

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111936.D
 Acq On : 9 Jan 2019 7:40
 Operator : JU/SJ
 Sample : K1053-01DL2 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 13:23:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	89452	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	330470	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	143837	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	256944	20.00	ng	0.00
76) Chrysene-d12	14.05	240	180195	20.00	ng	0.00
87) Perylene-d12	15.54	264	166954	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	17285	3.31	ng	0.00
7) Phenol-d6	6.52	99	13270	1.97	ng	-0.01
23) Nitrobenzene-d5	7.44	82	25360	4.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	11014	5.89	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	50937	5.16	ng	-0.01
79) Terphenyl-d14	12.99	244	54418	5.73	ng	0.00

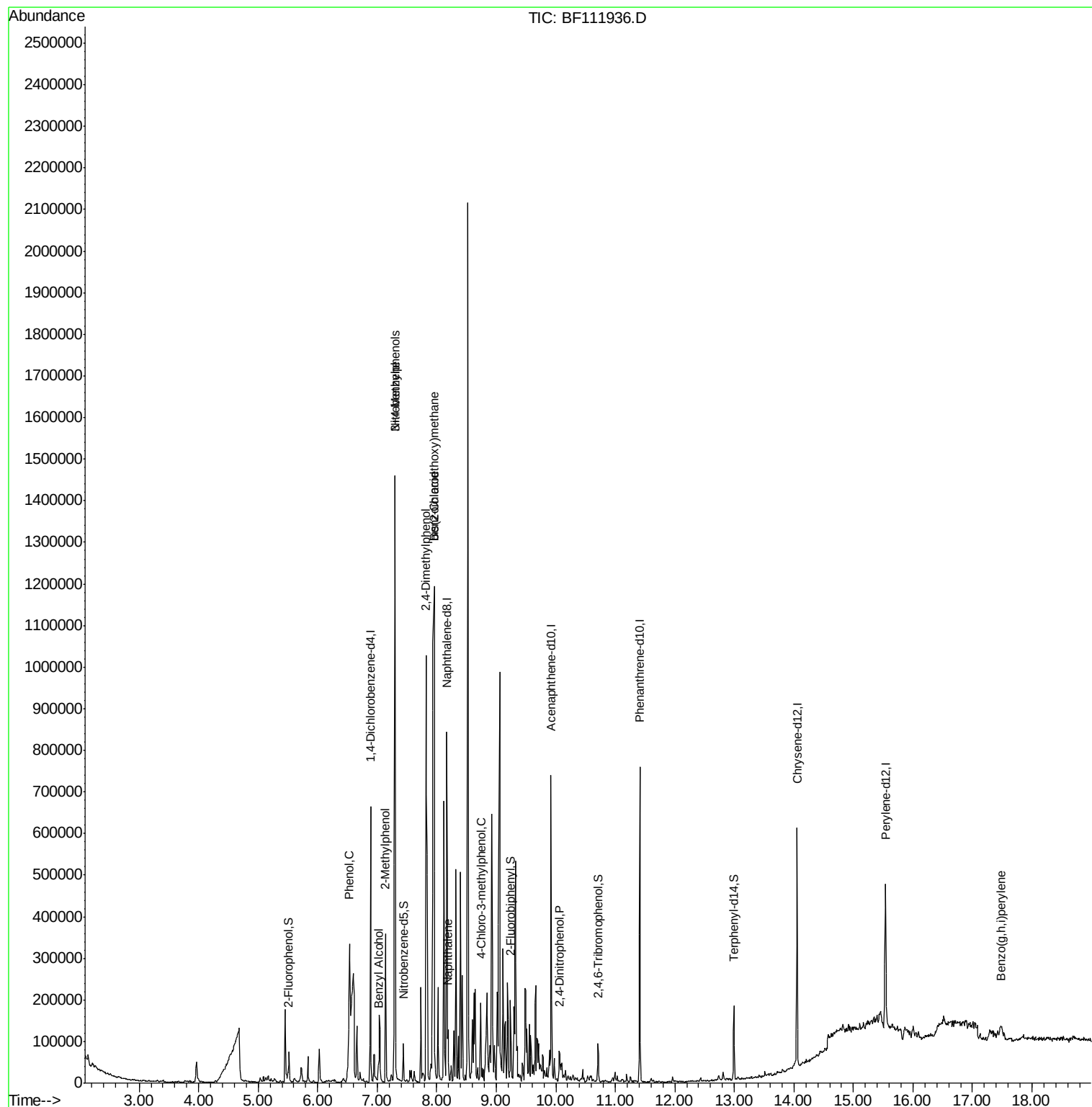
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1641	Below Cal		# 89
10) Phenol	6.53	94	68053	9.291	ng	# 74
15) Benzyl Alcohol	7.02	79	15496	2.906	ng	97
17) 2-Methylphenol	7.14	107	49838	10.681	ng	94
20) 3+4-Methylphenols	7.30	107	338079	58.215	ng	# 66
24) Nitrobenzene	7.30	77	118249	18.905	ng	# 44
27) 2,4-Dimethylphenol	7.82	122	229593	51.558	ng	98
28) bis(2-Chloroethoxy)methane	7.96	93	15790	2.363	ng	# 1
31) Naphthalene	8.19	128	47356	3.019	ng	98
32) Benzoic acid	7.96	122	349442	120.924	ng	# 11
36) 4-Chloro-3-methylphenol	8.73	107	16033	3.149	ng	# 19
54) 2,4-Dinitrophenol	10.07	184	2452	2.397	ng	# 60
92) Benzo(a,h,i)perylene	17.49	276	17385	2.517	ng	# 93

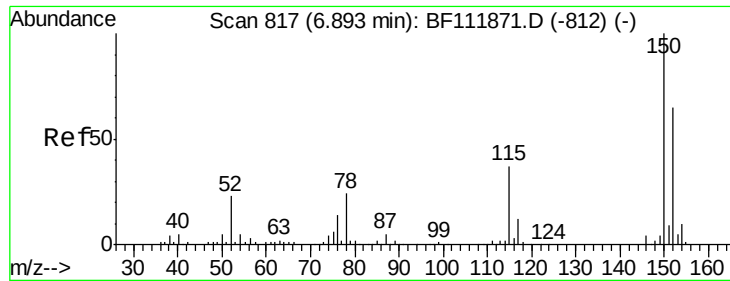
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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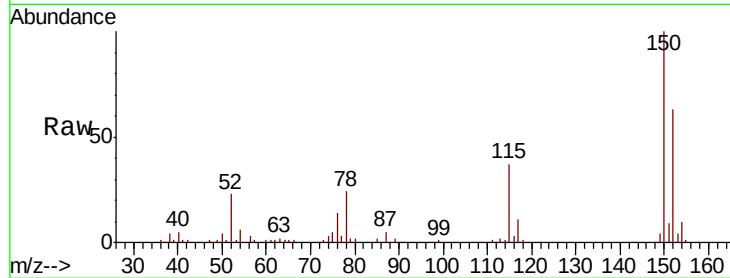


#1

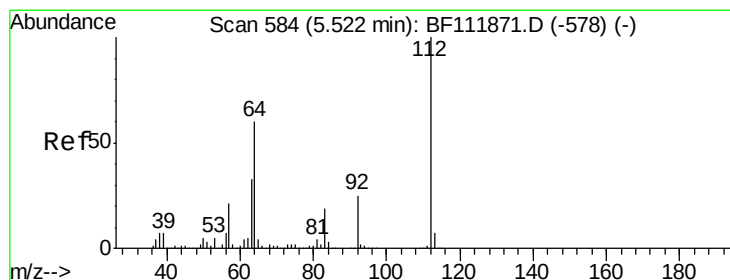
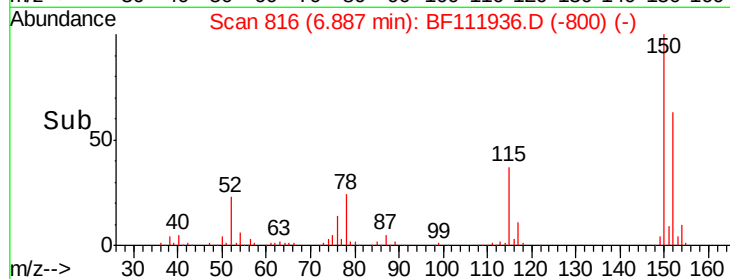
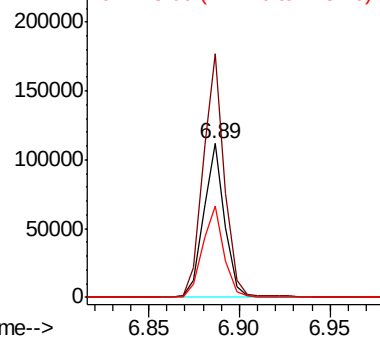
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89452
Ion Ratio Lower Upper
152 100
150 158.2 122.7 184.1
115 59.1 45.2 67.8



