

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\
 Data File : BF114018.D
 Acq On : 29 Apr 2019 12:20
 Operator : JU/SJ
 Sample : K2571-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 01:19:49 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

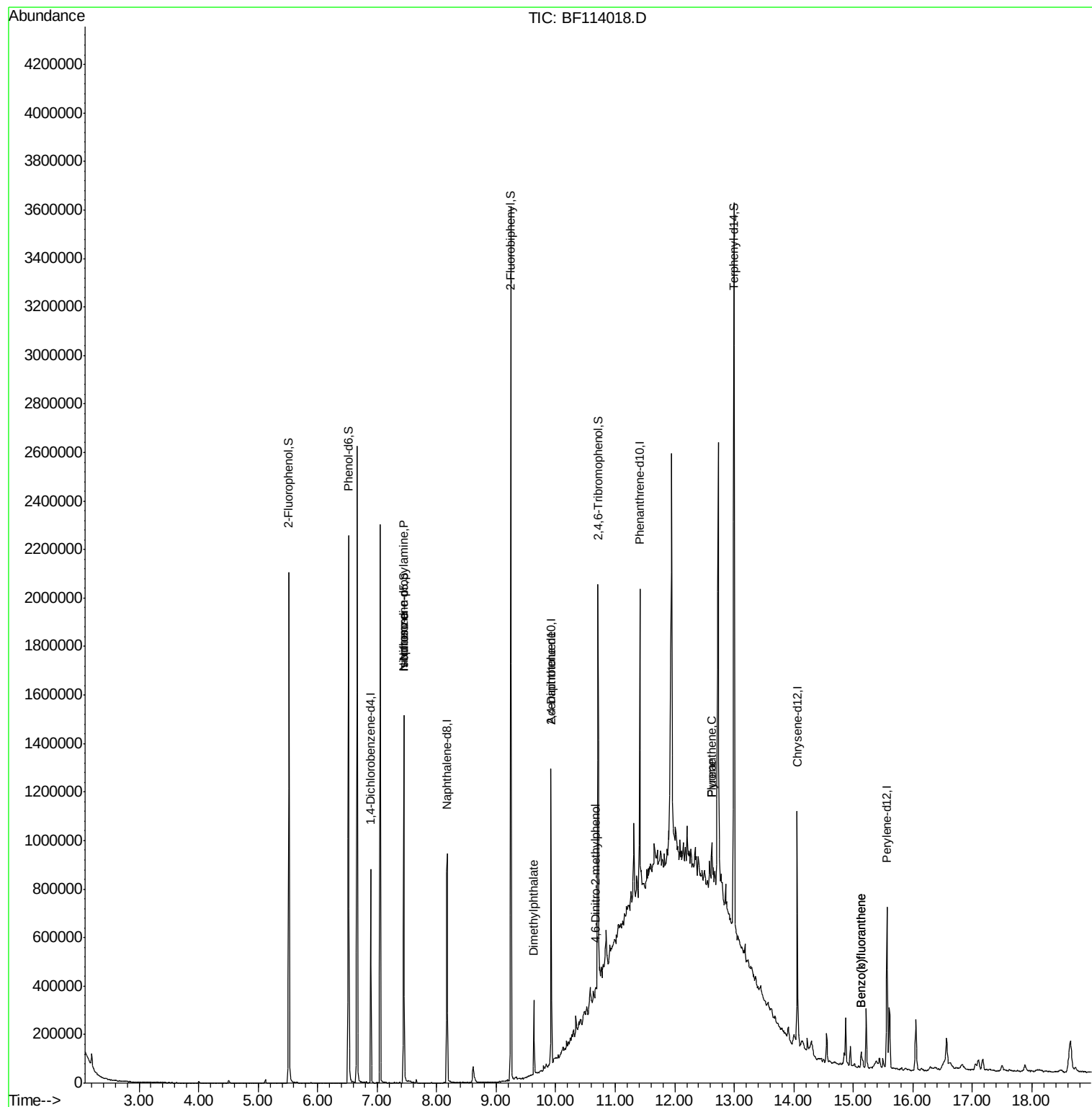
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	121256	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	459200	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	243645	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	441649	20.00	ng	0.00
76) Chrysene-d12	14.06	240	322420	20.00	ng	-0.01
87) Perylene-d12	15.57	264	334753	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	652102	91.98	ng	0.00
7) Phenol-d6	6.52	99	853366	95.94	ng	0.00
23) Nitrobenzene-d5	7.45	82	518648	69.74	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	231258	77.91	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1068542	68.59	ng	-0.01
79) Terphenyl-d14	12.99	244	1122948	71.40	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.66	77	15750	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.45	70	68768	11.939 ng	#	75
25) Isophorone	7.45	82	516121	33.916 ng	#	65
50) Dimethylphthalate	9.63	163	116773	6.627 ng		99
57) 2,4-Dinitrotoluene	9.92	165	32356	6.781 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.67	198	116	7.357 ng	#	1
75) Fluoranthene	12.62	202	51818	2.140 ng		92
78) Pyrene	12.62	202	51818	2.298 ng		95
88) Benzo(b)fluoranthene	15.13	252	46664	2.203 ng	#	96
89) Benzo(k)fluoranthene	15.13	252	46664	2.561 ng	#	98

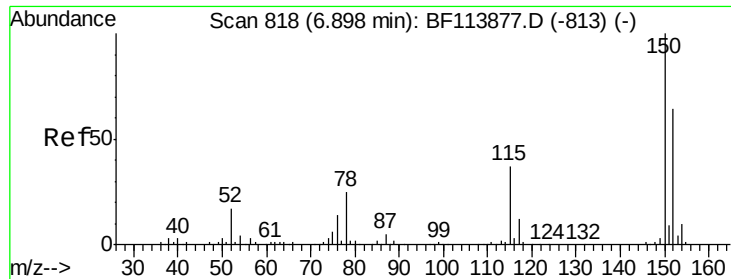
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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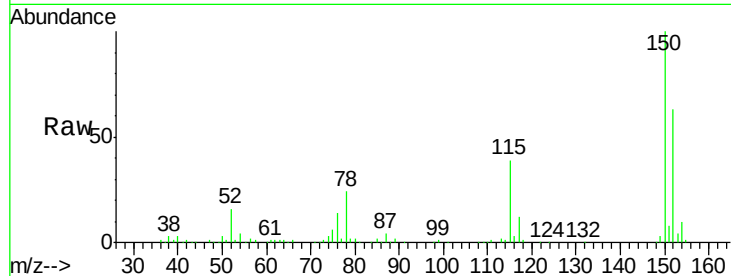


