

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113920.D
 Acq On : 23 Apr 2019 15:14
 Operator : JU/SJ
 Sample : K2199-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 16:08:41 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	143160	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	536988	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	279214	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	528978	20.00	ng	0.00
76) Chrysene-d12	14.06	240	325259	20.00	ng	-0.01
87) Perylene-d12	15.55	264	376190	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	927528	110.81	ng	0.02
7) Phenol-d6	6.53	99	1054199	100.39	ng	0.00
23) Nitrobenzene-d5	7.46	82	841122	96.71	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	464563	136.58	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1629119	91.26	ng	0.00
79) Terphenyl-d14	13.00	244	1752427	110.46	ng	0.00

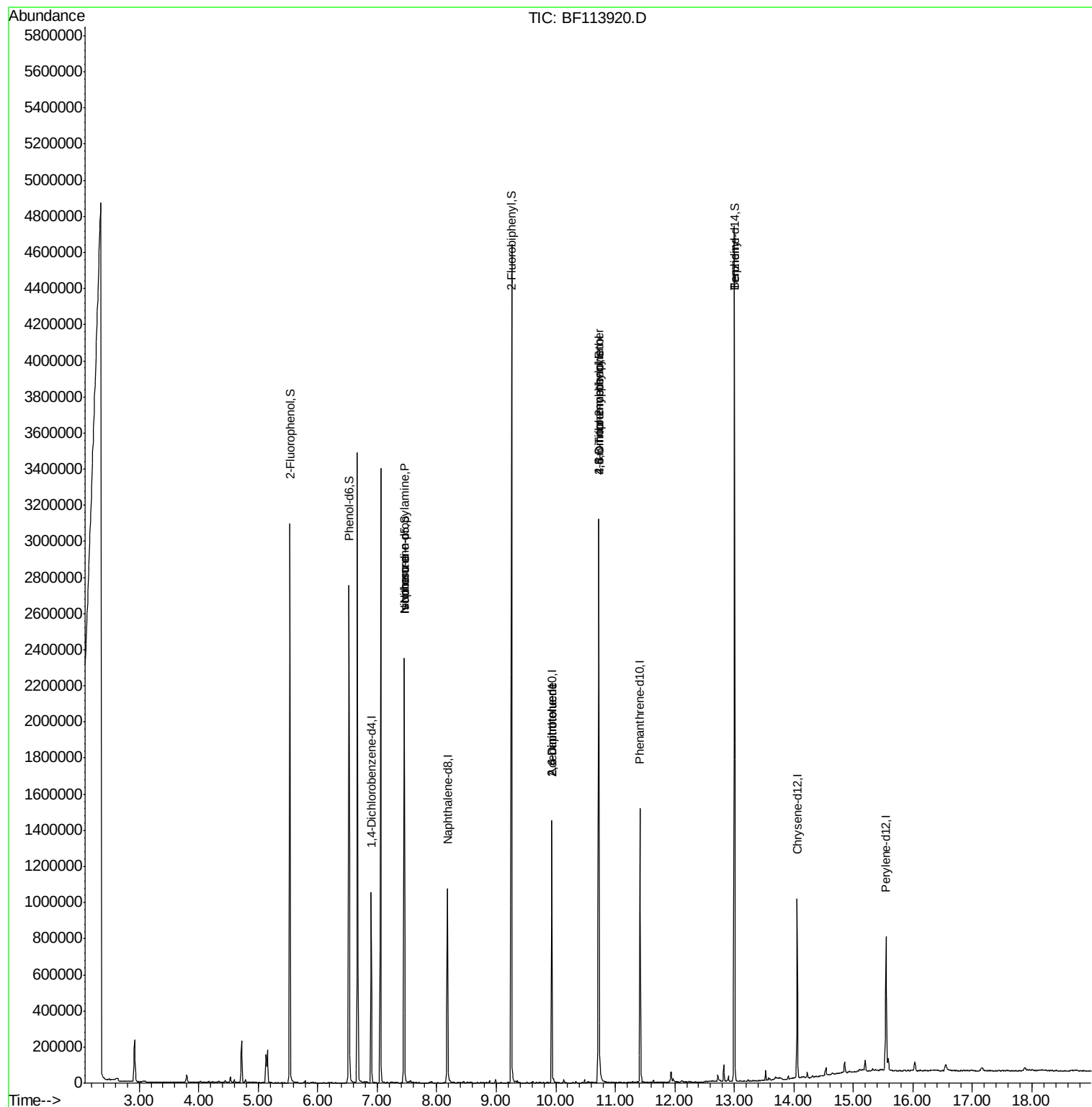
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	24635	Below Cal		80
19) n-Nitroso-di-n-propylamine	7.46	70	114308	16.809 ng	#	76
25) Isophorone	7.46	82	835688	46.961 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	36415	8.406 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	36415	6.659 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	924	7.631 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	28532	4.465 ng	#	1
77) Benzidine	13.00	184	19593	2.022 ng	#	92

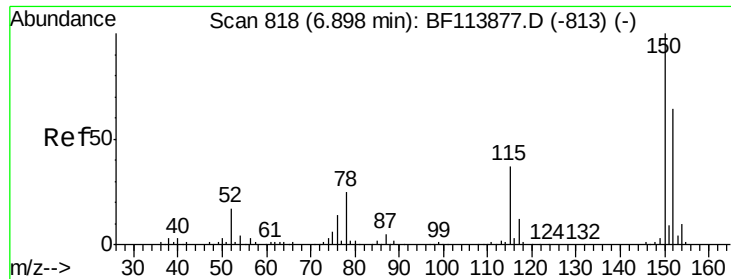
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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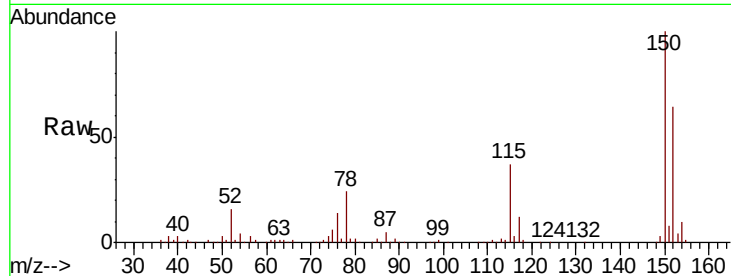


