

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113993.D
 Acq On : 25 Apr 2019 22:13
 Operator : JU/SJ
 Sample : K2566-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:19:14 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

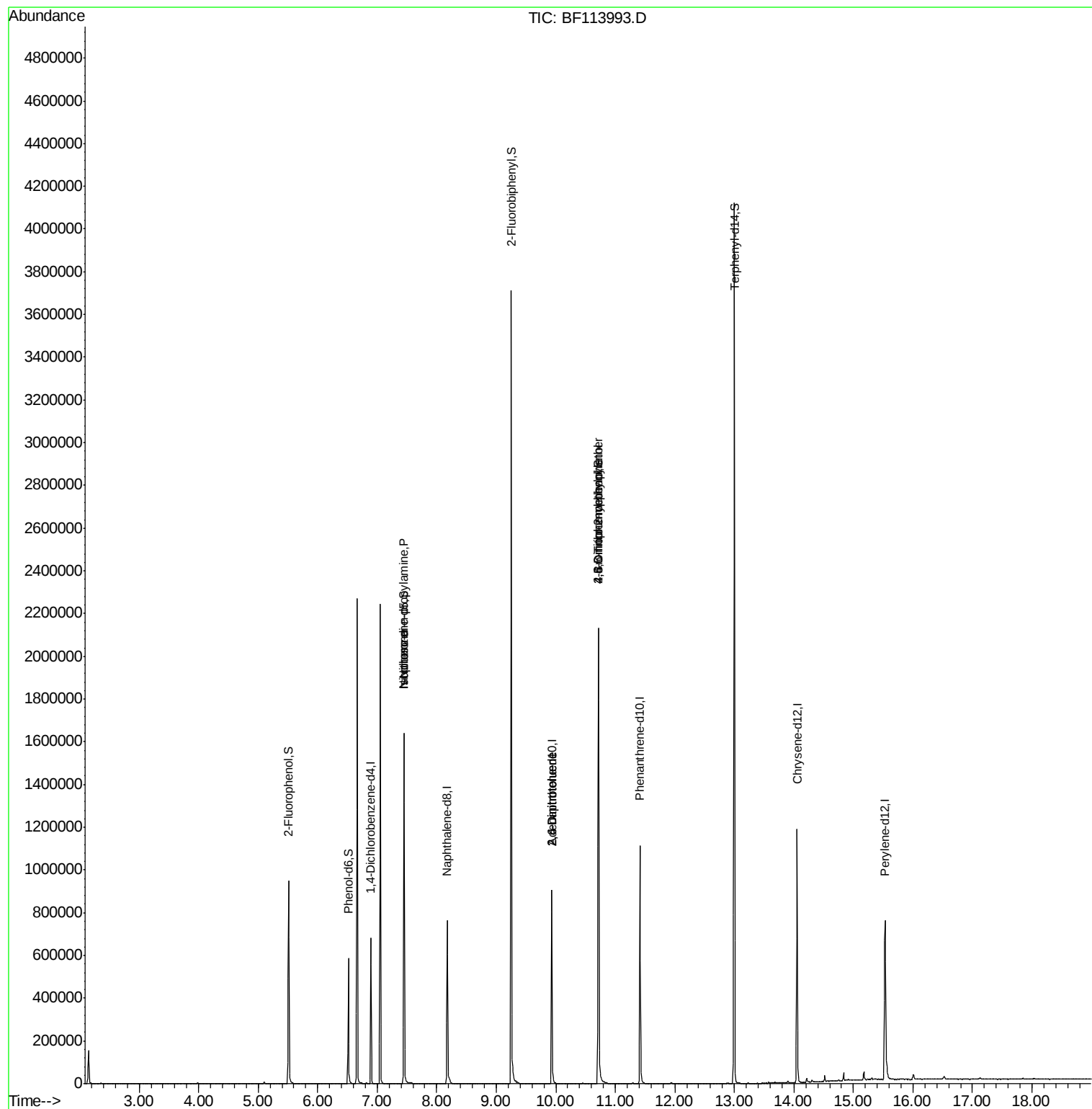
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	102134	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	388833	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	207545	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	440974	20.00	ng	0.00
76) Chrysene-d12	14.05	240	423225	20.00	ng	-0.02
87) Perylene-d12	15.53	264	433322	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	283538	47.48	ng	0.00
7) Phenol-d6	6.52	99	218888	29.22	ng	0.00
23) Nitrobenzene-d5	7.45	82	567373	90.09	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	333904	132.07	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1182189	89.09	ng	0.00
79) Terphenyl-d14	13.00	244	1652547	80.05	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	12725	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.45	70	73831	15.217 ng	#	79
25) Isophorone	7.45	82	567363	44.030 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	25834	8.022 ng	#	32
57) 2,4-Dinitrotoluene	9.93	165	25834	6.356 ng	#	28
65) 4,6-Dinitro-2-methylphenol	10.72	198	643	7.578 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	21201	3.980 ng	#	1

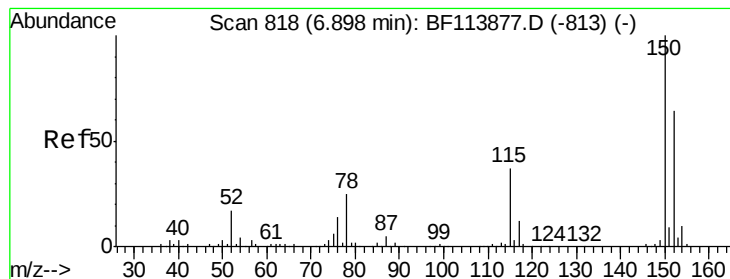
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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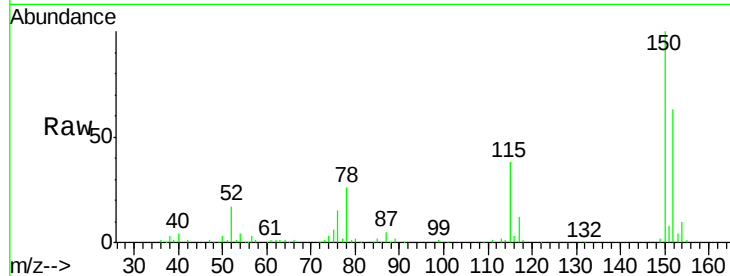