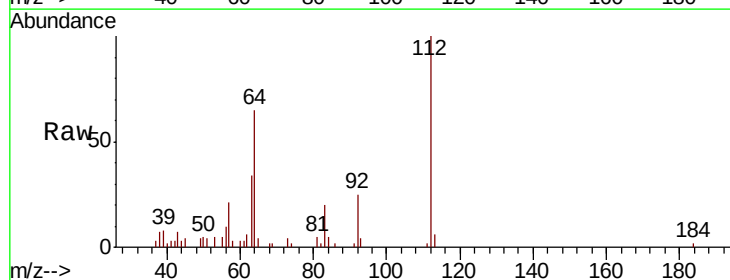
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



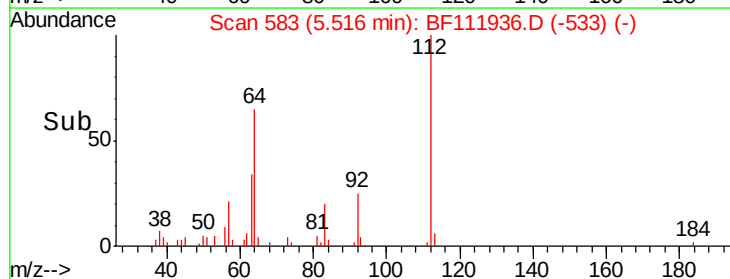
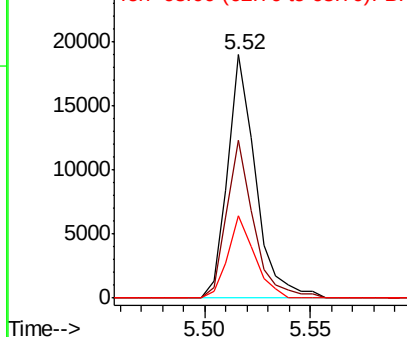
#5

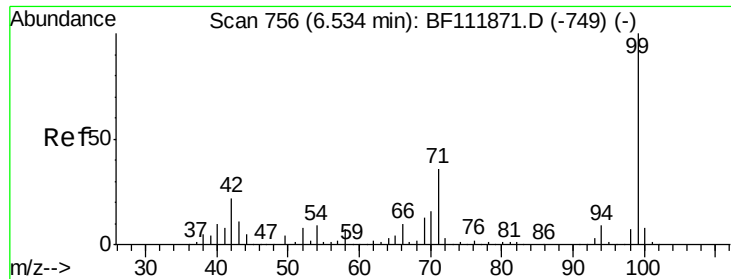
2-Fluorophenol
Concen: 3.306 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Tgt Ion:112 Resp: 17285
Ion Ratio Lower Upper
112 100
64 64.7 48.3 72.5
63 33.6 26.1 39.1



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: 1.969 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

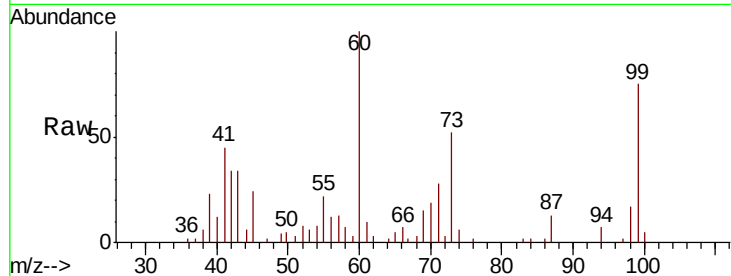
Instrument :

BNA_F

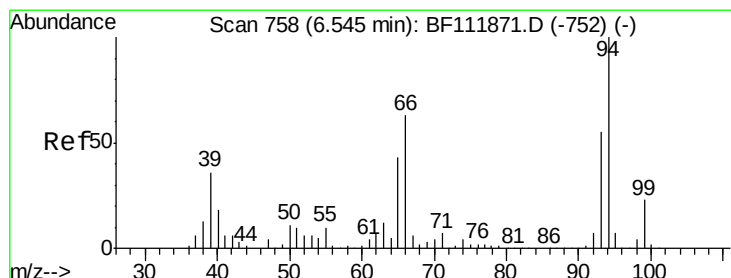
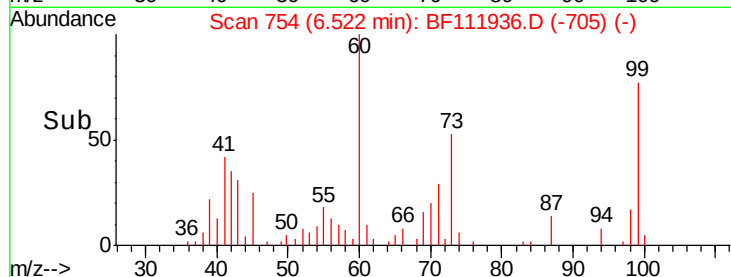
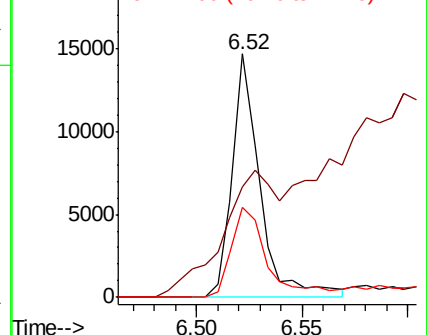
ClientSampled :

Tot Ion: 99 Resp: 13270

Ion	Ratio	Lower	Upper
99	100		
42	45.5	17.9	26.9#
71	37.2	28.7	43.1



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



#10

Phenol

Concen: 9.291 ng

RT: 6.53 min Scan# 756

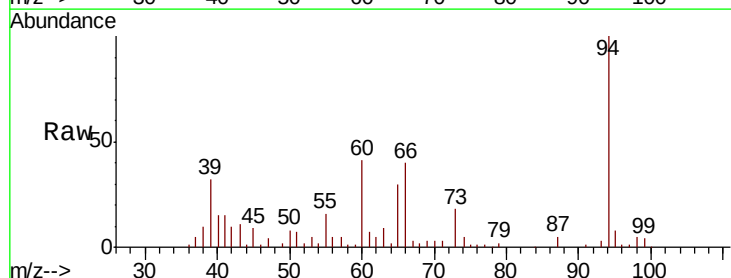
Delta R.T. -0.01 min

Lab File: BF111936.D

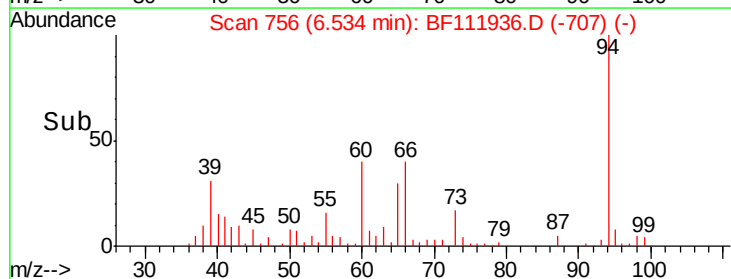
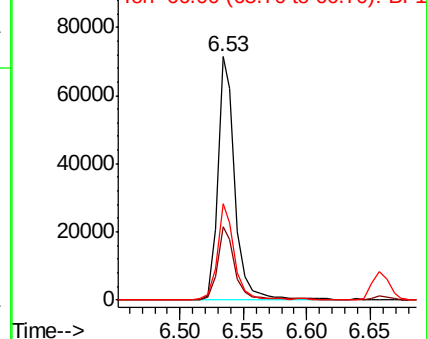
Acq: 9 Jan 2019 7:40

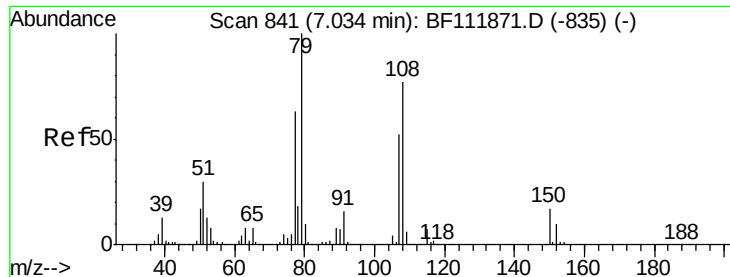
Tgt Ion: 94 Resp: 68053

Ion	Ratio	Lower	Upper
94	100		
65	30.1	22.8	62.8
66	39.5	43.3	83.3#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.906 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

Instrument :

BNA_F

ClientSampleId :