#1

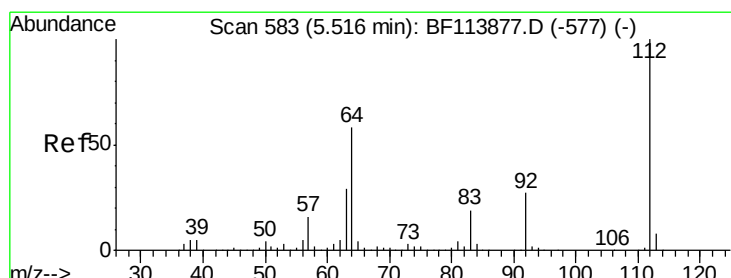
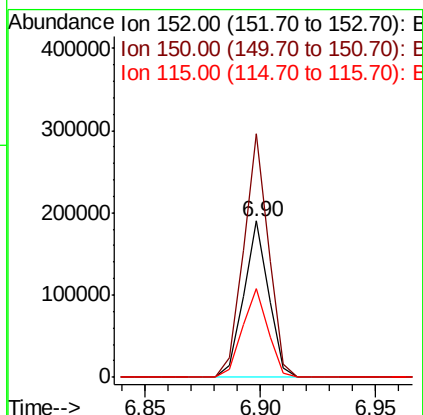
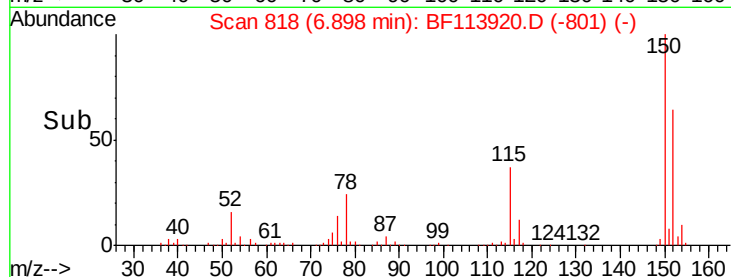
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143160
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 57.1 45.9 68.9



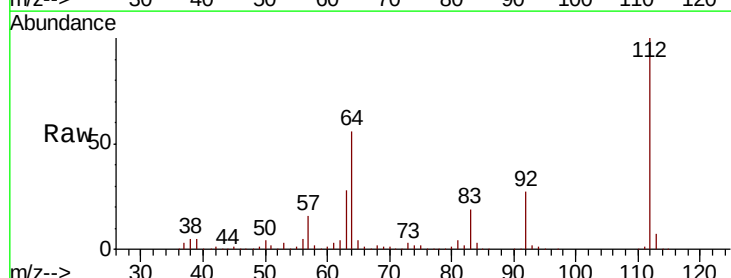
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



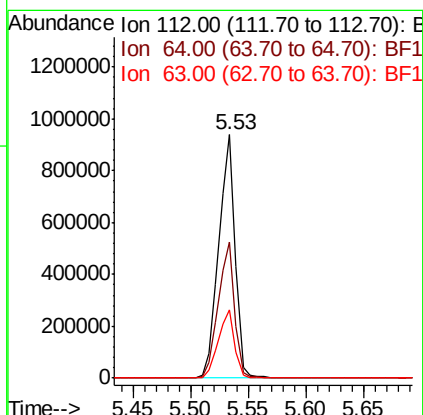
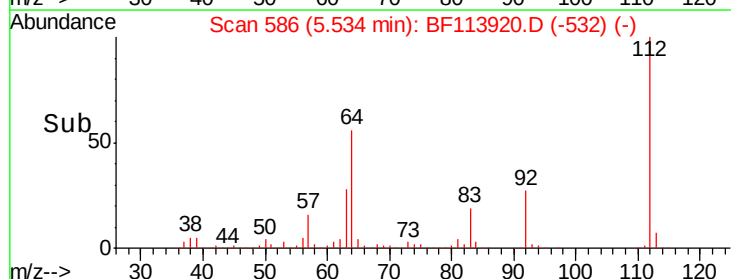
#5

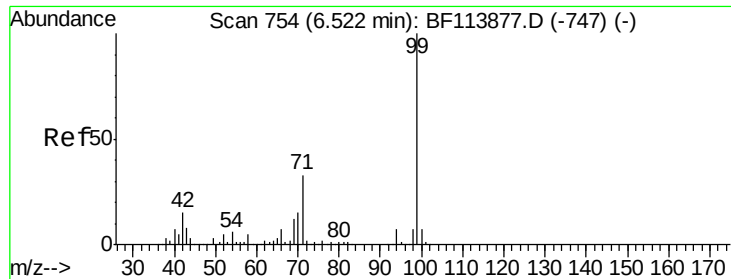
2-Fluorophenol
Concen: 110.813 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Tgt Ion:112 Resp: 927528
Ion Ratio Lower Upper
112 100
64 56.0 46.6 69.8
63 28.0 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: 100.387 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113920.D

Acq: 23 Apr 2019 15:14

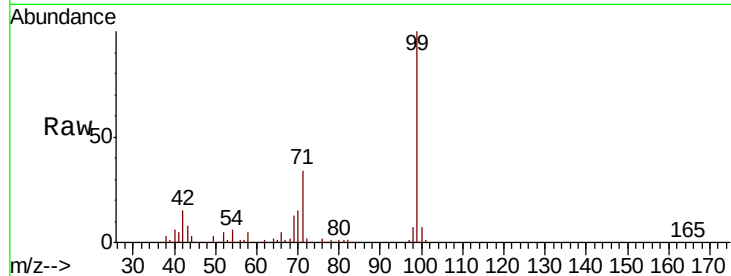
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1054199

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.5	18.7
71	34.2	26.9	40.3

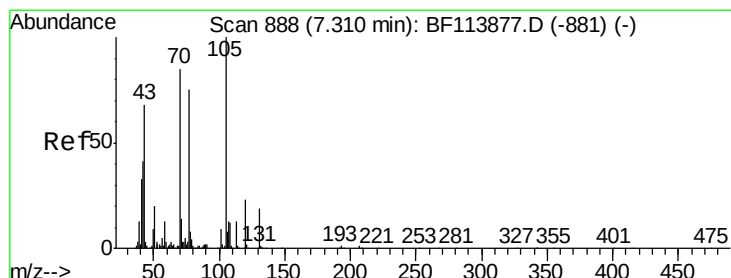
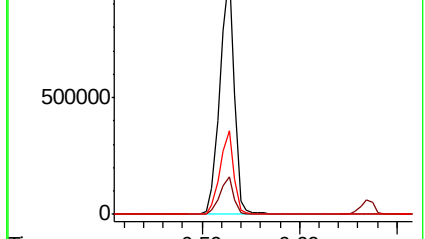
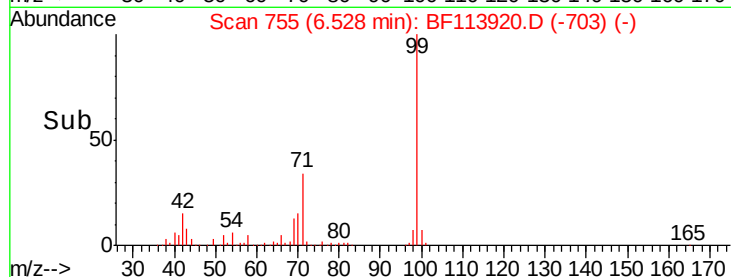


