

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113943.D
 Acq On : 24 Apr 2019 2:20
 Operator : JU/SJ
 Sample : K2510-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:19:42 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

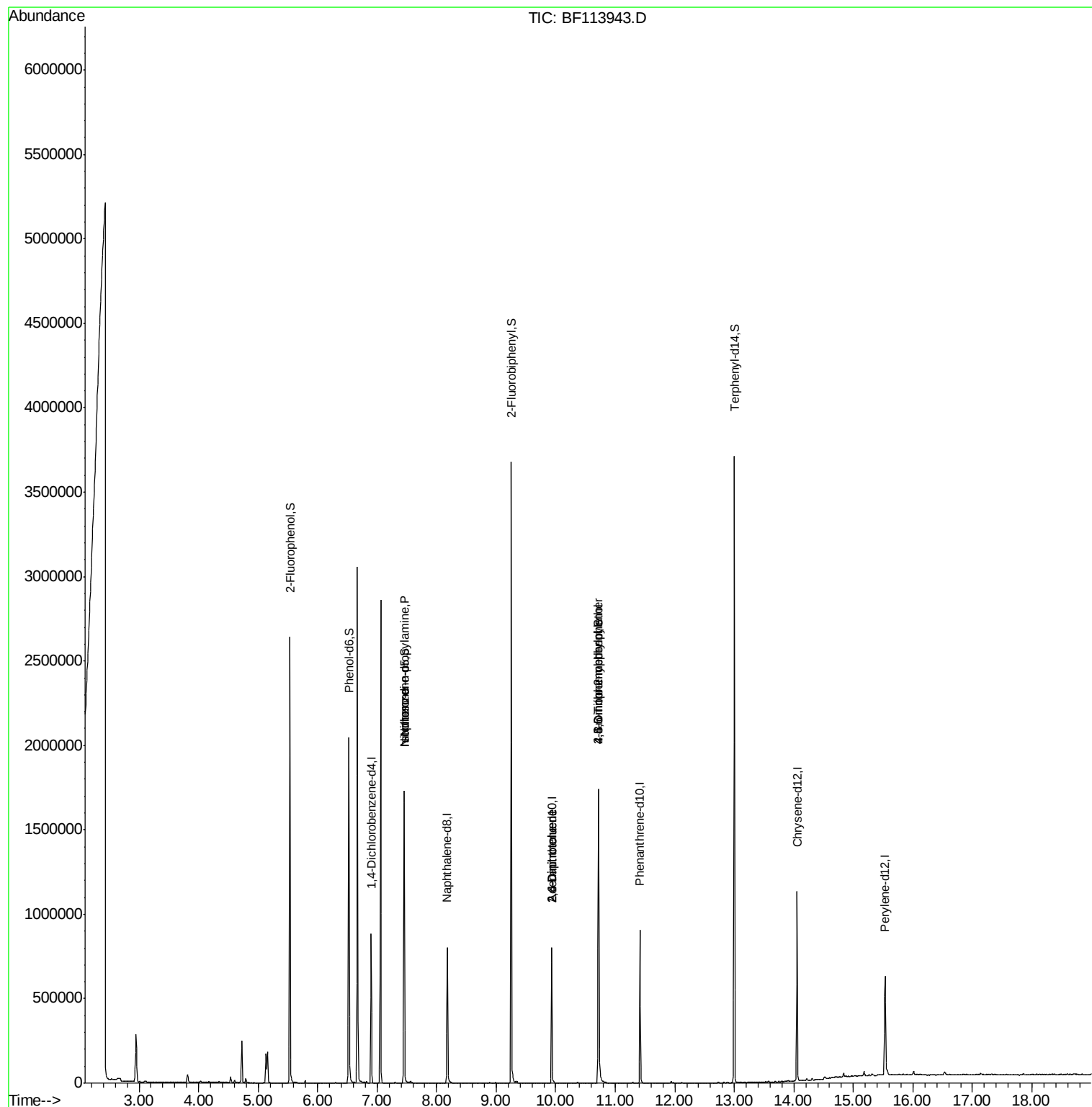
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	122222	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	406637	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	177855	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	335320	20.00	ng	0.00
76) Chrysene-d12	14.05	240	362841	20.00	ng	-0.02
87) Perylene-d12	15.53	264	297885	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	784878	109.83	ng	0.02
7) Phenol-d6	6.53	99	845341	94.29	ng	0.00
23) Nitrobenzene-d5	7.46	82	643758	97.75	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	282975	130.61	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1168893	102.79	ng	0.00
79) Terphenyl-d14	13.00	244	1430656	80.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	1089	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	85373	14.704 ng	#	3
25) Isophorone	7.46	82	643747	47.771 ng	#	77
51) 2,6-Dinitrotoluene	9.93	165	22147	8.026 ng	#	65
57) 2,4-Dinitrotoluene	9.93	165	22147	6.358 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.72	198	389	7.523 ng	#	28
67) 4-Bromophenyl-phenylether	10.72	248	17651	4.357 ng	#	1
1						1

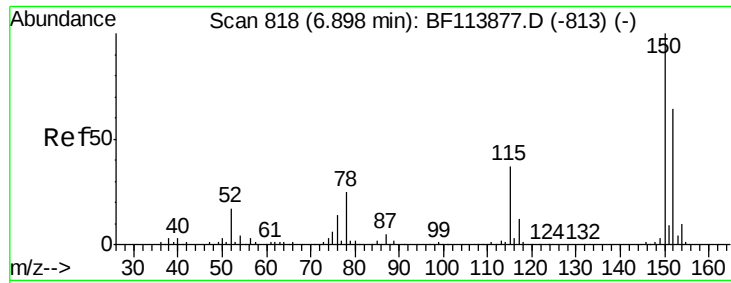
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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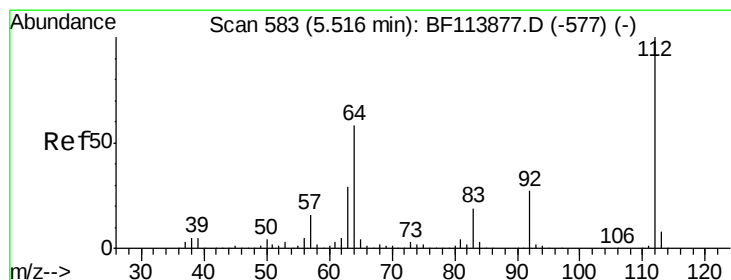
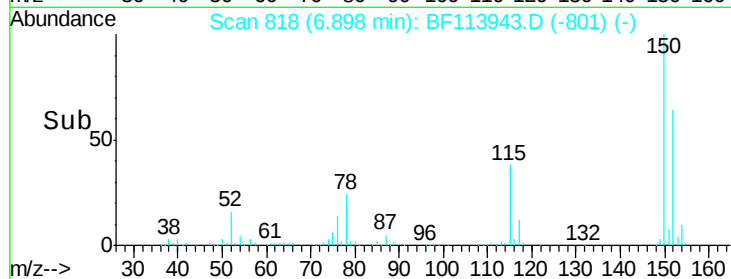
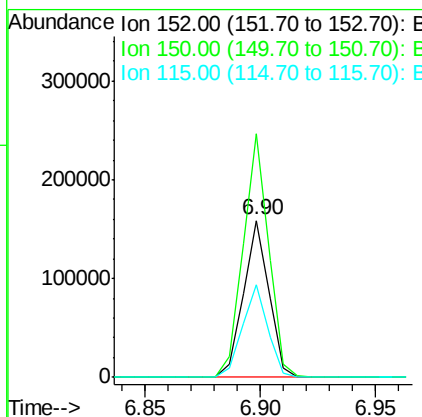
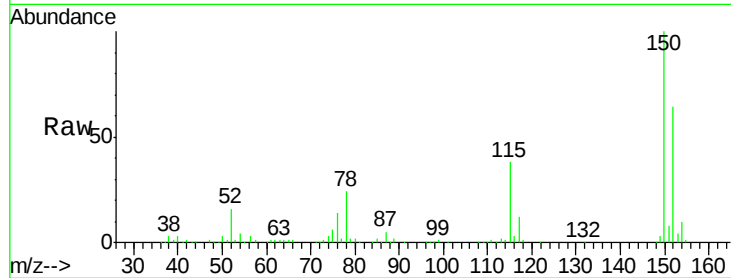