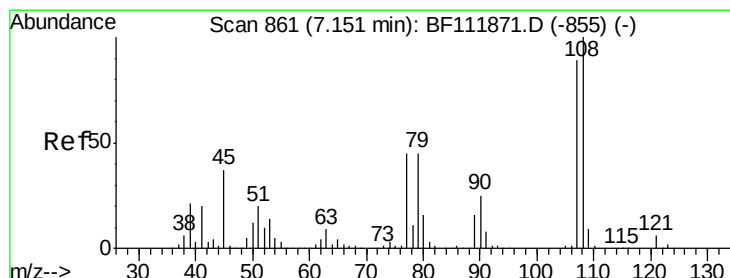
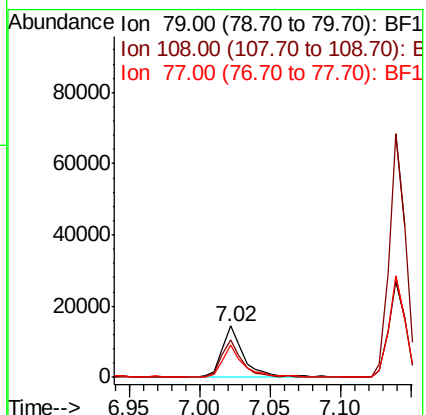
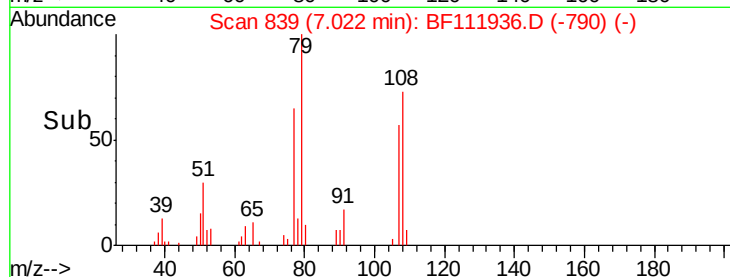
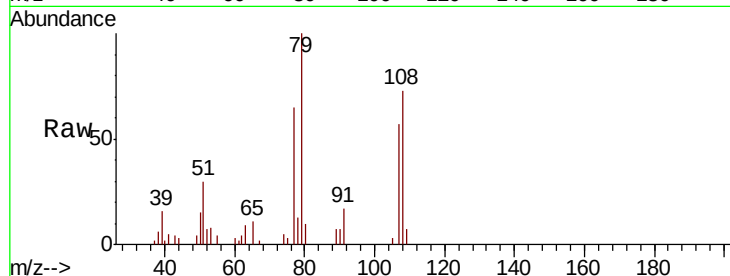
Tot Ion: 79 Resp: 15496

Ion Ratio Lower Upper

79 100

108 73.0 61.4 92.0

77 64.6 50.4 75.6



#17

2-Methylphenol

Concen: 10.681 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

Tgt Ion: 107 Resp: 49838

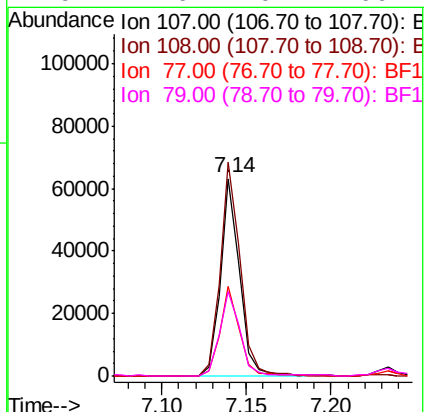
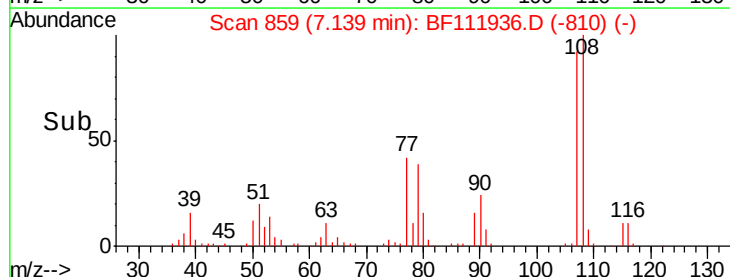
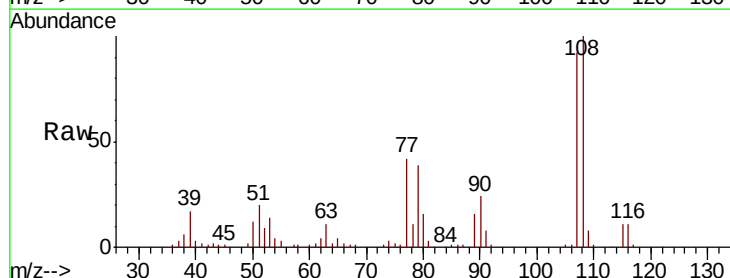
Ion Ratio Lower Upper

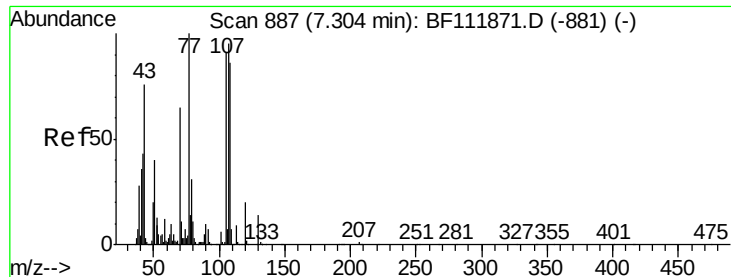
107 100

108 108.3 89.7 134.5

77 45.2 40.6 60.8

79 42.6 40.2 60.2

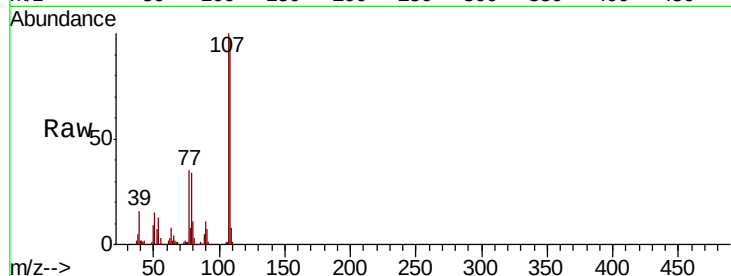




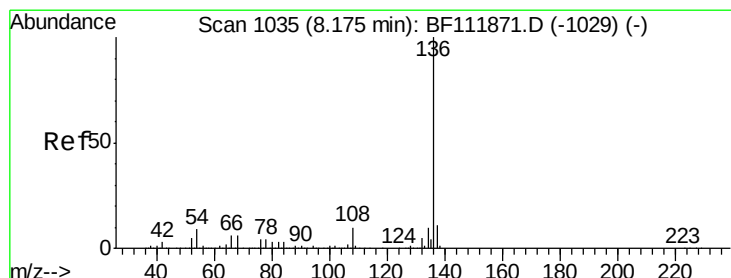
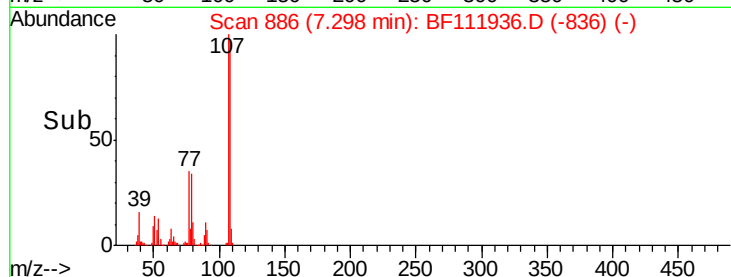
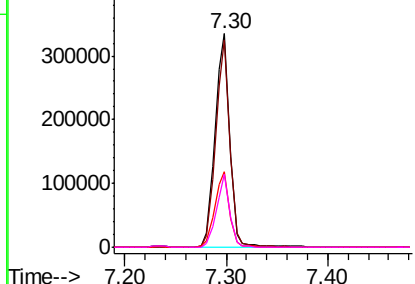
#20
3+4-Methylphenols
Concen: 58.215 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	338079
Ion	Ratio	Lower	Upper
107	100		
108	97.0	71.1	111.1
77	35.1	85.4	125.4#
79	34.0	12.4	52.4