Abundance

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: 16.809 ng

RT: 7.46 min Scan# 913

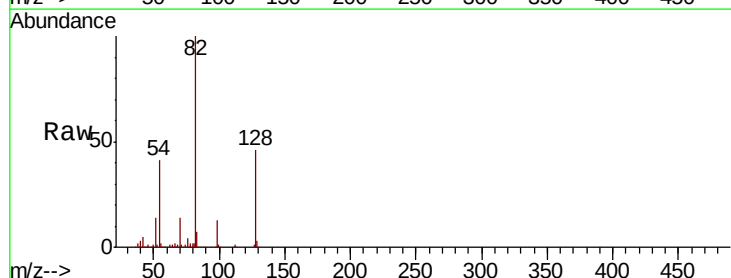
Delta R.T. 0.15 min

Lab File: BF113920.D

Acq: 23 Apr 2019 15:14

Tgt Ion: 70 Resp: 114308

Ion	Ratio	Lower	Upper
70	100		
42	37.2	37.3	55.9#
101	0.0	7.8	11.8#
130	2.3	18.2	27.2#



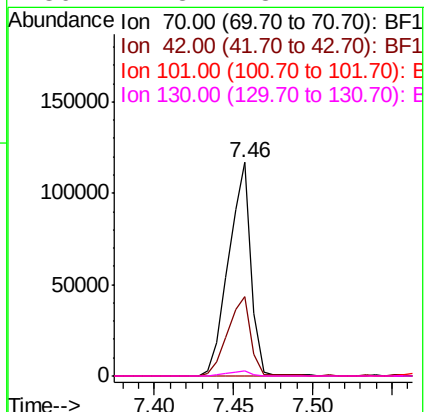
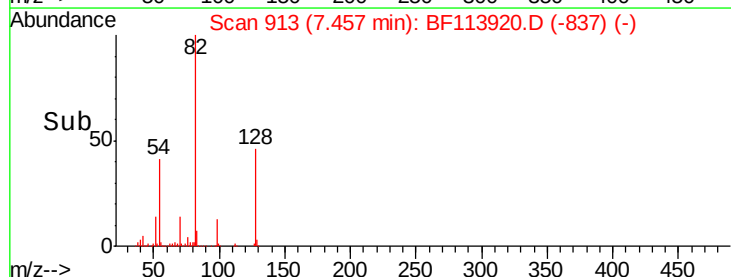
Abundance

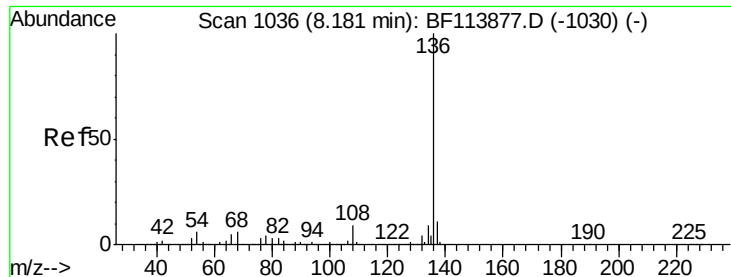
Ion 70.00 (69.70 to 70.70): BF1

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

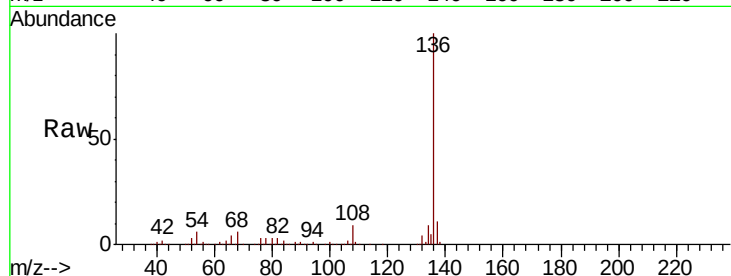




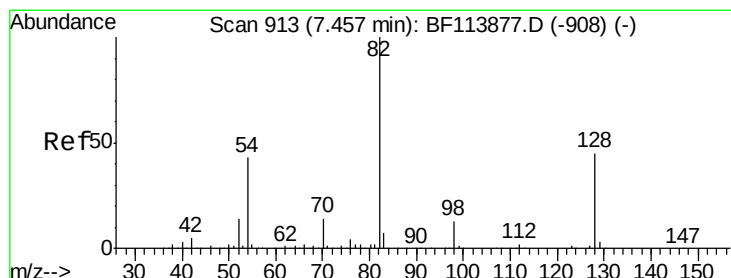
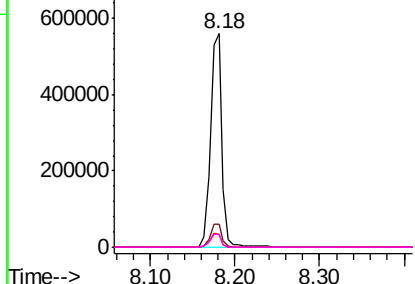
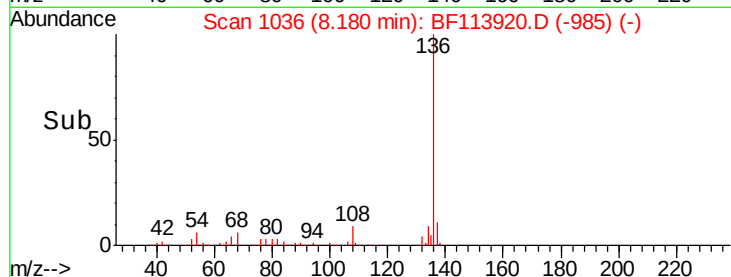
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	536988
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 12.8
54	5.8	5.0 7.6
68	5.9	4.9 7.3

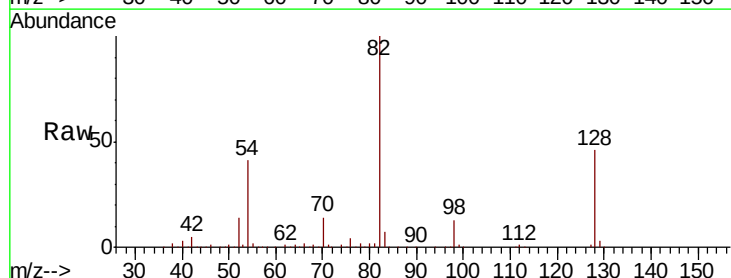


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

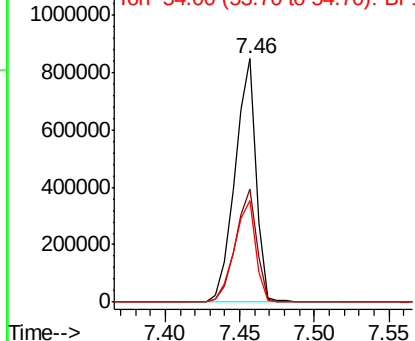
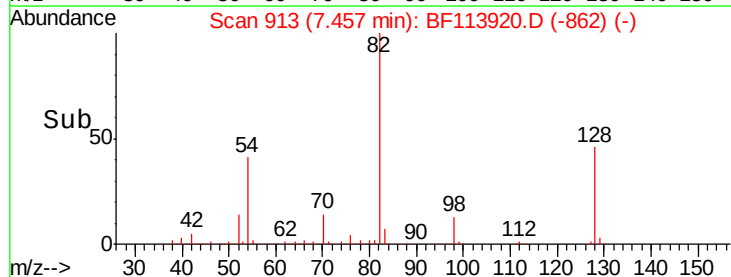