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	59.8	45.9	68.9

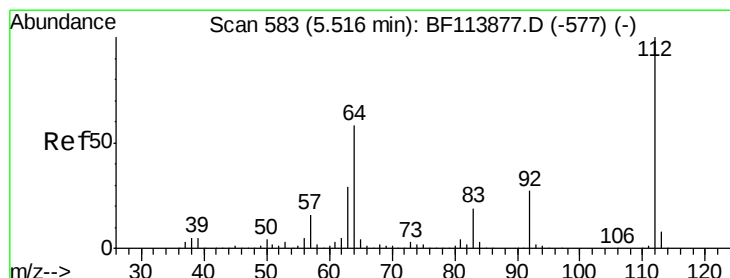
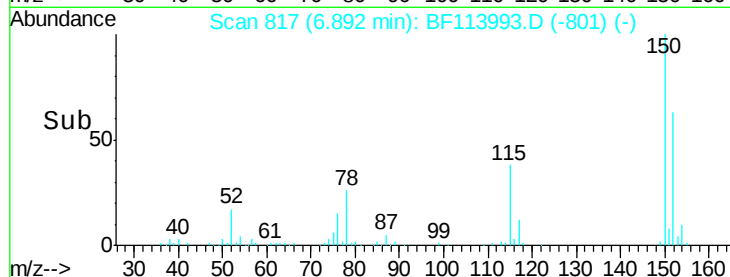
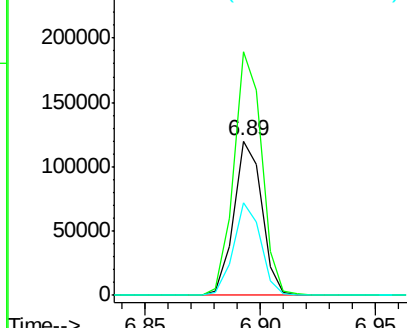


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

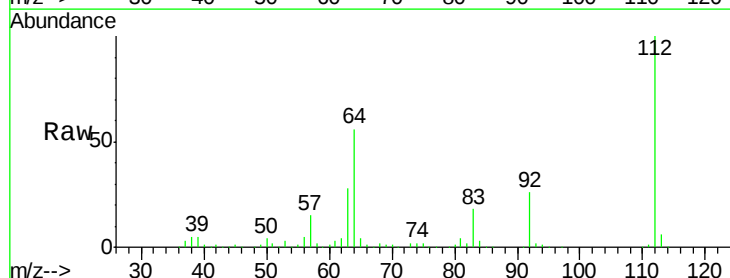
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 47.482 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.6	69.8
63	28.3	23.1	34.7

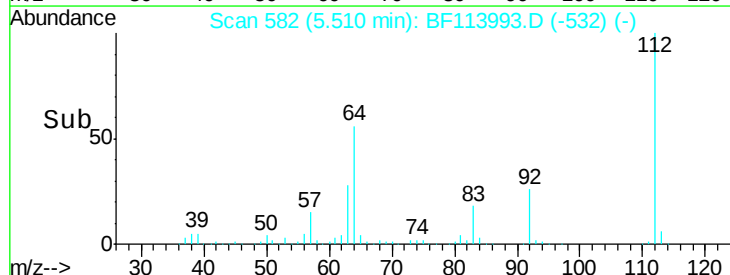
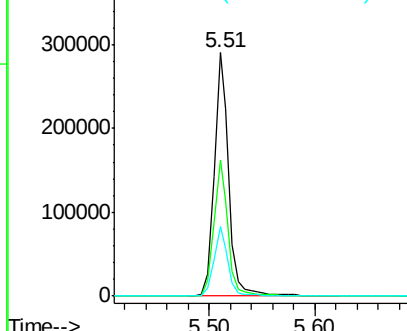


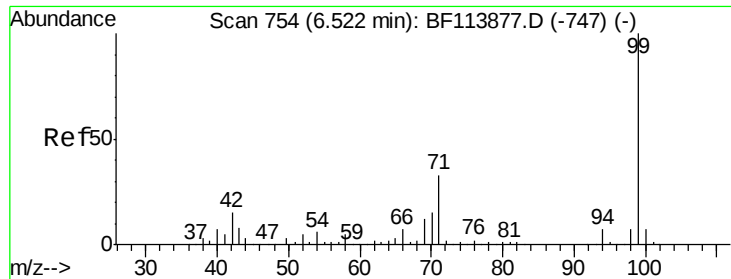
Abundance

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: 29.216 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113993.D

Acq: 25 Apr 2019 22:13

Instrument :

BNA_F

ClientSampleId :

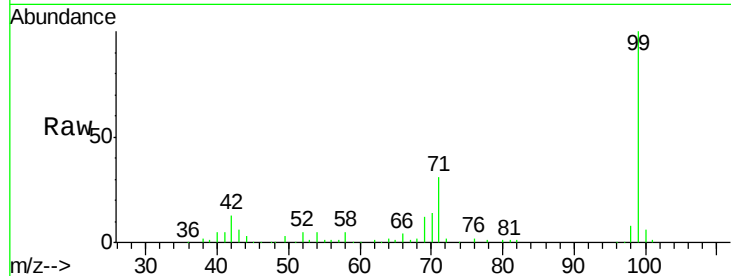
Tot Ion: 99 Resp: 218888

Ion Ratio Lower Upper

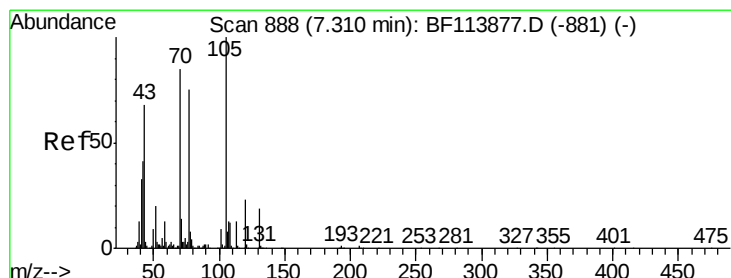
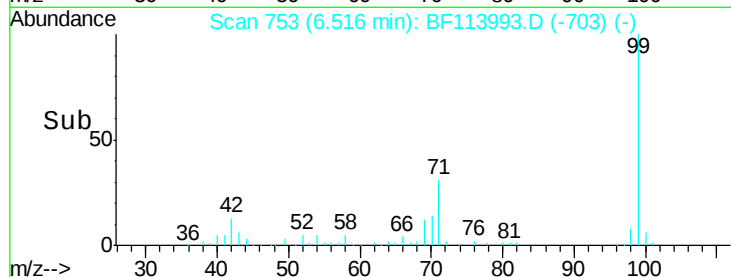
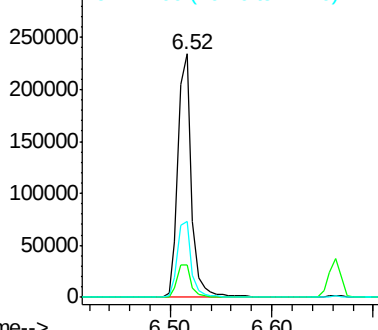
99 100

