

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113945.D
 Acq On : 24 Apr 2019 3:13
 Operator : JU/SJ
 Sample : K2518-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:19:57 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	6.90	152	131503	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	468286	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	213932	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	372279	20.00	ng	0.00
76) Chrysene-d12	14.05	240	362155	20.00	ng	-0.02
87) Perylene-d12	15.53	264	316031	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	775347	100.84	ng	0.02
7) Phenol-d6	6.53	99	872920	90.49	ng	0.00
23) Nitrobenzene-d5	7.46	82	700268	92.33	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	307334	117.93	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1299854	95.03	ng	0.00
79) Terphenyl-d14	13.00	244	1468246	83.12	ng	0.00

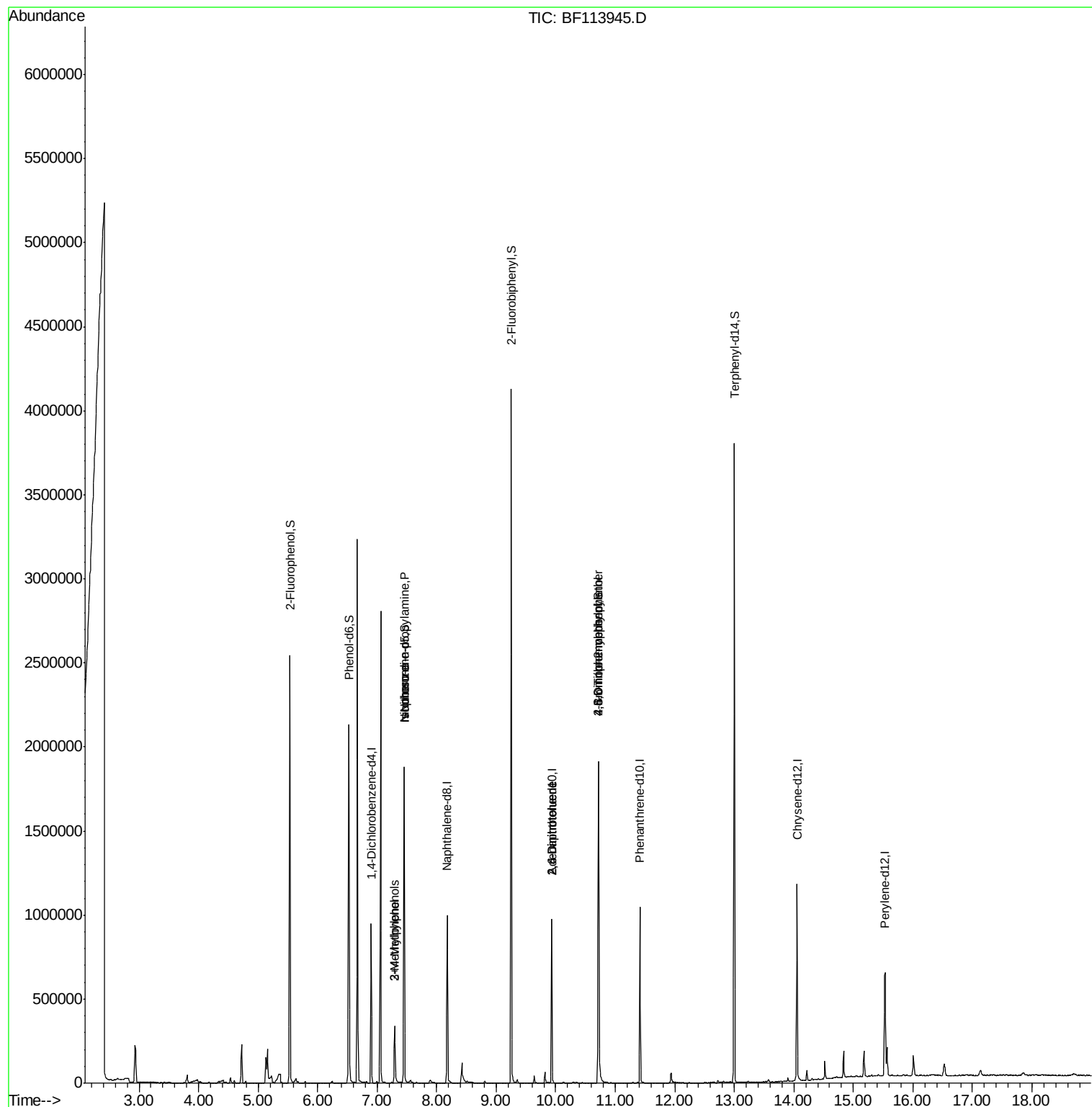
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	1119	Below Cal		# 3
17) 2-Methylphenol	7.29	107	117383	15.255	ng	# 69
19) n-Nitroso-di-n-propylamine	7.45	70	91882	14.709	ng	# 79
20) 3+4-Methylphenols	7.29	107	117953	13.568	ng	# 73
25) Isophorone	7.46	82	700255	45.123	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	26982	8.129	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	26982	6.440	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	376	7.495	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	18859	4.193	ng	# 1

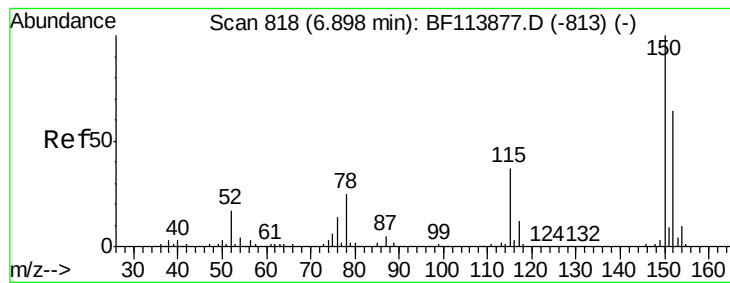
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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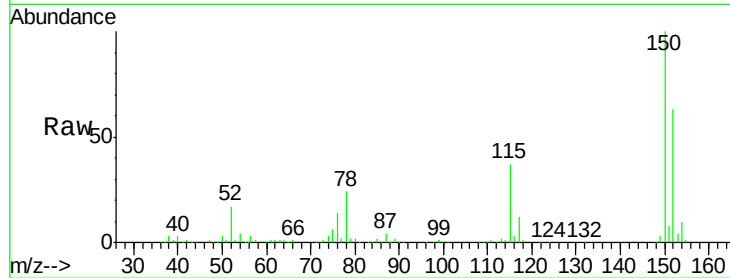