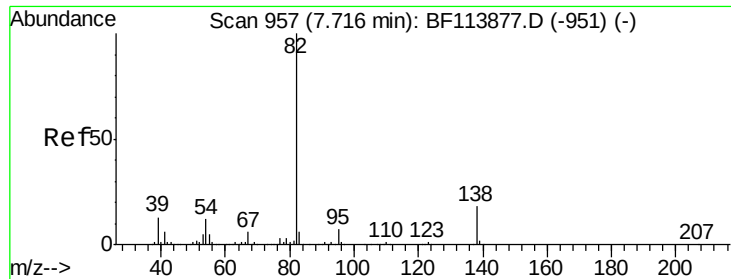
#23
Nitrobenzene-d5
Concen: 96.714 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Tgt Ion: 82	Resp:	841122
Ion	Ratio	Lower Upper
82	100	
128	46.2	36.8 55.2
54	41.5	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

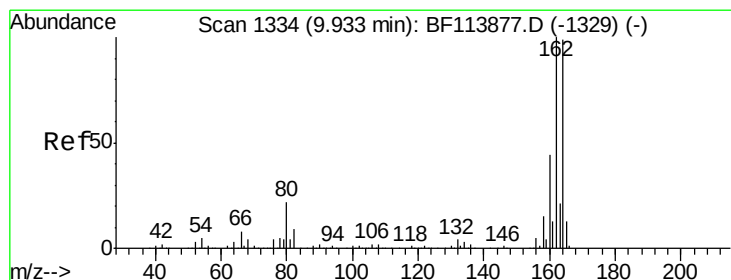
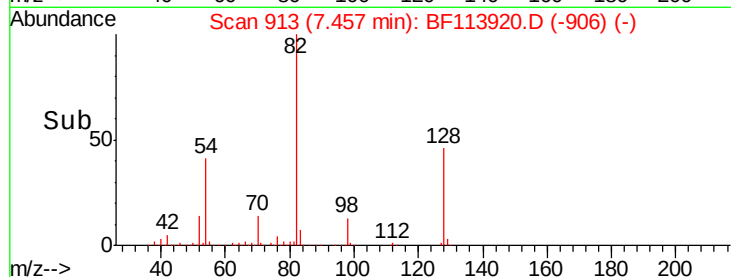
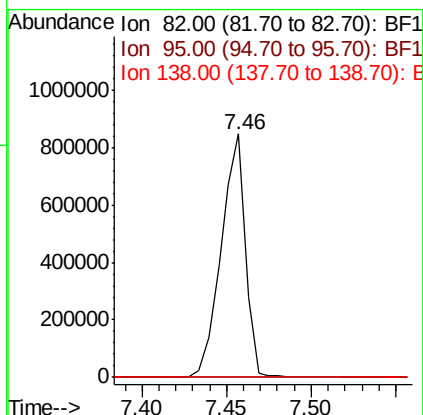
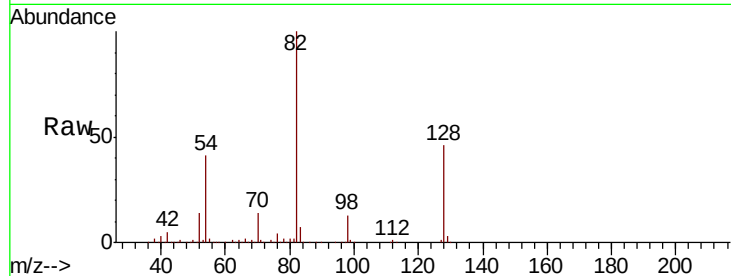




#25
Isophorone
Concen: 46.961 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

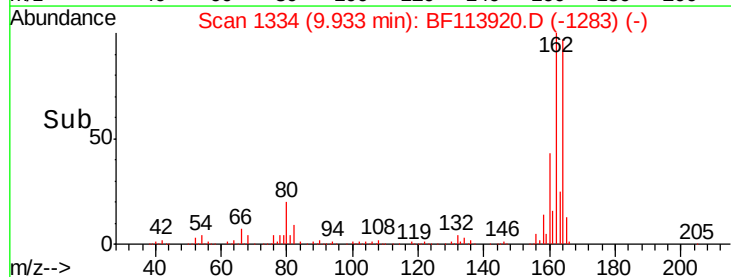
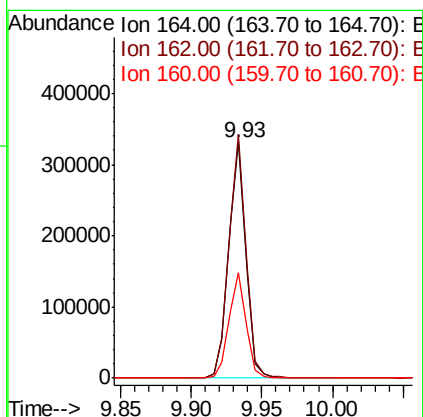
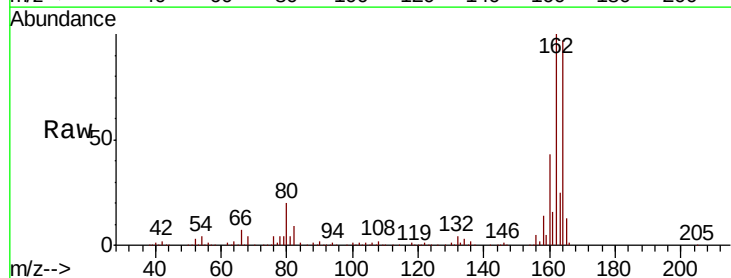
Instrument :
BNA_F
ClientSampleId :

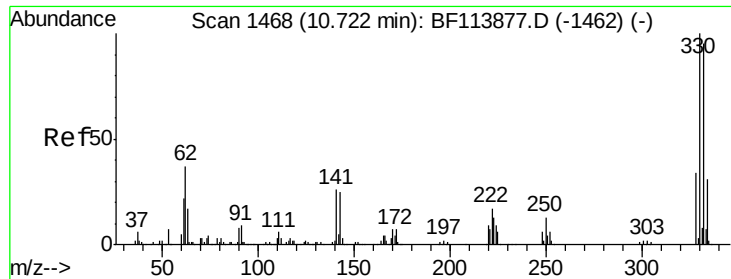
Tot Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.1	121.7
160	44.8	35.8	53.6