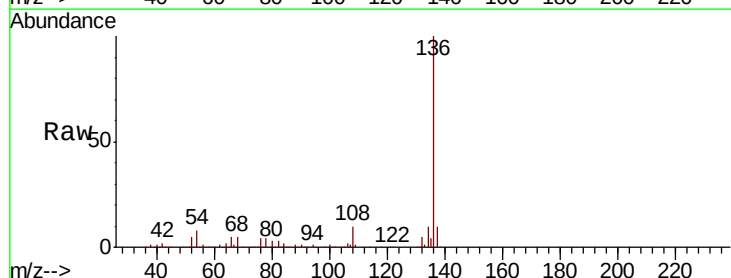


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

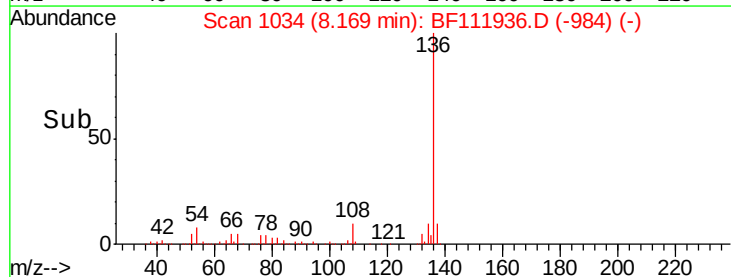
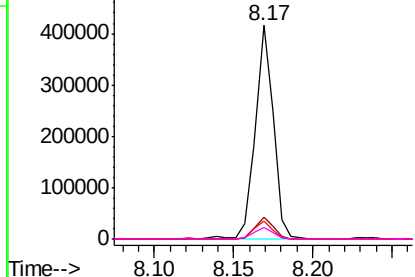


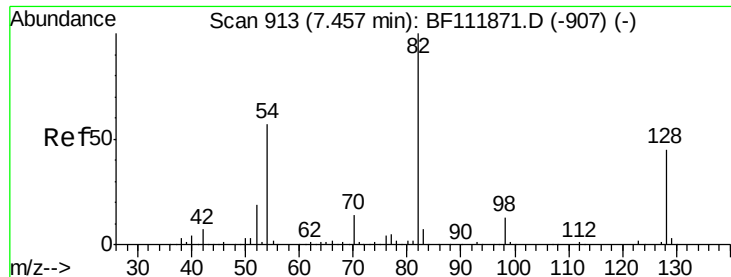
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Tgt Ion:	136	Resp:	330470
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	8.3	7.2	10.8
68	5.2	4.4	6.6



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

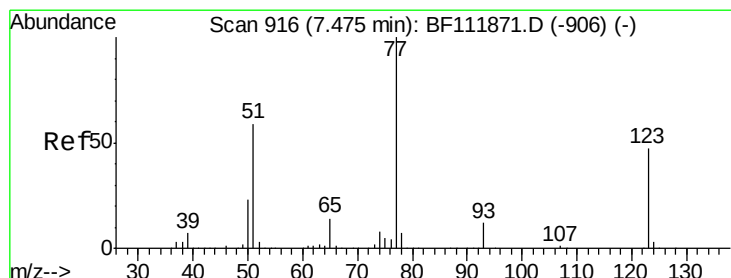
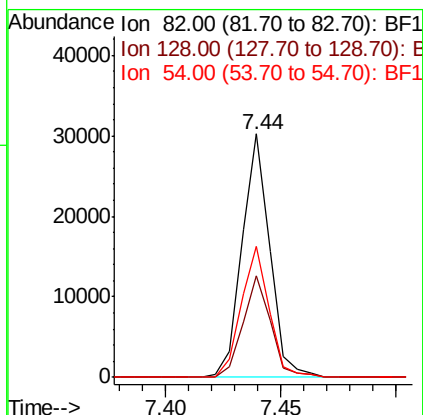
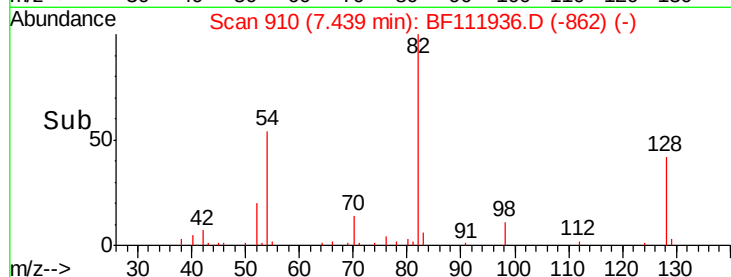
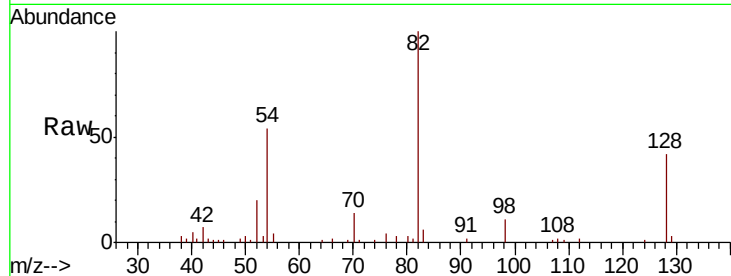




#23
 Nitrobenzene-d5
 Concen: 4.101 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

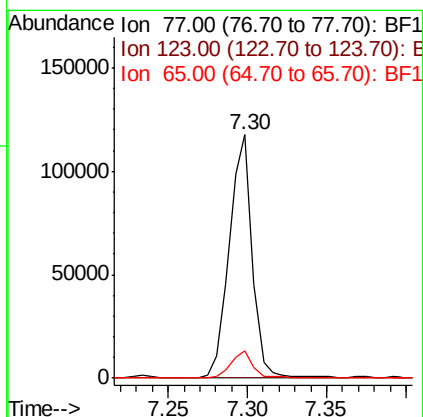
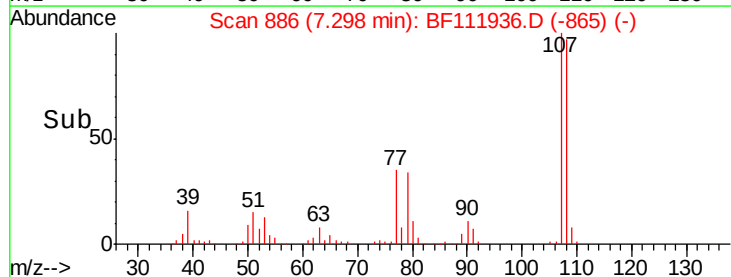
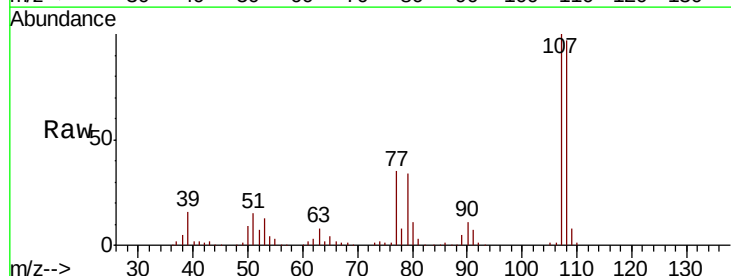
Instrument :
 BNA_F
 ClientSampleId :

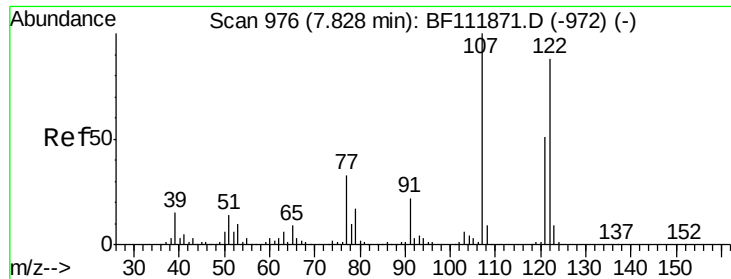
Tot Ion: 82 Resp: 25360
 Ion Ratio Lower Upper
 82 100
 128 41.9 35.7 53.5
 54 53.9 45.8 68.8



#24
 Nitrobenzene
 Concen: 18.905 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.18 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

Tgt Ion: 77 Resp: 118249
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.1 57.1#
 65 11.4 11.0 16.4