42 13.1 12.5 18.7

71 31.4 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: 15.217 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113993.D

Acq: 25 Apr 2019 22:13

Tgt Ion: 70 Resp: 73831

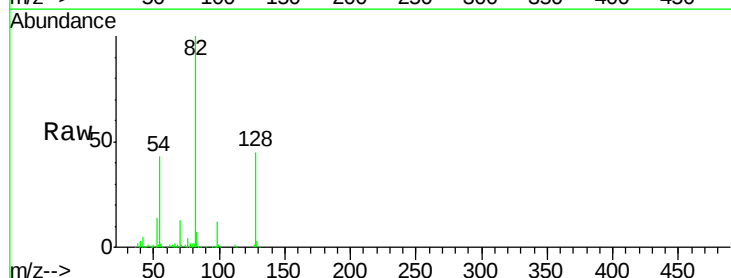
Ion Ratio Lower Upper

70 100

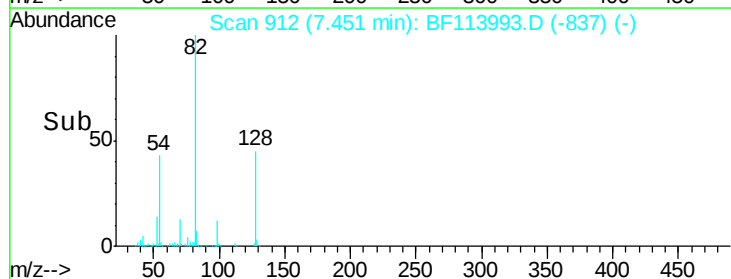
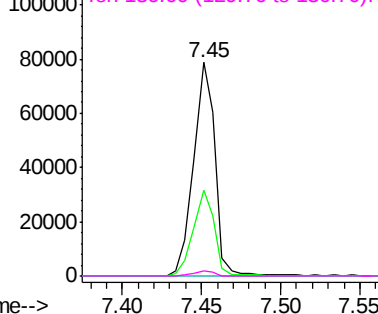
42 40.3 37.3 55.9

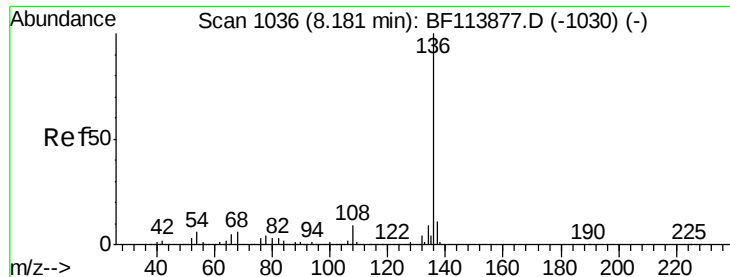
101 0.0 7.8 11.8#

130 2.2 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

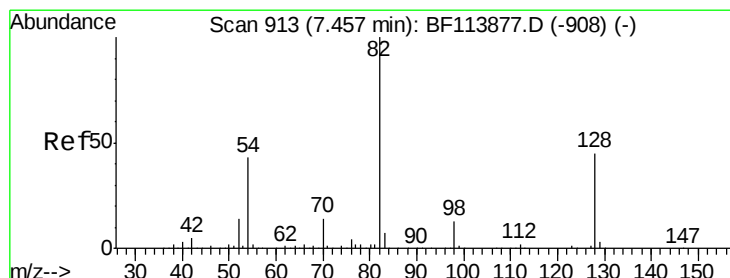
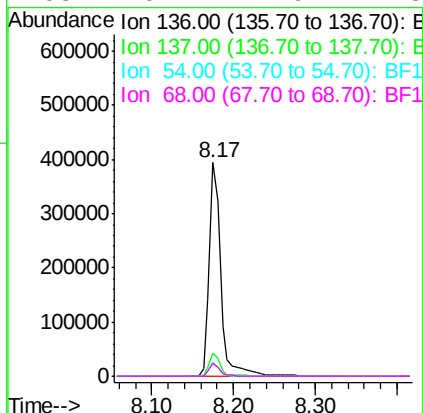
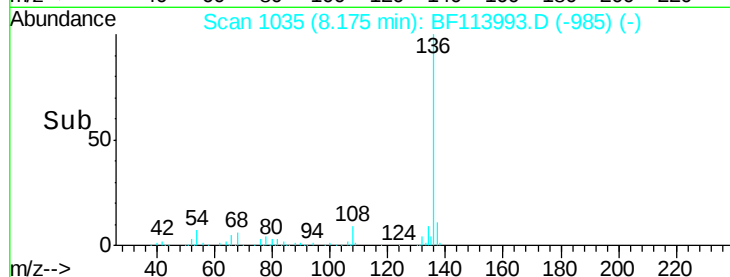
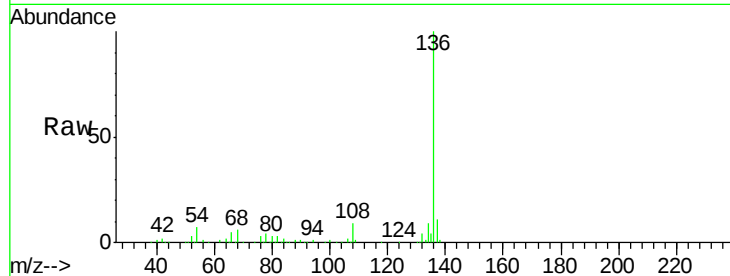




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113993.D
Acq: 25 Apr 2019 22:13