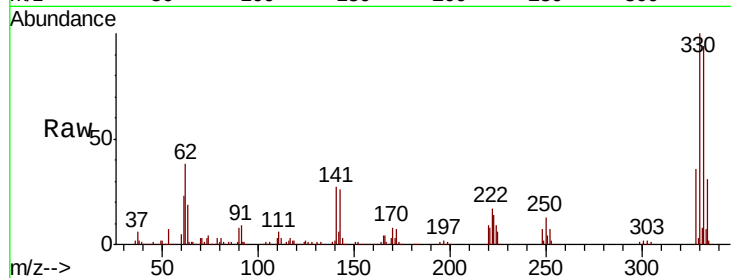




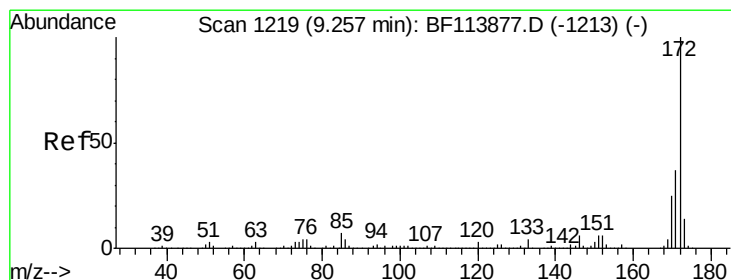
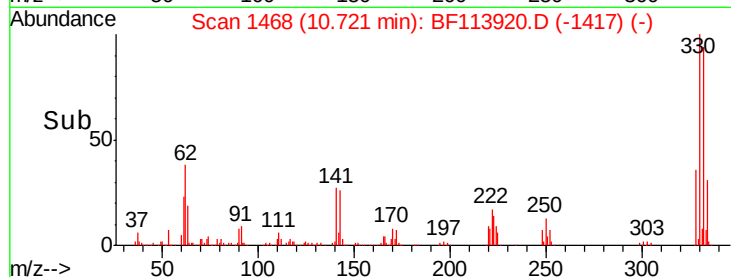
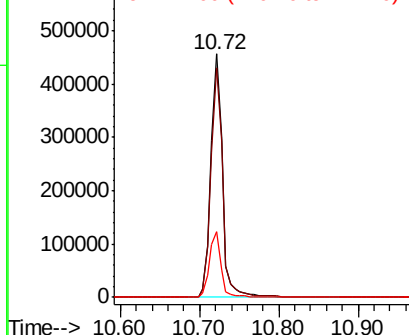
#42
 2,4,6-Tribromophenol
 Concen: 136.580 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 464563
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.5 116.3
 141 27.0 22.2 33.2

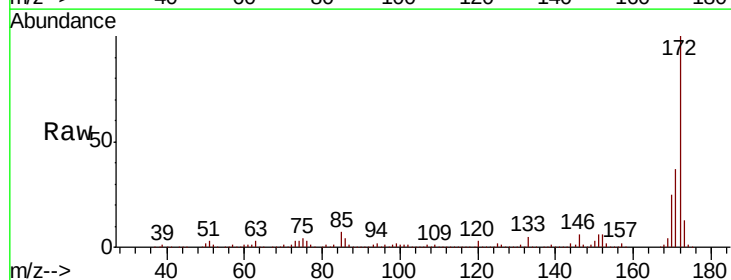


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

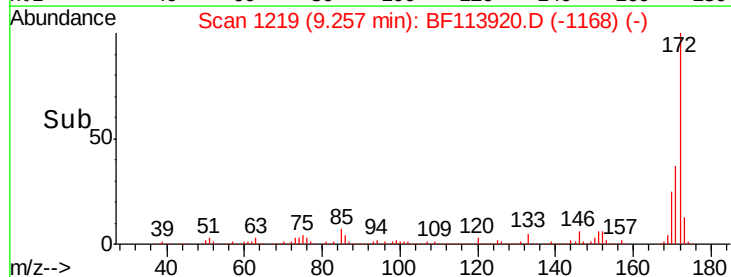
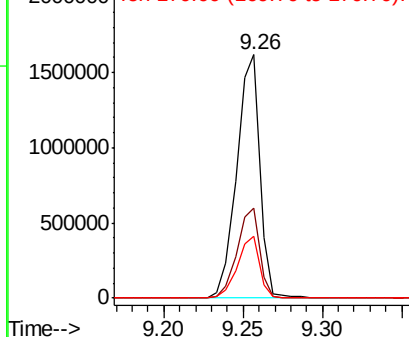


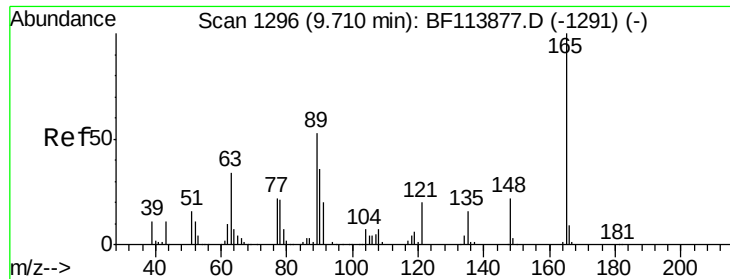
#45
 2-Fluorobiphenyl
 Concen: 91.256 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

Tgt Ion:172 Resp: 1629119
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 25.2 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

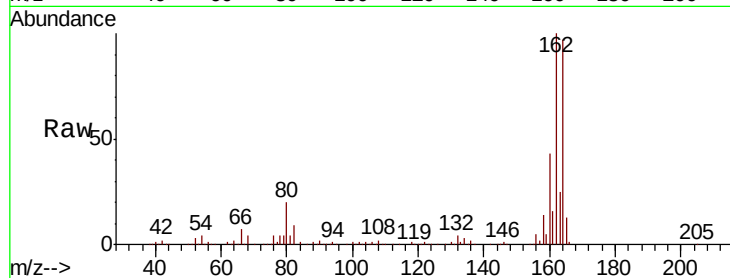




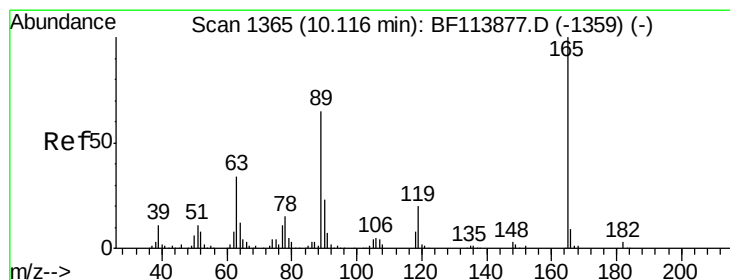
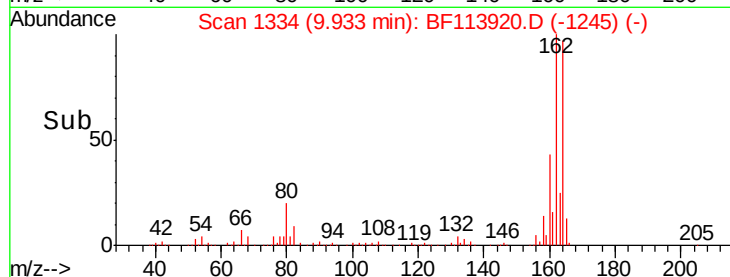
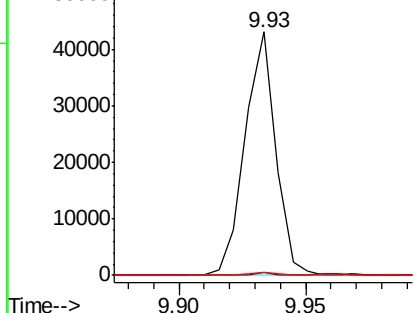
#51
 2,6-Dinitrotoluene
 Concen: 8.406 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

