

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113935.D
 Acq On : 23 Apr 2019 21:52
 Operator : JU/SJ
 Sample : K2518-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 02:07:46 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	132984	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	454608	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	200787	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	362803	20.00	ng	0.00
76) Chrysene-d12	14.05	240	393399	20.00	ng	-0.02
87) Perylene-d12	15.54	264	344453	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	805448	103.59	ng	0.02
7) Phenol-d6	6.53	99	883158	90.53	ng	0.00
23) Nitrobenzene-d5	7.46	82	685246	93.07	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	303679	124.15	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1257714	97.97	ng	0.00
79) Terphenyl-d14	13.00	244	1518933	79.16	ng	0.00

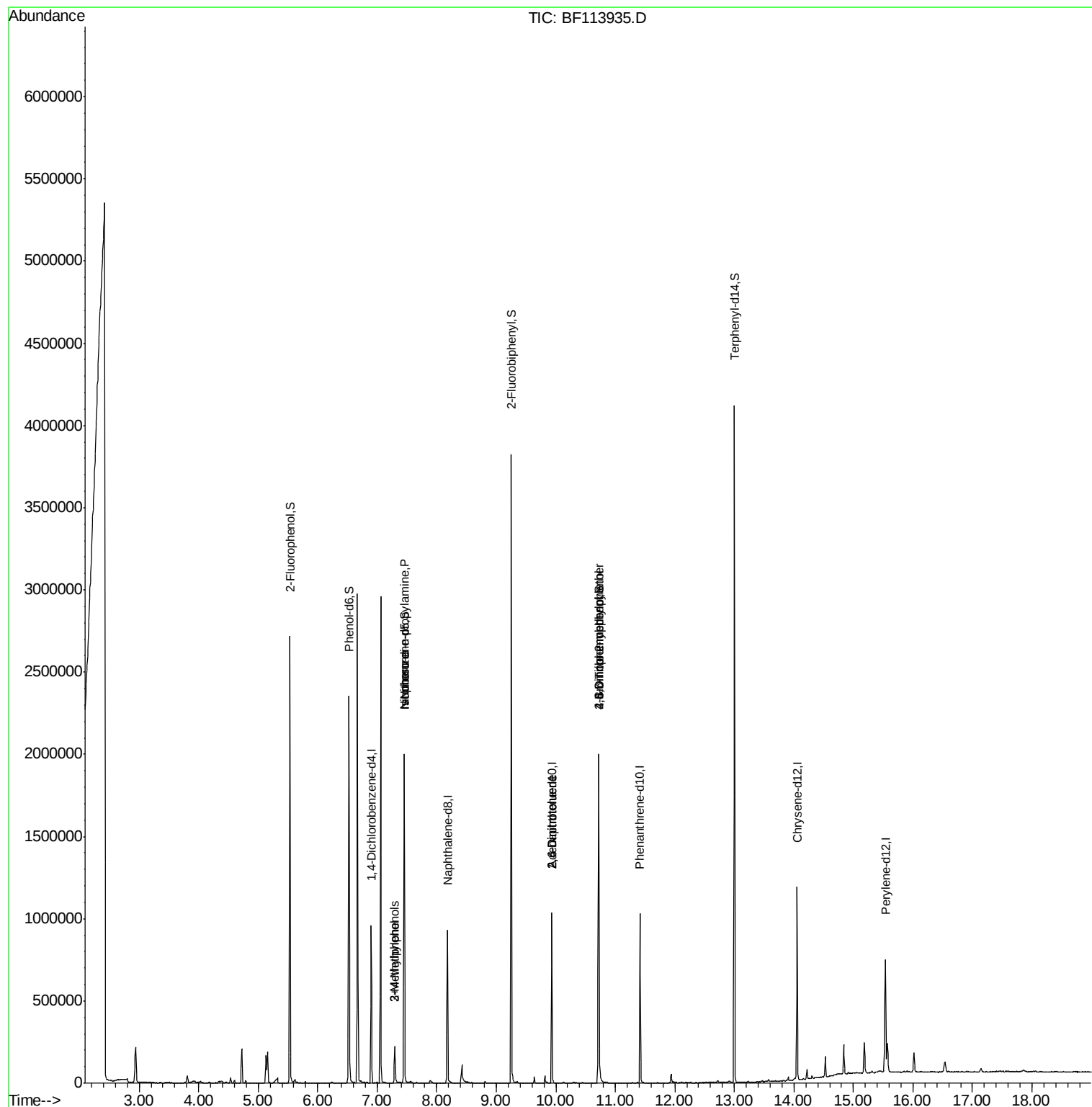
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	20485	Below Cal		81
17) 2-Methylphenol	7.29	107	73666	9.467 ng	#	70
19) n-Nitroso-di-n-propylamine	7.46	70	90085	14.260 ng	#	77
20) 3+4-Methylphenols	7.29	107	73666	8.379 ng	#	74
25) Isophorone	7.46	82	682750	45.319 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	25328	8.130 ng	#	32
57) 2,4-Dinitrotoluene	9.93	165	25328	6.441 ng	#	28
65) 4,6-Dinitro-2-methylphenol	10.72	198	457	7.541 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	18713	4.270 ng	#	1

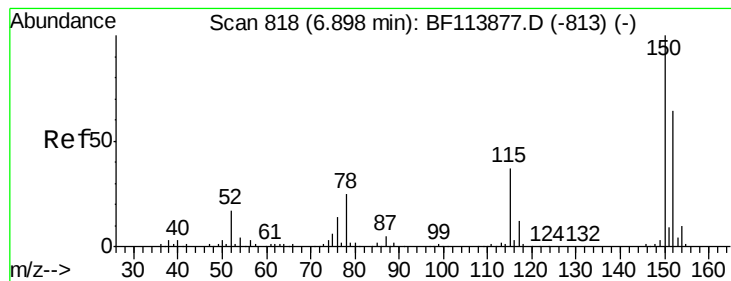
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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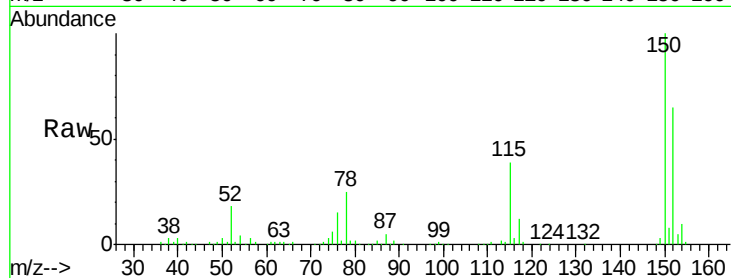