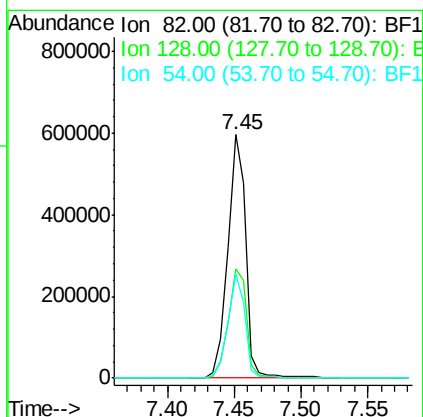
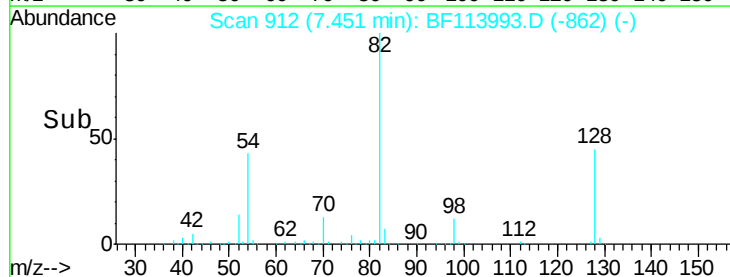
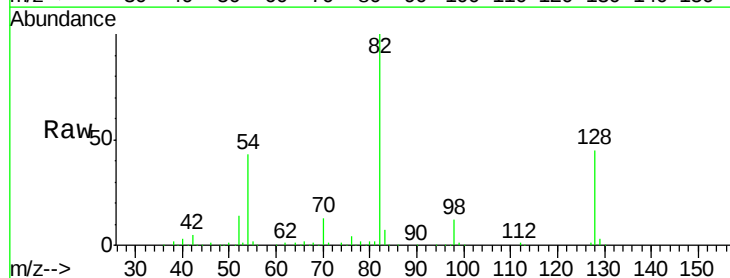
Instrument :
BNA_F
ClientSampleId :

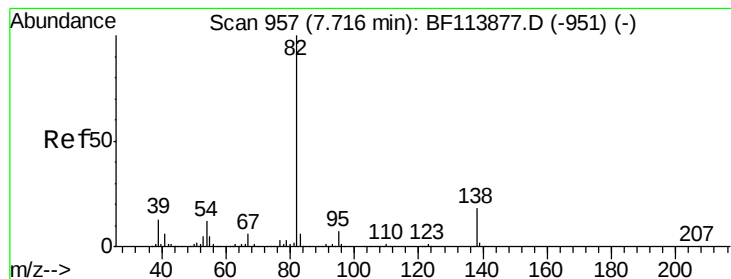
Tot Ion:136	Resp:	388833
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.6	12.8
54 6.5	5.0	7.6
68 6.2	4.9	7.3



#23
Nitrobenzene-d5
Concen: 90.095 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113993.D
Acq: 25 Apr 2019 22:13

Tgt Ion: 82	Resp: 567373
Ion Ratio	Lower Upper
82 100	
128 44.8	36.8 55.2
54 42.7	33.8 50.6





#25

Isophorone

Concen: 44.030 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113993.D

Acq: 25 Apr 2019 22:13

Instrument :

BNA_F

ClientSampleId :

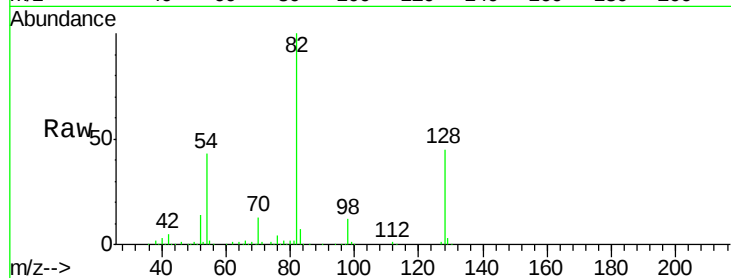
Tot Ion: 82 Resp: 567363

Ion Ratio Lower Upper

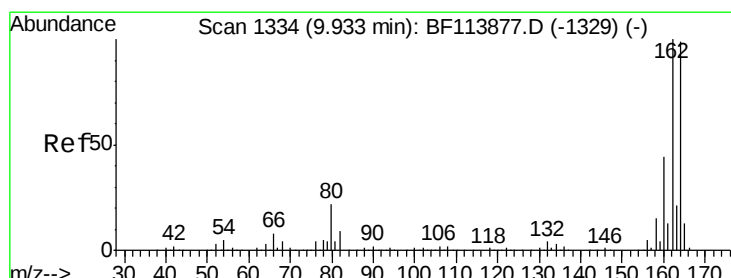
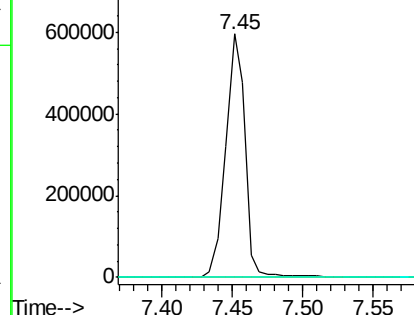
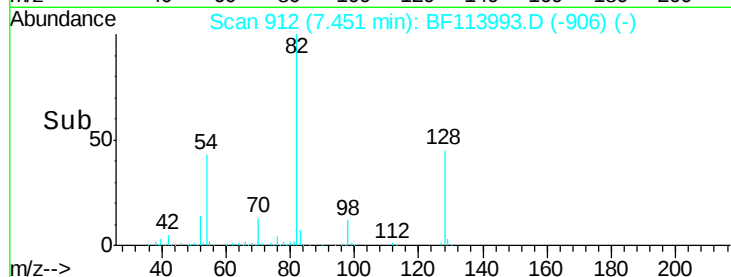
82 100

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: BF113993.D

Acq: 25 Apr 2019 22:13

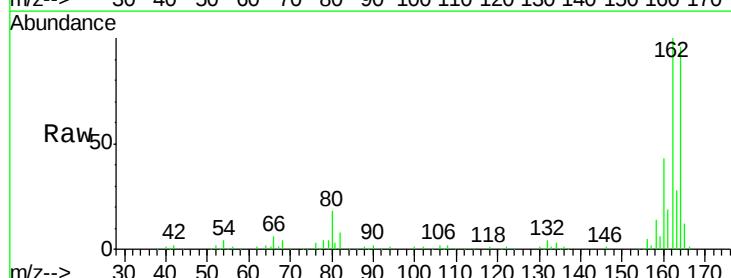
Tgt Ion: 164 Resp: 207545

Ion Ratio Lower Upper

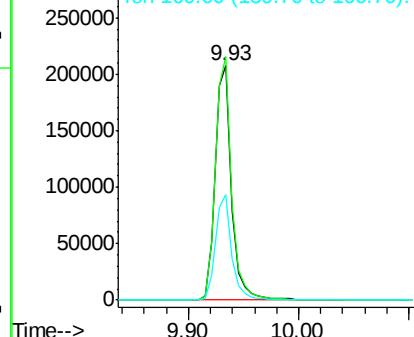
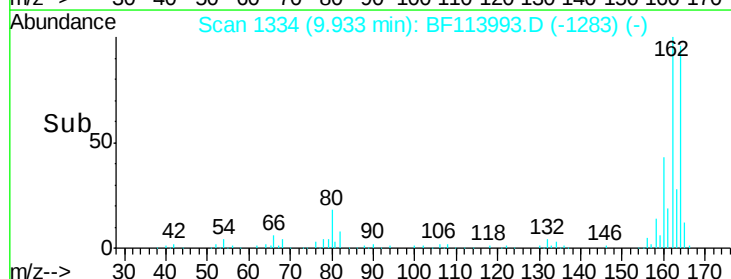
164 100

