

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111446.D
 Acq On : 15 Dec 2018 4:21
 Operator : JU/SJ
 Sample : J6305-07DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-02DL

Quant Time: Dec 15 04:56:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

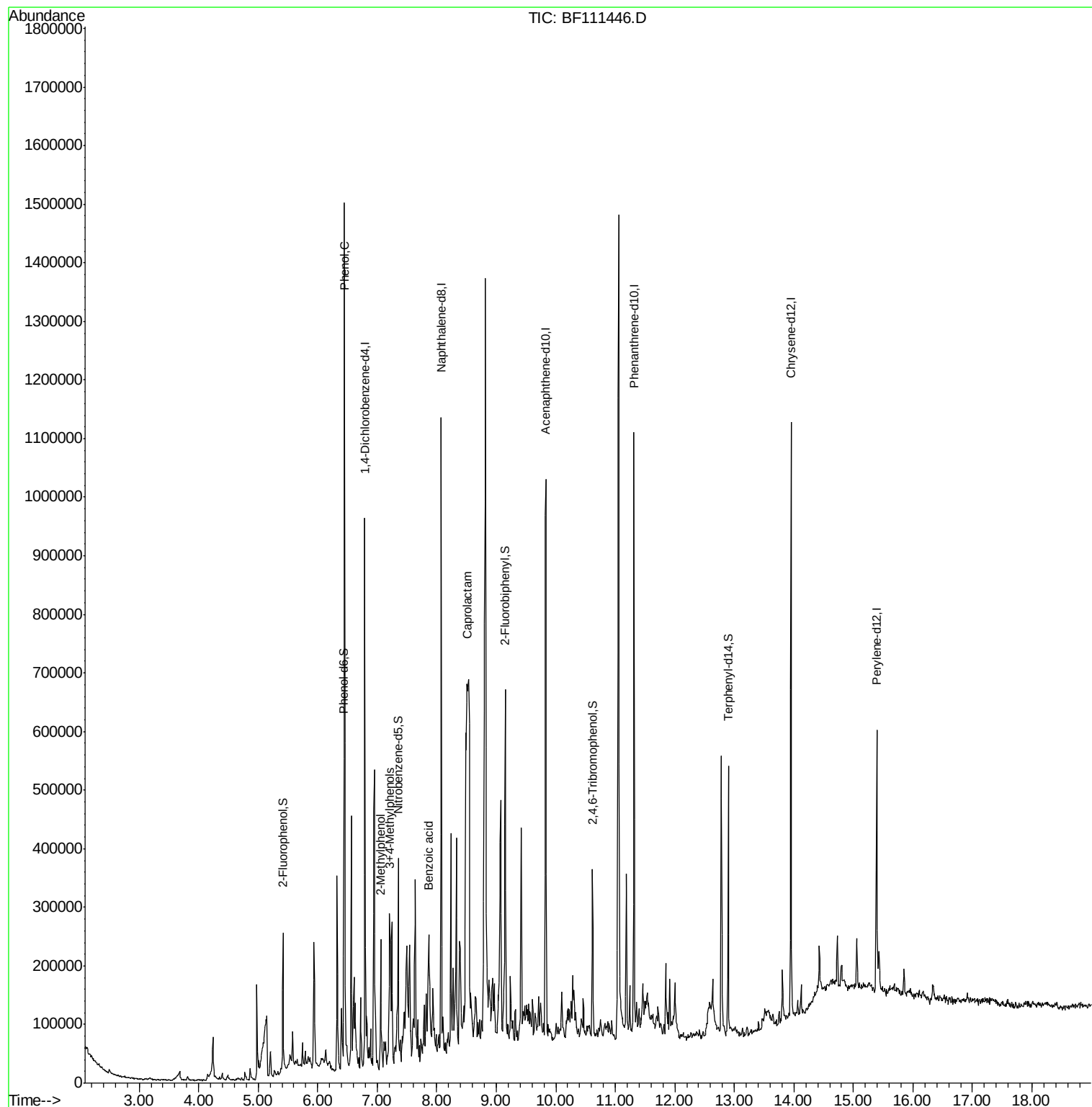
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	130595	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	476883	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	190924	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	358473	20.00	ng	0.00
76) Chrysene-d12	13.95	240	315457	20.00	ng	0.00
87) Perylene-d12	15.39	264	197349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	65286	8.32	ng	0.00
7) Phenol-d6	6.43	99	47549	4.55	ng	0.00
23) Nitrobenzene-d5	7.35	82	89677	11.20	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	28316	16.56	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	153962	12.46	ng	0.00
79) Terphenyl-d14	12.90	244	144274	10.74	ng	0.00
Target Compounds						
10) Phenol	6.45	94	501956	43.164	ng	Qvalue 92
17) 2-Methylphenol	7.06	107	37382	4.953	ng	96
20) 3+4-Methylphenols	7.21	107	52424	5.538	ng	# 62
32) Benzoic acid	7.87	122	71036	13.384	ng	# 68
35) Caprolactam	8.51	113	147251	60.490	ng	98