#1

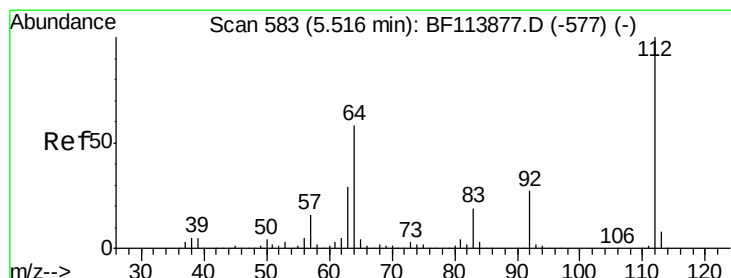
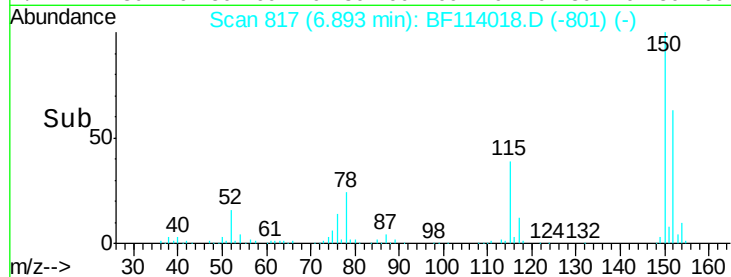
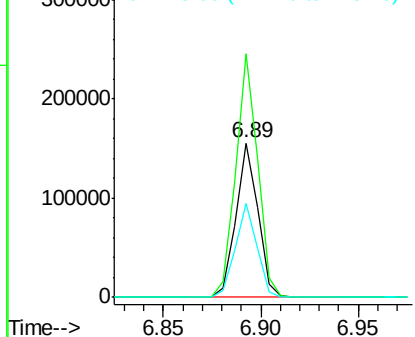
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114018.D
Acq: 29 Apr 2019 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	60.8	45.9	68.9



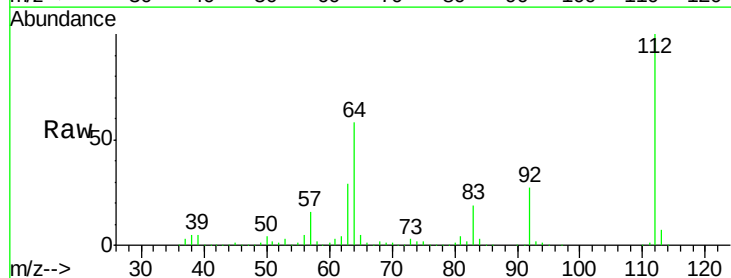
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



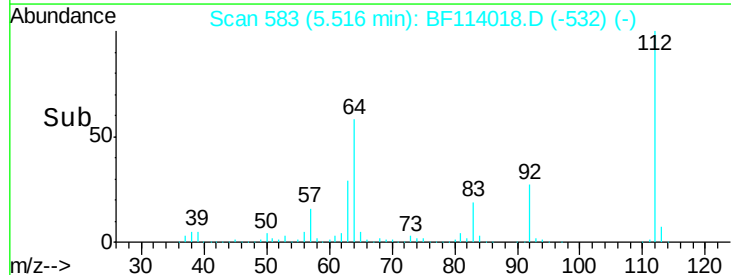
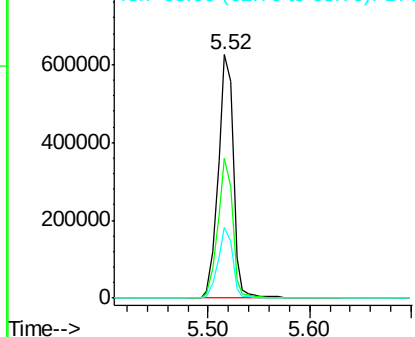
#5

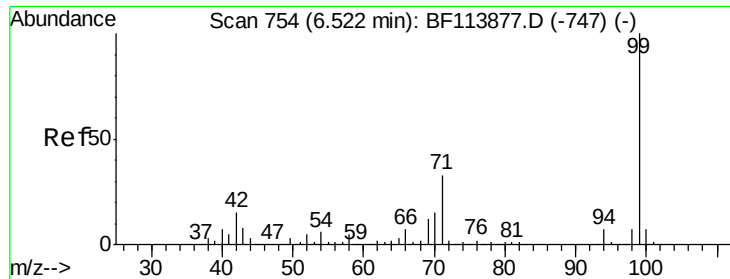
2-Fluorophenol
Concen: 91.981 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114018.D
Acq: 29 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.6	69.8
63	29.0	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: 95.942 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Instrument :

BNA_F

ClientSampleId :

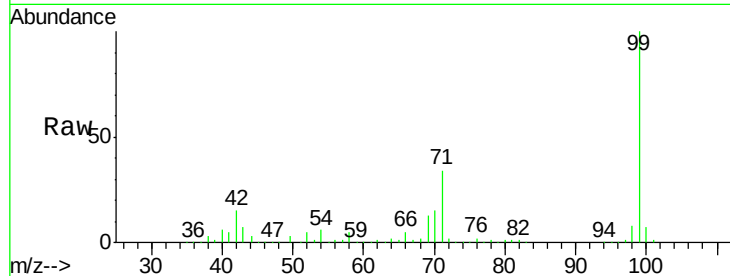
Tot Ion: 99 Resp: 853366

Ion Ratio Lower Upper

99 100

42 14.7 12.5 18.7

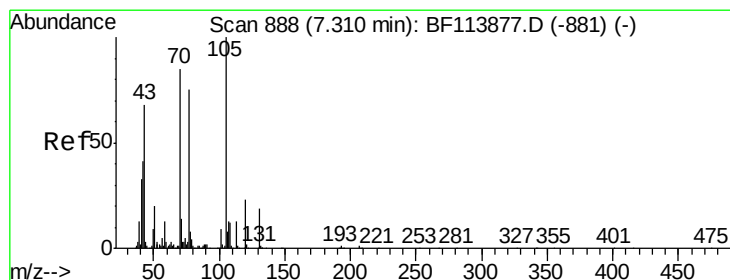
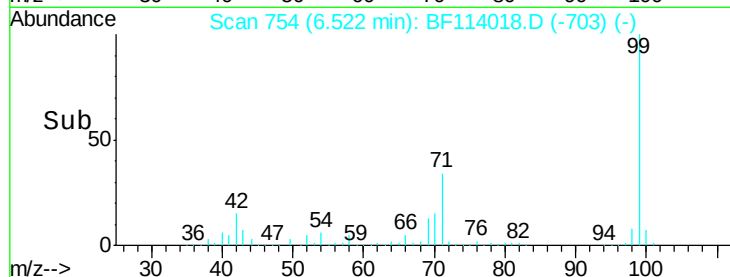
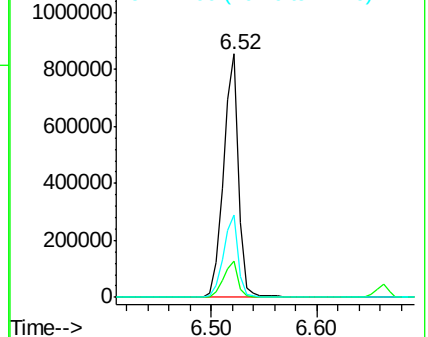
71 33.9 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.939 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Tgt Ion: 70 Resp: 68768

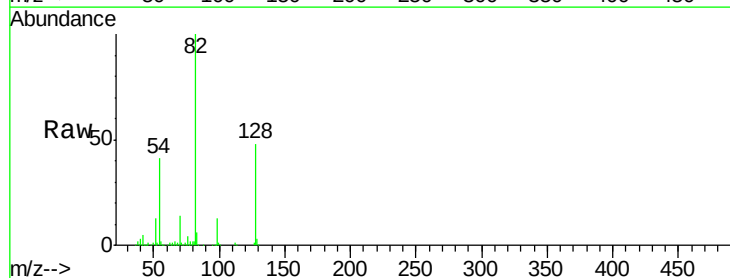
Ion Ratio Lower Upper

70 100

42 36.1 37.3 55.9#

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

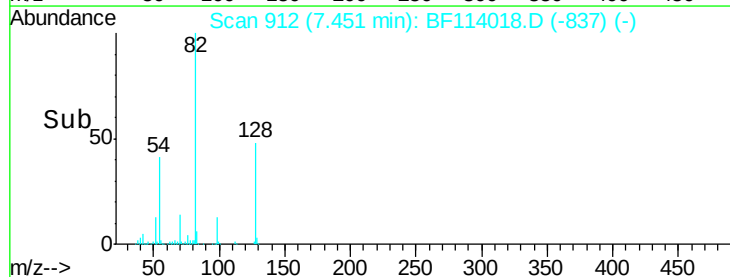
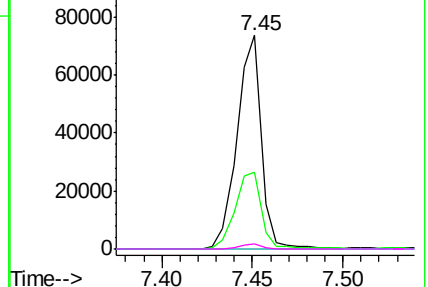