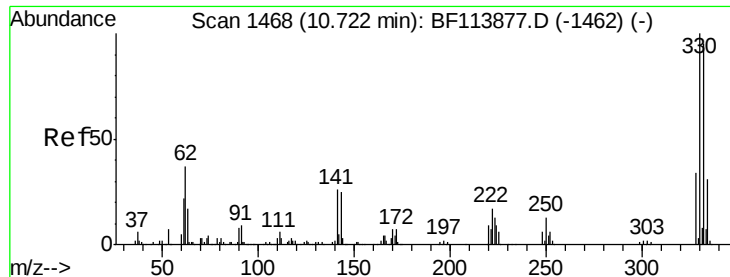
162 103.8 81.1 121.7

160 44.7 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

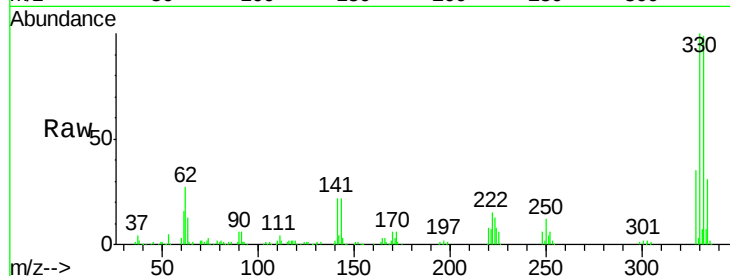




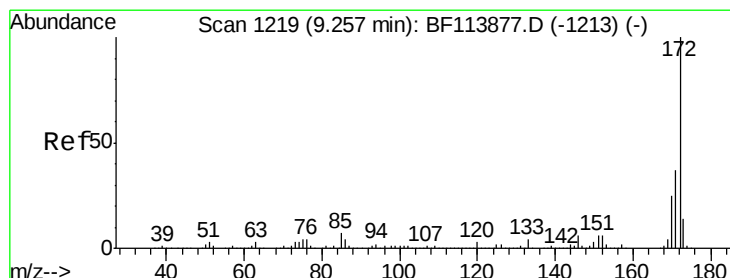
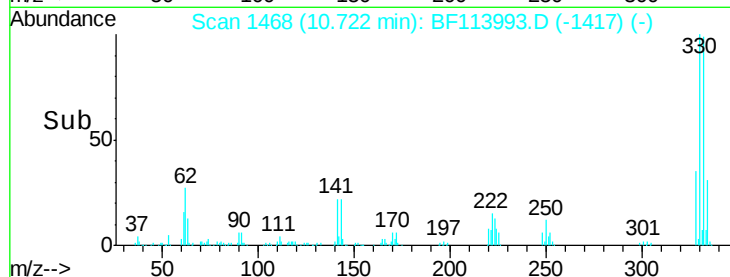
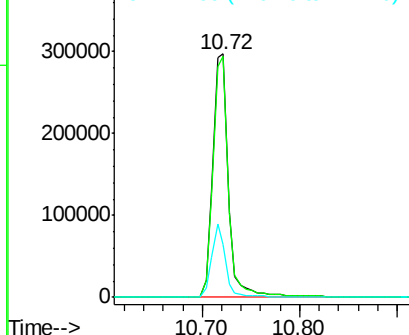
#42
 2,4,6-Tribromophenol
 Concen: 132.065 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.5	116.3
141	27.0	22.2	33.2

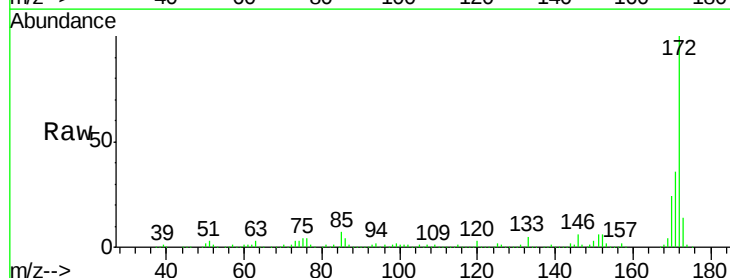


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

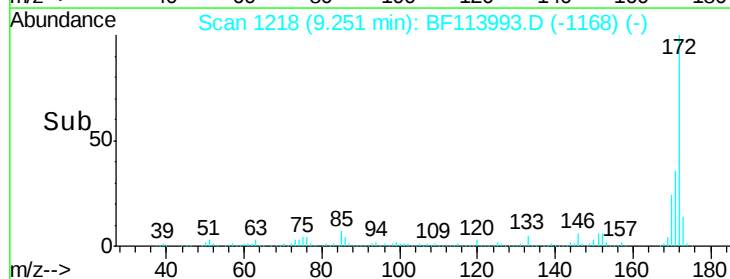
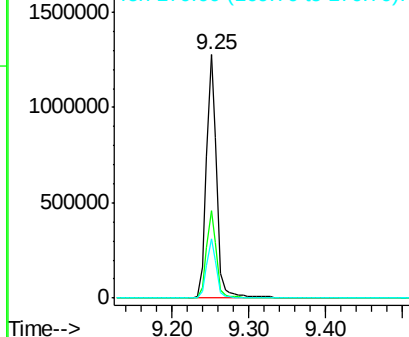


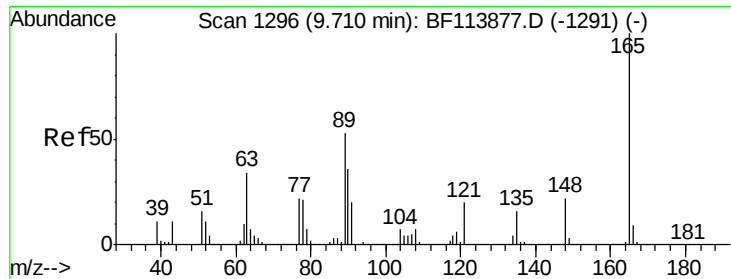
#45
 2-Fluorobiphenyl
 Concen: 89.088 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.4	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