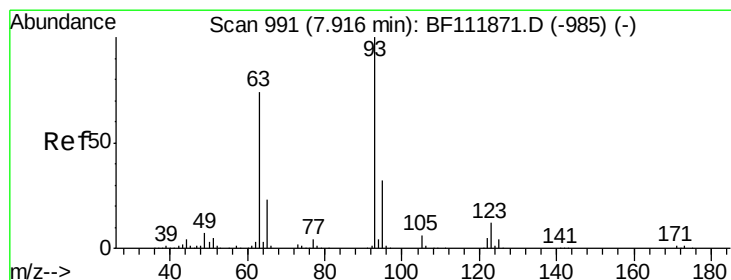
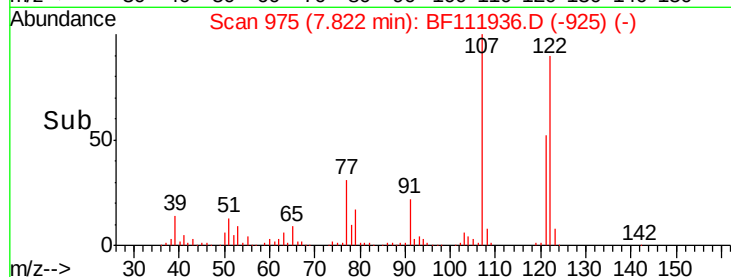
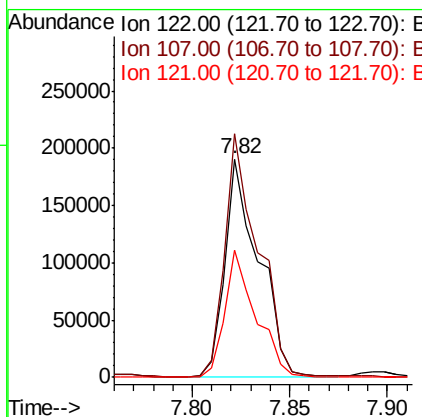
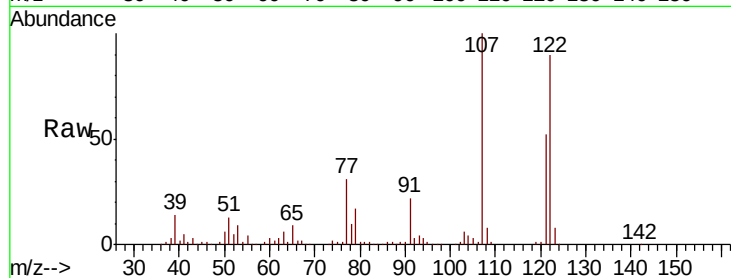




#27
 2,4-Dimethylphenol
 Concen: 51.558 ng
 RT: 7.82 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

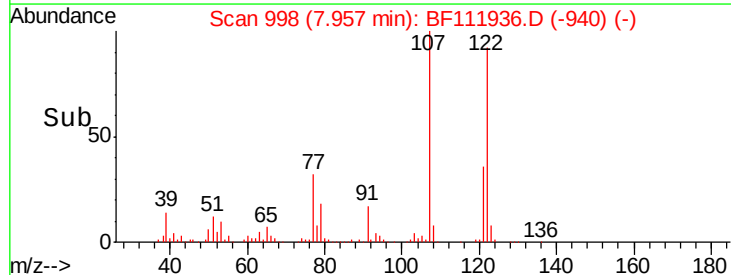
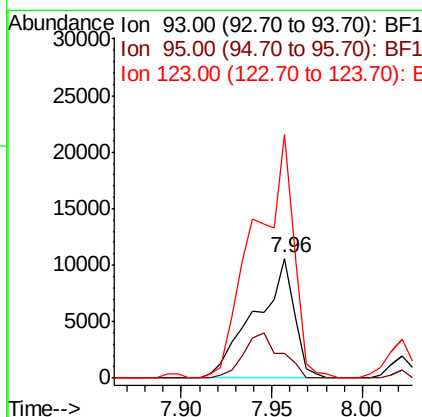
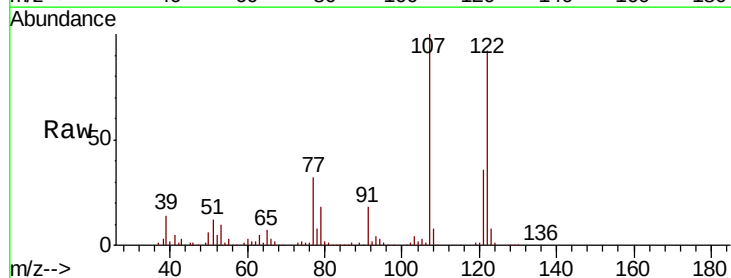
Instrument :
 BNA_F
 ClientSampled :

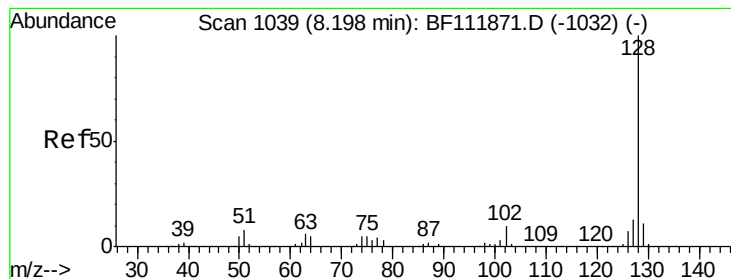
Tot Ion:122 Resp: 229593
 Ion Ratio Lower Upper
 122 100
 107 111.5 91.0 136.6
 121 58.2 46.8 70.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.363 ng
 RT: 7.96 min Scan# 998
 Delta R.T. 0.04 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

Tgt Ion: 93 Resp: 15790
 Ion Ratio Lower Upper
 93 100
 95 20.5 25.8 38.6#
 123 203.6 9.5 14.3#





#31

Naphthalene

Concen: 3.019 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

Instrument :

BNA_F

ClientSampleId :

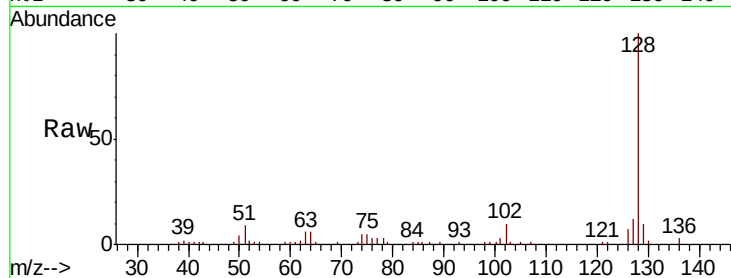
Tot Ion:128 Resp: 47356

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.4

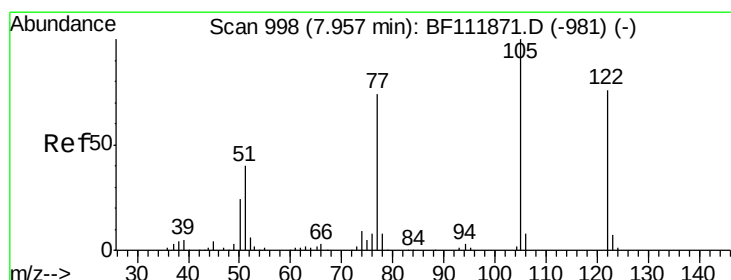
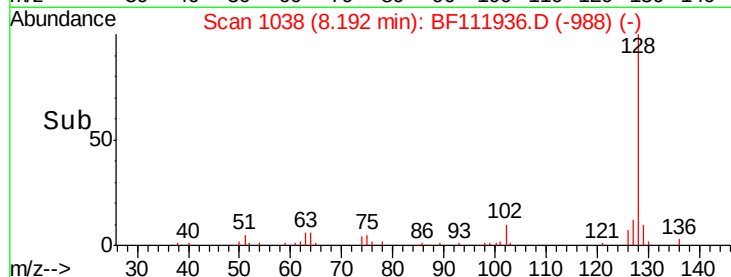
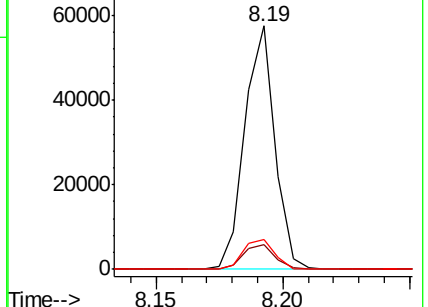
127 12.5 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 120.924 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

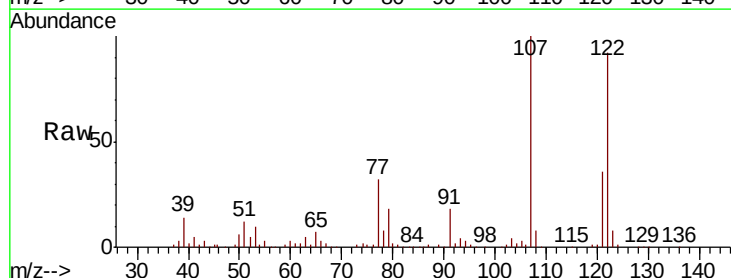
Tgt Ion:122 Resp: 349442

Ion Ratio Lower Upper

122 100

105 3.8 107.9 147.9#

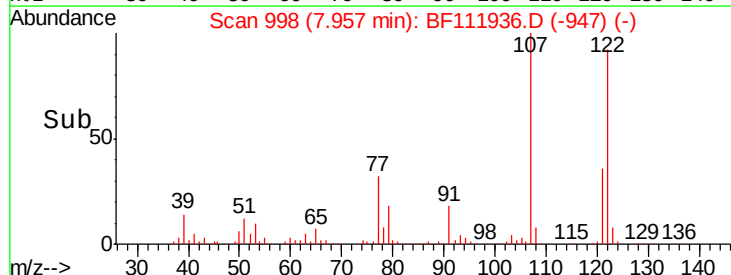
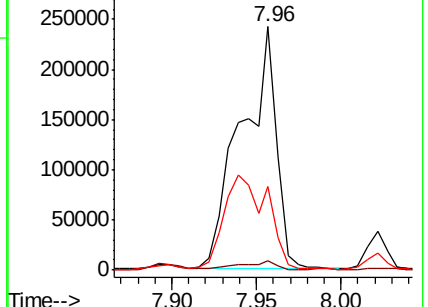
77 34.5 76.6 116.6#