#1

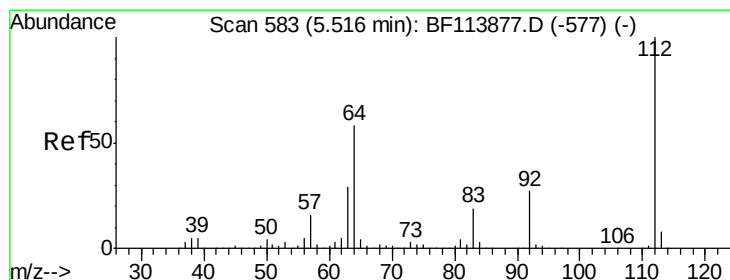
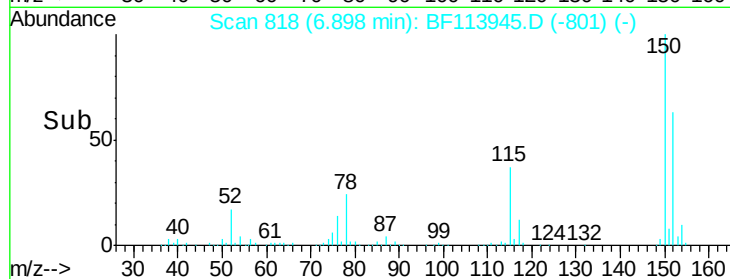
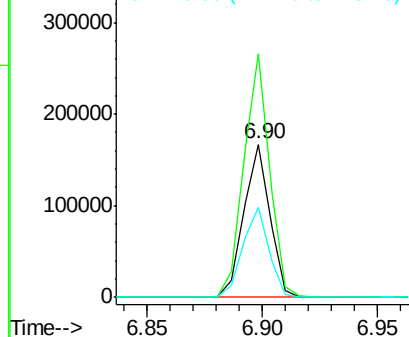
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131503
Ion Ratio Lower Upper
152 100
150 159.2 125.9 188.9
115 59.1 45.9 68.9



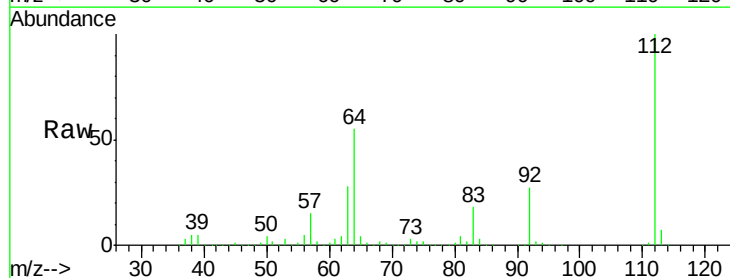
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



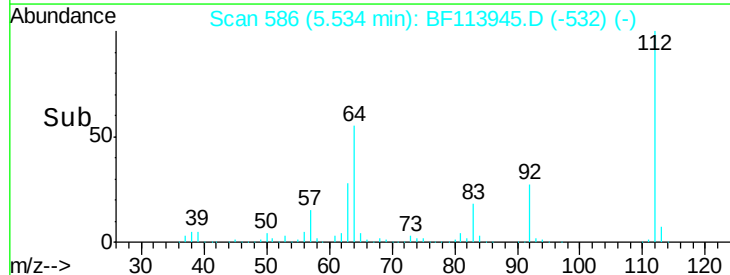
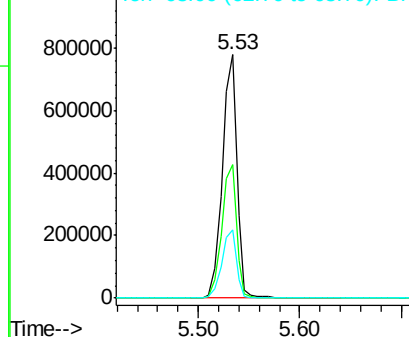
#5

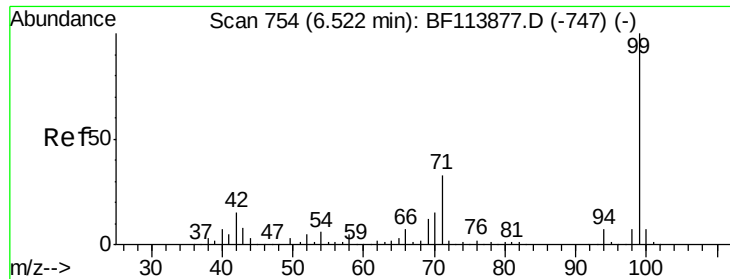
2-Fluorophenol
Concen: 100.843 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Tgt Ion:112 Resp: 775347
Ion Ratio Lower Upper
112 100
64 54.8 46.6 69.8
63 27.8 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: 90.493 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113945.D

Acq: 24 Apr 2019 3:13

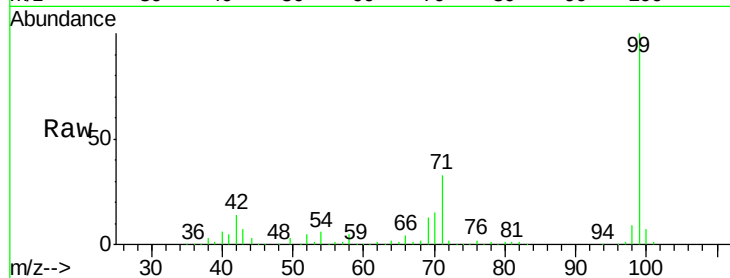
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 872920

Ion	Ratio	Lower	Upper
99	100		
42	14.1	12.5	18.7
71	32.8	26.9	40.3

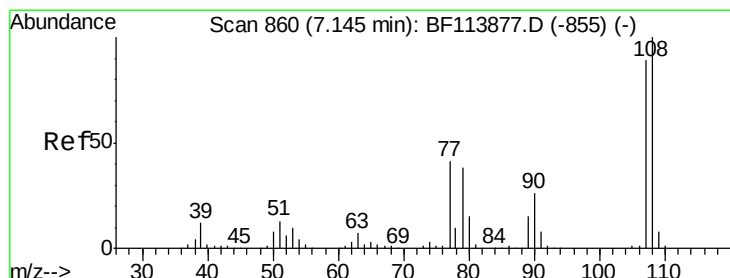
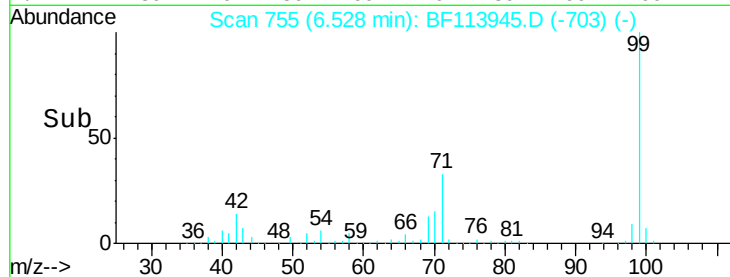


Abundance

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



#17

2-Methylphenol

Concen: 15.255 ng

RT: 7.29 min Scan# 885

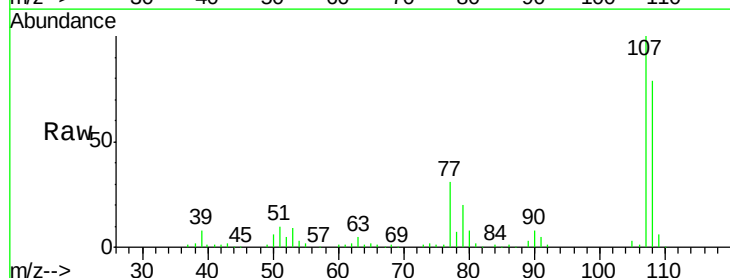
Delta R.T. 0.15 min

Lab File: BF113945.D

Acq: 24 Apr 2019 3:13

Tgt Ion: 107 Resp: 117383

Ion	Ratio	Lower	Upper
107	100		
108	79.5	91.5	137.3#
77	31.4	36.2	54.4#
79	20.1	35.4	53.0#