#1

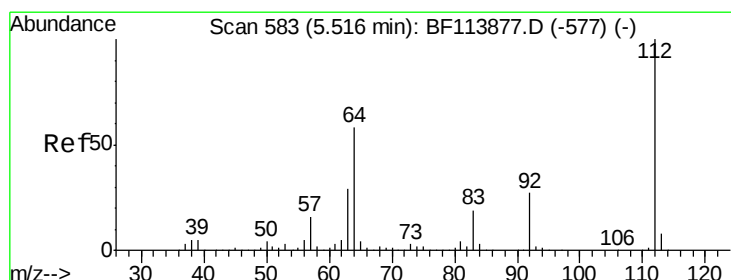
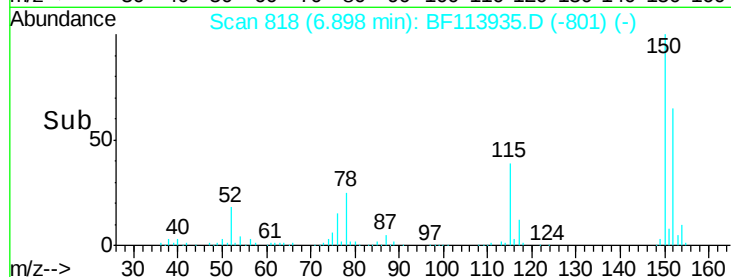
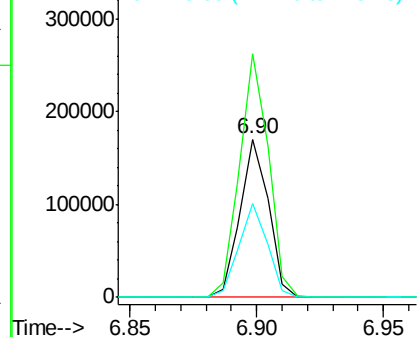
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113935.D
 Acq: 23 Apr 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	125.9	188.9
115	59.6	45.9	68.9



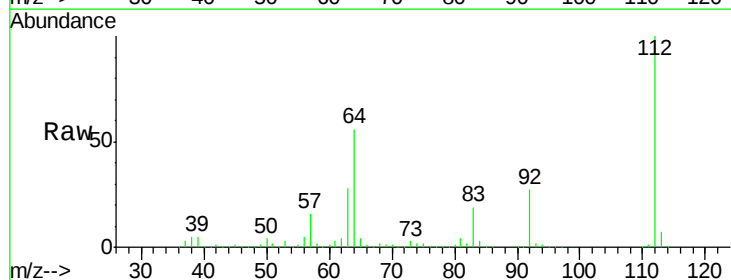
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



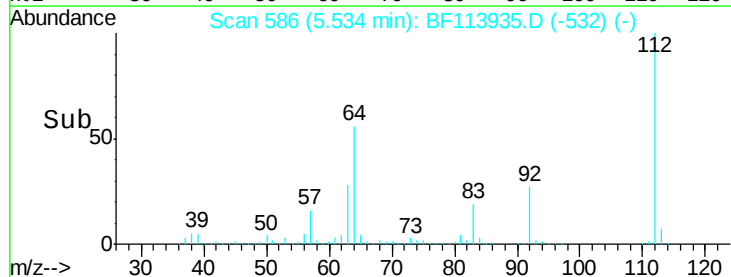
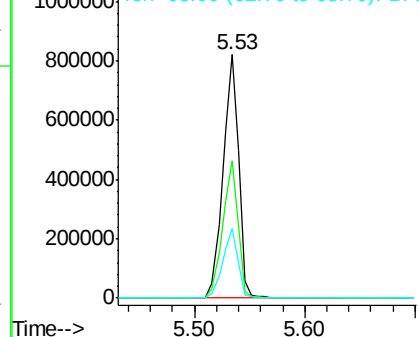
#5

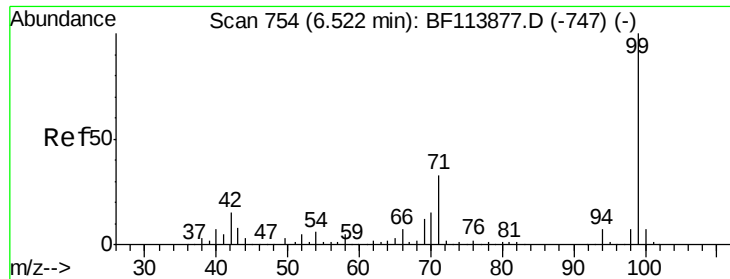
2-Fluorophenol
 Concen: 103.592 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF113935.D
 Acq: 23 Apr 2019 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.6	69.8
63	28.4	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: 90.534 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

Instrument :

BNA_F

ClientSampled :

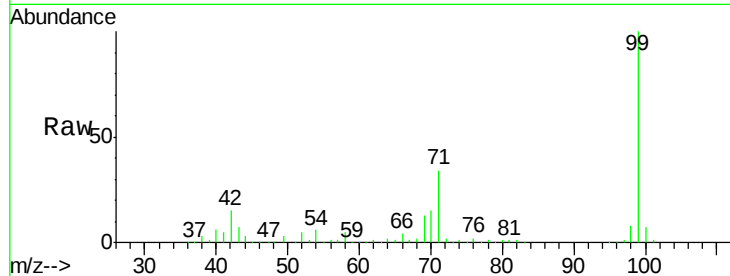
Tot Ion: 99 Resp: 883158

Ion Ratio Lower Upper

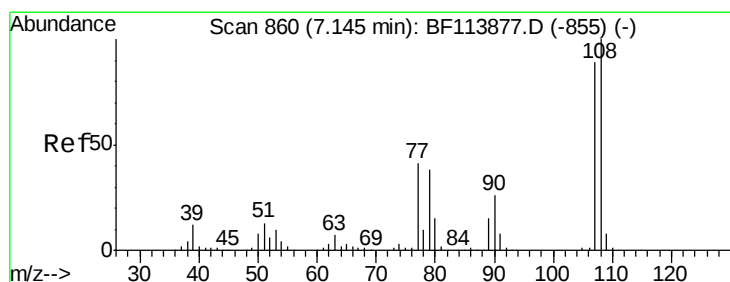
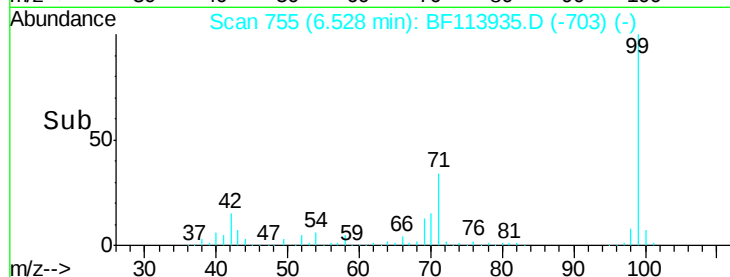
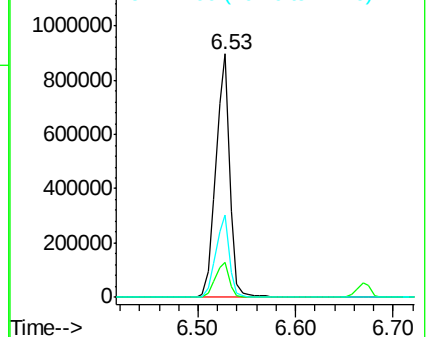
99 100

42 14.6 12.5 18.7

71 33.9 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: 9.467 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