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

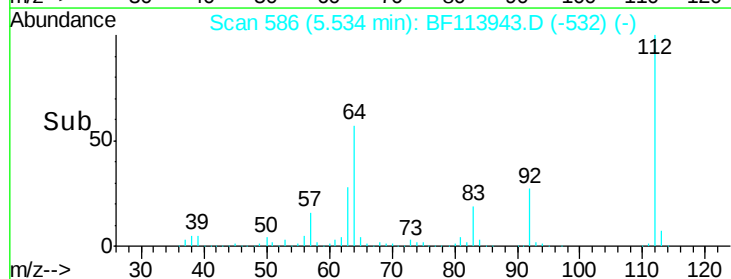
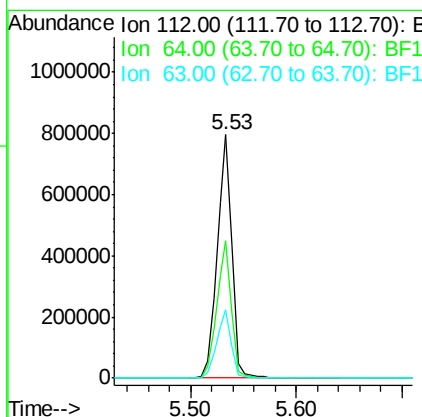
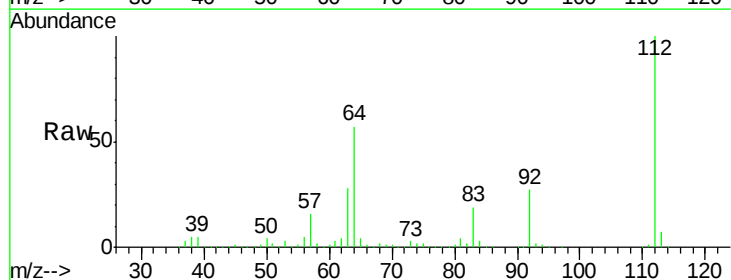
Instrument :
 BNA_F
 ClientSampleId :

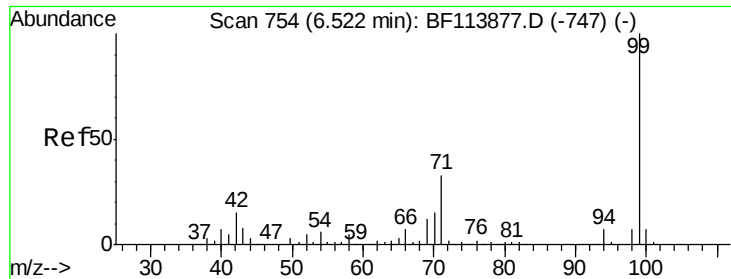
Tot Ion:152 Resp: 122222
 Ion Ratio Lower Upper
 152 100
 150 155.3 125.9 188.9
 115 59.1 45.9 68.9



#5
 2-Fluorophenol
 Concen: 109.835 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

Tgt Ion:112 Resp: 784878
 Ion Ratio Lower Upper
 112 100
 64 56.6 46.6 69.8
 63 28.1 23.1 34.7





#7

Phenol-d6

Concen: 94.288 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Instrument :

BNA_F

ClientSampled :

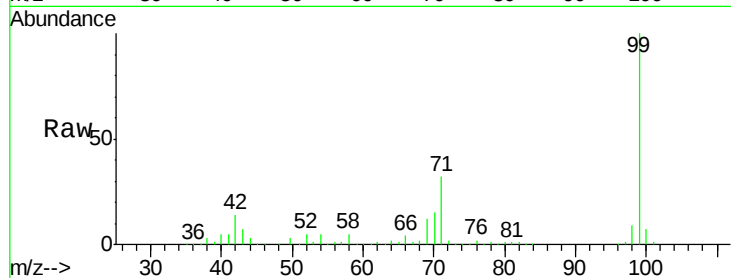
Tot Ion: 99 Resp: 845341

Ion Ratio Lower Upper

99 100

42 13.6 12.5 18.7

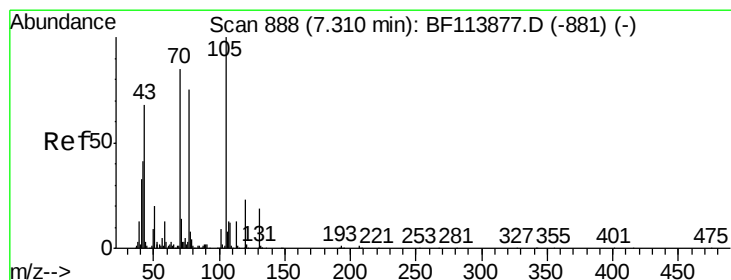
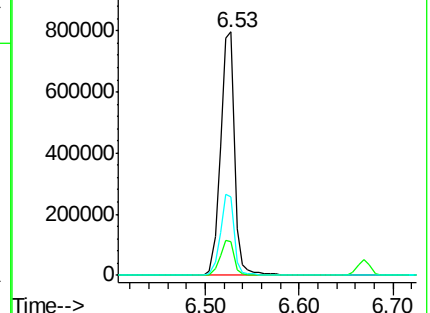
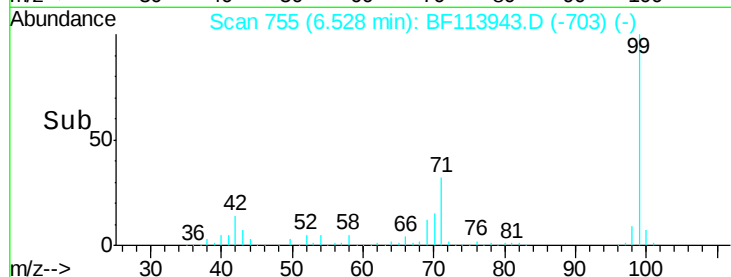
71 32.2 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.704 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Tgt Ion: 70 Resp: 85373