Instrument :
 BNA_F
 ClientSampled :

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

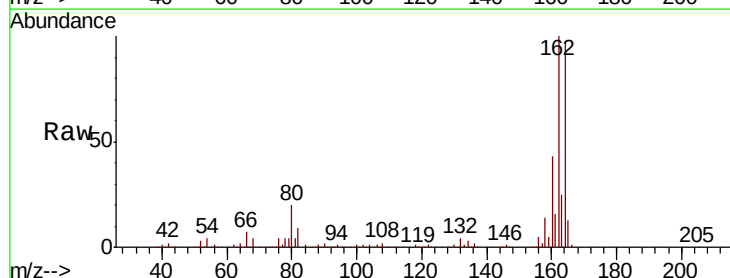


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

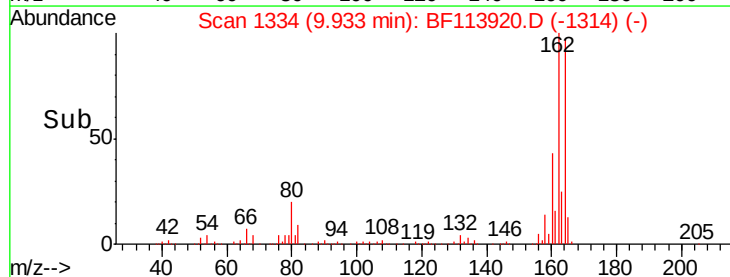
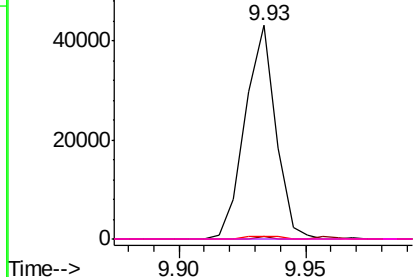


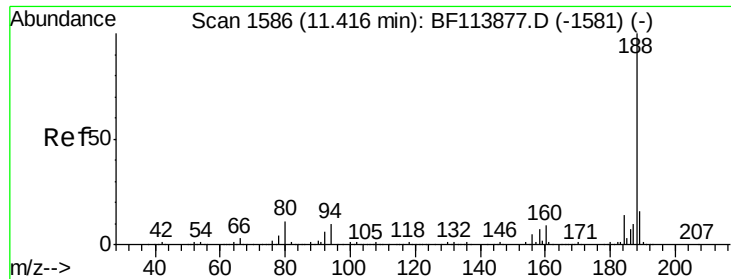
#57
 2,4-Dinitrotoluene
 Concen: 6.659 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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

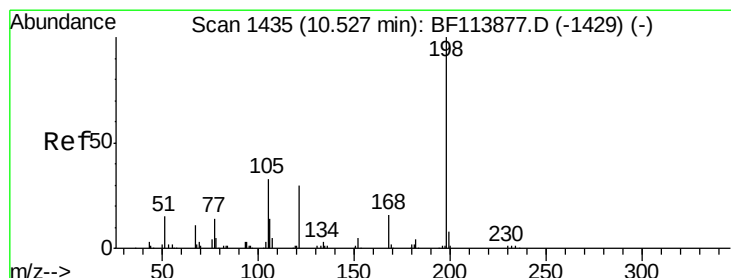
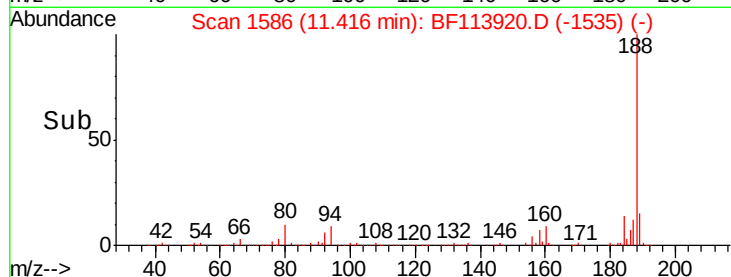
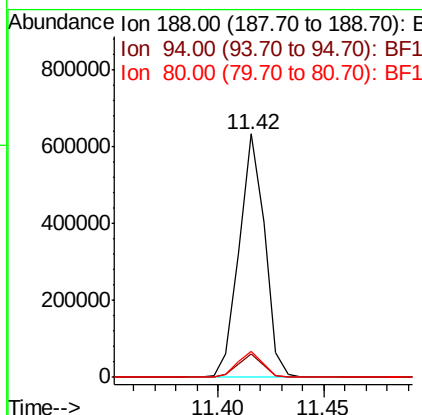
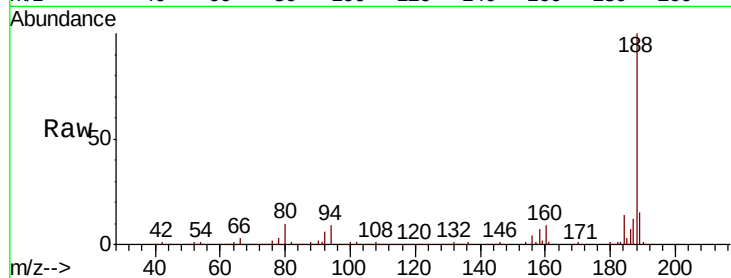




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

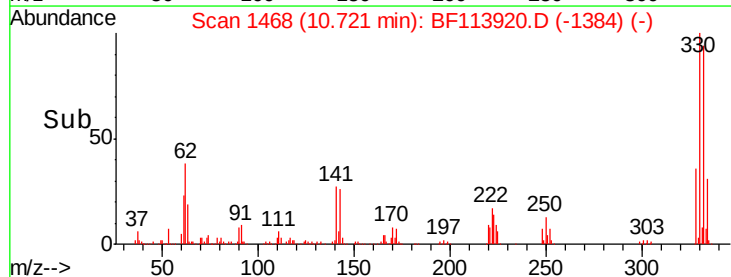
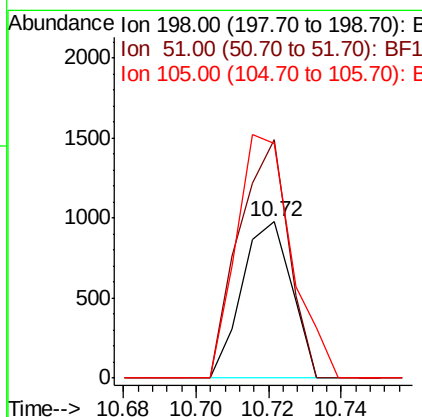
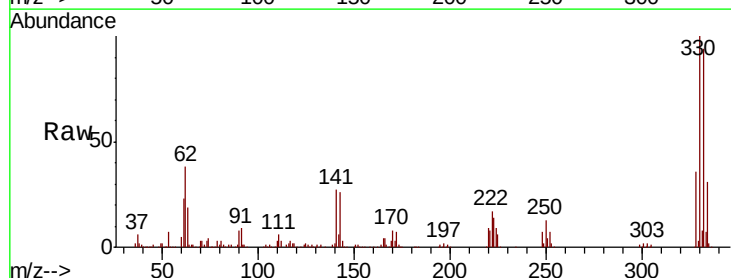
Instrument :
 BNA_F
 ClientSampleId :