Tgt Ion: 107 Resp: 73666

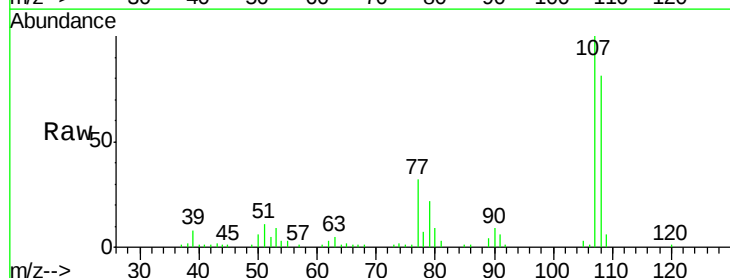
Ion Ratio Lower Upper

107 100

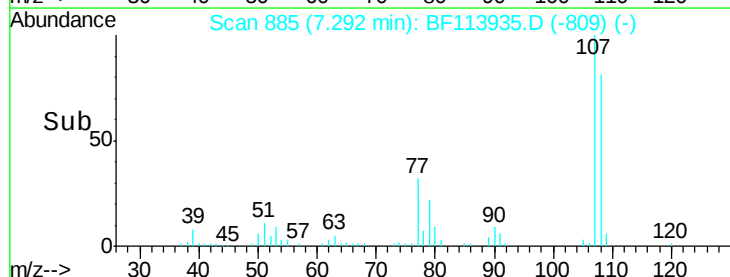
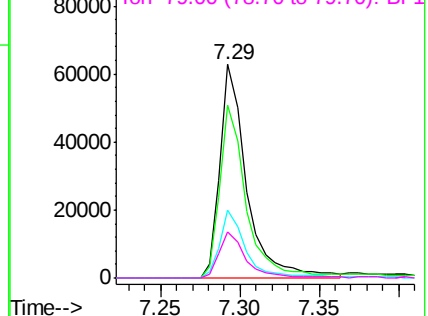
108 80.6 91.5 137.3#

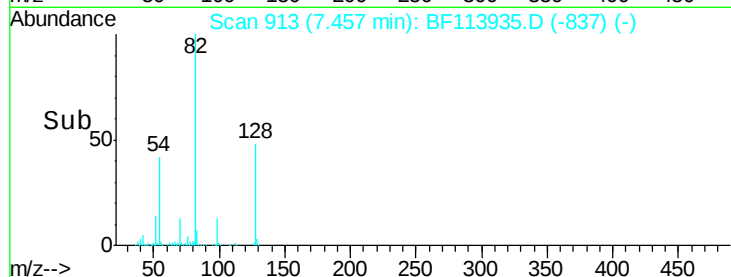
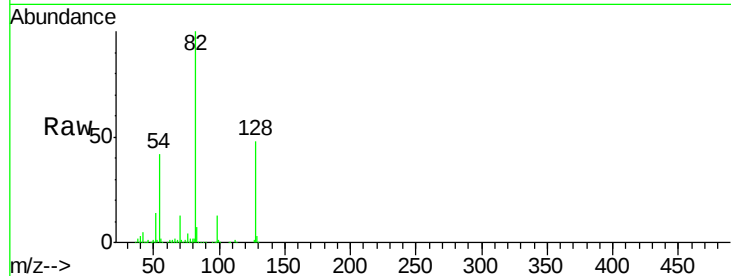
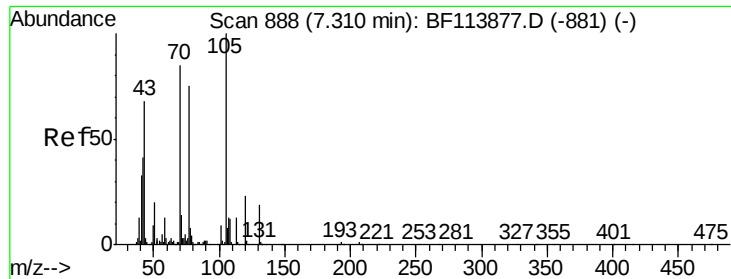
77 31.8 36.2 54.4#

79 21.7 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

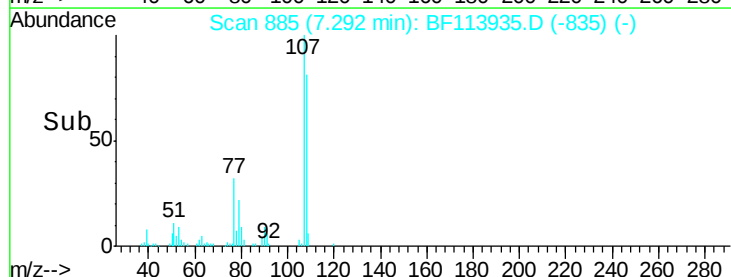
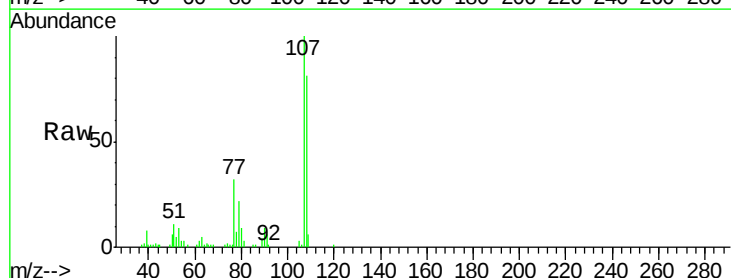
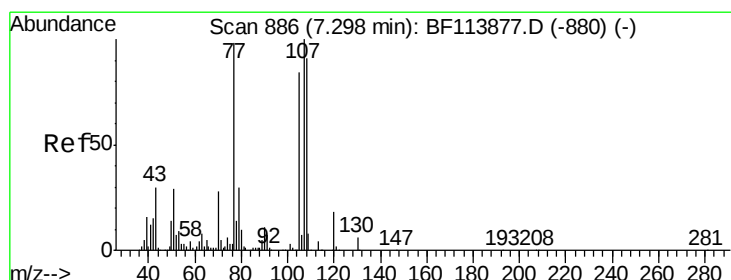
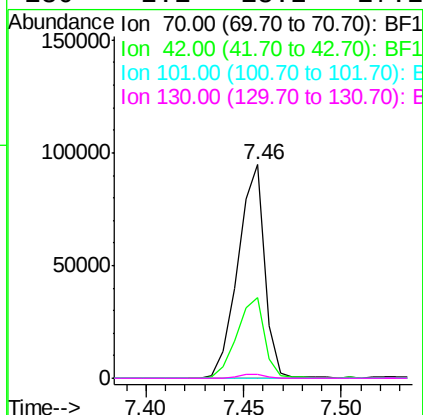




#19
n-Nitroso-di-n-propylamine
Concen: 14.260 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF113935.D
Acq: 23 Apr 2019 21:52

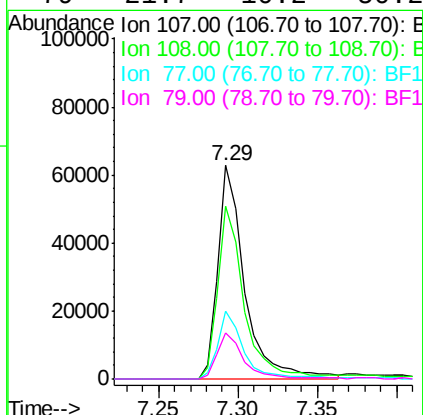
Instrument :
BNA_F
ClientSampleId :