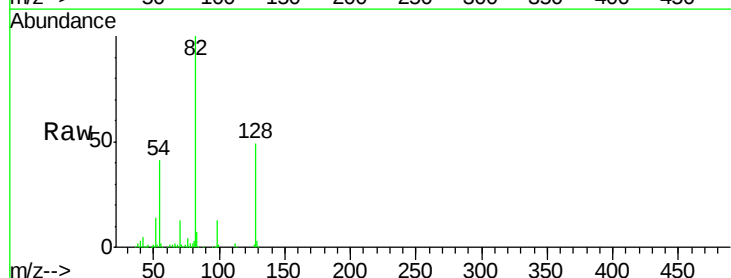
Ion Ratio Lower Upper

70 100

42 38.1 37.3 55.9

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#

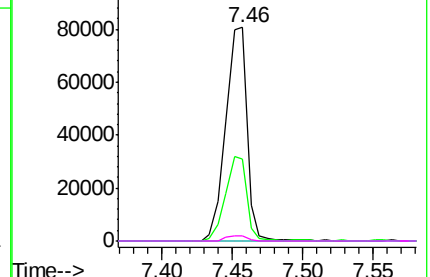
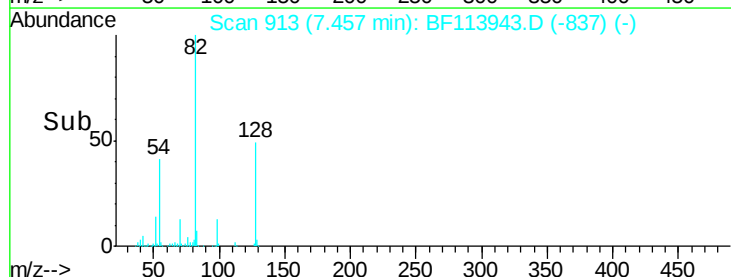


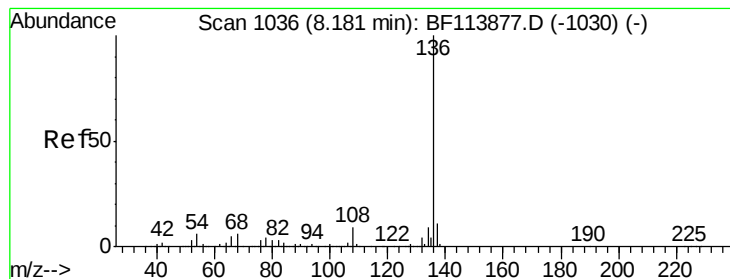
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

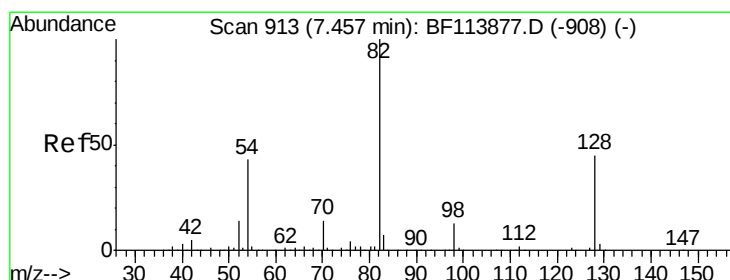
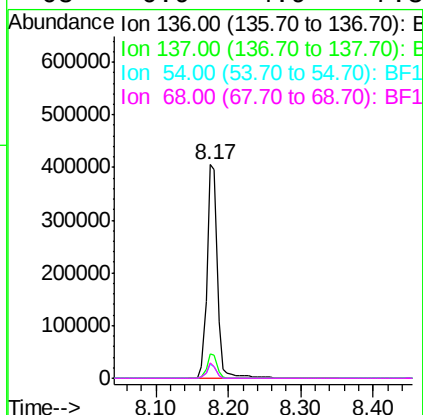
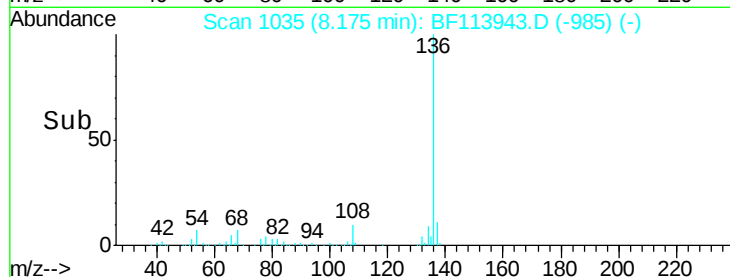
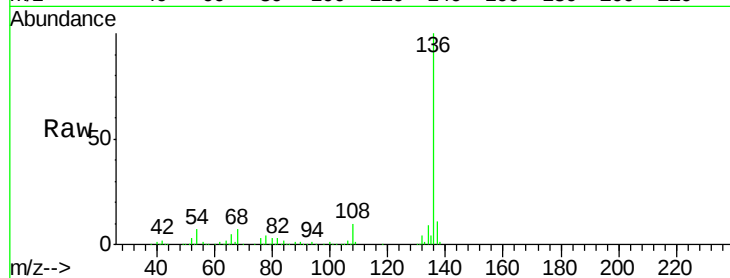
Delta R.T. -0.01 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	406637
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.6 12.8
54	6.9	5.0 7.6
68	6.9	4.9 7.3