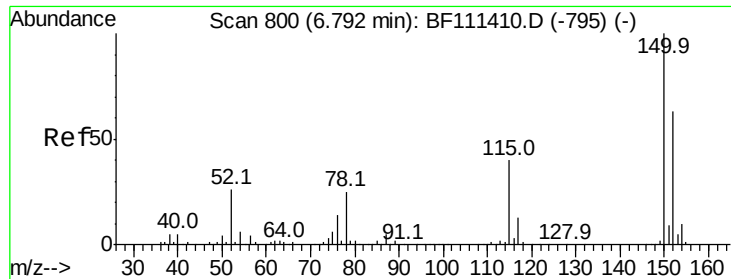
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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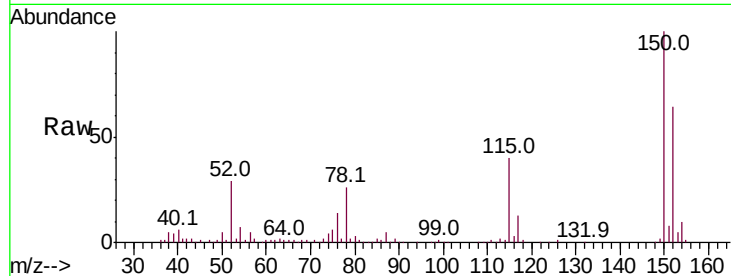


#1

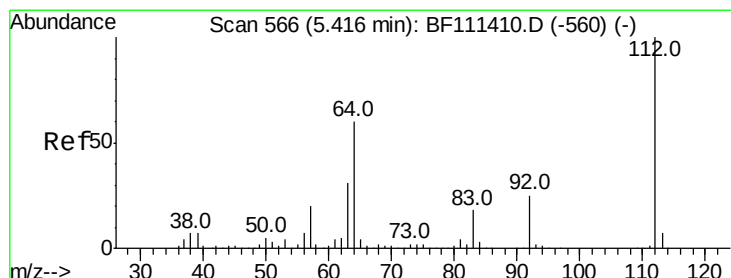
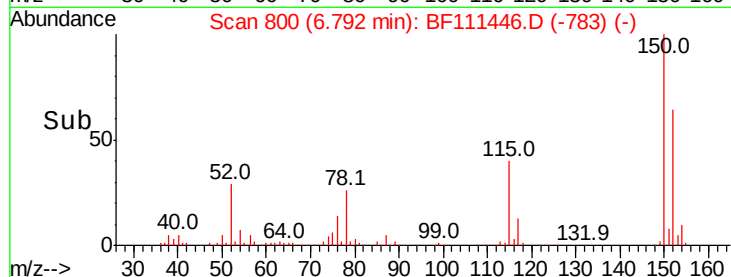
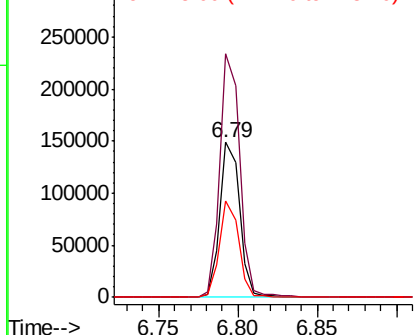
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-02DL