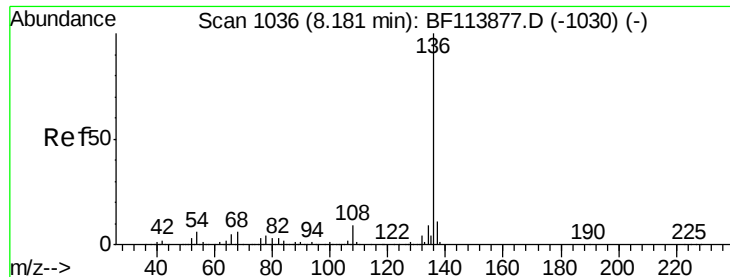
Tot Ion:	70	Resp:	90085
Ion	Ratio	Lower	Upper
70	100		
42	38.0	37.3	55.9
101	0.0	7.8	11.8#
130	2.1	18.2	27.2#



#20
3+4-Methylphenols
Concen: 8.379 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113935.D
Acq: 23 Apr 2019 21:52

Tgt Ion:	107	Resp:	73666
Ion	Ratio	Lower	Upper
107	100		
108	80.6	70.1	110.1
77	31.8	52.9	92.9#
79	21.7	10.2	50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 454608

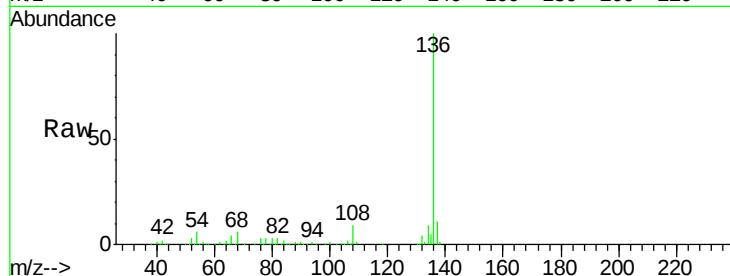
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 5.7 5.0 7.6

68 5.6 4.9 7.3

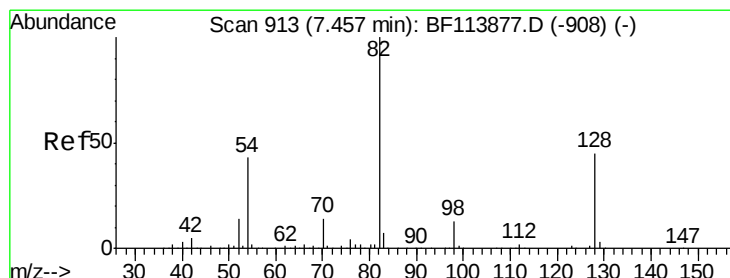
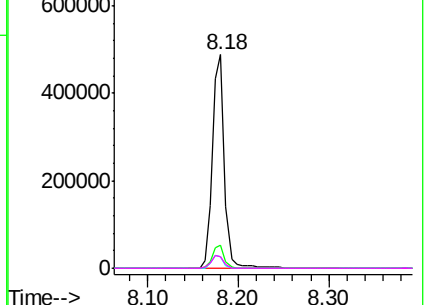
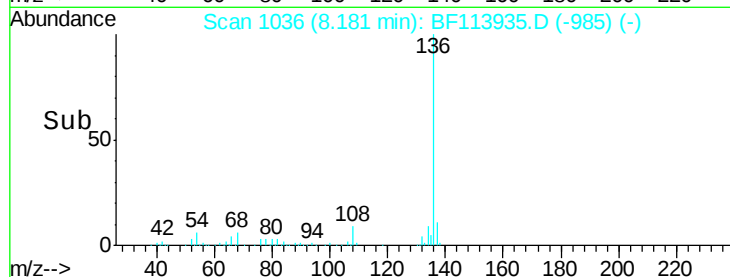


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.069 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

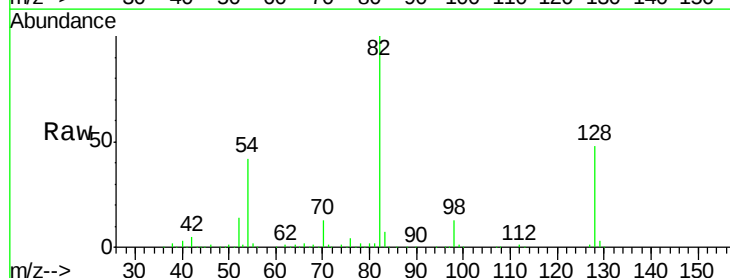
Tgt Ion: 82 Resp: 685246

Ion Ratio Lower Upper

82 100

128 47.8 36.8 55.2

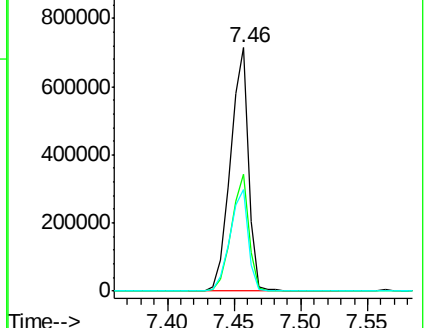
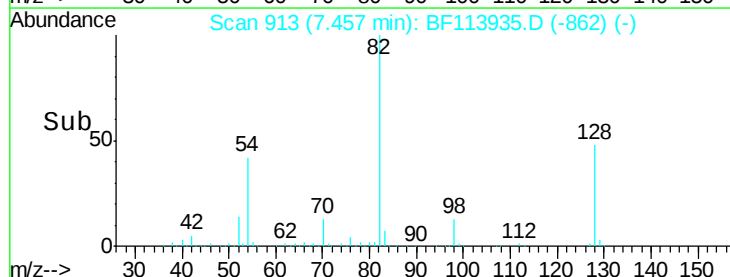
54 41.9 33.8 50.6

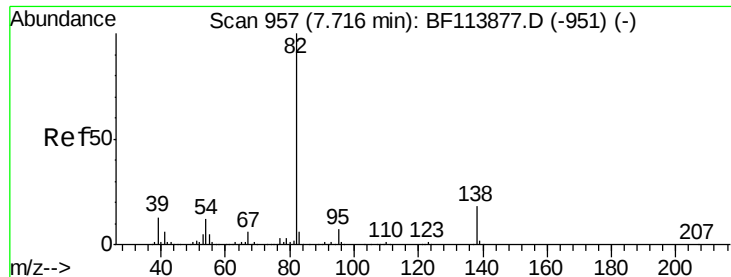


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.319 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

Instrument :

BNA_F

ClientSampleId :