#23

Nitrobenzene-d5

Concen: 97.748 ng

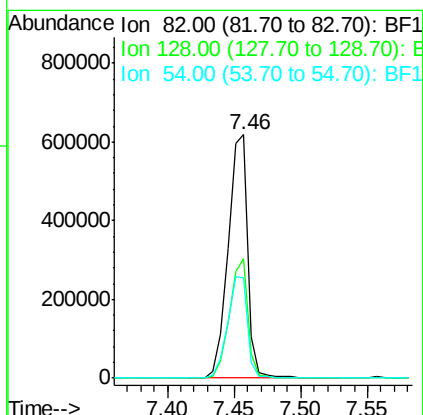
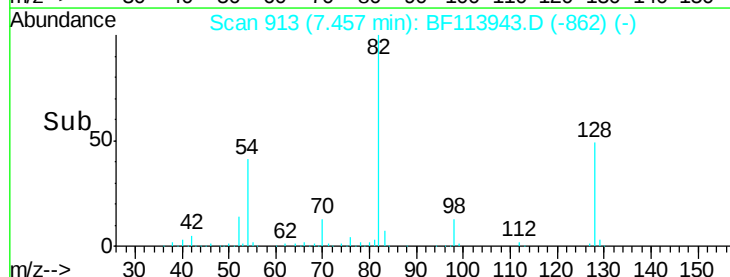
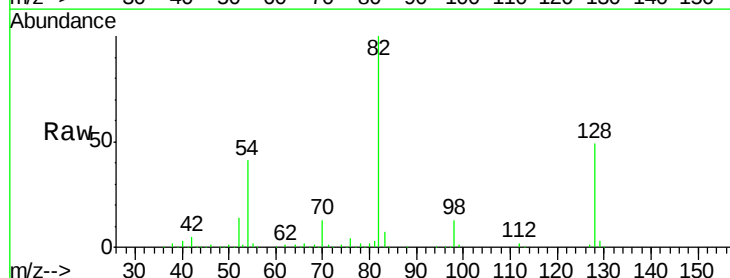
RT: 7.46 min Scan# 913

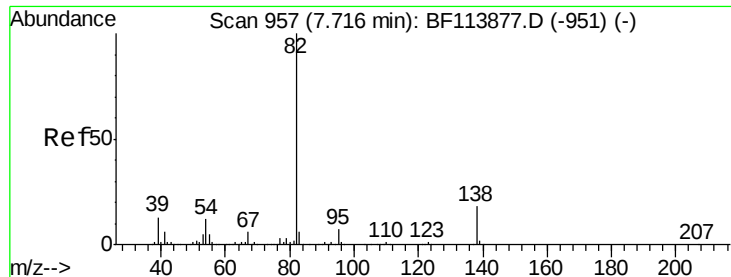
Delta R.T. 0.00 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Tgt Ion: 82	Resp:	643758
Ion Ratio	Lower	Upper
82	100	
128	49.0	36.8 55.2
54	41.1	33.8 50.6





#25

Isophorone

Concen: 47.771 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Instrument :

BNA_F

ClientSampleId :

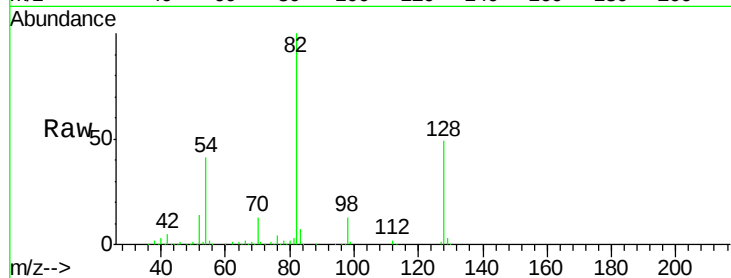
Tot Ion: 82 Resp: 643747

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

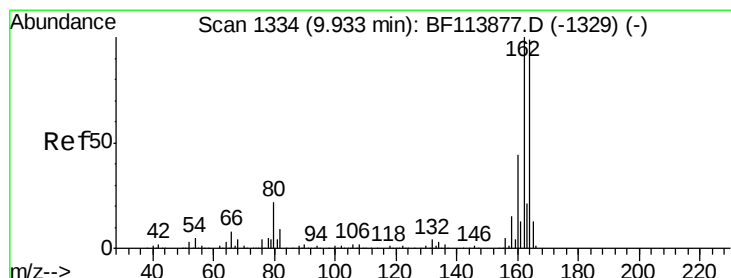
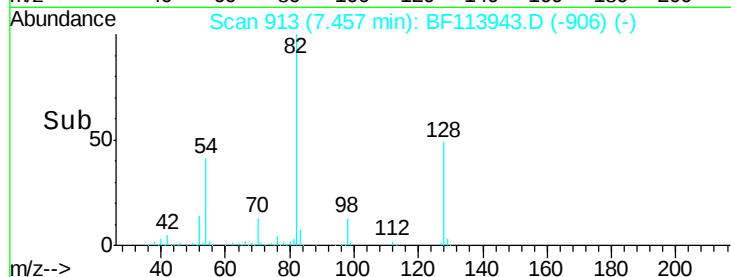
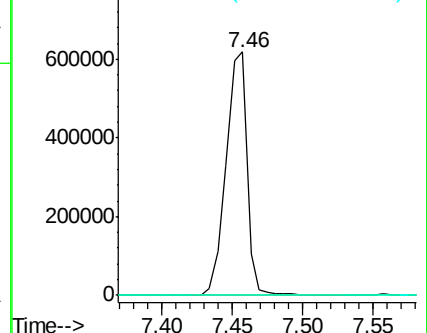
138 0.0 14.6 22.0#



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: BF113943.D

Acq: 24 Apr 2019 2:20

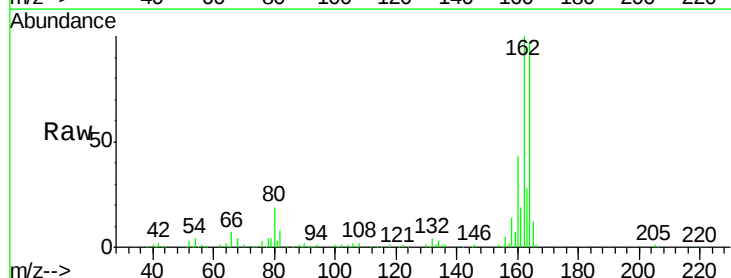
Tgt Ion:164 Resp: 177855

Ion Ratio Lower Upper

164 100

162 102.7 81.1 121.7

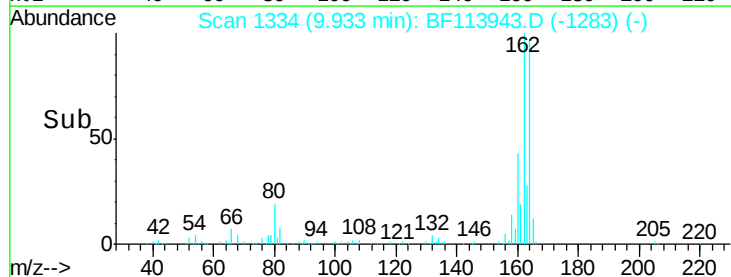
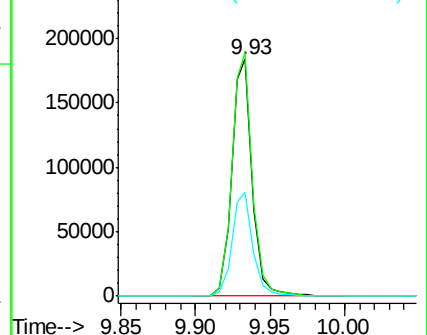
160 44.1 35.8 53.6