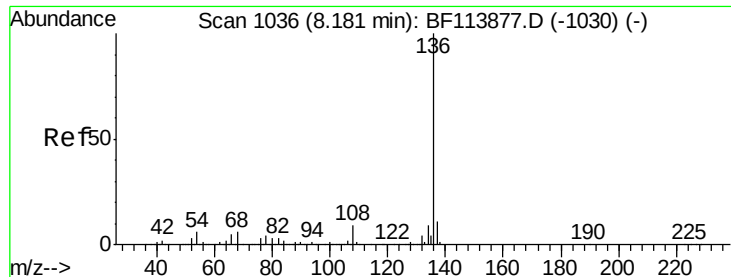
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

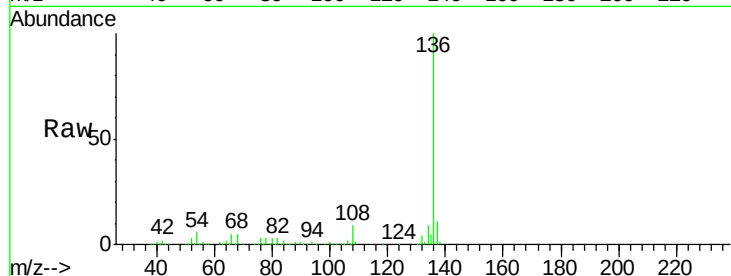




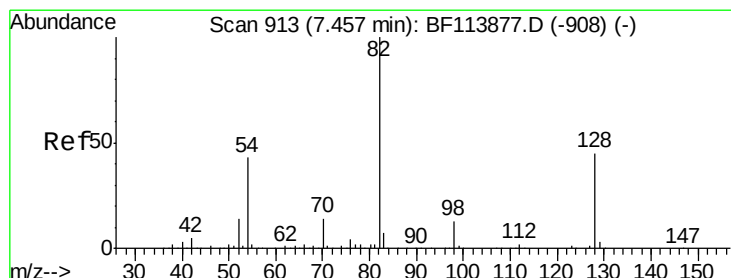
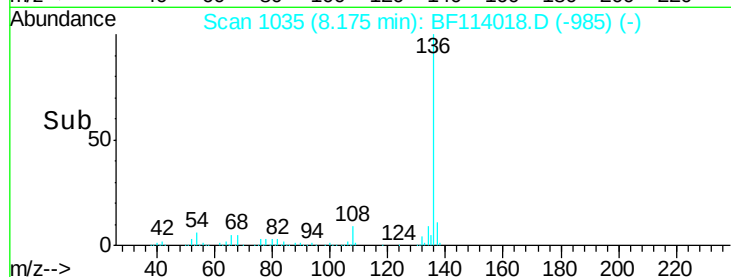
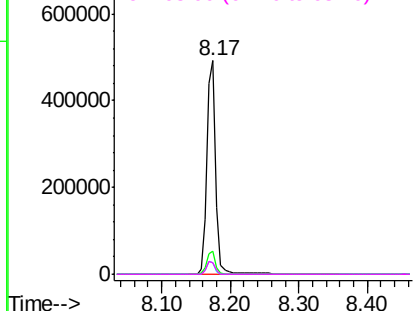
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF114018.D
Acq: 29 Apr 2019 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	459200
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 12.8
54	5.6	5.0 7.6
68	5.4	4.9 7.3

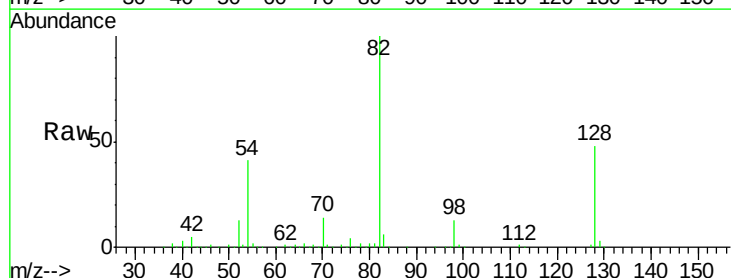


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

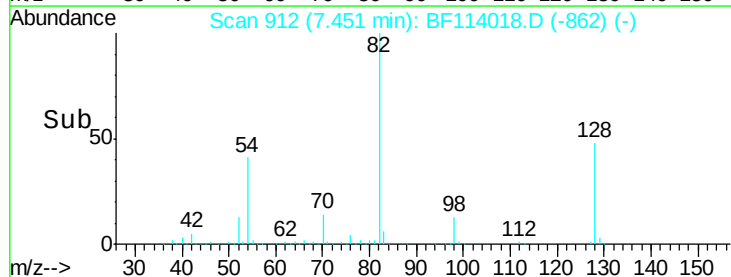
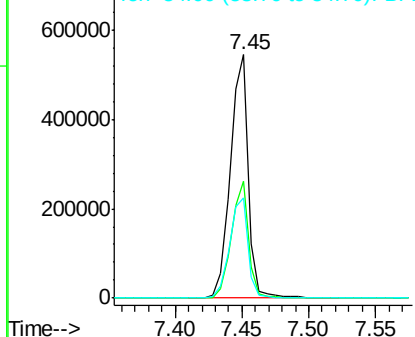


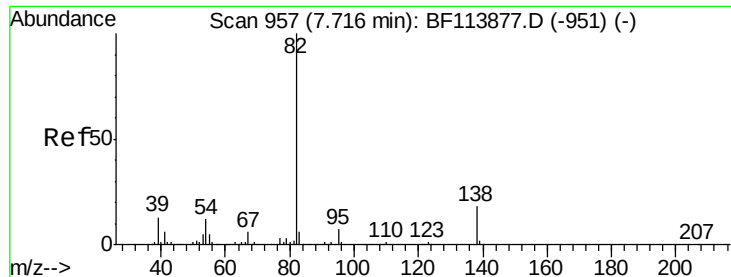
#23
Nitrobenzene-d5
Concen: 69.737 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF114018.D
Acq: 29 Apr 2019 12:20

Tgt Ion: 82	Resp:	518648
Ion	Ratio	Lower Upper
82	100	
128	48.1	36.8 55.2
54	41.0	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: 33.916 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Instrument :

BNA_F

ClientSampleId :