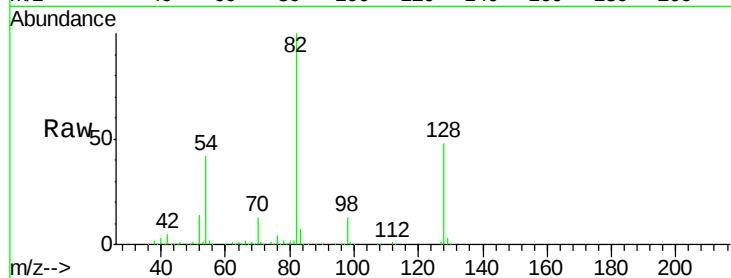
Tot Ion: 82 Resp: 682750

Ion Ratio Lower Upper

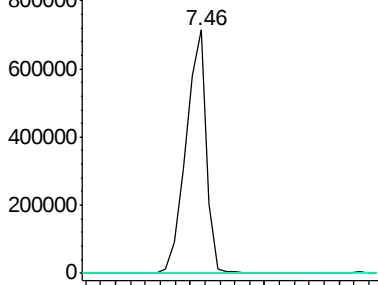
82 100

95 0.0 5.4 8.2#

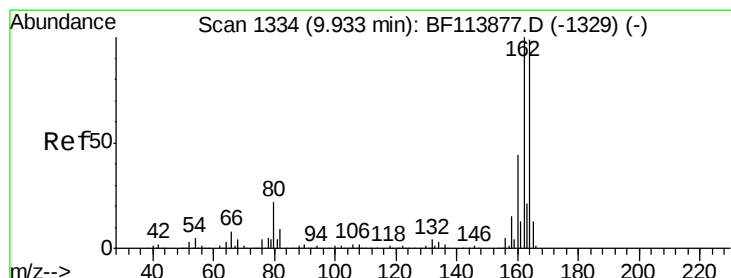
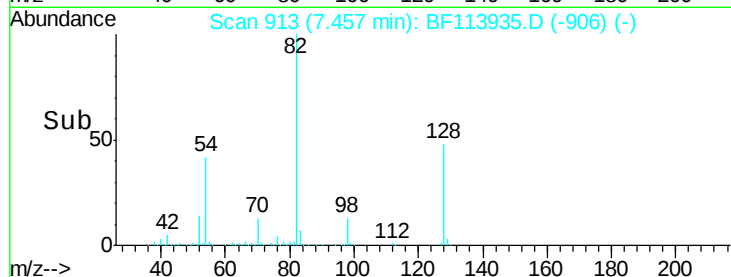
138 0.0 14.6 22.0#



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



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

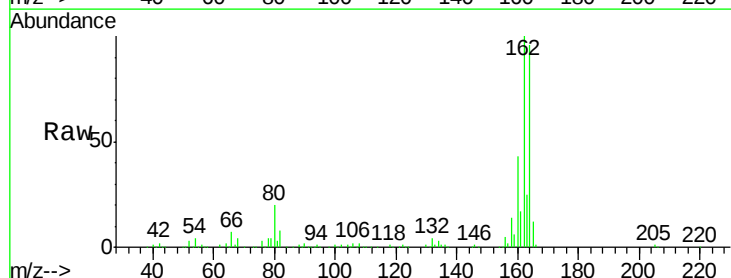
Tgt Ion:164 Resp: 200787

Ion Ratio Lower Upper

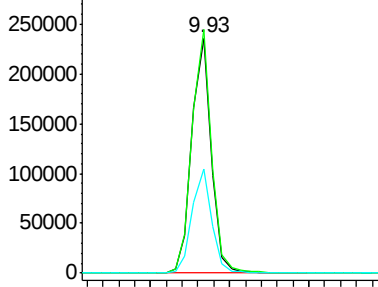
164 100

162 103.7 81.1 121.7

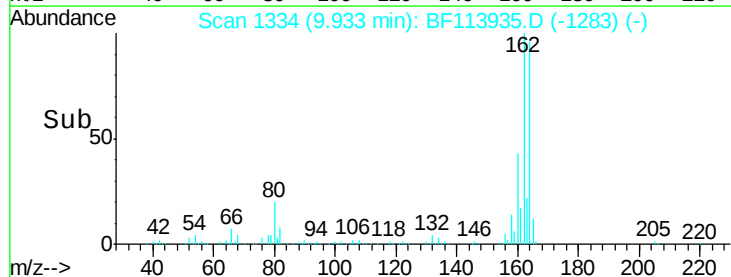
160 44.3 35.8 53.6

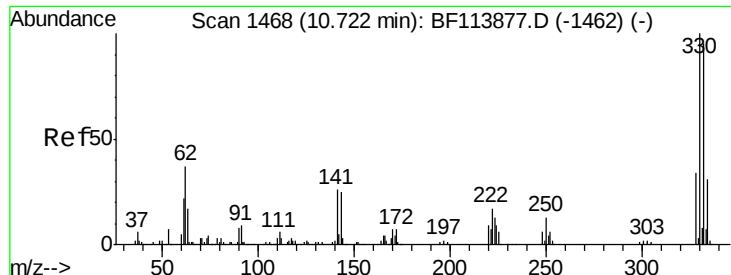


Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1



Time-->

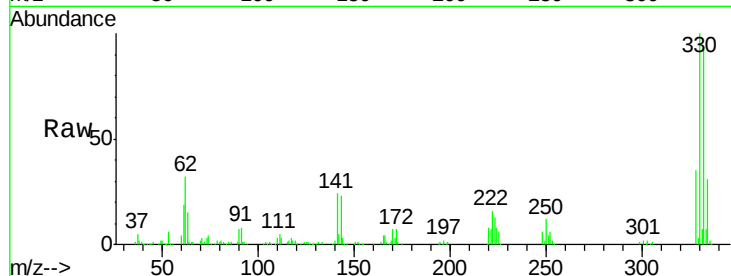




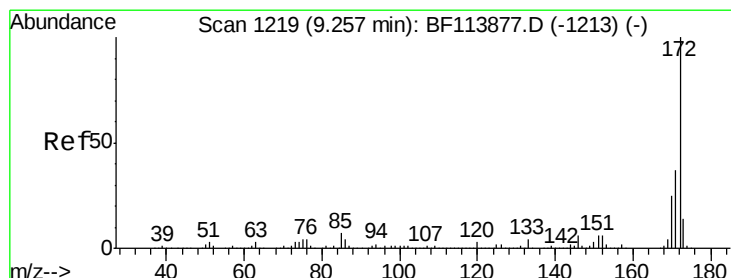
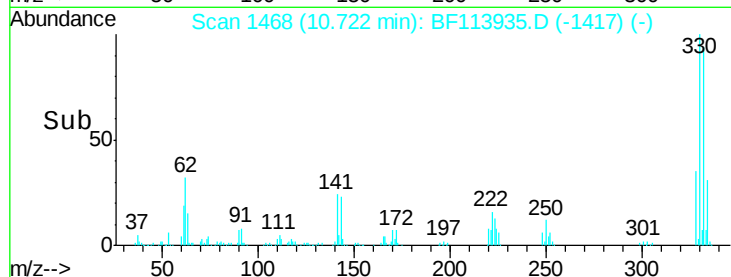
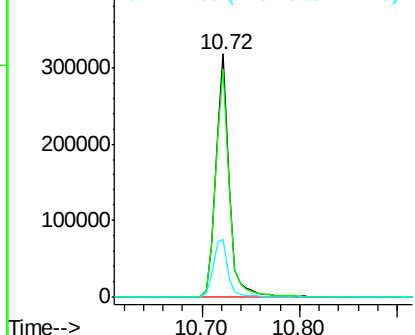
#42
 2,4,6-Tribromophenol
 Concen: 124.153 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113935.D
 Acq: 23 Apr 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.5	116.3
141	26.7	22.2	33.2