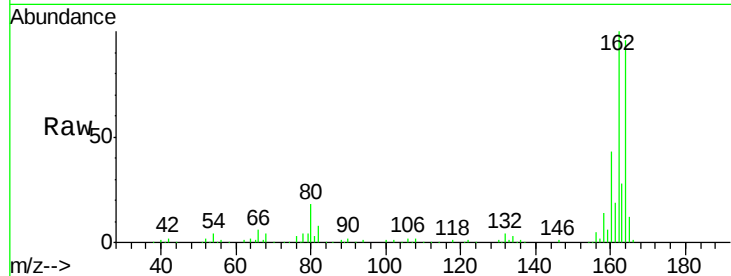




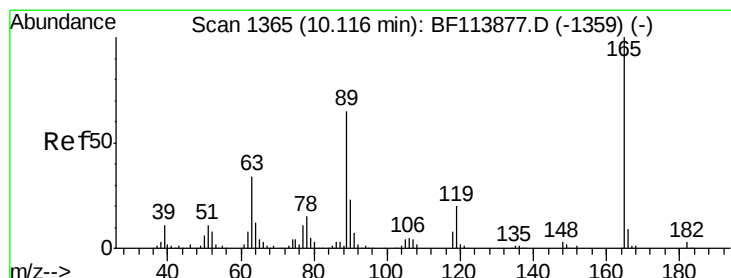
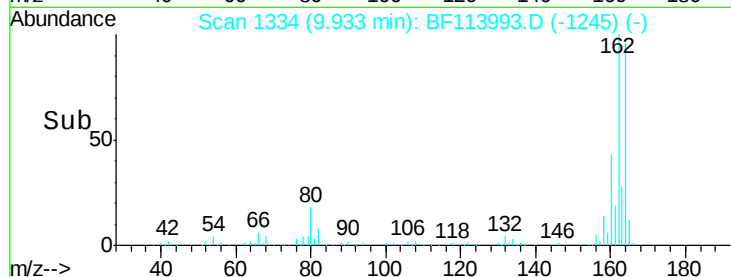
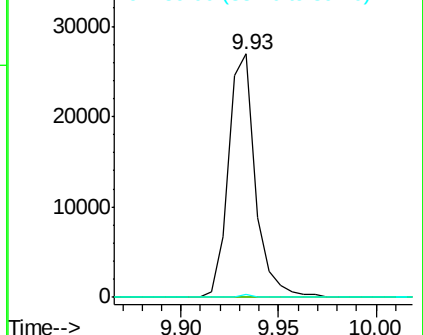
#51
 2,6-Dinitrotoluene
 Concen: 8.022 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

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#

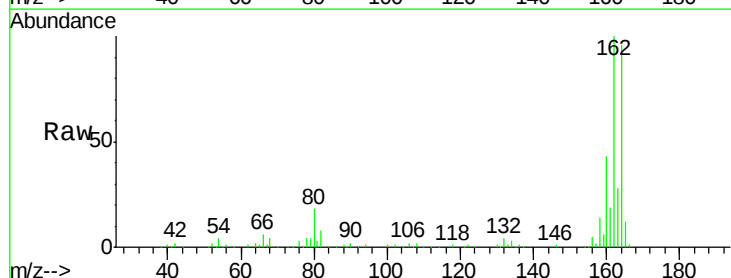


Abundance Ion 165.00 (164.70 to 165.70): E

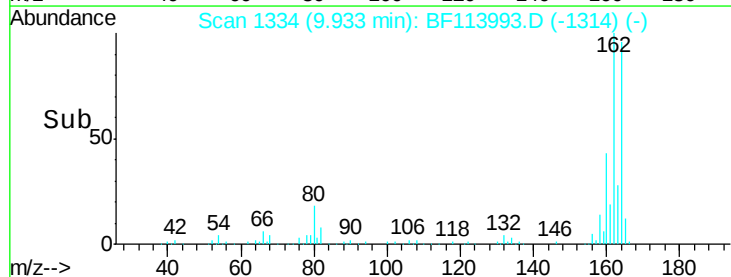
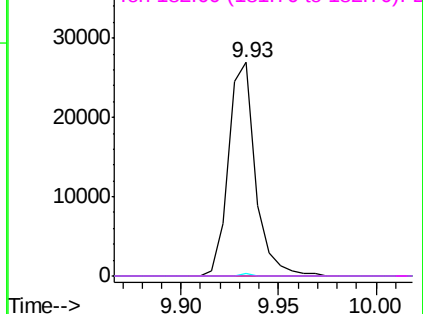


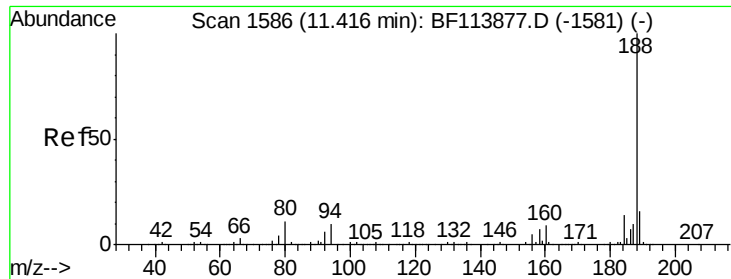
#57
 2,4-Dinitrotoluene
 Concen: 6.356 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