Tot Ion:152 Resp: 130595
 Ion Ratio Lower Upper
 152 100
 150 156.9 126.6 189.8
 115 62.2 50.7 76.1



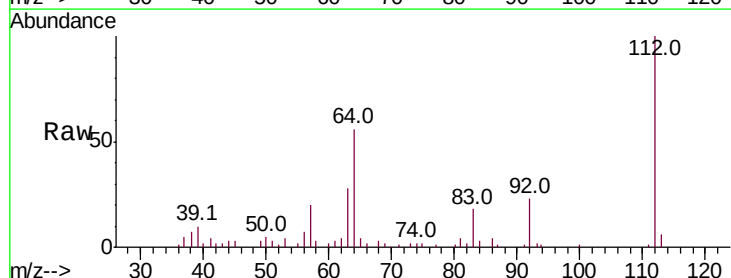
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



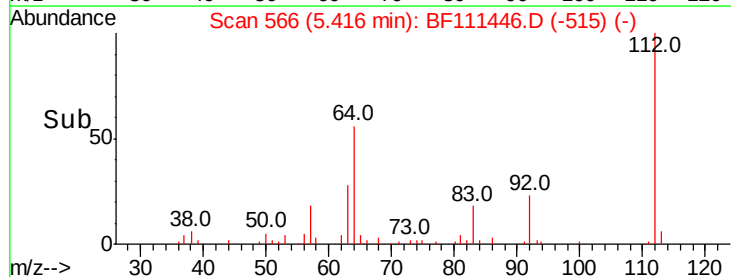
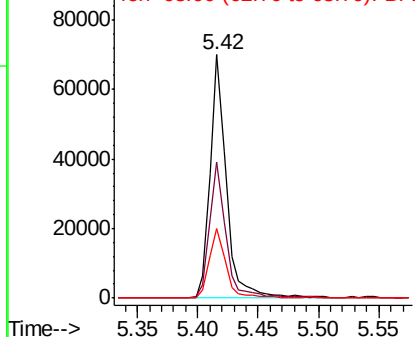
#5

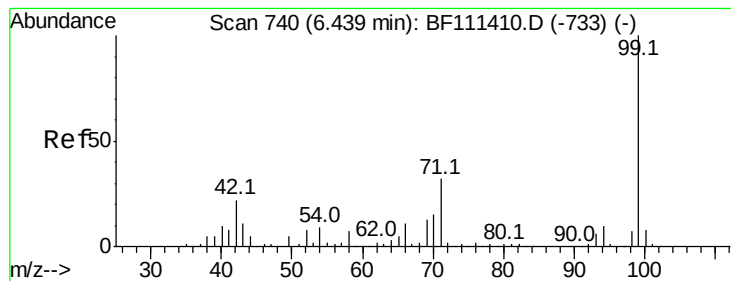
2-Fluorophenol
 Concen: 8.319 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

Tgt Ion:112 Resp: 65286
 Ion Ratio Lower Upper
 112 100
 64 56.1 51.8 77.6
 63 28.3 26.8 40.2



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: 4.555 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

Instrument :

BNA_F

ClientSampleId :