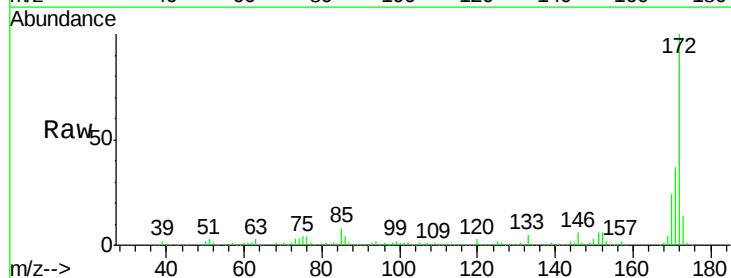


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

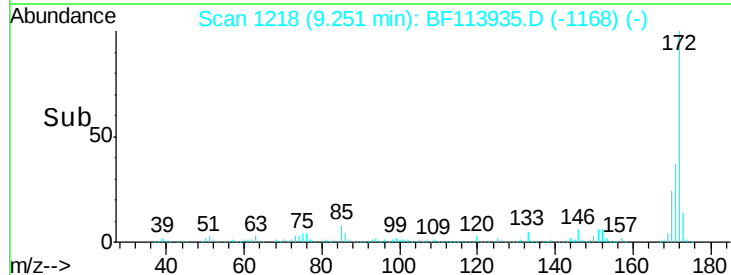
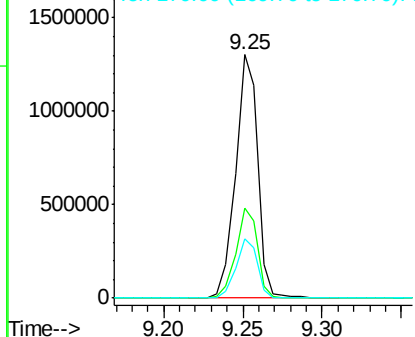


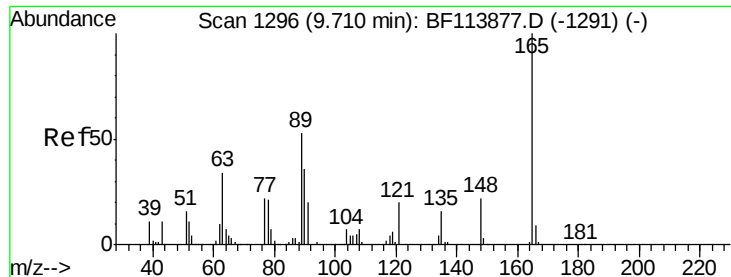
#45
 2-Fluorobiphenyl
 Concen: 97.969 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113935.D
 Acq: 23 Apr 2019 21:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.2	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

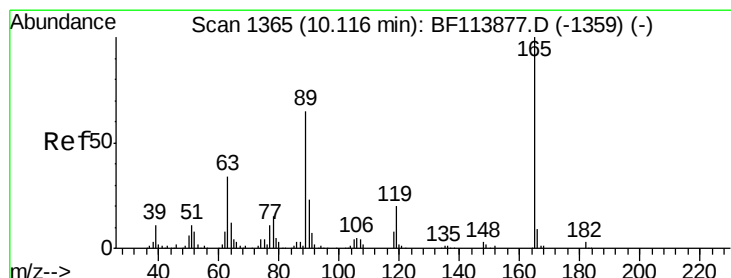
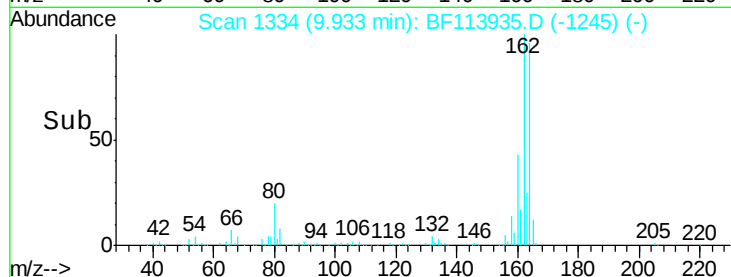
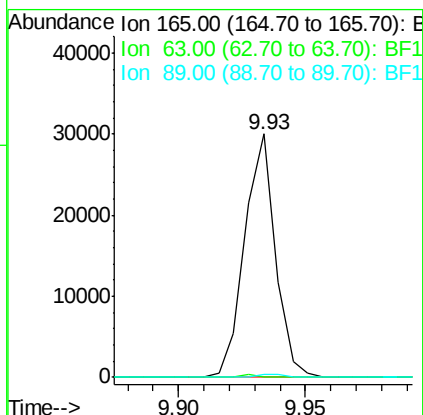
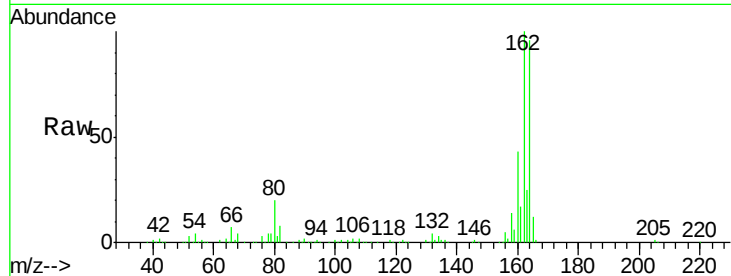




#51
 2,6-Dinitrotoluene
 Concen: 8.130 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113935.D
 Acq: 23 Apr 2019 21:52

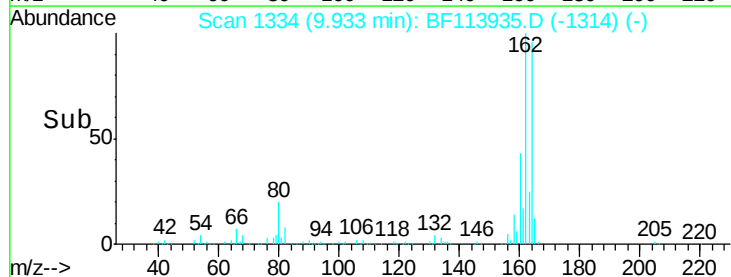
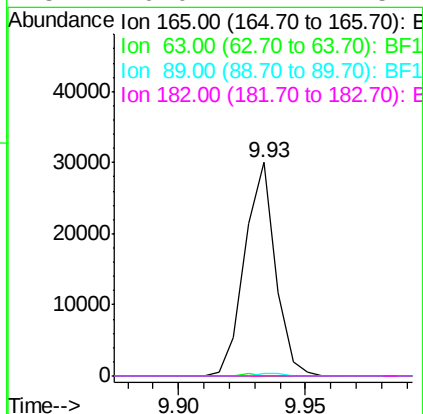
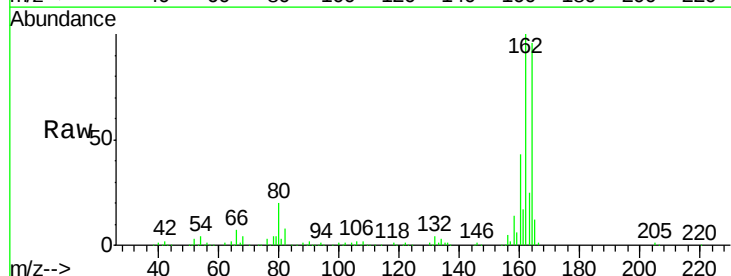
Instrument :
 BNA_F
 ClientSampleId :

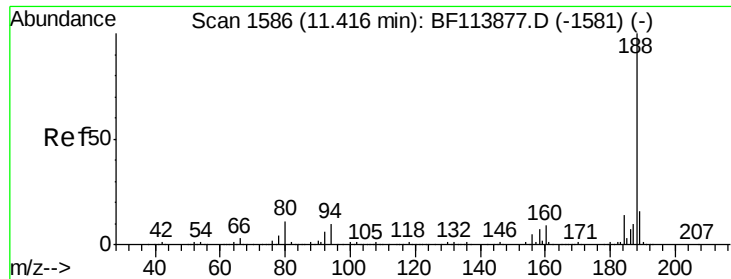
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	1.4	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.441 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113935.D
 Acq: 23 Apr 2019 21:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.4	41.0#
89	1.4	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: BF113935.D