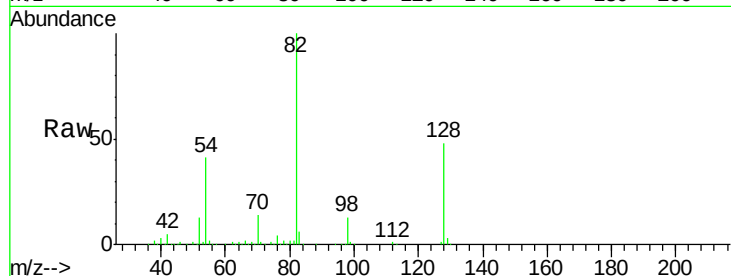
Tot Ion: 82 Resp: 516121

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

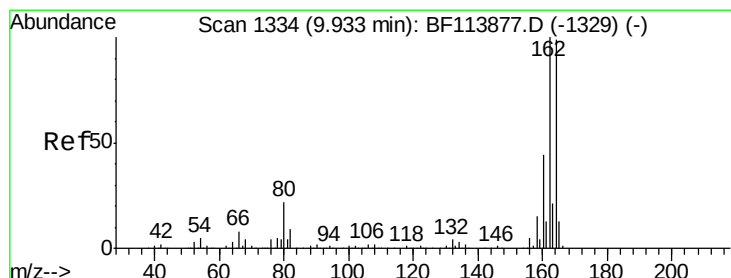
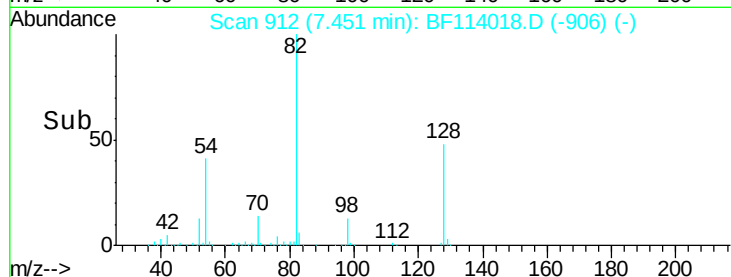
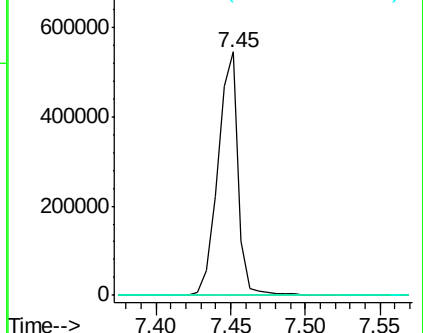
138 0.0 14.6 22.0#



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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

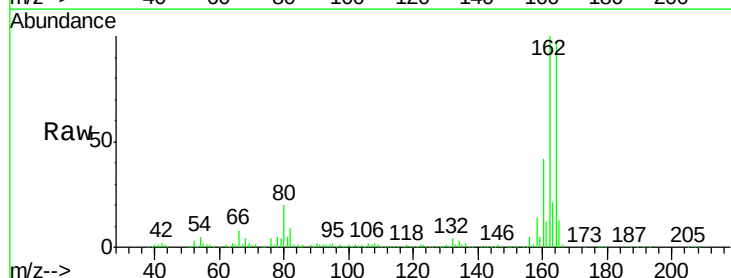
Tgt Ion: 164 Resp: 243645

Ion Ratio Lower Upper

164 100

162 103.0 81.1 121.7

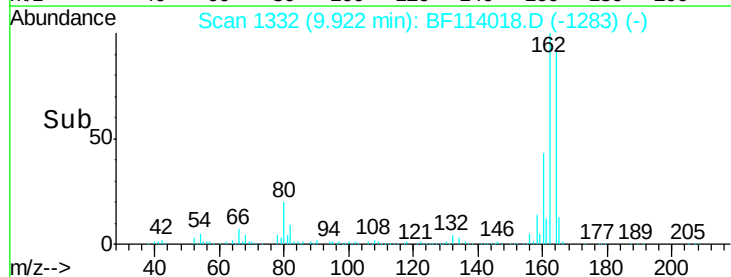
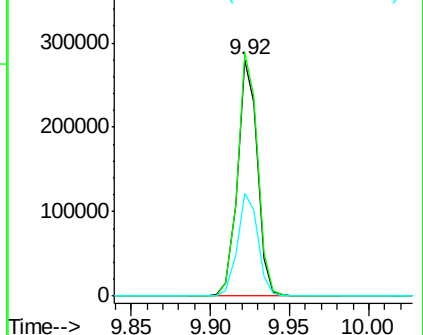
160 43.8 35.8 53.6

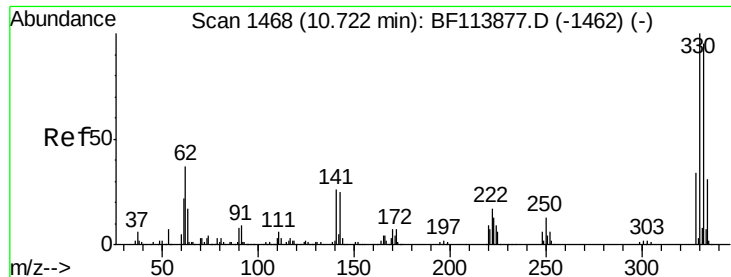


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

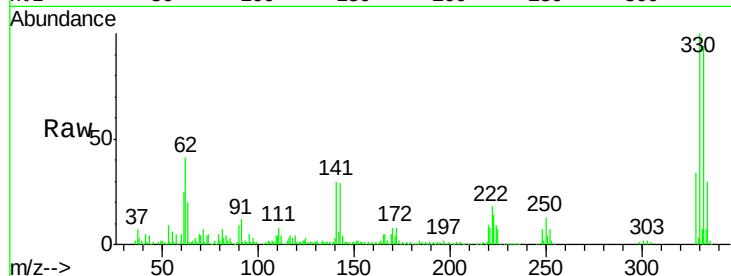




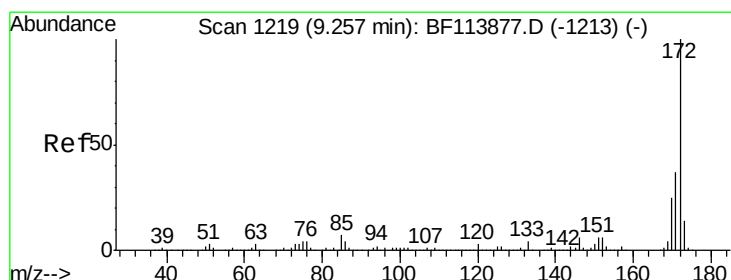
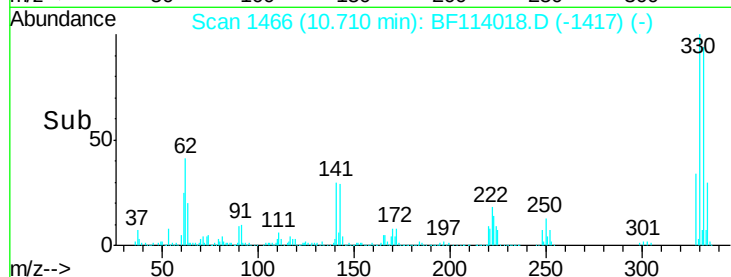
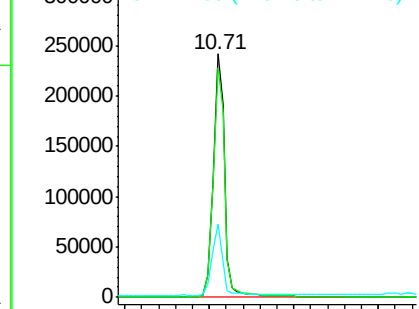
#42
 2,4,6-Tribromophenol
 Concen: 77.915 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF114018.D
 Acq: 29 Apr 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.5	116.3
141	26.9	22.2	33.2