P001-SW004-02DL

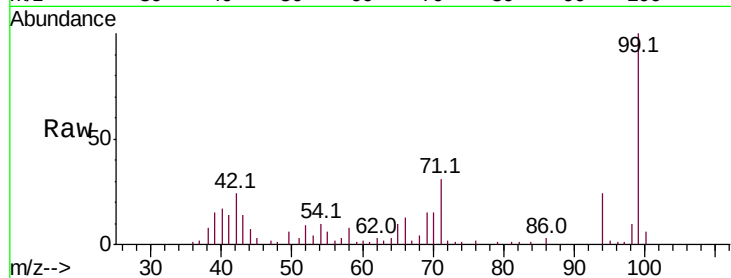
Tot Ion: 99 Resp: 47549

Ion Ratio Lower Upper

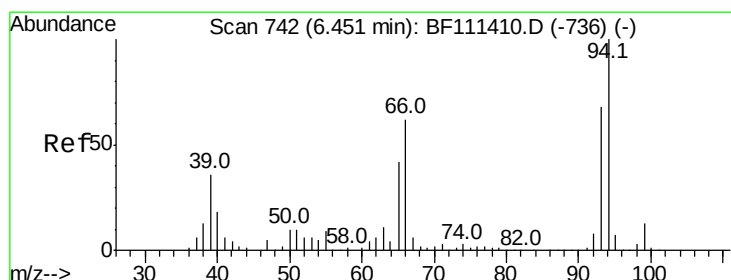
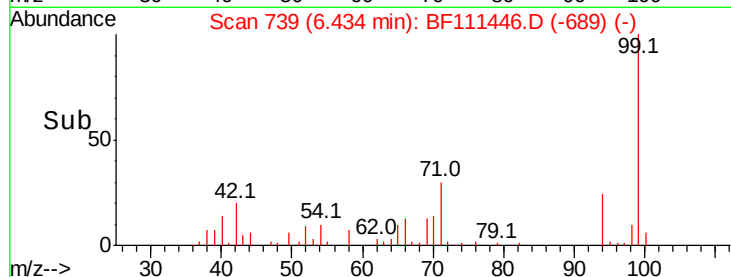
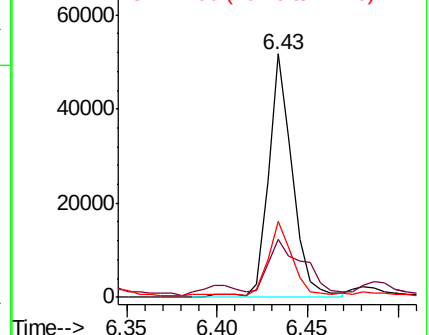
99 100

42 23.8 17.4 26.0

71 31.4 26.1 39.1



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: 43.164 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

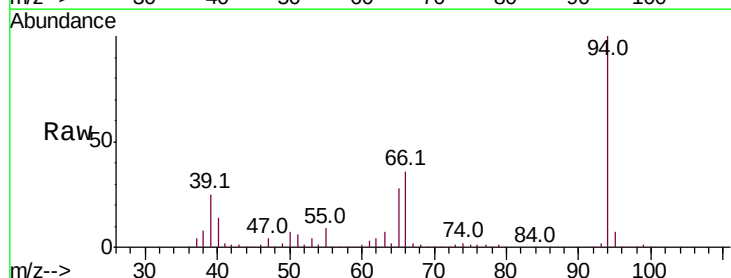
Tgt Ion: 94 Resp: 501956

Ion Ratio Lower Upper

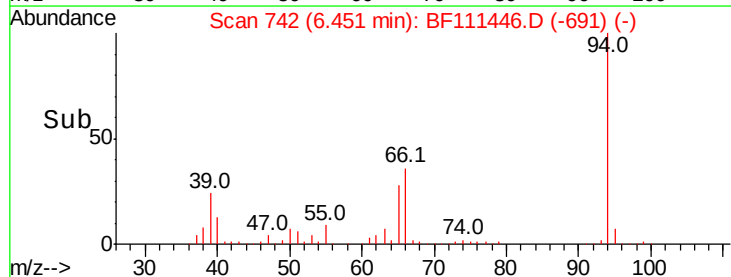
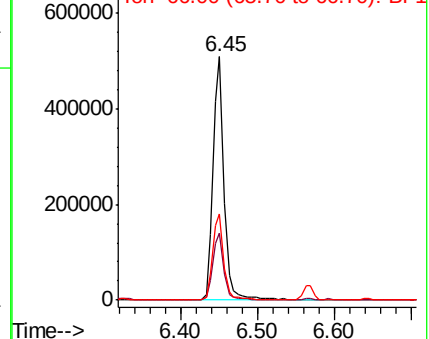
94 100