Acq: 23 Apr 2019 21:52

Instrument :

BNA_F

ClientSampled :

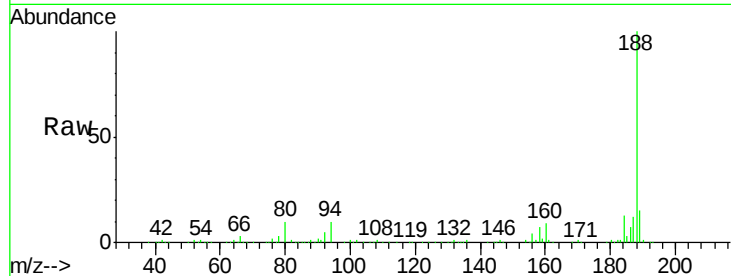
Tot Ion:188 Resp: 362803

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

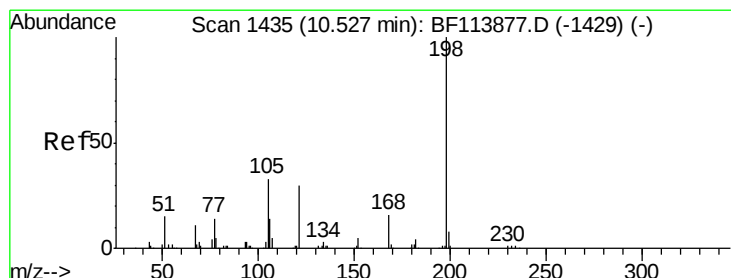
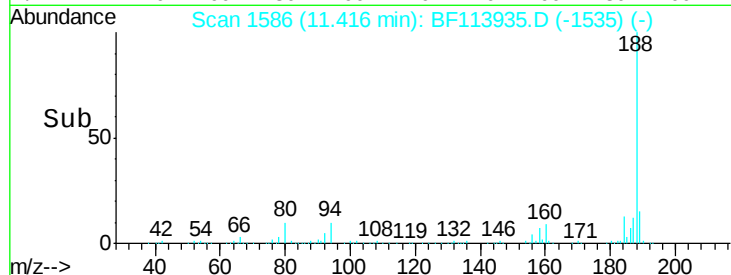
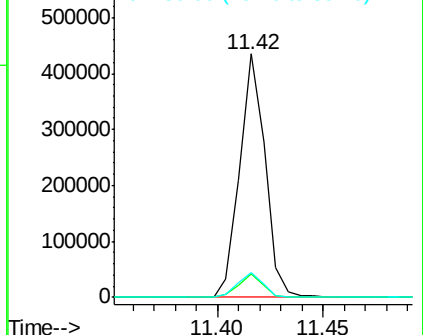
80 10.1 9.0 13.6



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: 7.541 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

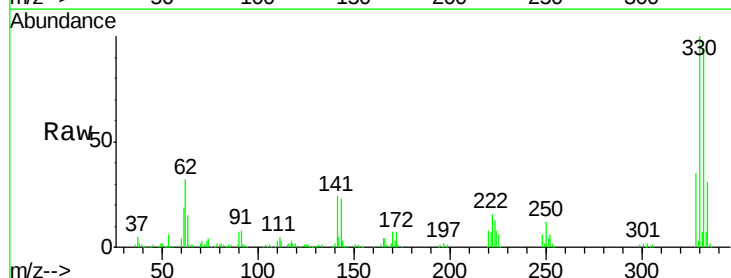
Tgt Ion:198 Resp: 457

Ion Ratio Lower Upper

198 100

51 91.8 11.1 51.1#

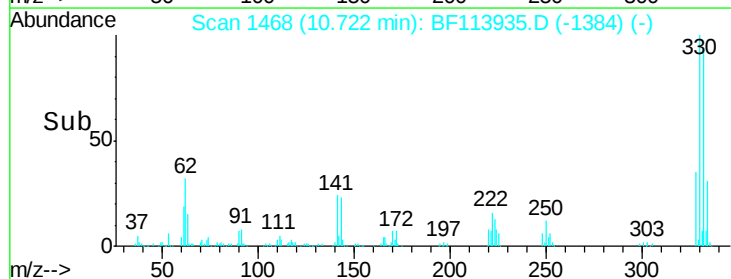
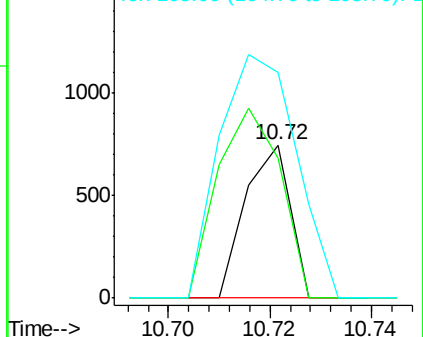
105 147.3 20.7 60.7#