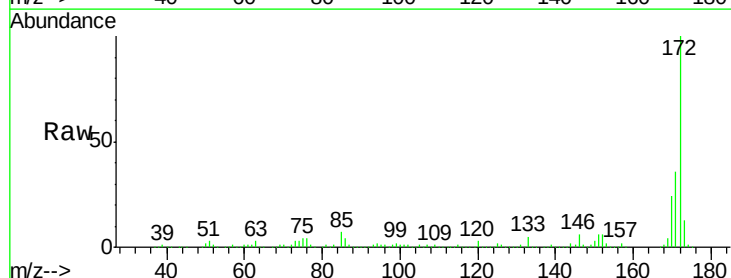


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

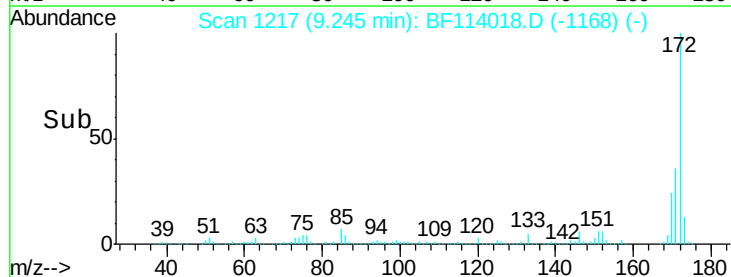
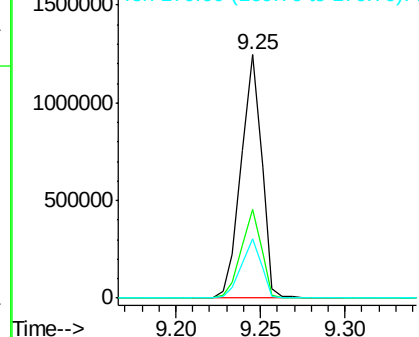


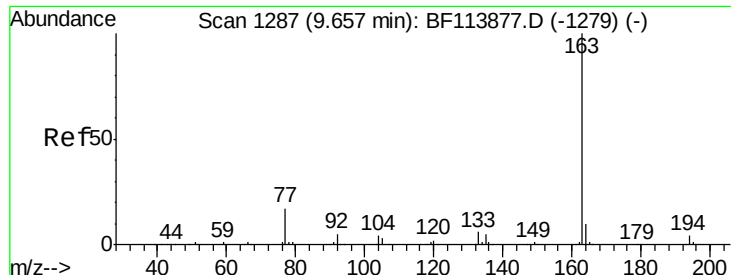
#45
 2-Fluorobiphenyl
 Concen: 68.593 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114018.D
 Acq: 29 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.3	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





#50

Dimethylphthalate

Concen: 6.627 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Instrument :

BNA_F

ClientSampleId :

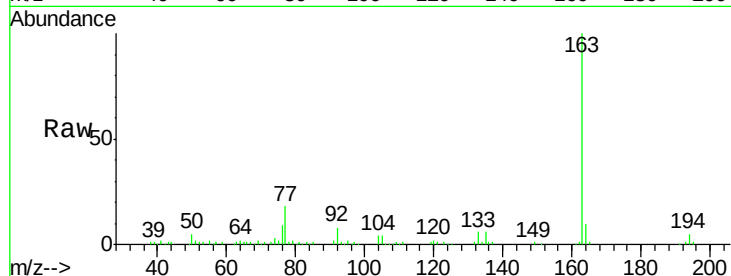
Tot Ion:163 Resp: 116773

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

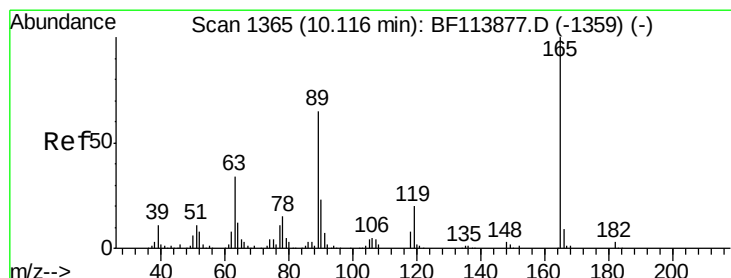
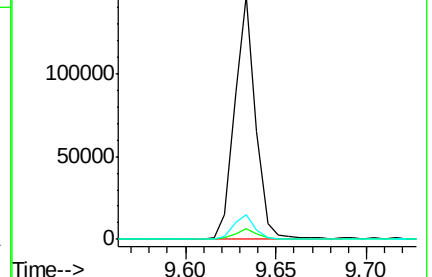
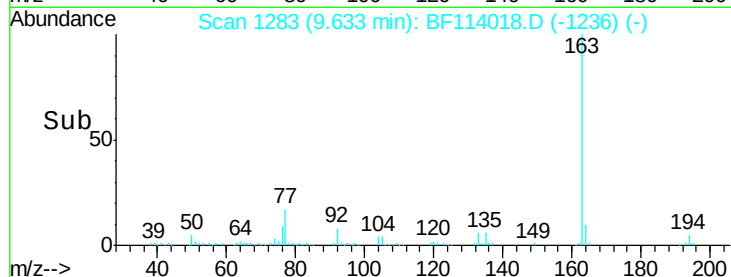
164 10.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.781 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Tgt Ion:165 Resp: 32356

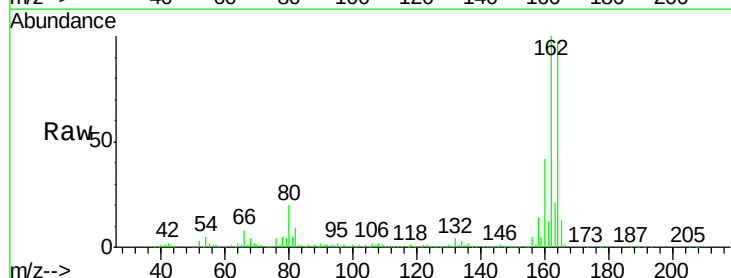
Ion Ratio Lower Upper

165 100

63 1.3 27.4 41.0#

89 1.1 51.8 77.6#

182 0.0 2.2 3.2#

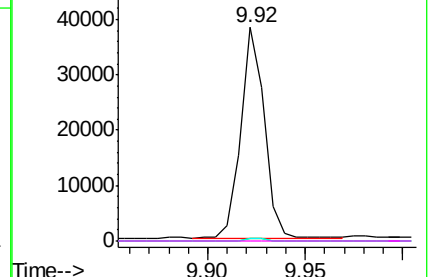
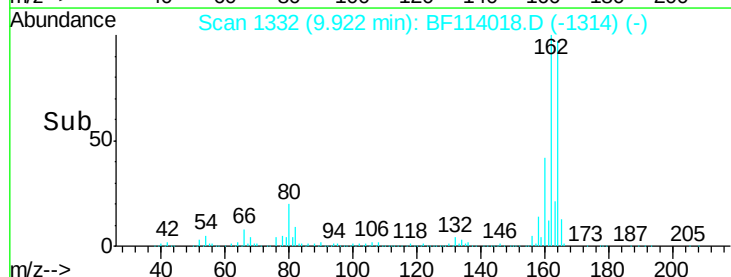


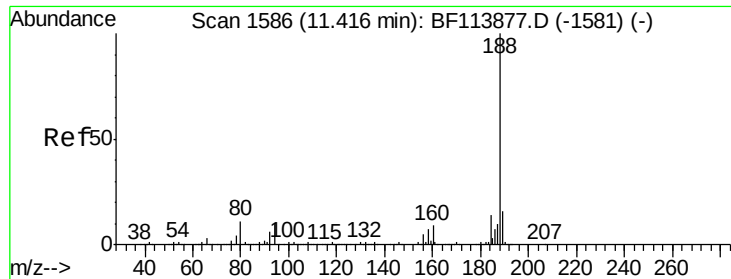
Abundance Ion 165.00 (164.70 to 165.70): E