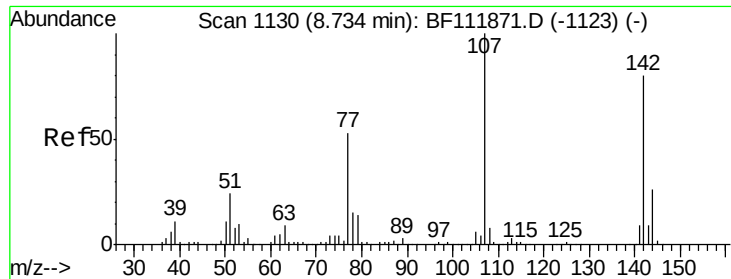


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

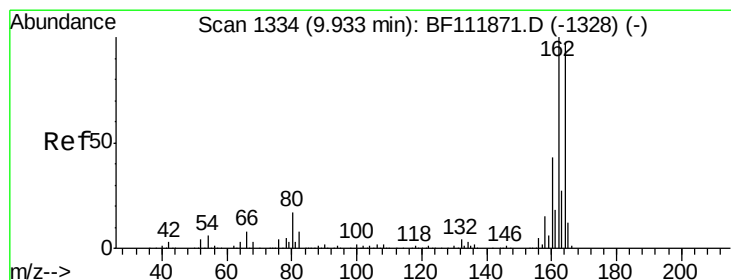
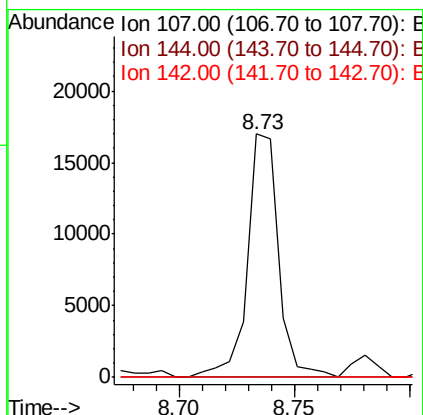
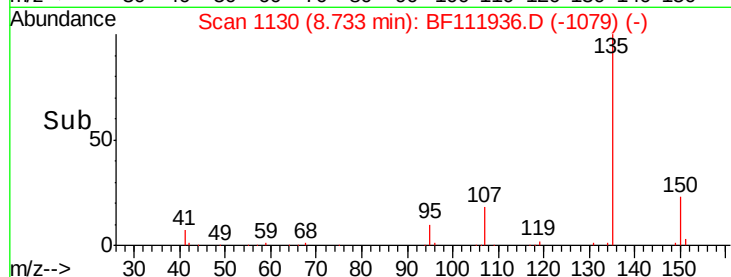
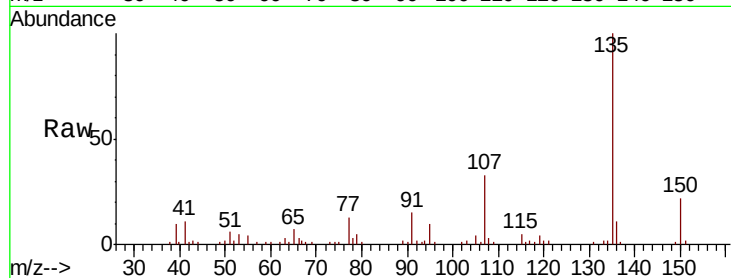




#36
4-Chloro-3-methylphenol
Concen: 3.149 ng
RT: 8.73 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

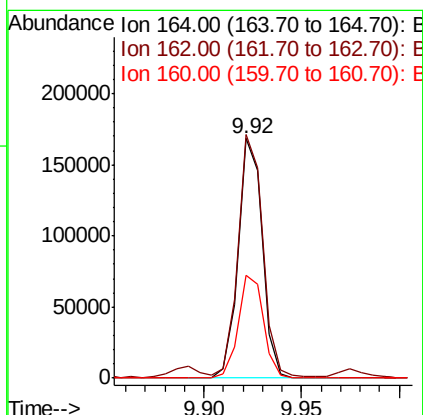
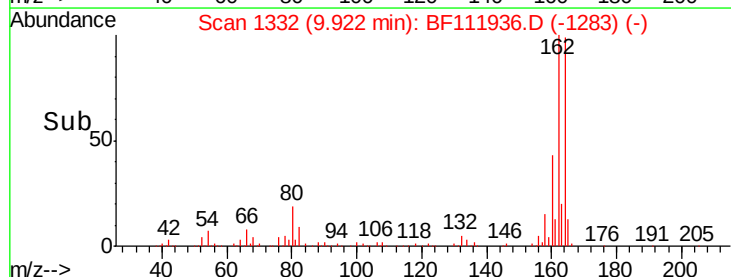
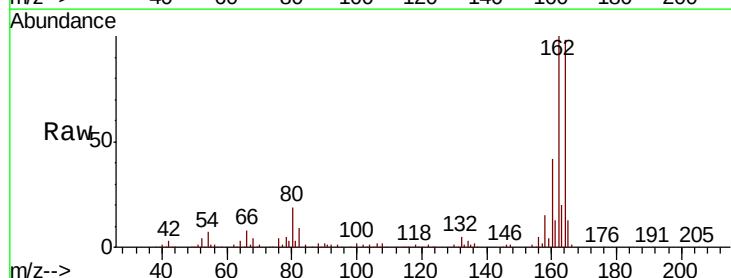
Instrument :
BNA_F
ClientSampled :

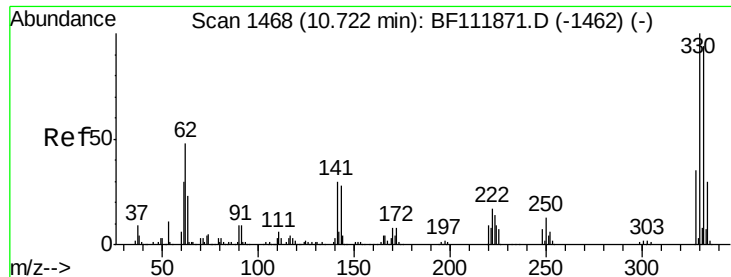
Tot Ion:107 Resp: 16033
Ion Ratio Lower Upper
107 100
144 0.0 20.7 31.1#
142 0.0 63.9 95.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Tgt Ion:164 Resp: 143837
Ion Ratio Lower Upper
164 100
162 101.6 82.2 123.2
160 43.1 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 5.887 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

Instrument :

BNA_F

ClientSampled :

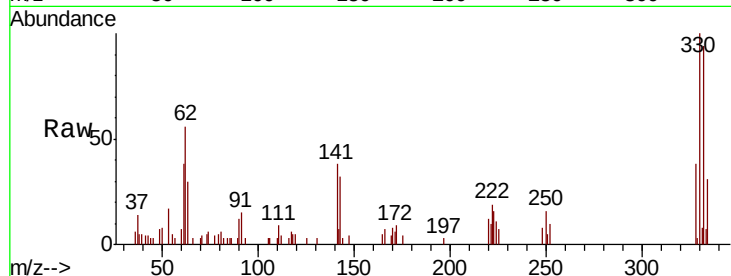
Tot Ion:330 Resp: 11014

Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

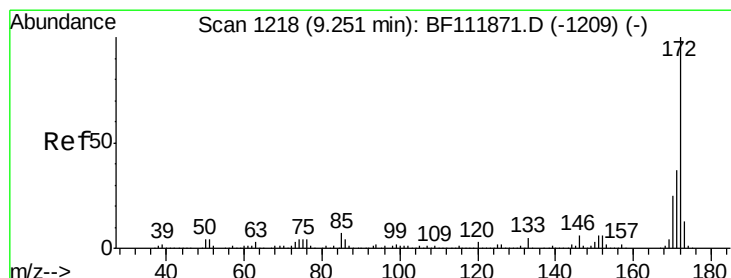
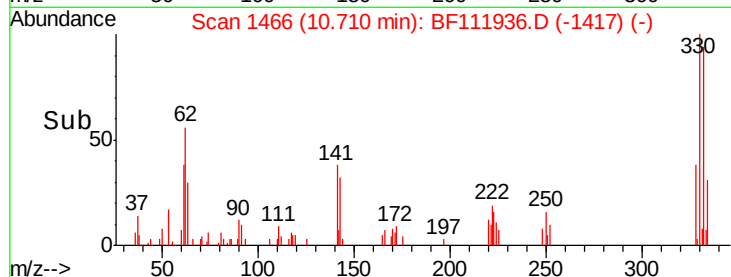
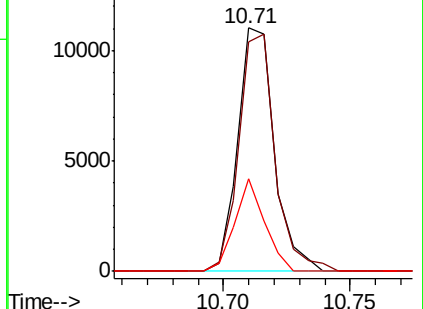
141 31.0 23.7 35.5