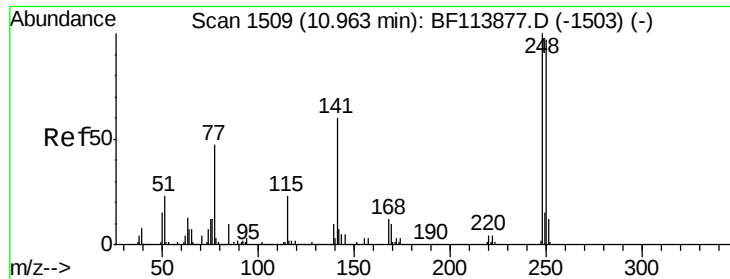


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

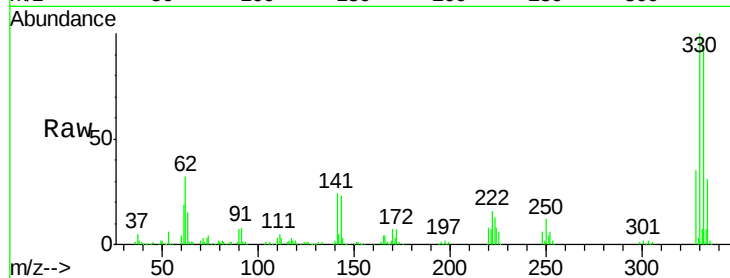




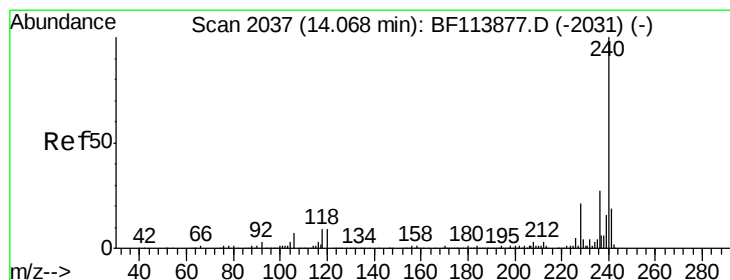
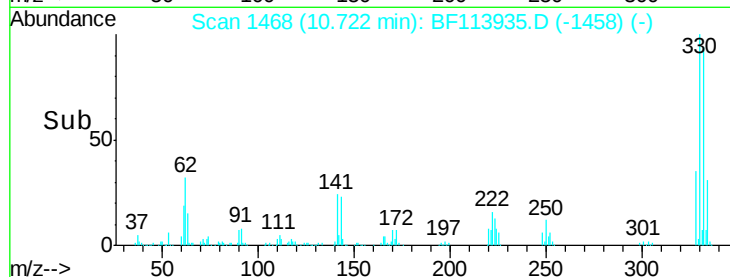
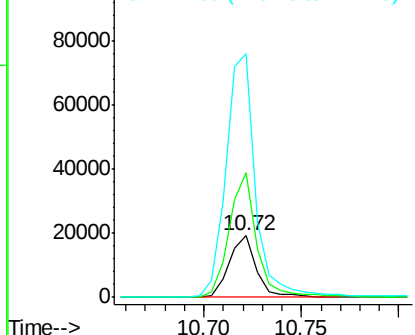
#67
4-Bromophenyl-phenylether
Concen: 4.270 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113935.D
Acq: 23 Apr 2019 21:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18713
Ion Ratio Lower Upper
248 100
250 202.9 75.8 113.6#
141 395.7 50.2 75.4#

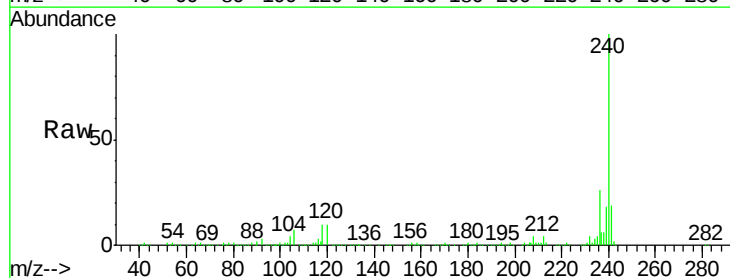


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

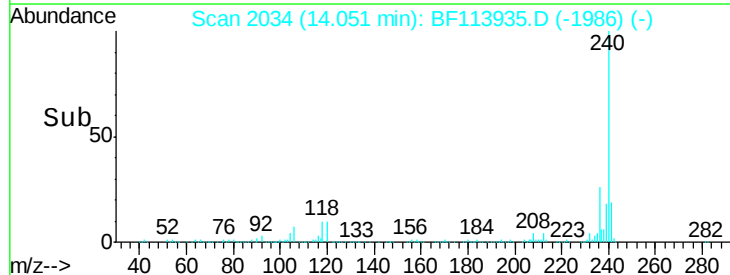
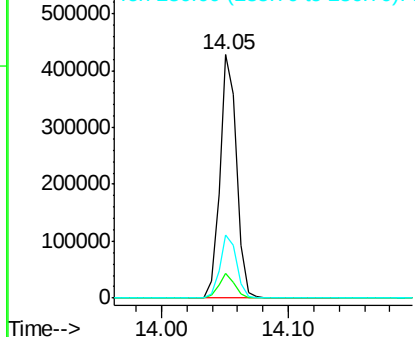


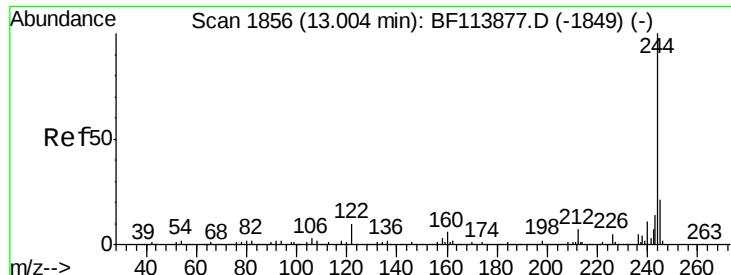
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113935.D
Acq: 23 Apr 2019 21:52

Tgt Ion:240 Resp: 393399
Ion Ratio Lower Upper
240 100
120 10.3 9.3 13.9
236 25.9 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: 79.157 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113935.D

Acq: 23 Apr 2019 21:52

Instrument :

BNA_F

ClientSampleId :

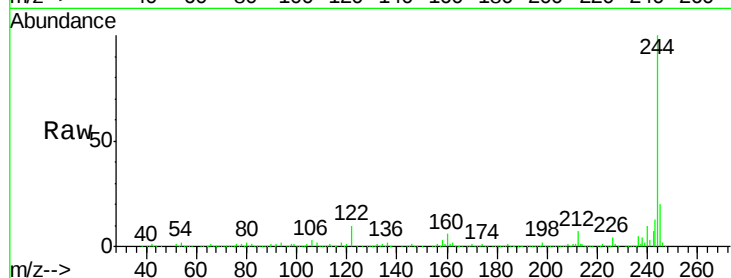
Tot Ion:244 Resp: 1518933

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

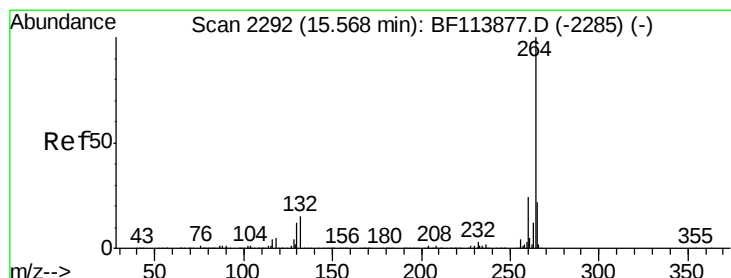
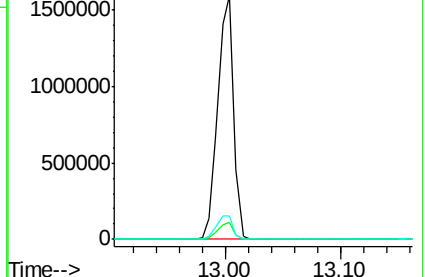
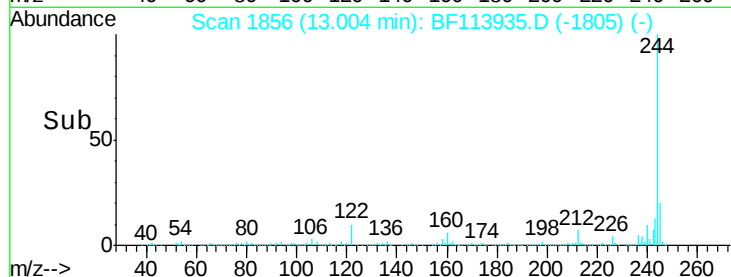
122 9.7 7.6 11.4



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: BF113935.D

Acq: 23 Apr 2019 21:52

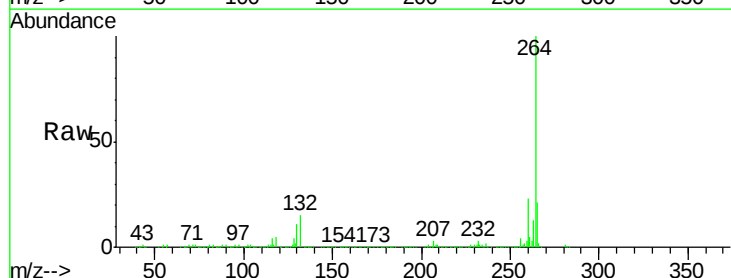
Tgt Ion:264 Resp: 344453

Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 21.5 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