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

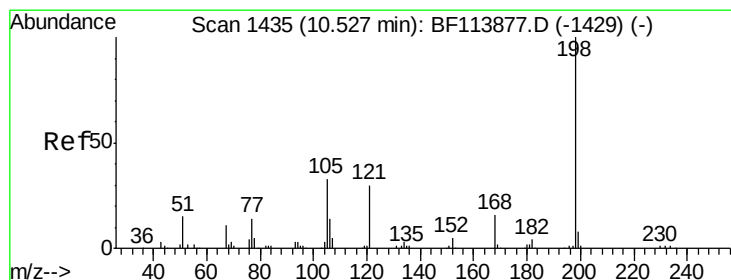
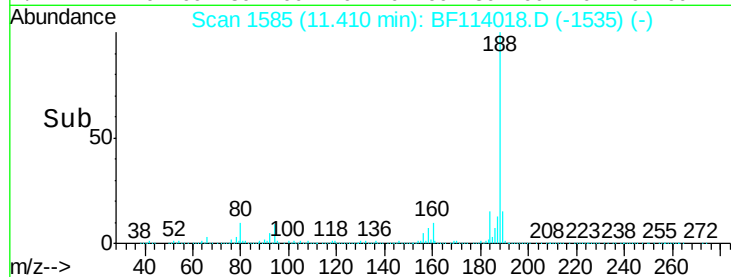
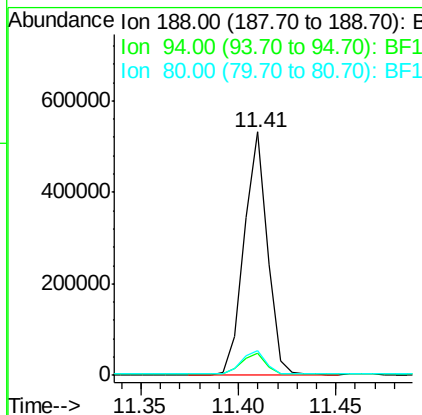
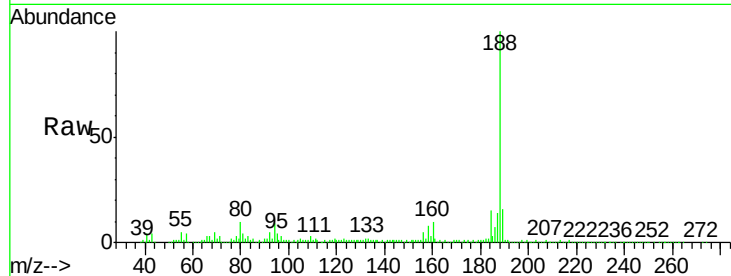




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF114018.D
 Acq: 29 Apr 2019 12:20

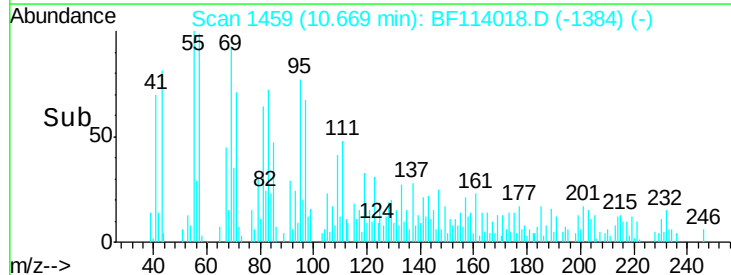
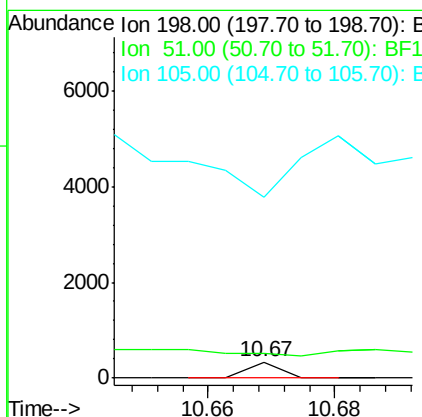
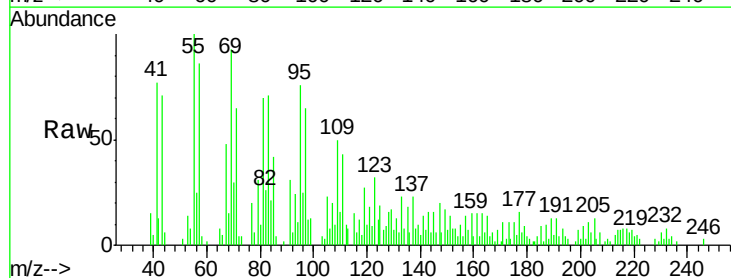
Instrument :
 BNA_F
 ClientSampleId :

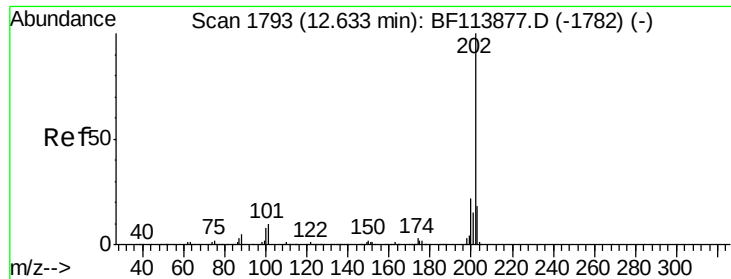
Tot Ion:188 Resp: 441649
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.2 12.4
 80 10.0 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.357 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.14 min
 Lab File: BF114018.D
 Acq: 29 Apr 2019 12:20

Tgt Ion:198 Resp: 116
 Ion Ratio Lower Upper
 198 100
 51 158.4 11.1 51.1#
 105 1148.6 20.7 60.7#





#75

Fluoranthene

Concen: 2.140 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Instrument :

BNA_F

ClientSampleId :