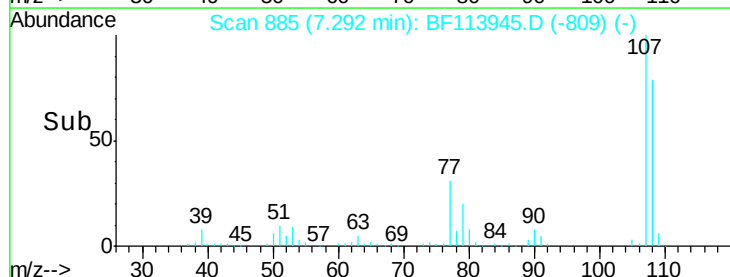
Abundance

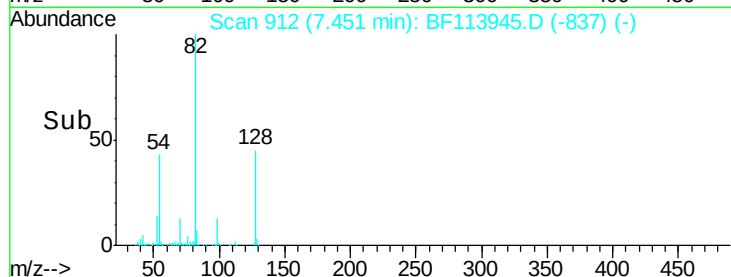
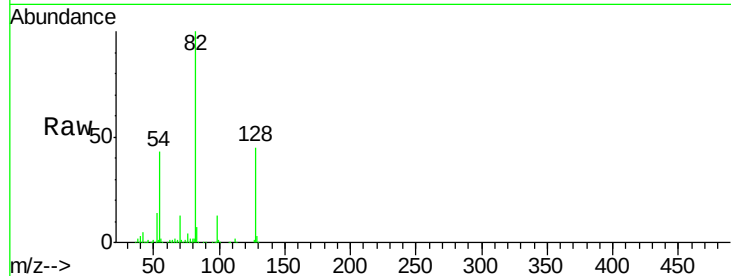
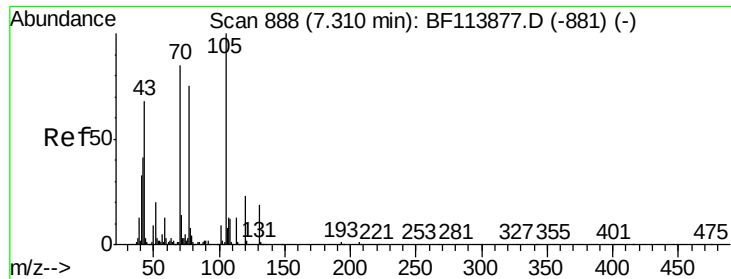
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

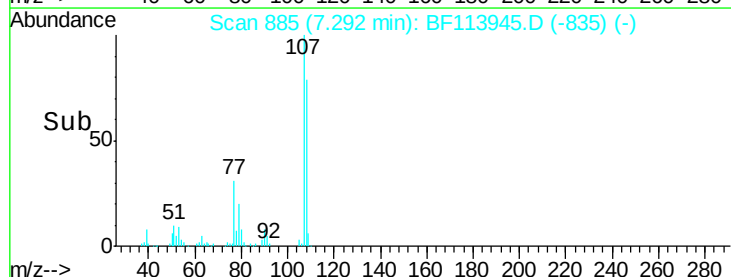
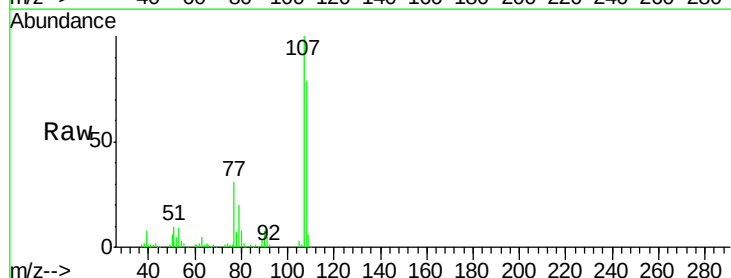
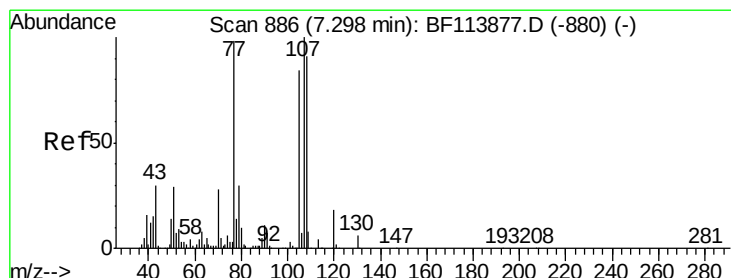
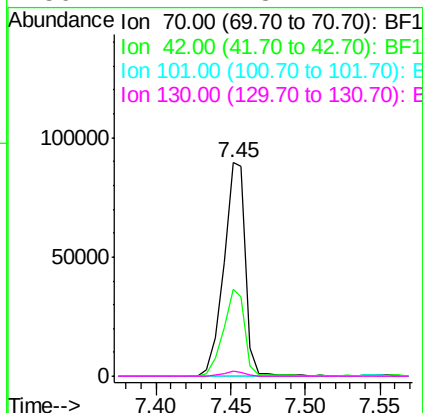




#19
n-Nitroso-di-n-propylamine
Concen: 14.709 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

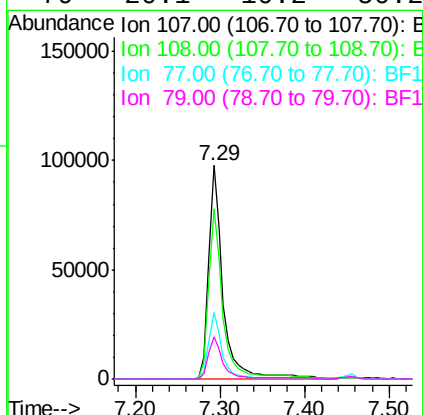
Instrument :
BNA_F
ClientSampleId :

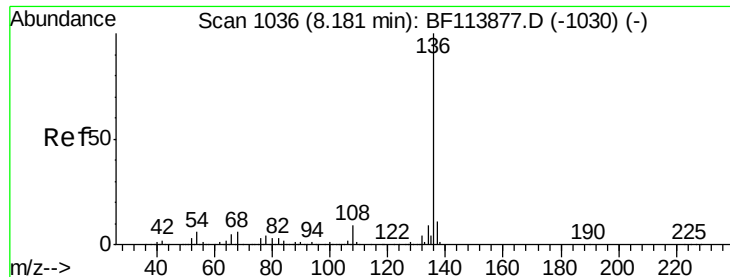
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.9	37.3	55.9
101	0.0	7.8	11.8#
130	2.1	18.2	27.2#



#20
3+4-Methylphenols
Concen: 13.568 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.5	70.1	110.1
77	31.4	52.9	92.9#
79	20.1	10.2	50.2