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#



Abundance Ion 165.00 (164.70 to 165.70): E

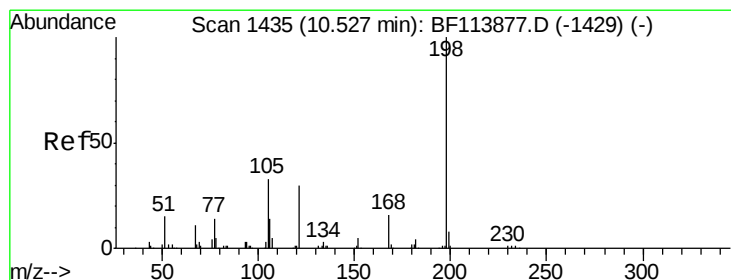
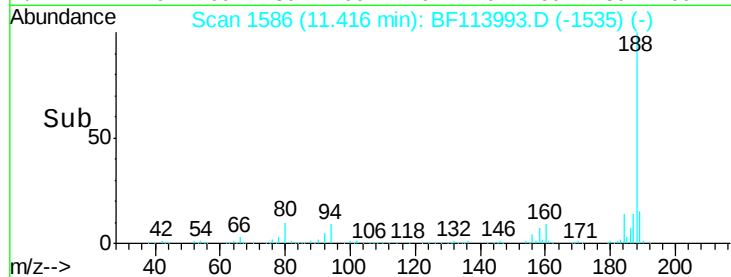
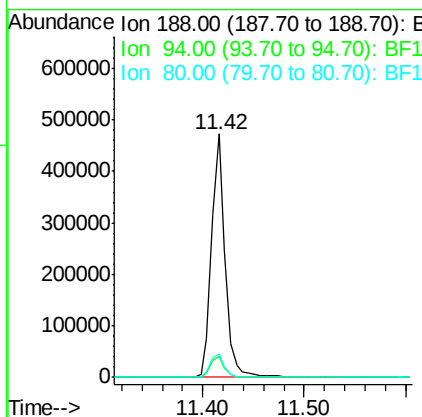
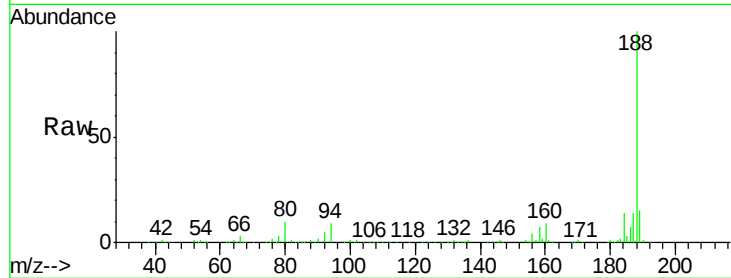




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

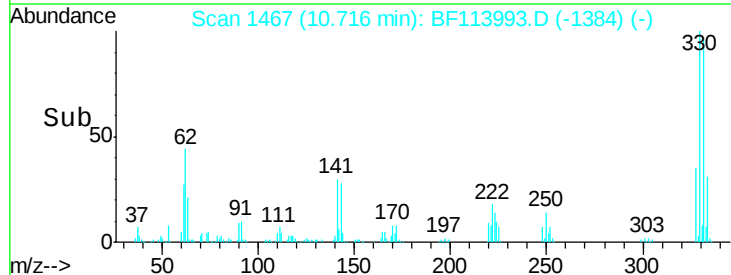
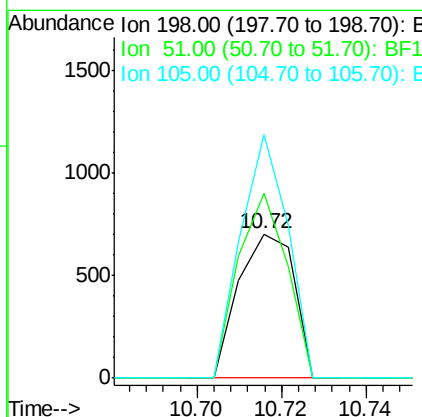
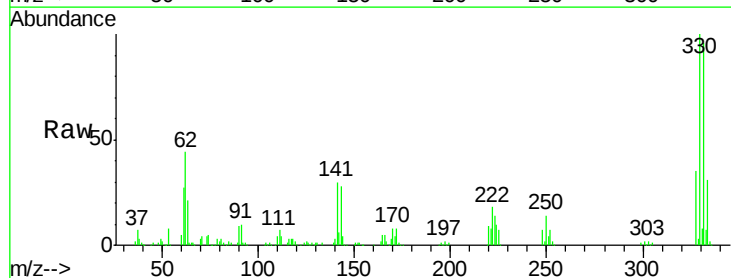
Instrument :
 BNA_F
 ClientSampleId :

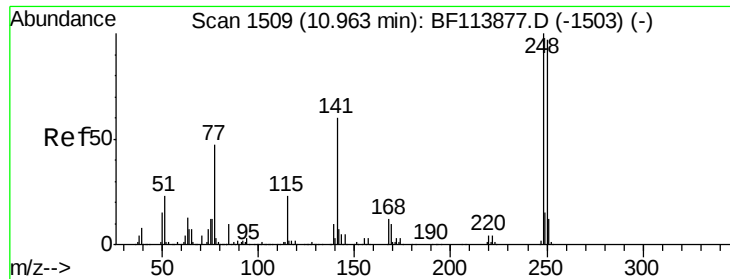
Tot Ion:188 Resp: 440974
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.2 12.4
 80 9.9 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.578 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Tgt Ion:198 Resp: 643
 Ion Ratio Lower Upper
 198 100
 51 128.1 11.1 51.1#
 105 168.7 20.7 60.7#

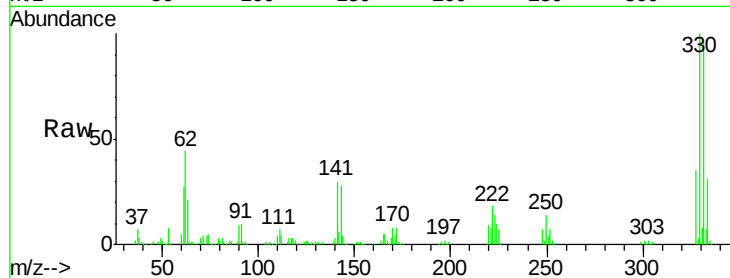




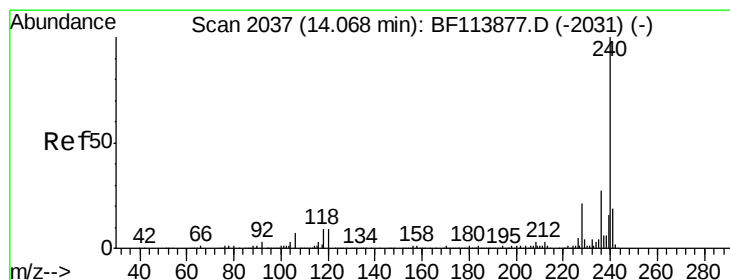
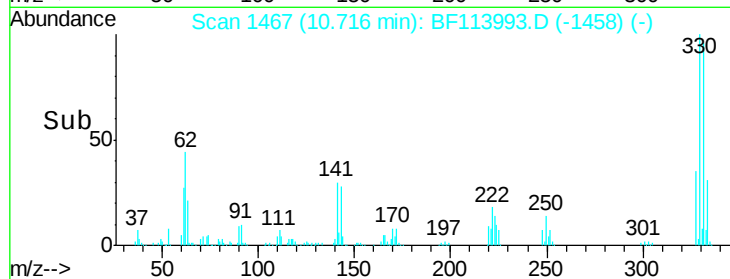
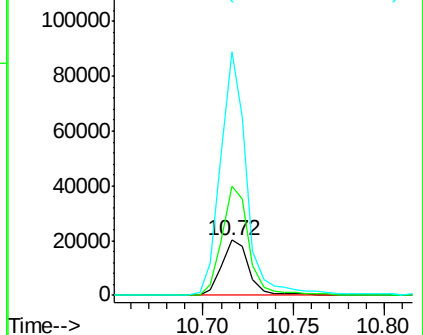
#67
 4-Bromophenyl-phenylether
 Concen: 3.980 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 21201
 Ion Ratio Lower Upper
 248 100
 250 199.6 75.8 113.6#
 141 443.8 50.2 75.4#