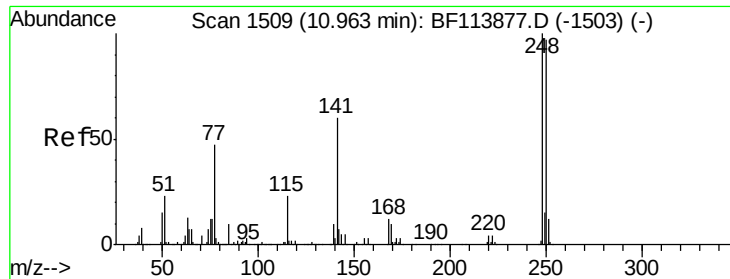
Tot Ion:188 Resp: 528978
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.2 12.4
 80 10.4 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.631 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

Tgt Ion:198 Resp: 924
 Ion Ratio Lower Upper
 198 100
 51 152.6 11.1 51.1#
 105 150.2 20.7 60.7#

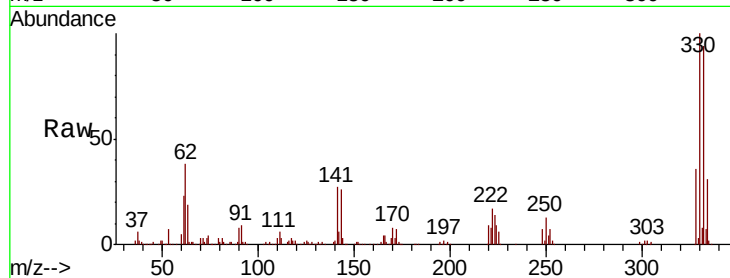




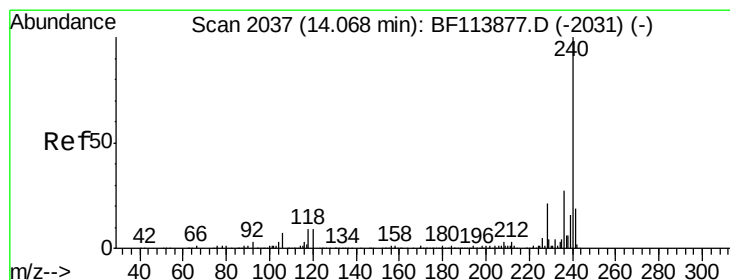
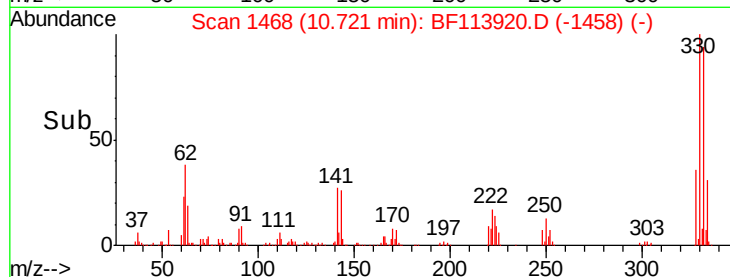
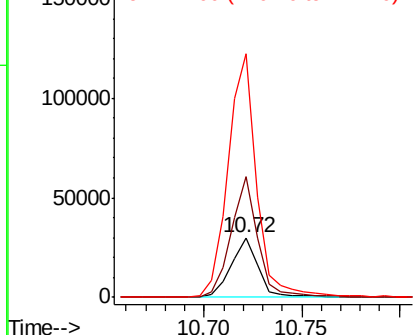
#67
4-Bromophenyl-phenylether
Concen: 4.465 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28532
Ion Ratio Lower Upper
248 100
250 201.9 75.8 113.6#
141 408.9 50.2 75.4#

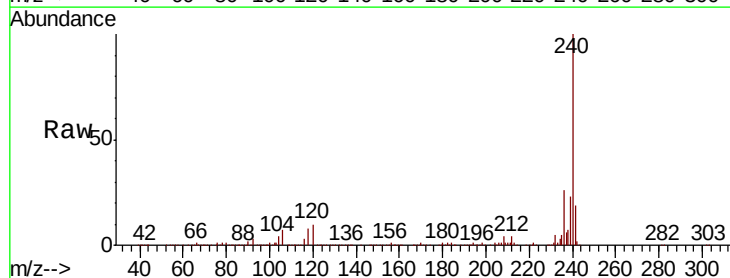


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

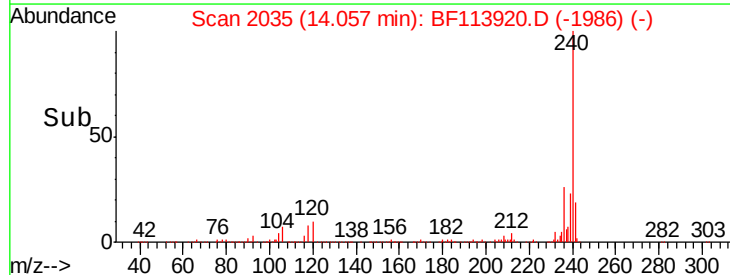
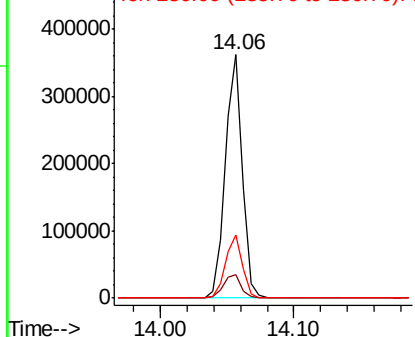


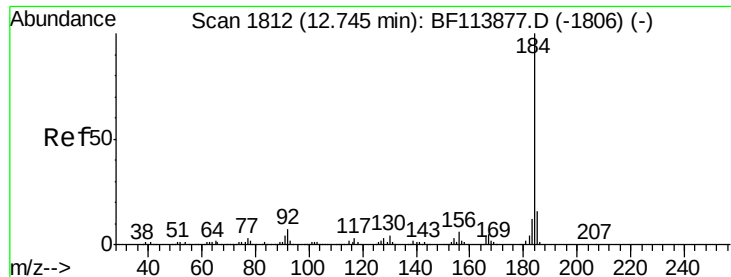
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113920.D
Acq: 23 Apr 2019 15:14