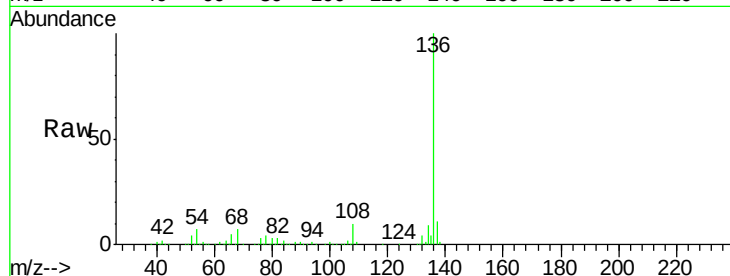




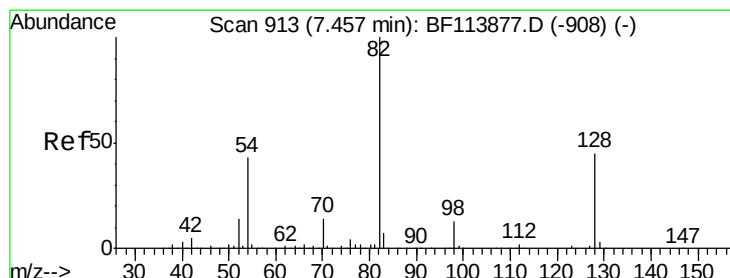
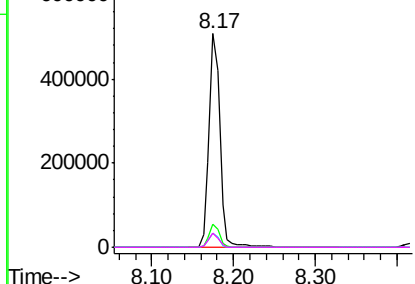
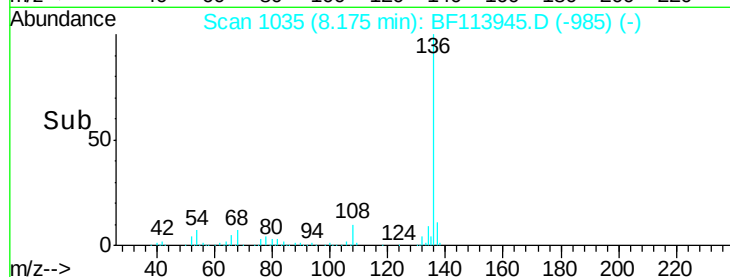
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	468286
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 12.8
54	6.5	5.0 7.6
68	6.5	4.9 7.3

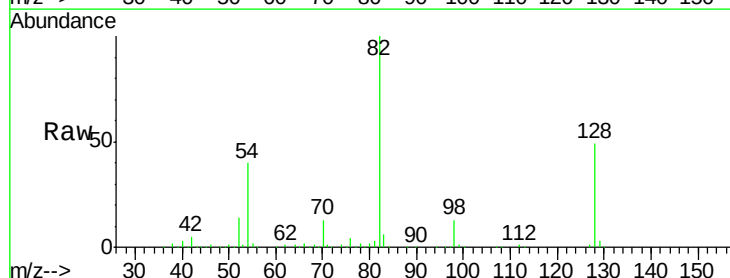


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

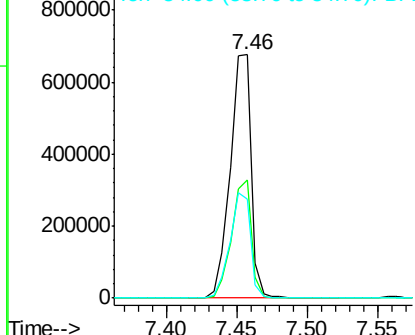
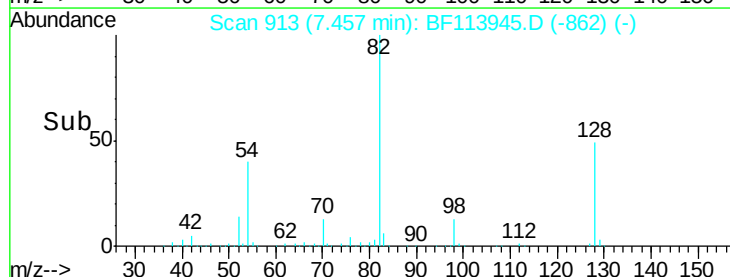


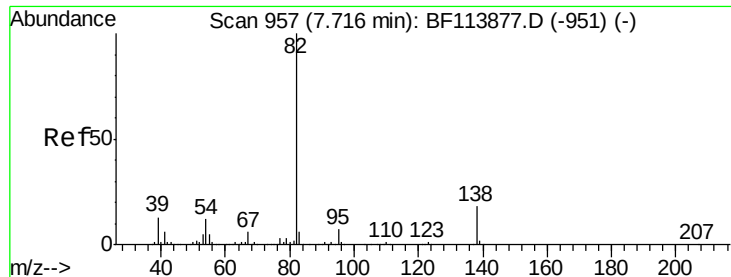
#23
Nitrobenzene-d5
Concen: 92.331 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Tgt Ion: 82	Resp:	700268
Ion Ratio	Lower	Upper
82	100	
128	48.6	36.8 55.2
54	40.5	33.8 50.6



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: 45.123 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113945.D

Acq: 24 Apr 2019 3:13

Instrument :

BNA_F

ClientSampled :

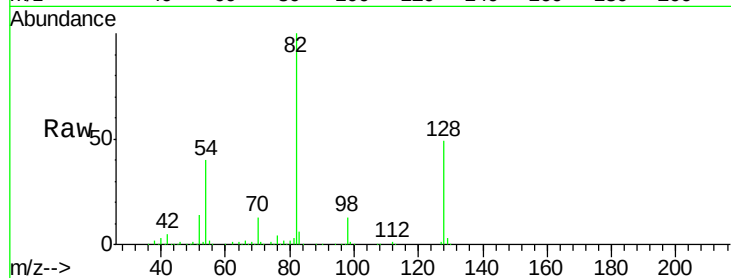
Tot Ion: 82 Resp: 700255

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

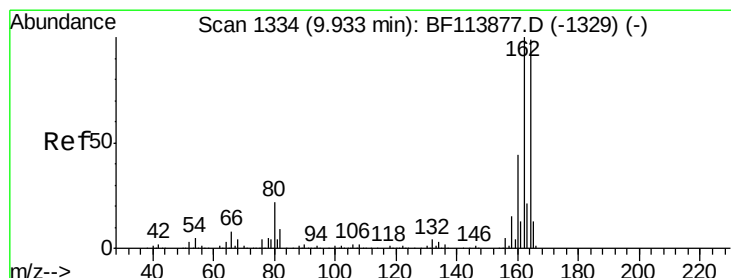
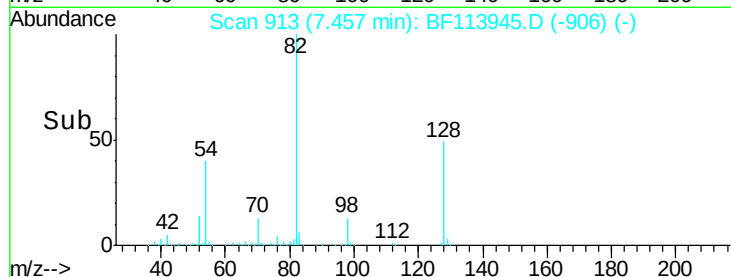
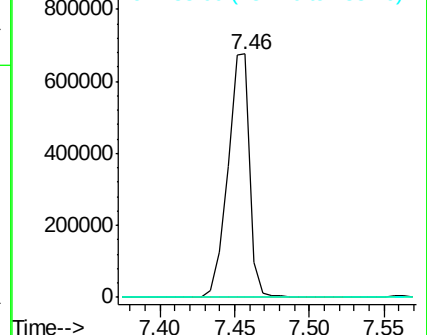
138 0.0 14.6 22.0#