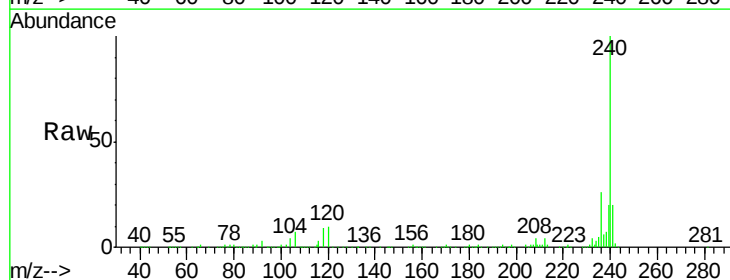


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

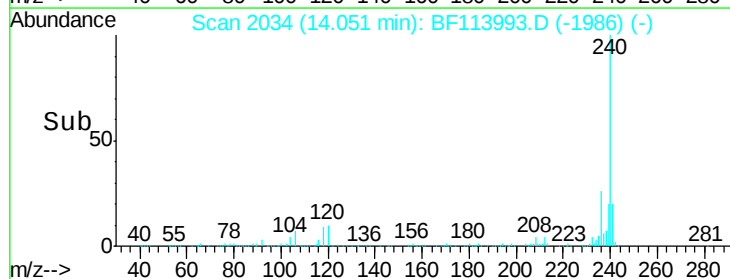
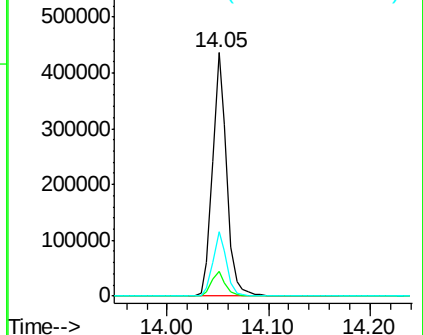


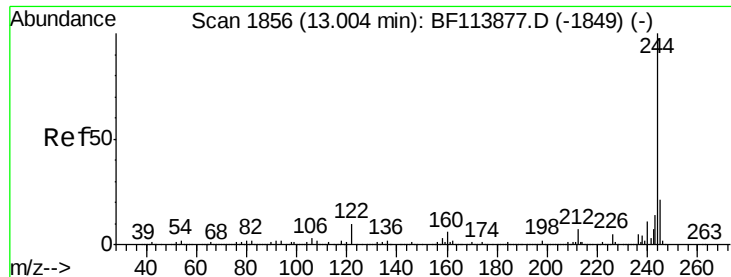
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113993.D
 Acq: 25 Apr 2019 22:13

Tgt Ion:240 Resp: 423225
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.3 13.9
 236 26.2 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: 80.051 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF113993.D

Acq: 25 Apr 2019 22:13

Instrument :

BNA_F

ClientSampleId :

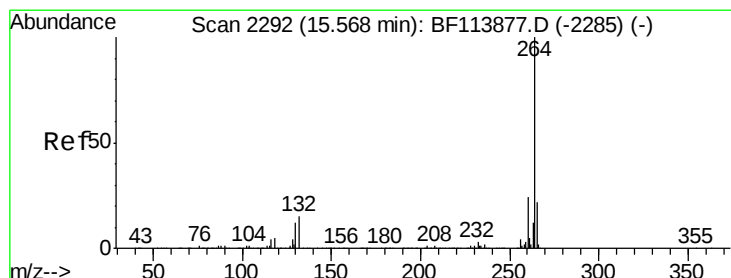
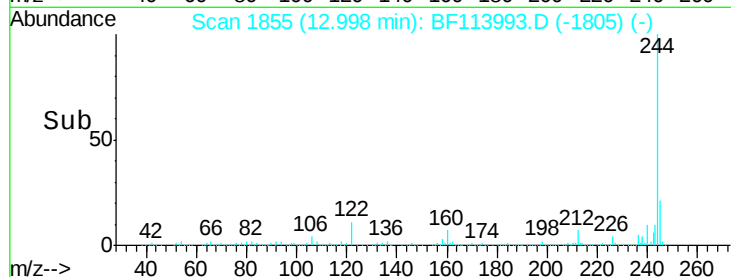
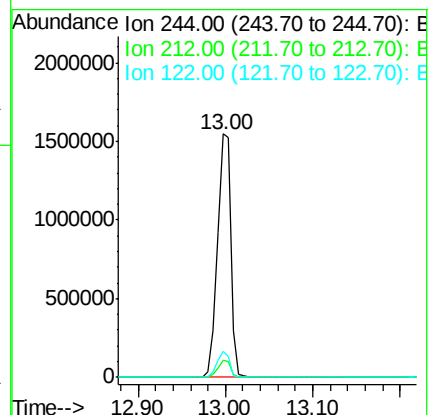
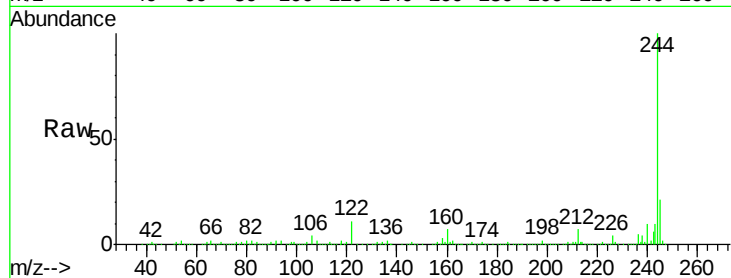
Tot Ion:244 Resp: 1652547

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.9 7.6 11.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113993.D

Acq: 25 Apr 2019 22:13

Tgt Ion:264 Resp: 433322

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.2 17.3 25.9