Tgt Ion:240 Resp: 325259
Ion Ratio Lower Upper
240 100
120 9.7 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





#77

Benzidine

Concen: 2.022 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.26 min

Lab File: BF113920.D

Acq: 23 Apr 2019 15:14

Instrument :

BNA_F

ClientSampleId :

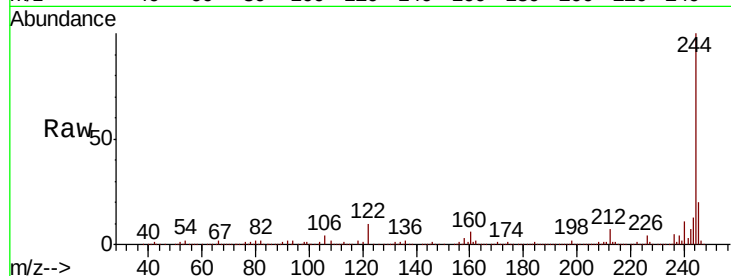
Tot Ion:184 Resp: 19593

Ion Ratio Lower Upper

184 100

185 19.8 13.0 19.6#

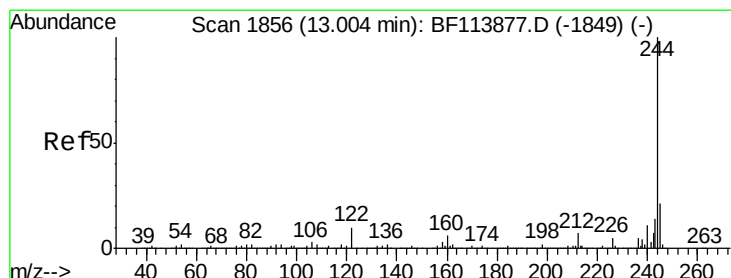
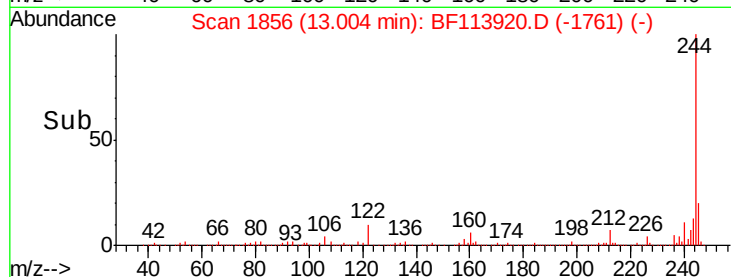
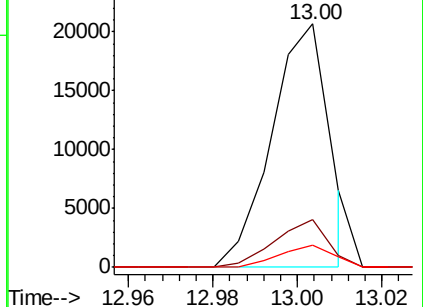
183 9.1 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 110.457 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113920.D

Acq: 23 Apr 2019 15:14

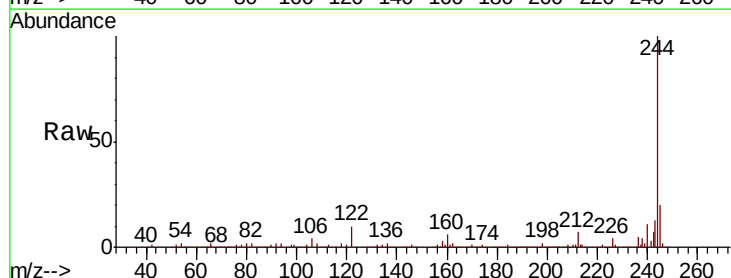
Tgt Ion:244 Resp: 1752427

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

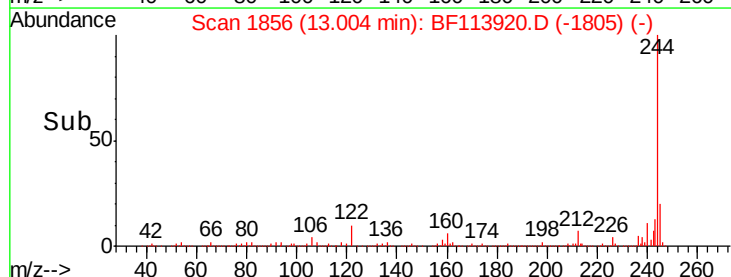
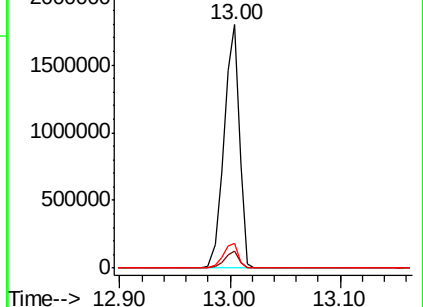
122 10.1 7.6 11.4

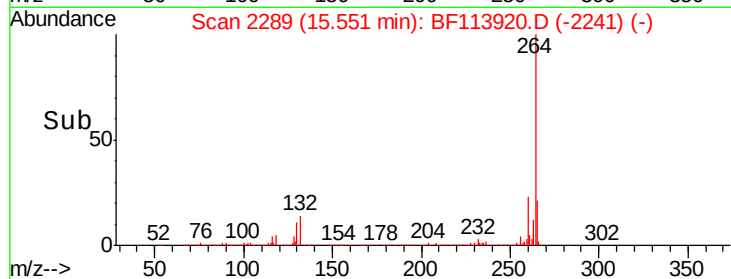
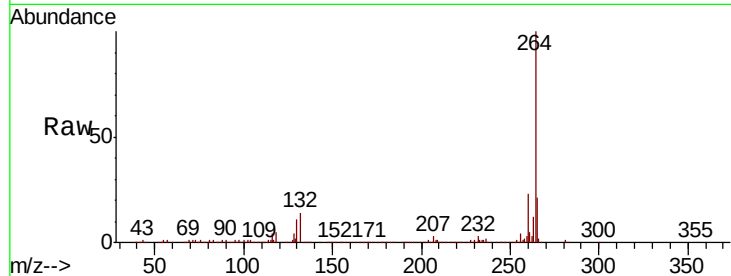
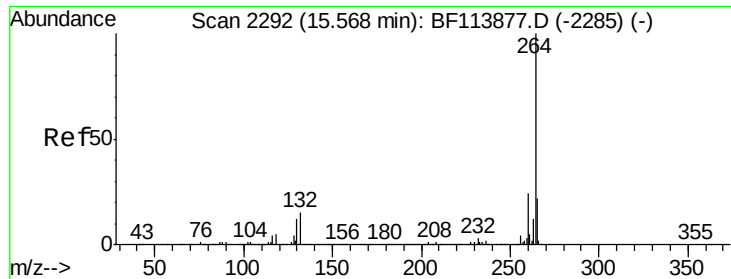


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.02 min
 Lab File: BF113920.D
 Acq: 23 Apr 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	376190
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	21.1	17.3	25.9