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: 5.164 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF111936.D

Acq: 9 Jan 2019 7:40

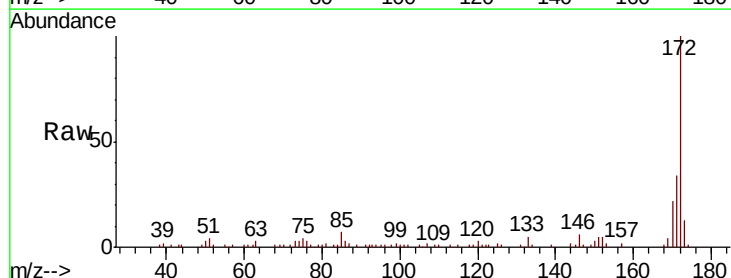
Tgt Ion:172 Resp: 50937

Ion Ratio Lower Upper

172 100

171 34.1 29.6 44.4

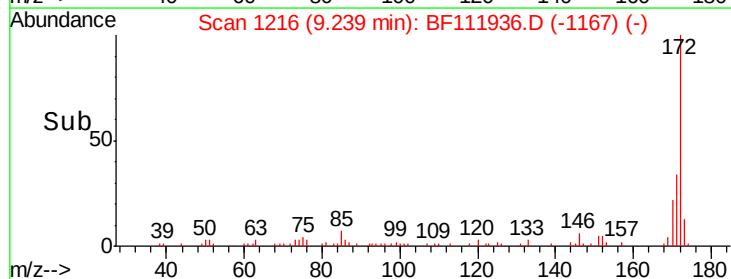
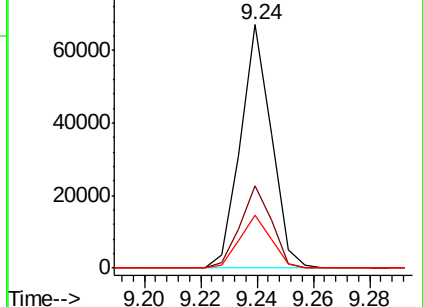
170 21.7 19.8 29.8

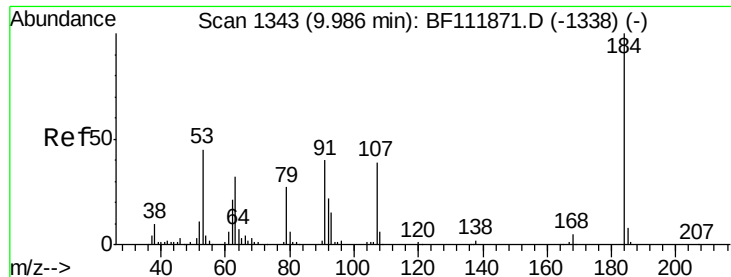


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

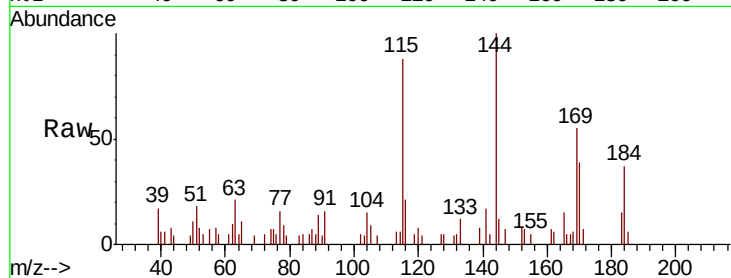




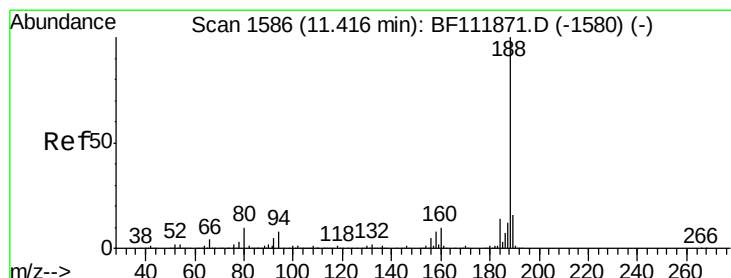
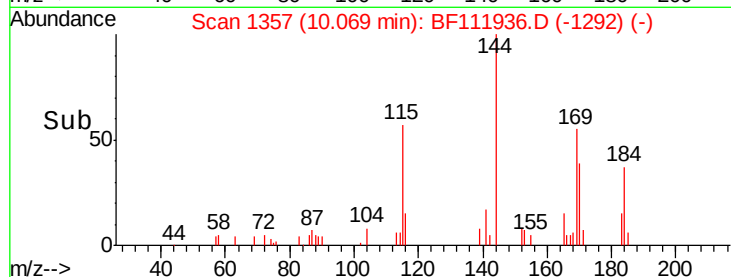
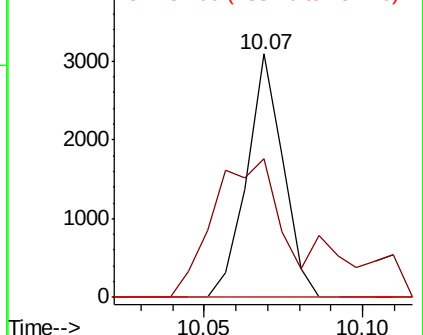
#54
 2,4-Dinitrophenol
 Concen: 2.397 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.08 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 2452
 Ion Ratio Lower Upper
 184 100
 63 56.8 46.9 70.3
 154 0.0 46.9 70.3#

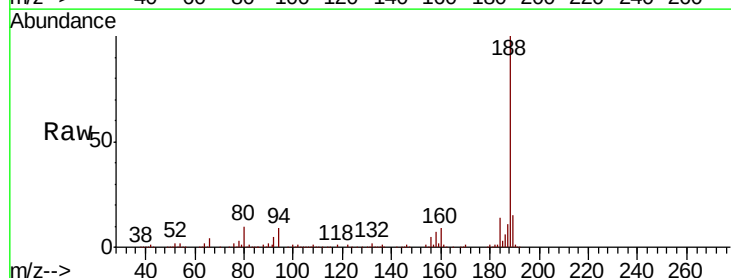


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

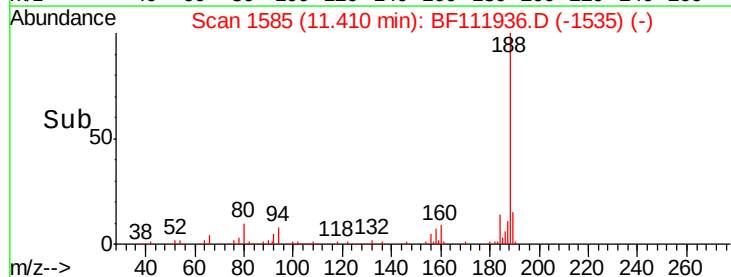
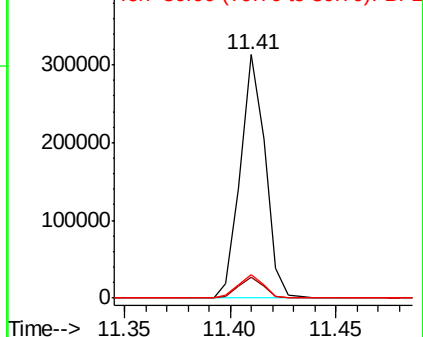


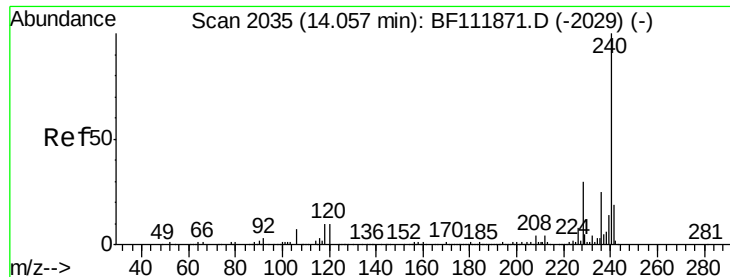
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

