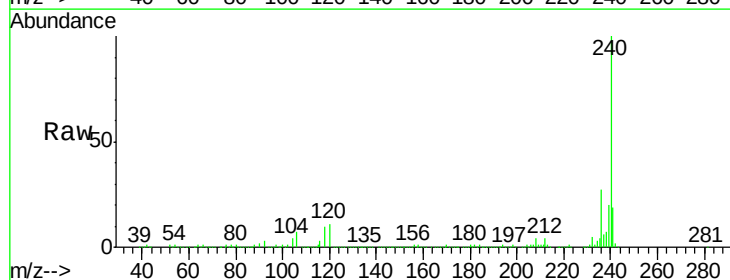


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

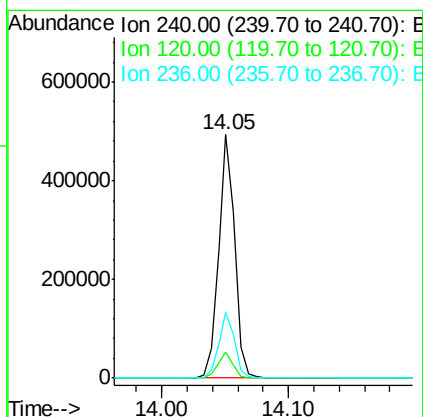
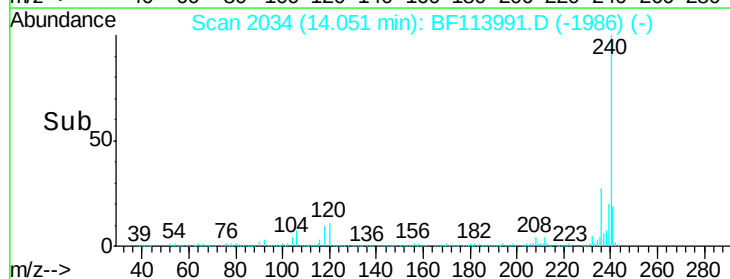


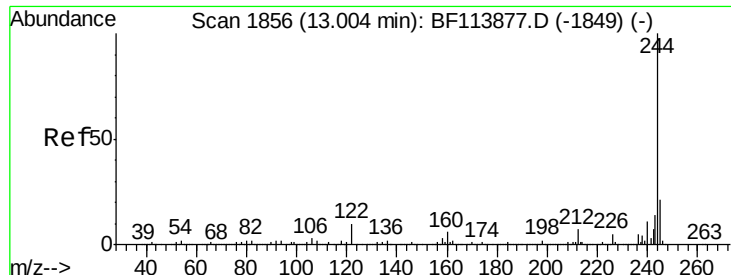
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113991.D
 Acq: 25 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.3	13.9
236	26.8	21.2	31.8



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: 87.011 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113991.D

Acq: 25 Apr 2019 21:21

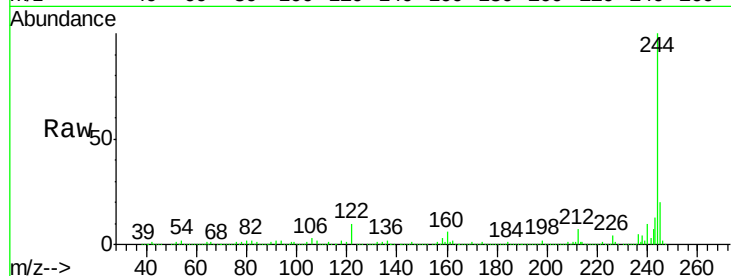
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1860382

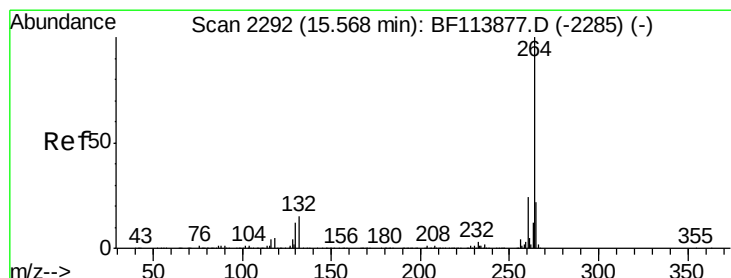
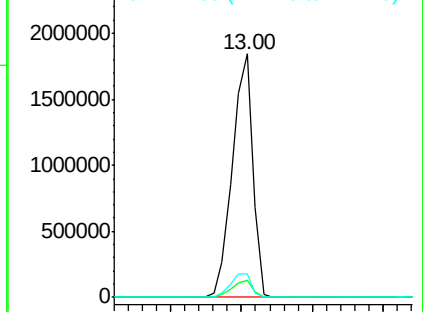
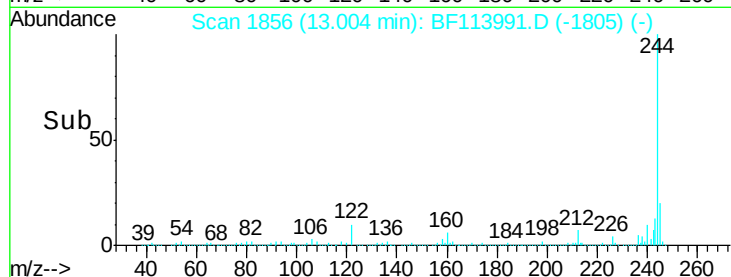
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	9.8	7.6	11.4



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# 2287

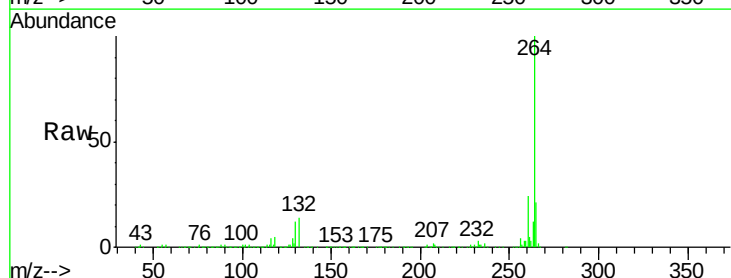
Delta R.T. -0.03 min

Lab File: BF113991.D

Acq: 25 Apr 2019 21:21

Tgt Ion:264 Resp: 448774

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.2	17.3	25.9



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