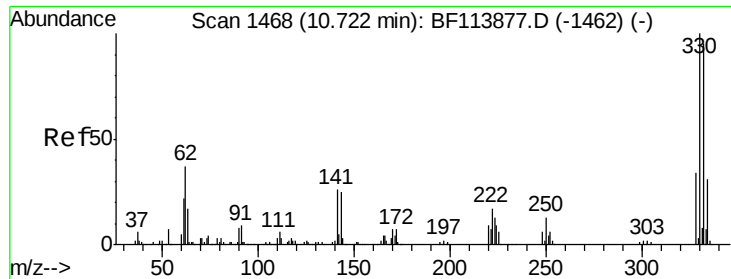


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

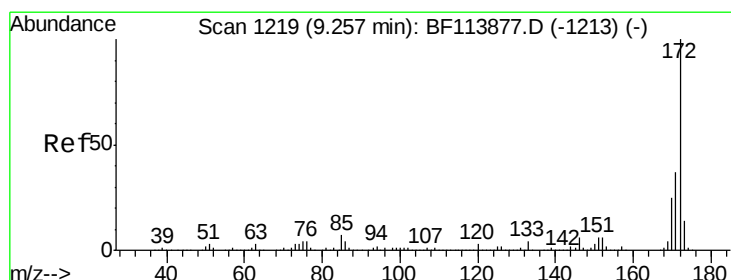
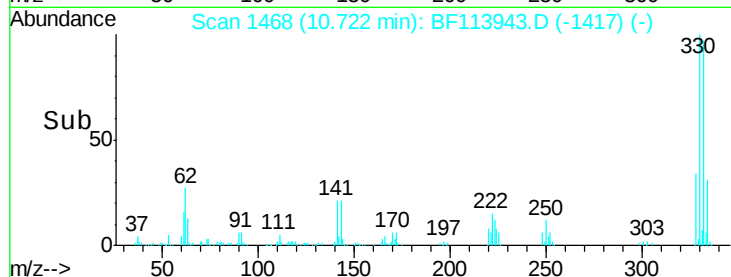
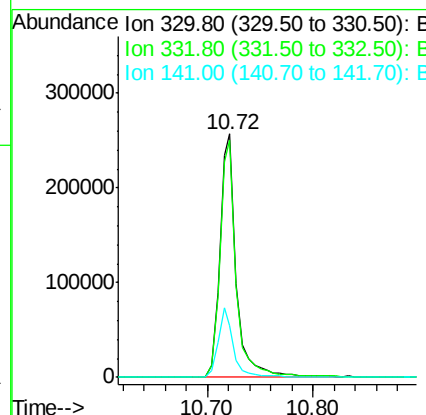
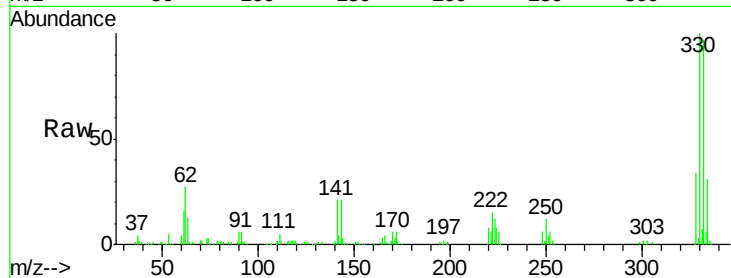




#42
 2,4,6-Tribromophenol
 Concen: 130.606 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

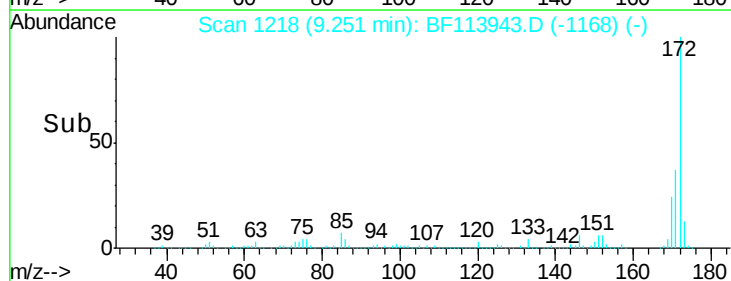
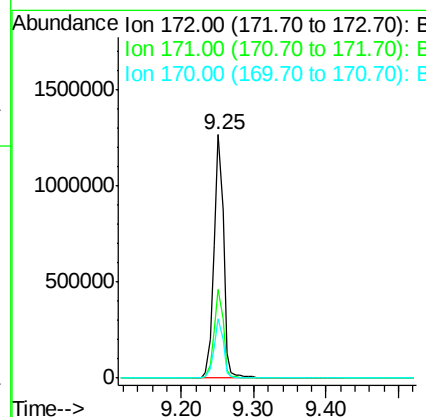
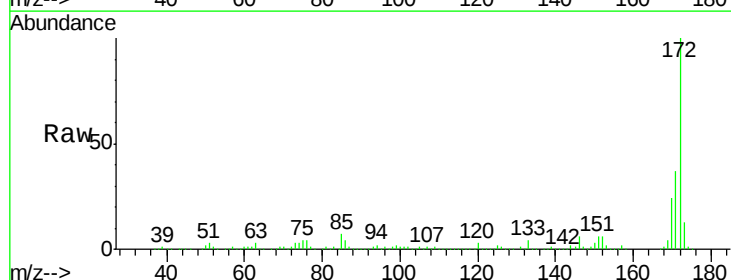
Instrument :
 BNA_F
 ClientSampleId :

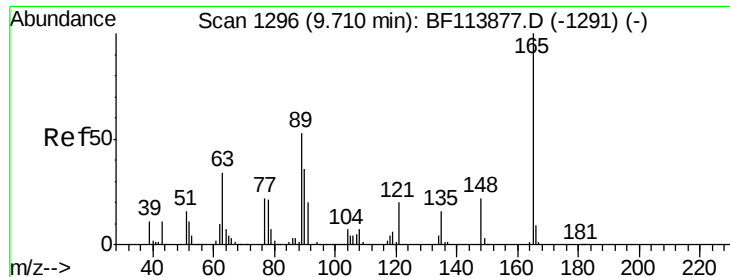
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.5	116.3
141	26.9	22.2	33.2