Tgt Ion:188 Resp: 256944
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 10.0
 80 9.8 7.7 11.5



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

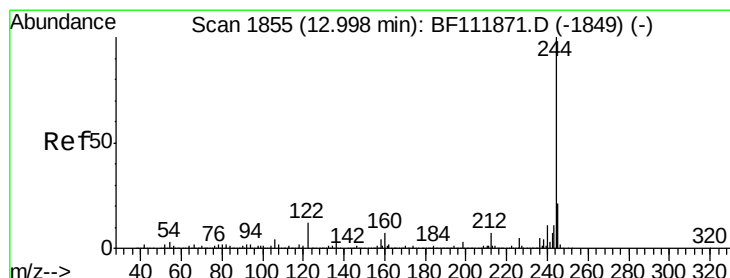
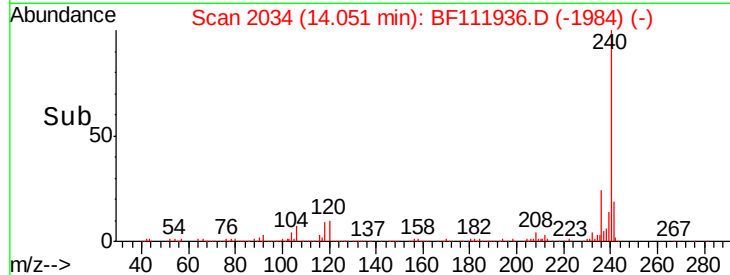
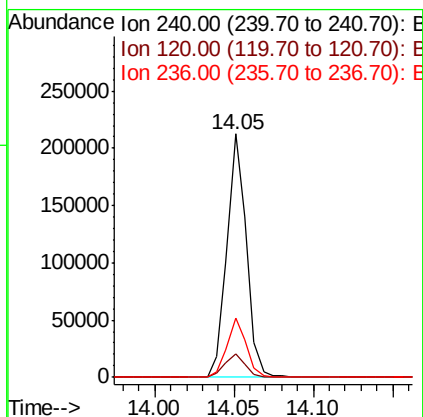
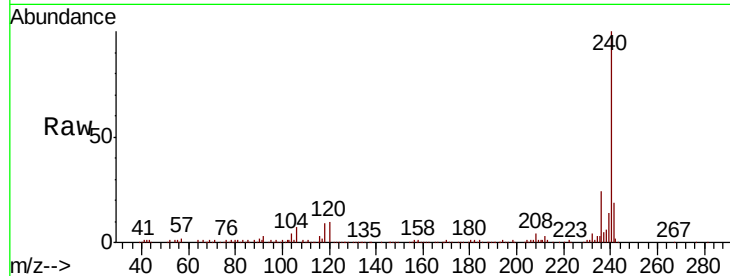




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

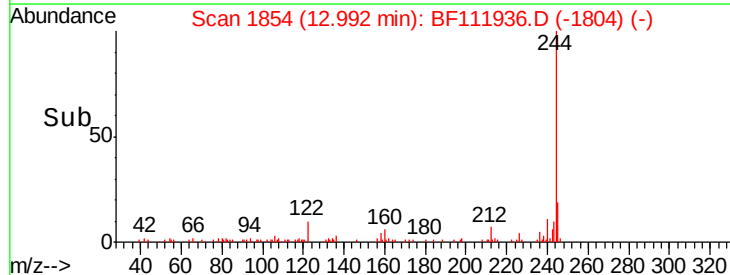
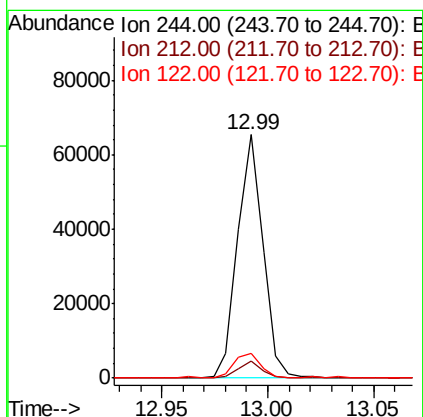
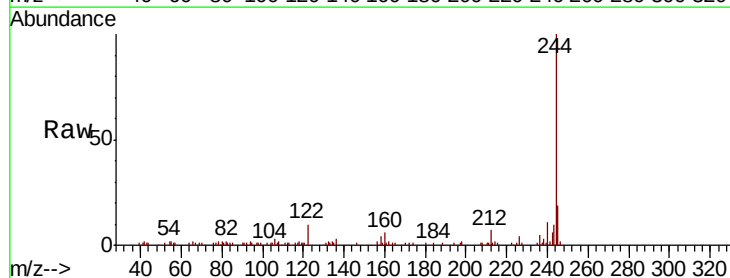
Instrument :
 BNA_F
 ClientSampled :

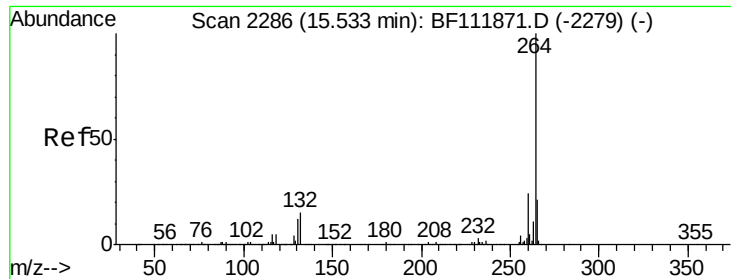
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.2	12.2
236	24.5	20.2	30.4



#79
 Terphenyl-d14
 Concen: 5.733 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111936.D
 Acq: 9 Jan 2019 7:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.0	9.5	14.3

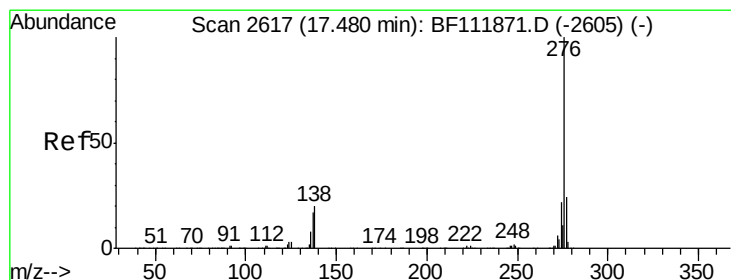
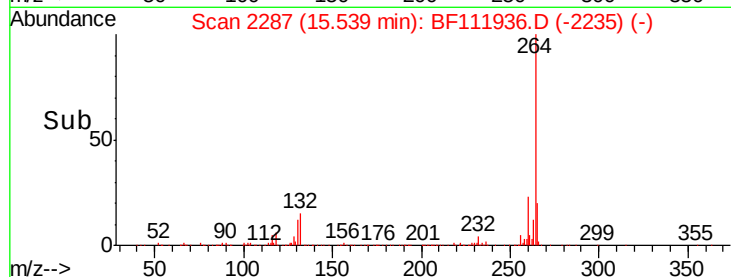
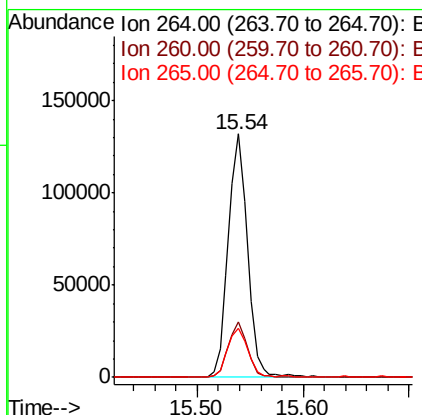
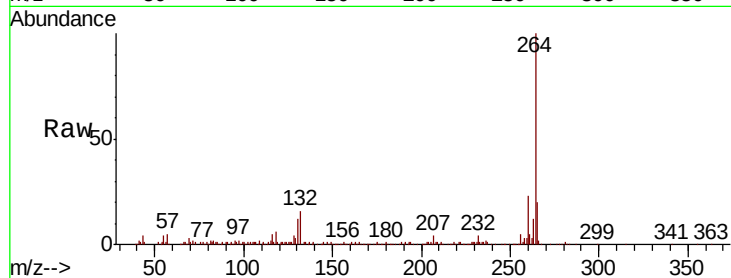




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	20.2	17.1	25.7



#92
Benzo(g,h,i)perylene
Concen: 2.517 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF111936.D
Acq: 9 Jan 2019 7:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.0	28.6#
138	18.4	16.2	24.2