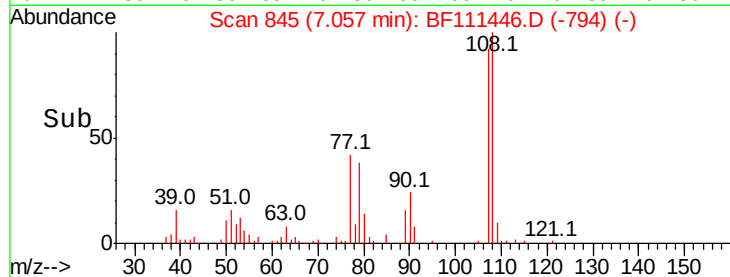
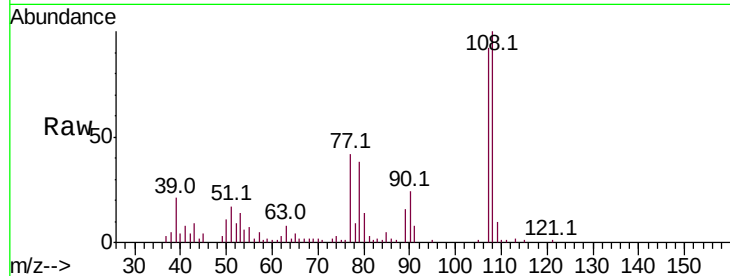
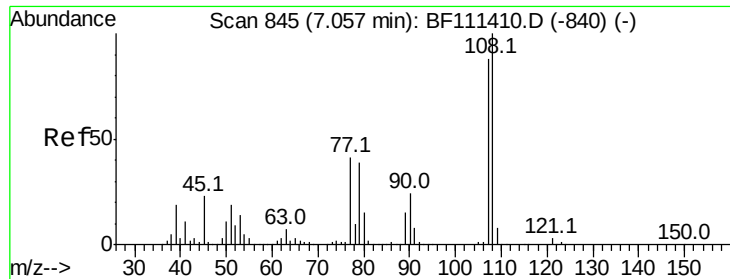
65 27.5 11.7 51.7

66 35.6 21.0 61.0



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

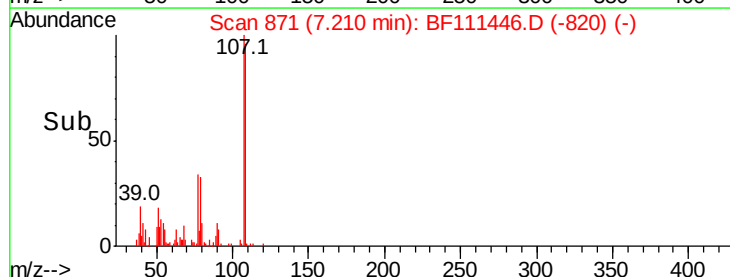
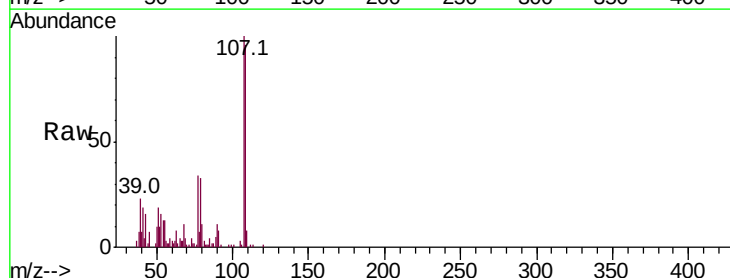
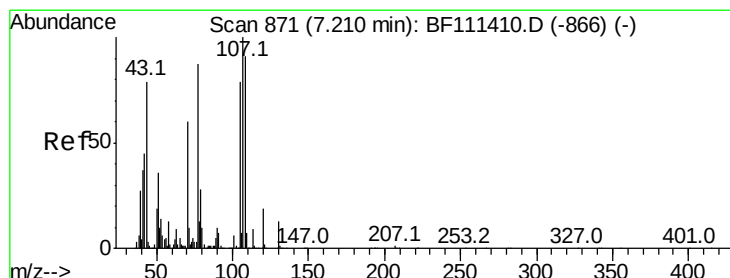
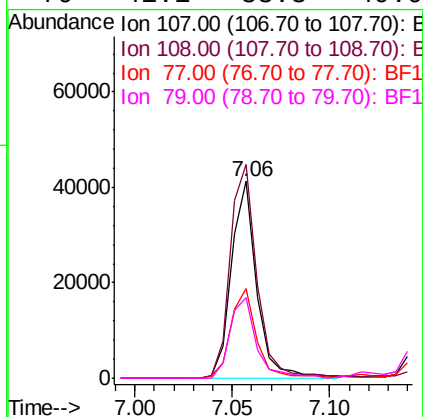