#45
 2-Fluorobiphenyl
 Concen: 102.790 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.4	19.9	29.9

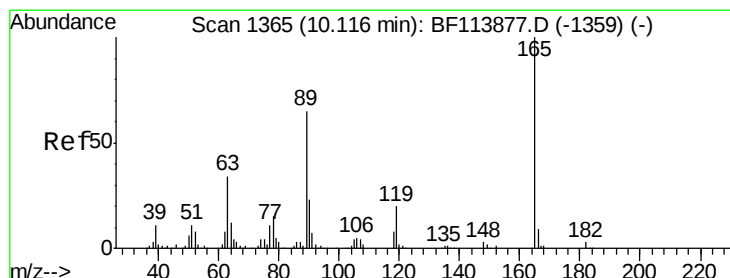
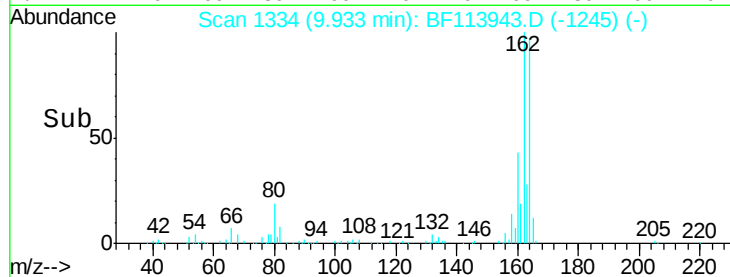
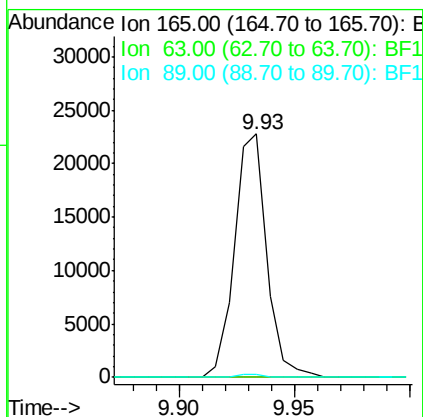
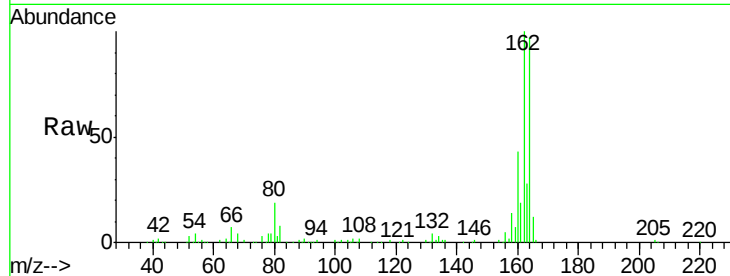




#51
 2,6-Dinitrotoluene
 Concen: 8.026 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

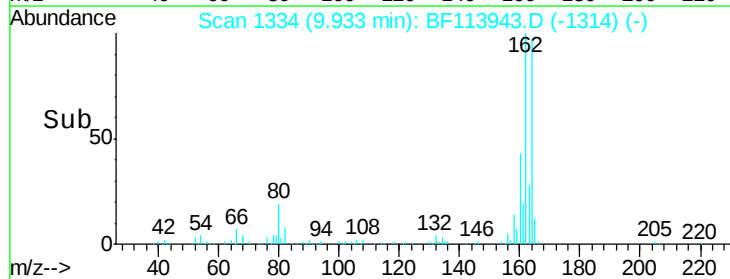
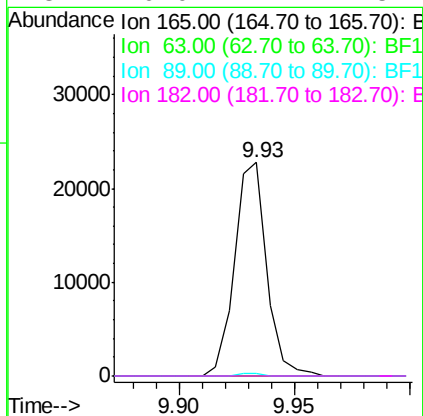
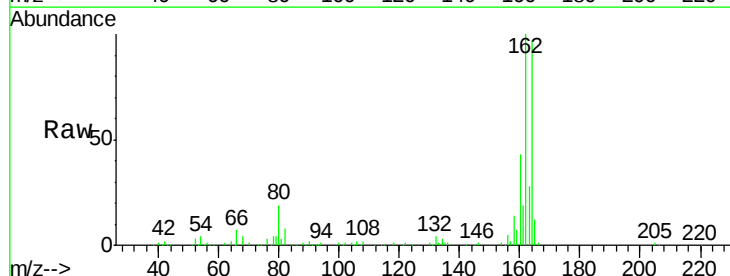
Instrument :
 BNA_F
 ClientSampleId :

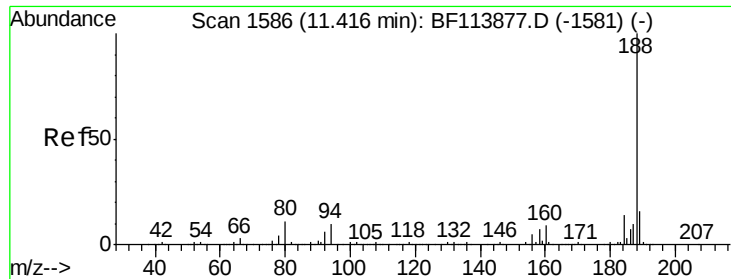
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	1.3	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.358 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