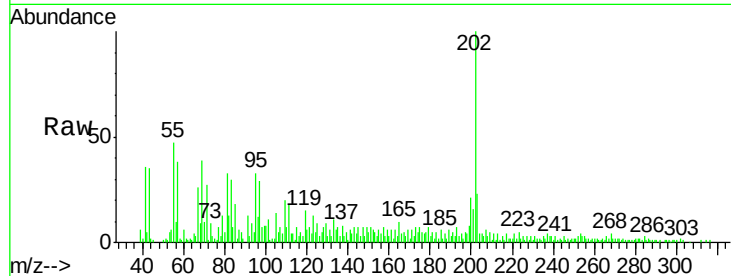
Tot Ion:202 Resp: 51818

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.9

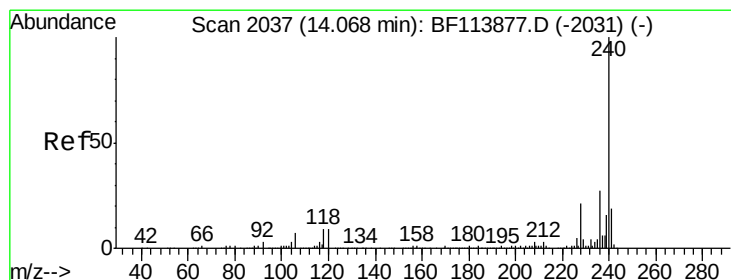
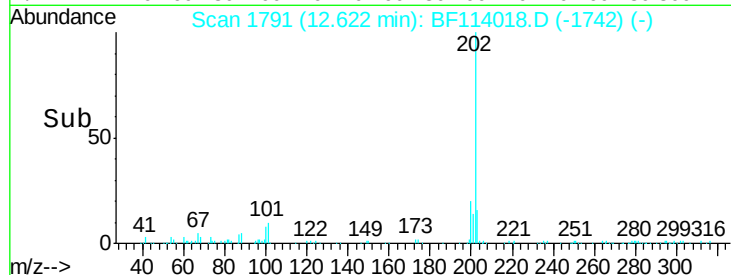
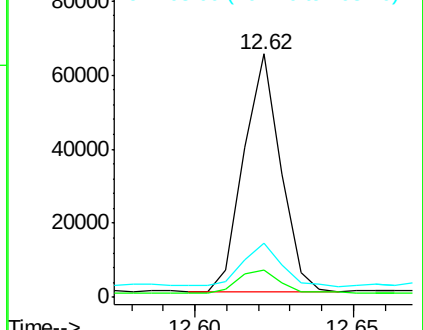
203 22.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

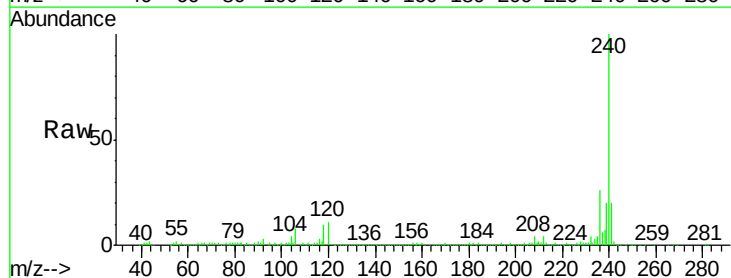
Tgt Ion:240 Resp: 322420

Ion Ratio Lower Upper

240 100

120 10.7 9.3 13.9

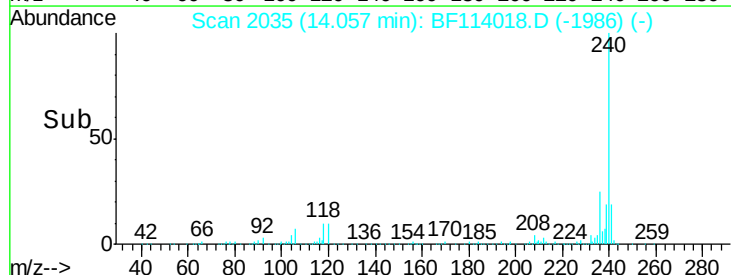
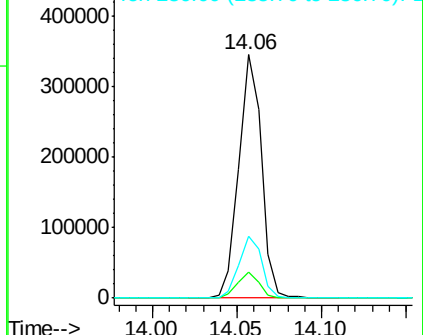
236 25.5 21.2 31.8

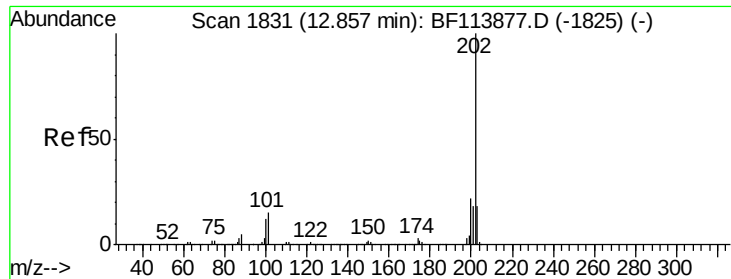


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

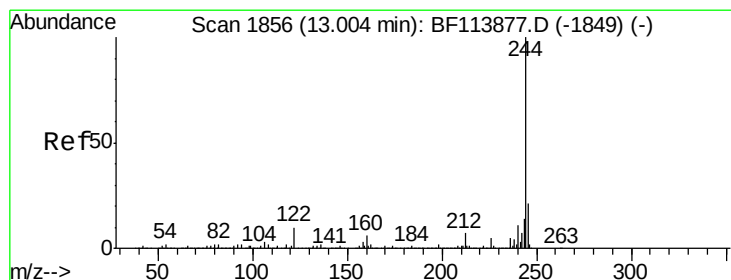
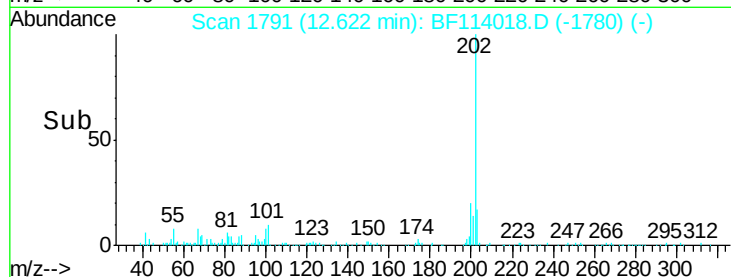
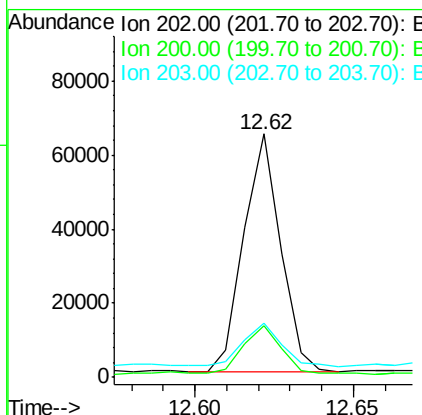
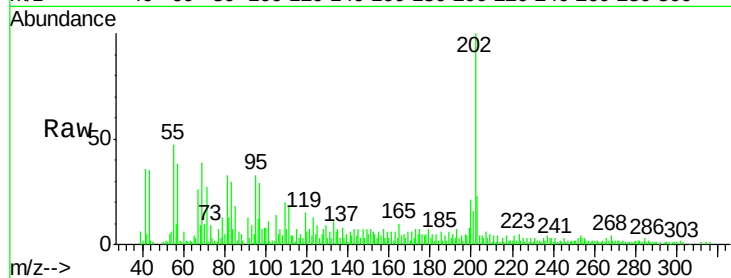




#78
Pvrene
Concen: 2.298 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.24 min
Lab File: BF114018.D
Acq: 29 Apr 2019 12:20