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# 1333

Delta R.T. -0.01 min

Lab File: BF113945.D

Acq: 24 Apr 2019 3:13

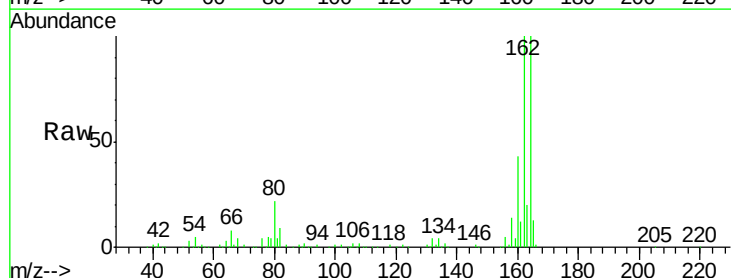
Tgt Ion:164 Resp: 213932

Ion Ratio Lower Upper

164 100

162 99.7 81.1 121.7

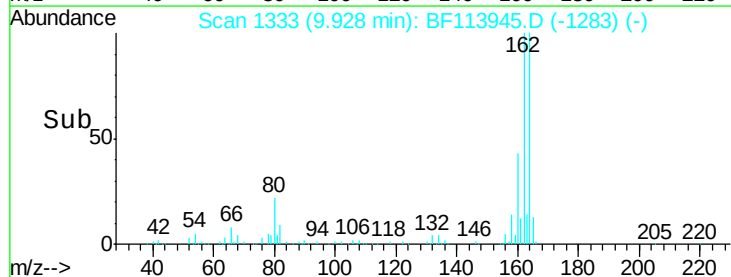
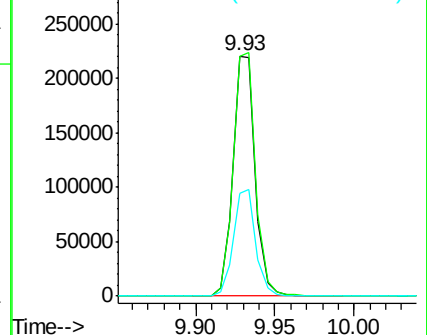
160 42.5 35.8 53.6

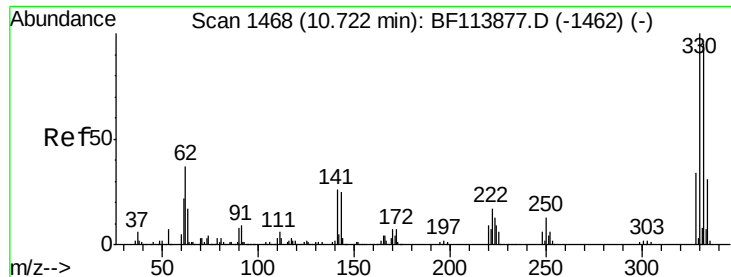


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

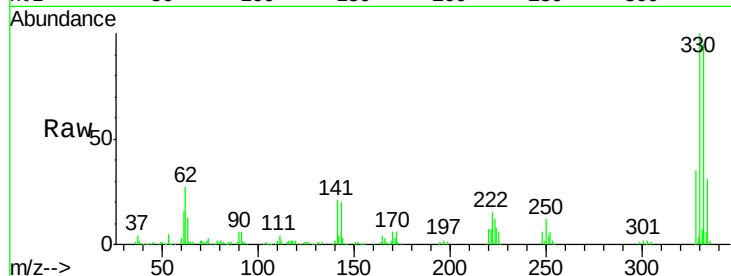




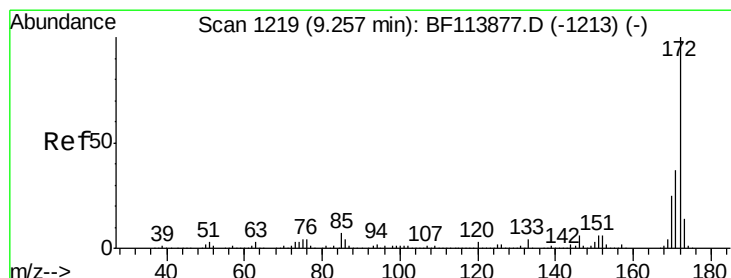
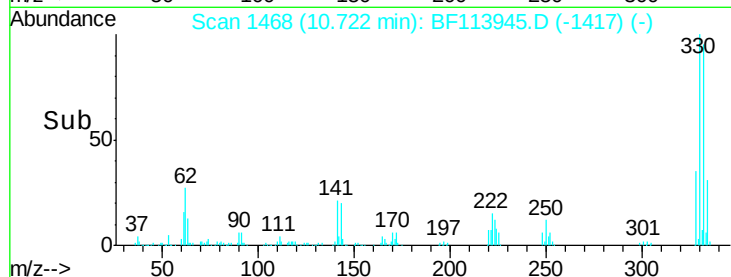
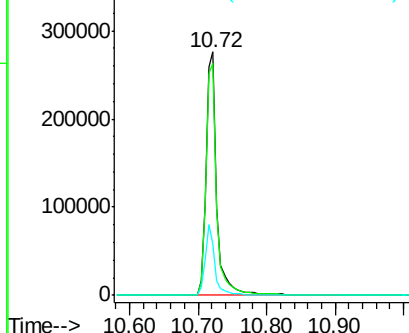
#42
 2,4,6-Tribromophenol
 Concen: 117.927 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113945.D
 Acq: 24 Apr 2019 3:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 307334
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.5 116.3
 141 26.5 22.2 33.2

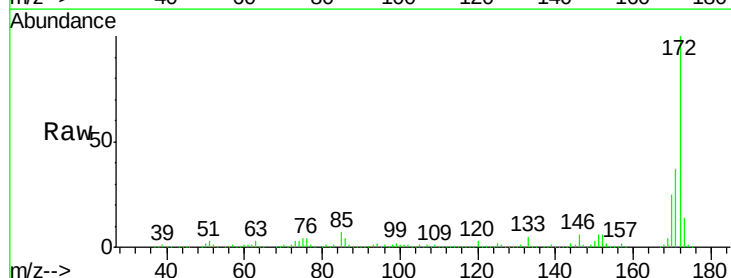


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

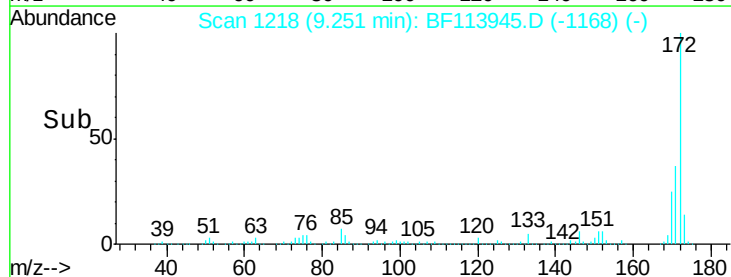
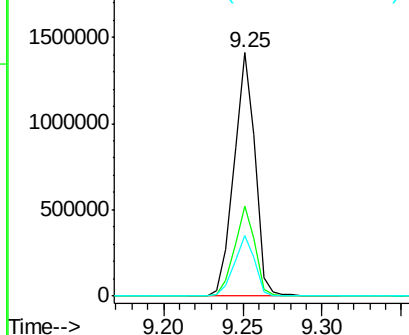