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

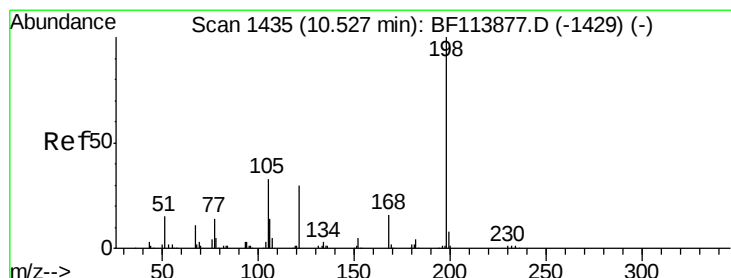
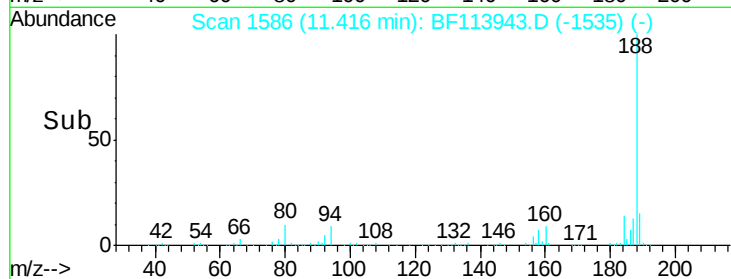
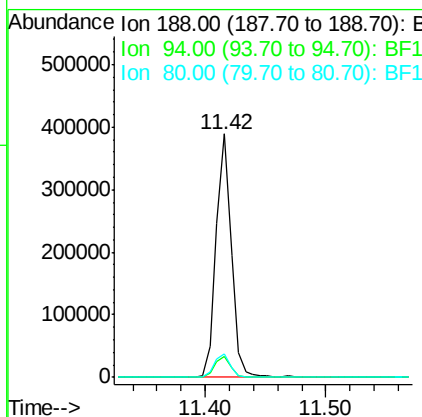
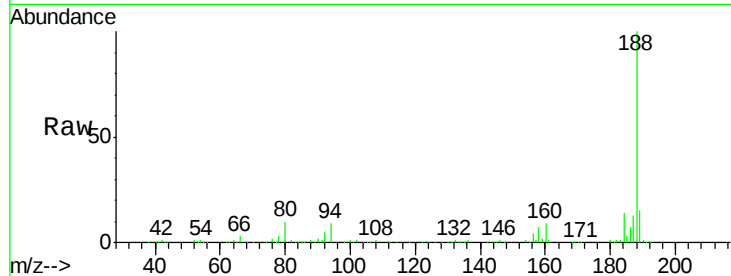




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

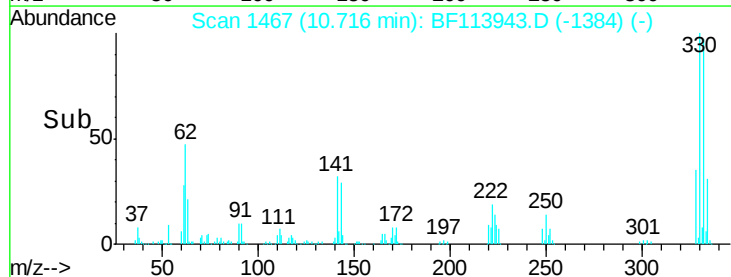
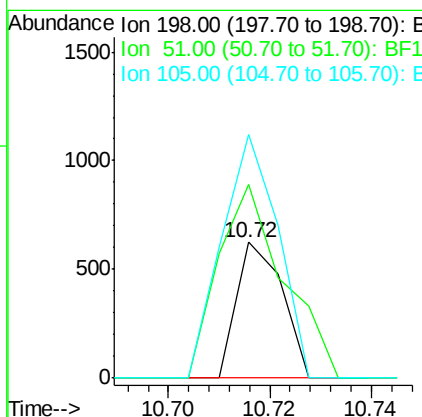
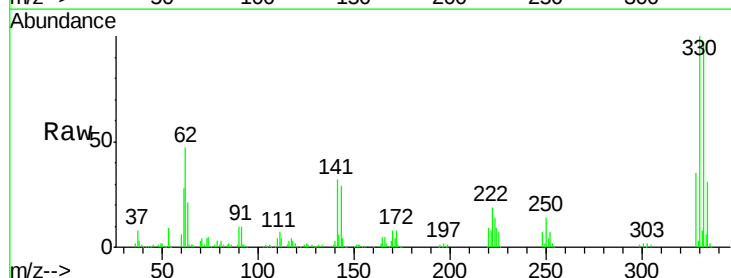
Instrument :
BNA_F
ClientSampleId :

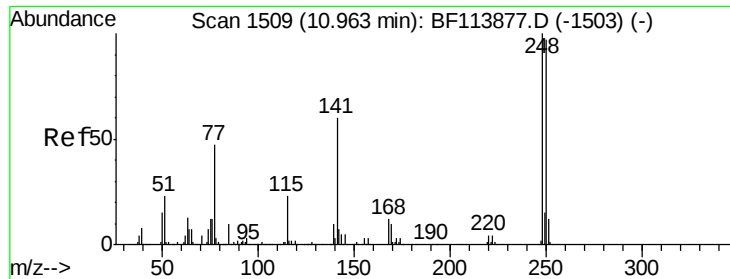
Tot Ion:188 Resp: 335320
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.4
80 9.6 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.523 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

Tgt Ion:198 Resp: 389
Ion Ratio Lower Upper
198 100
51 142.4 11.1 51.1#
105 179.2 20.7 60.7#

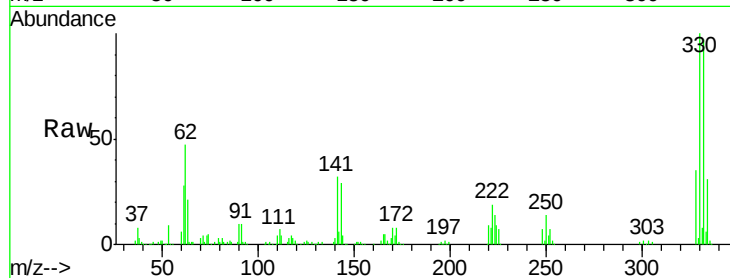




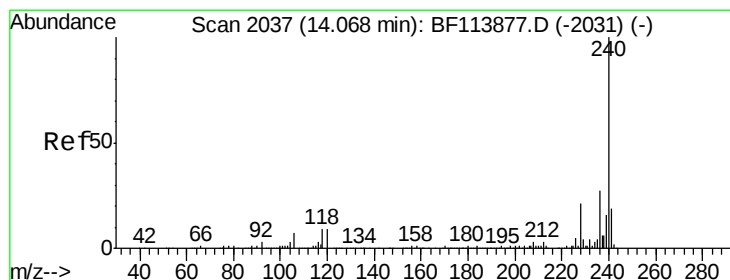
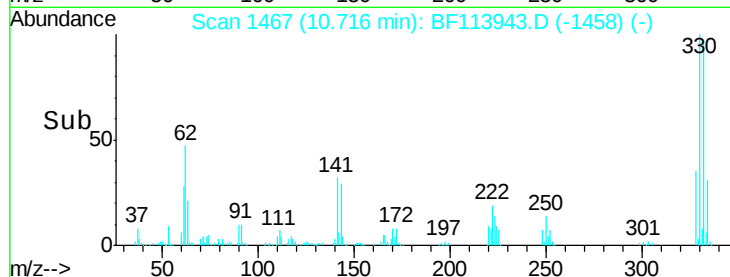
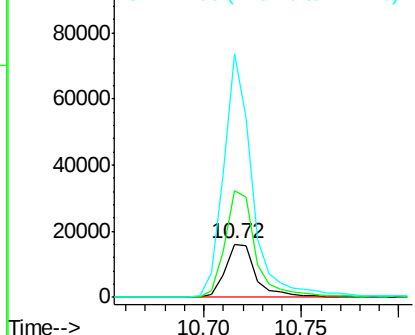
#67
4-Bromophenyl-phenylether
Concen: 4.357 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17651
Ion Ratio Lower Upper
248 100
250 199.9 75.8 113.6#
141 456.0 50.2 75.4#