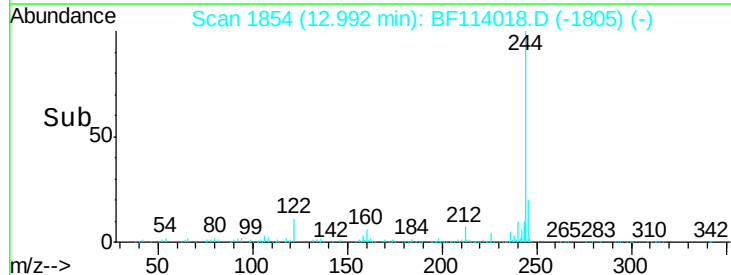
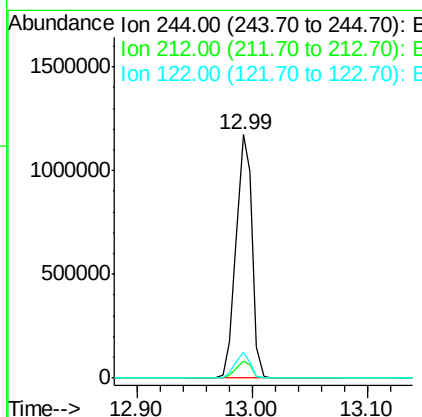
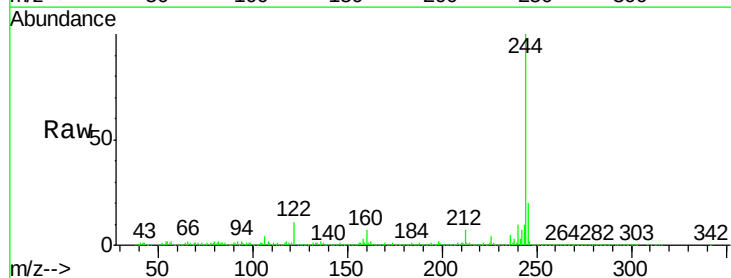
Instrument :
BNA_F
ClientSampleId :

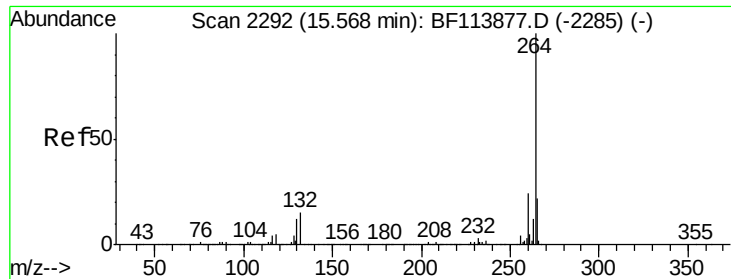
Tot Ion:202 Resp: 51818
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 22.5 15.0 22.6



#79
Terphenyl-d14
Concen: 71.404 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF114018.D
Acq: 29 Apr 2019 12:20

Tgt Ion:244 Resp: 1122948
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.8 7.6 11.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

Instrument :

BNA_F

ClientSampleId :

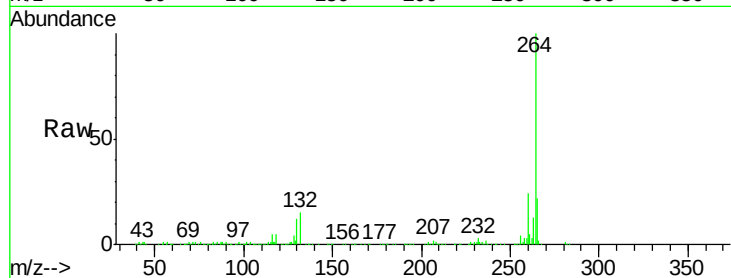
Tot Ion:264 Resp: 334753

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

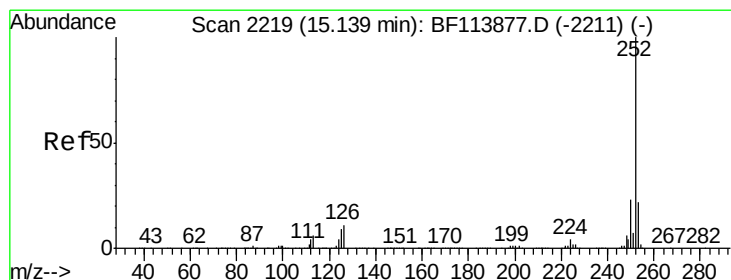
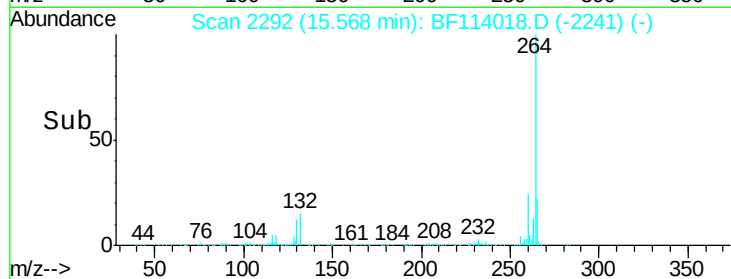
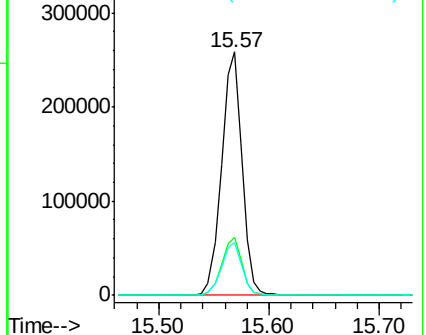
265 21.6 17.3 25.9



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



#88

Benzo(b)fluoranthene

Concen: 2.203 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF114018.D

Acq: 29 Apr 2019 12:20

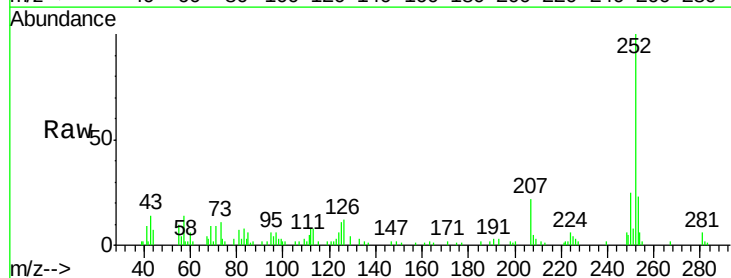
Tgt Ion:252 Resp: 46664

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

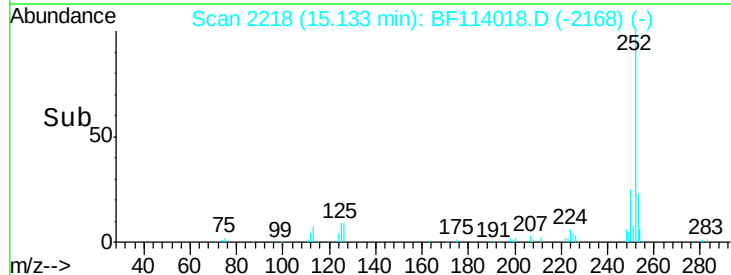
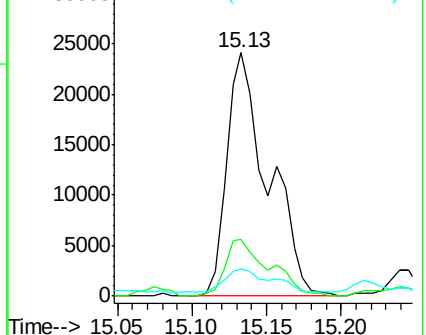
125 11.2 7.0 10.6#

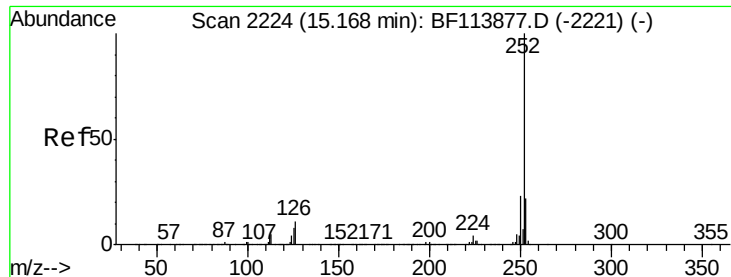


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 2.561 ng
 RT: 15.13 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF114018.D
 Acq: 29 Apr 2019 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.2	7.4	11.2