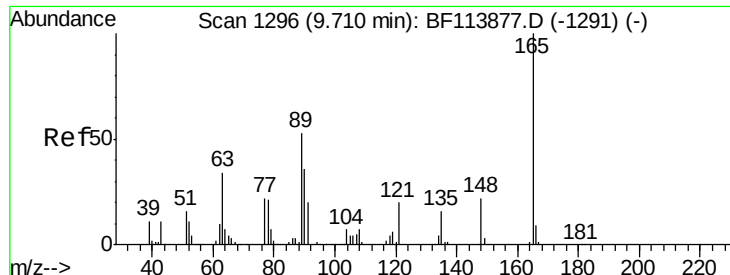
#45
 2-Fluorobiphenyl
 Concen: 95.030 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113945.D
 Acq: 24 Apr 2019 3:13

Tgt Ion:172 Resp: 1299854
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.7 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

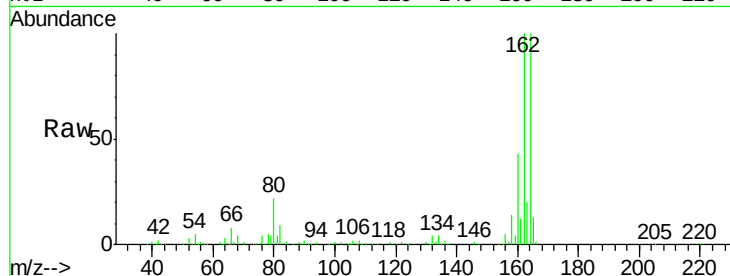




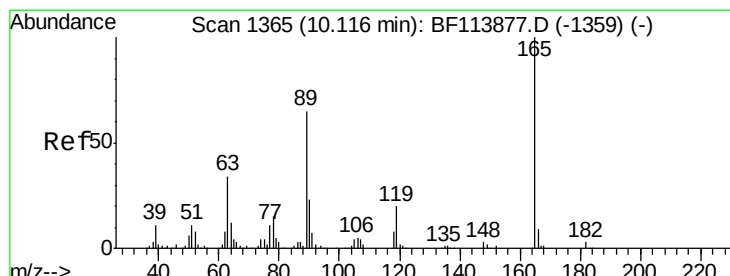
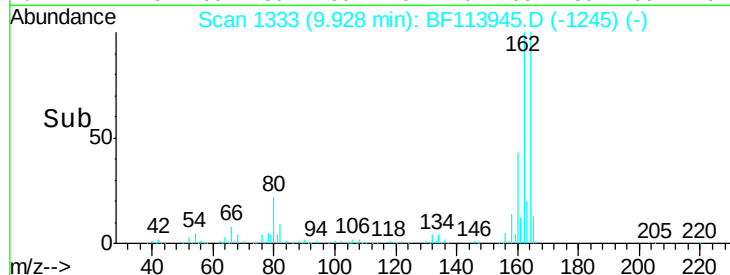
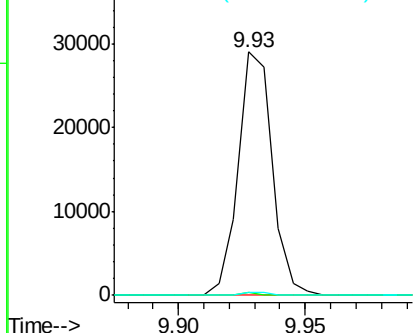
#51
 2,6-Dinitrotoluene
 Concen: 8.129 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF113945.D
 Acq: 24 Apr 2019 3:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.3	38.2	57.2#



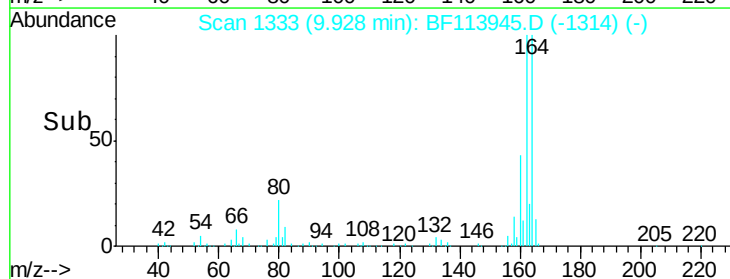
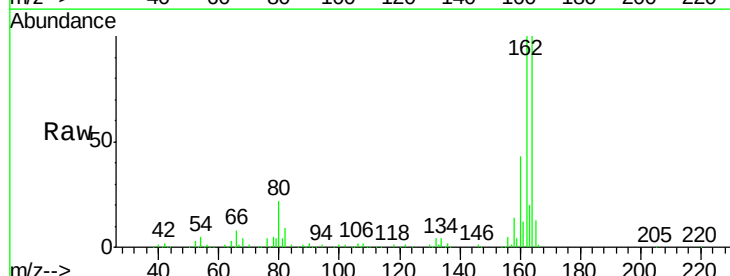
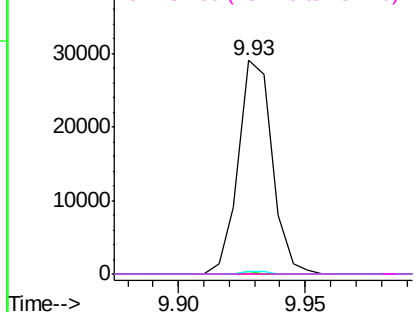
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

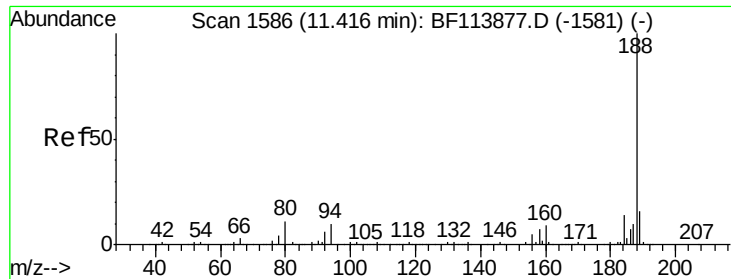


#57
 2,4-Dinitrotoluene
 Concen: 6.440 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF113945.D
 Acq: 24 Apr 2019 3:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.4	41.0#
89	1.3	51.8	77.6#
182	0.0	2.2	3.2#

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
 Ion 182.00 (181.70 to 182.70): E