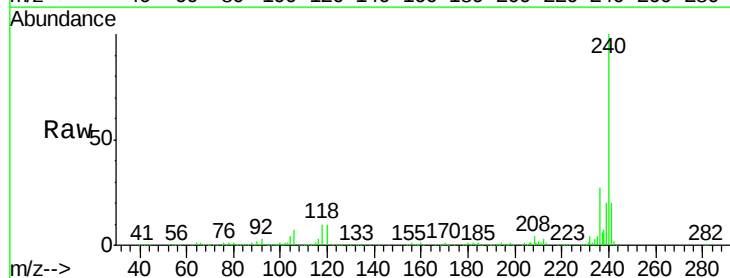


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

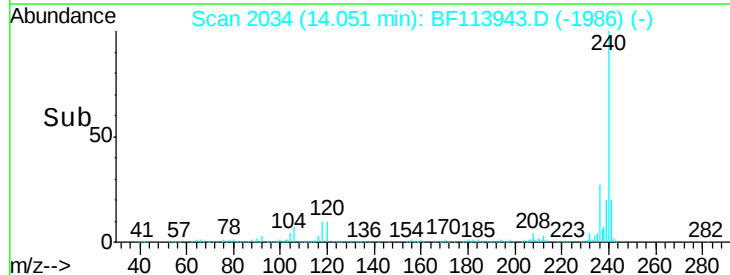
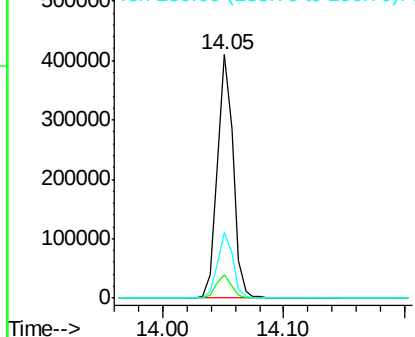


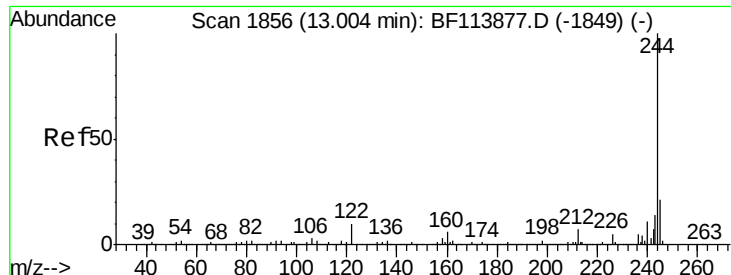
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

Tgt Ion:240 Resp: 362841
Ion Ratio Lower Upper
240 100
120 9.8 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: 80.835 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Instrument :

BNA_F

ClientSampleId :

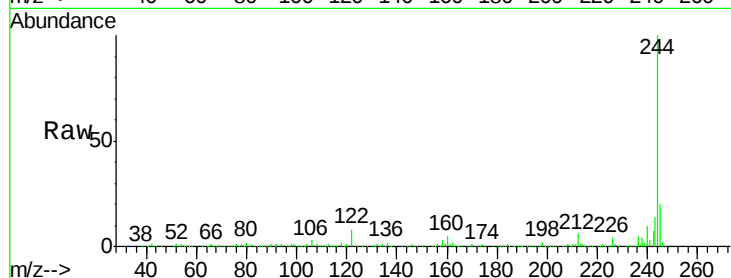
Tot Ion:244 Resp: 1430656

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

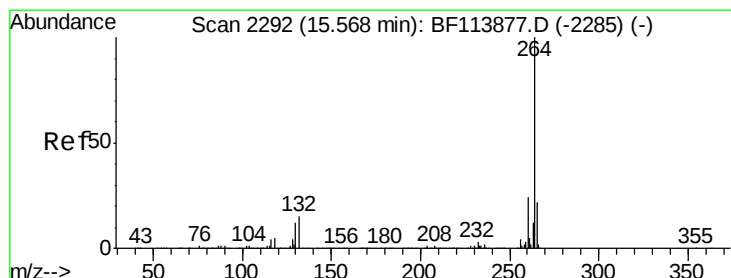
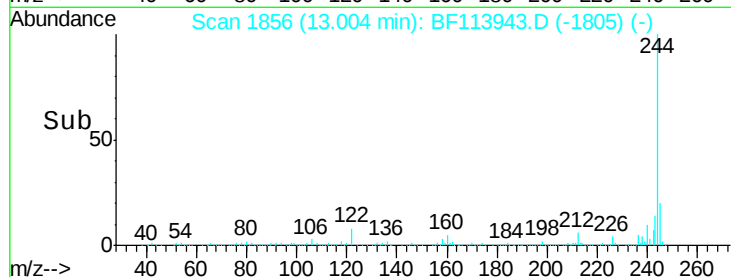
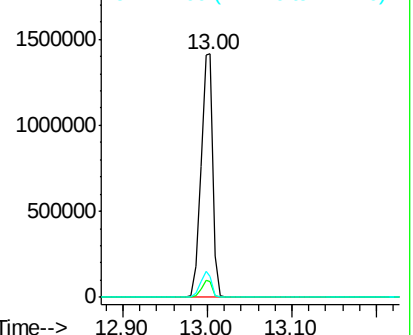
122 8.4 7.6 11.4



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: BF113943.D

Acq: 24 Apr 2019 2:20

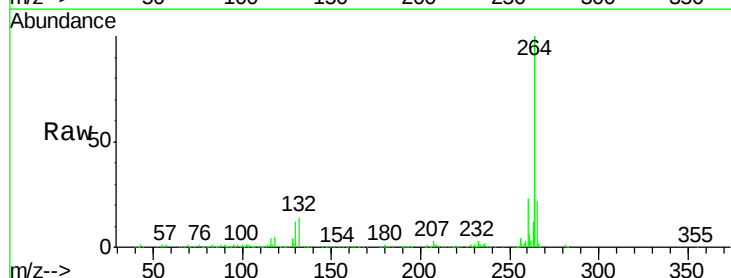
Tgt Ion:264 Resp: 297885

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.7 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