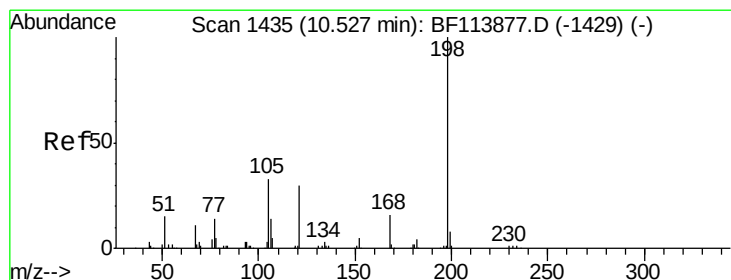
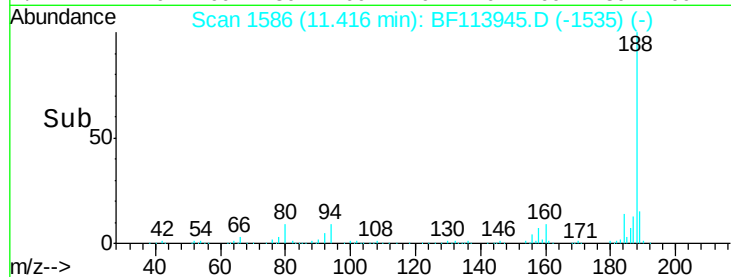
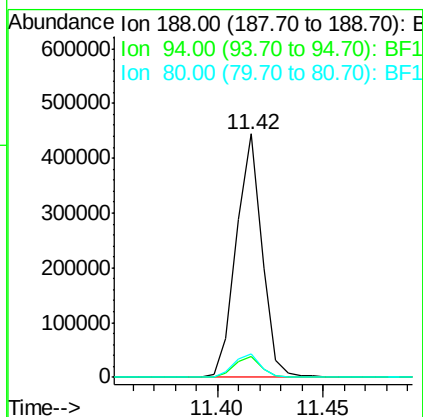
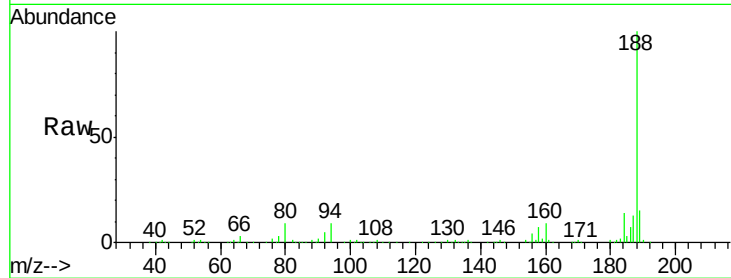




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113945.D
 Acq: 24 Apr 2019 3:13

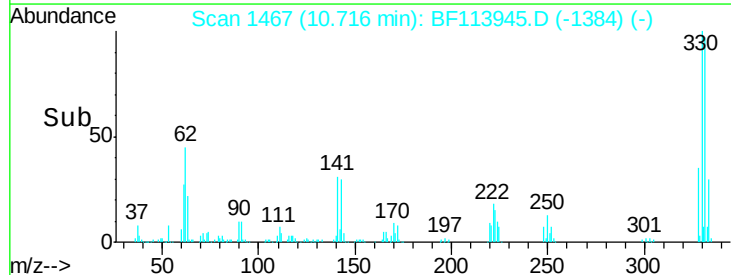
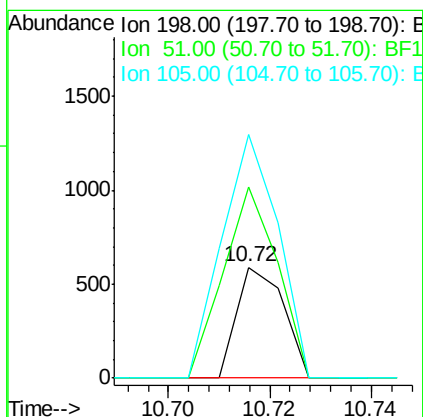
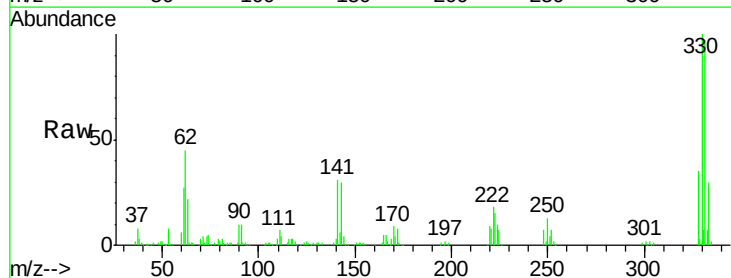
Instrument :
 BNA_F
 ClientSampled :

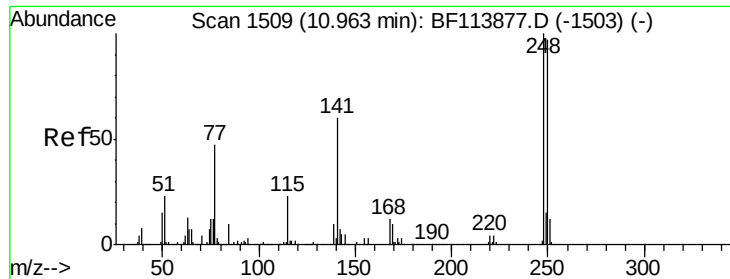
Tot Ion:188 Resp: 372279
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.5 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.495 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113945.D
 Acq: 24 Apr 2019 3:13

Tgt Ion:198 Resp: 376
 Ion Ratio Lower Upper
 198 100
 51 172.8 11.1 51.1#
 105 220.4 20.7 60.7#

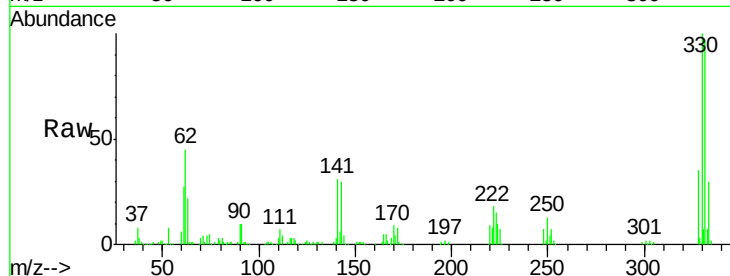




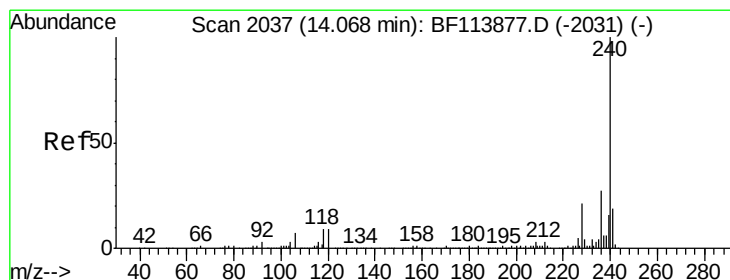
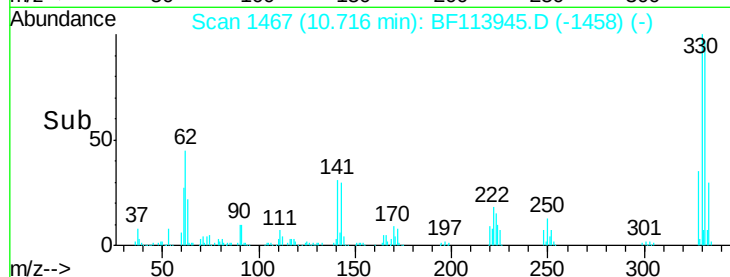
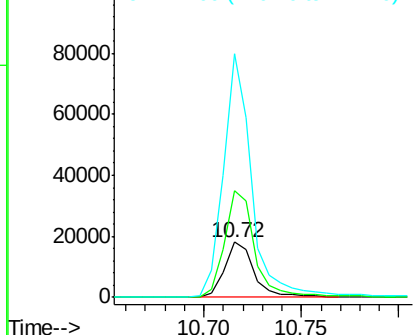
#67
4-Bromophenyl-phenylether
Concen: 4.193 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18859
Ion Ratio Lower Upper
248 100
250 192.3 75.8 113.6#
141 441.4 50.2 75.4#

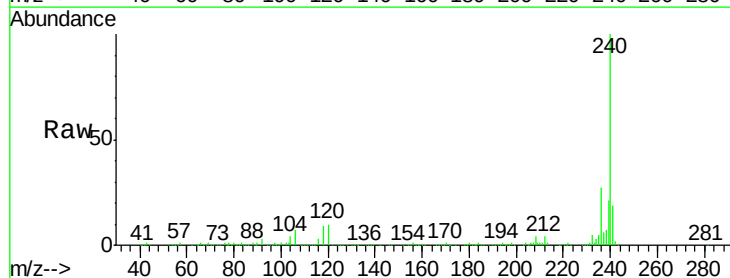


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

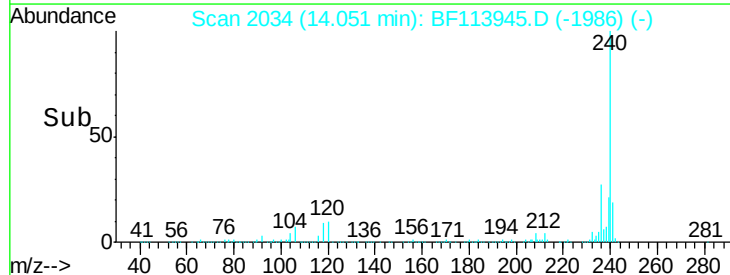
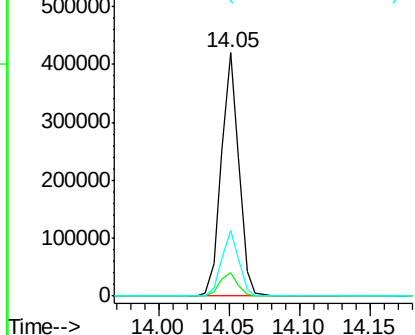


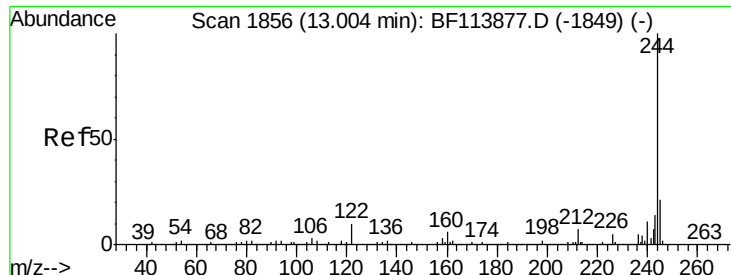
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113945.D
Acq: 24 Apr 2019 3:13

Tgt Ion:240 Resp: 362155
Ion Ratio Lower Upper
240 100
120 9.9 9.3 13.9
236 26.7 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: 83.116 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113945.D

Acq: 24 Apr 2019 3:13

Instrument :

BNA_F

ClientSampleId :

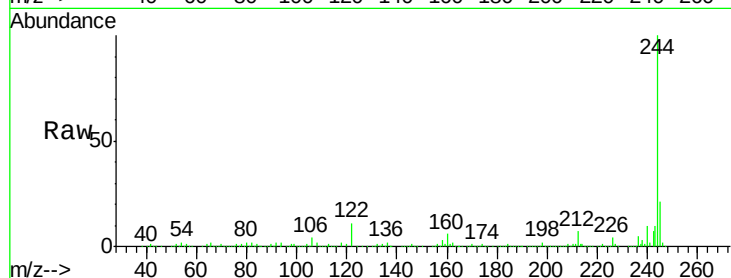
Tot Ion:244 Resp: 1468246

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

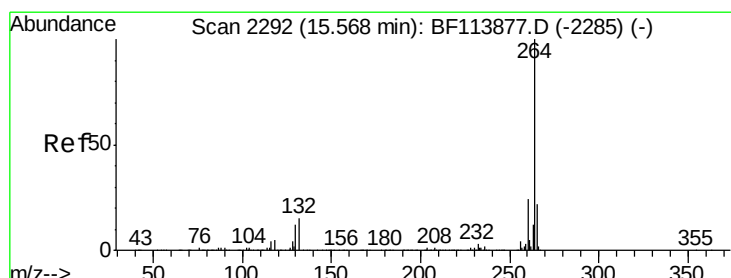
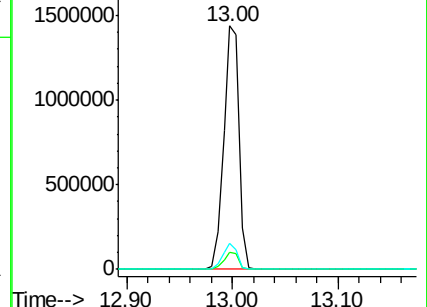
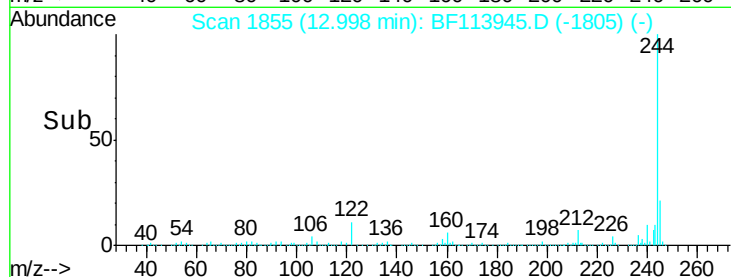
122 10.6 7.6 11.4



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: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113945.D

Acq: 24 Apr 2019 3:13

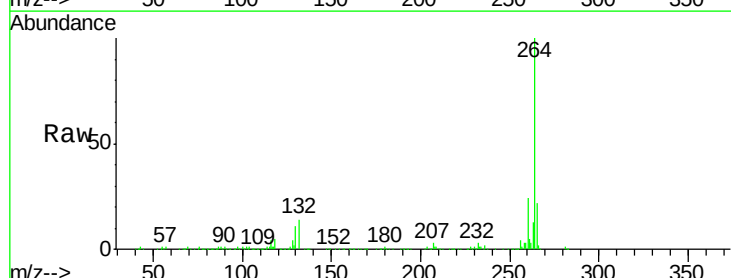
Tgt Ion:264 Resp: 316031

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.9 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