#17
2-Methylphenol
Concen: 4.953 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF111446.D
Acq: 15 Dec 2018 4:21

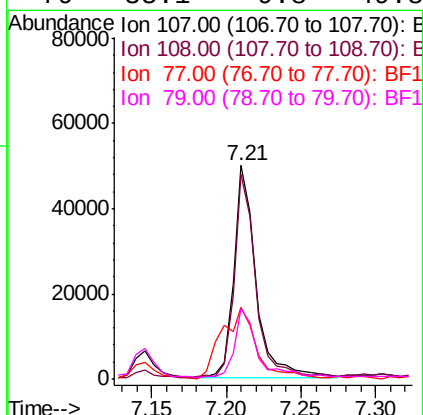
Instrument :
BNA_F
ClientSampleId :
P001-SW004-02DL

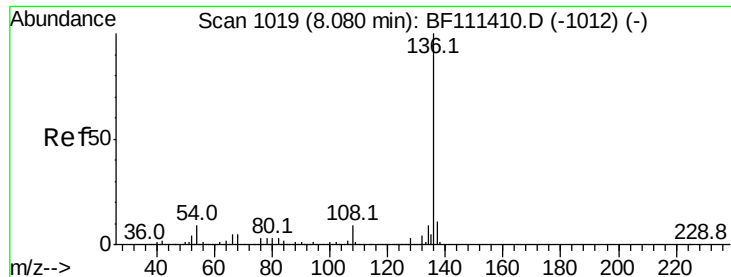
Tot Ion:	107	Resp:	37382
Ion	Ratio	Lower	Upper
107	100		
108	108.4	91.0	136.4
77	45.4	33.5	50.3
79	41.1	33.3	49.9



#20
3+4-Methylphenols
Concen: 5.538 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111446.D
Acq: 15 Dec 2018 4:21

Tgt Ion:	107	Resp:	52424
Ion	Ratio	Lower	Upper
107	100		
108	95.9	72.1	112.1
77	33.8	94.1	134.1#
79	33.1	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

Instrument :

BNA_F

ClientSampleId :

P001-SW004-02DL

Tot Ion:136 Resp: 476883

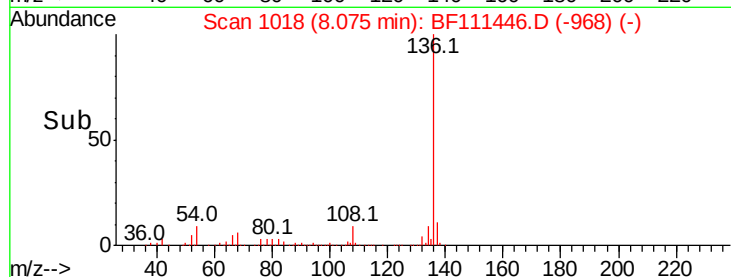
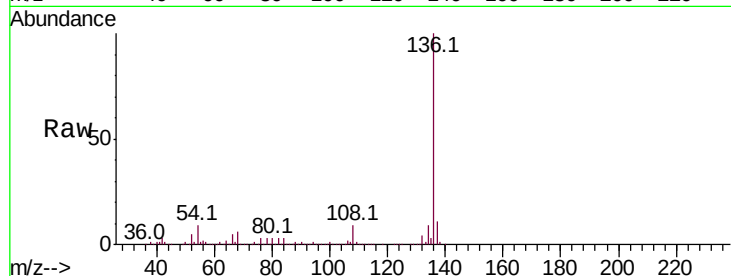
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.2 7.7 11.5

68 5.8 4.9 7.3

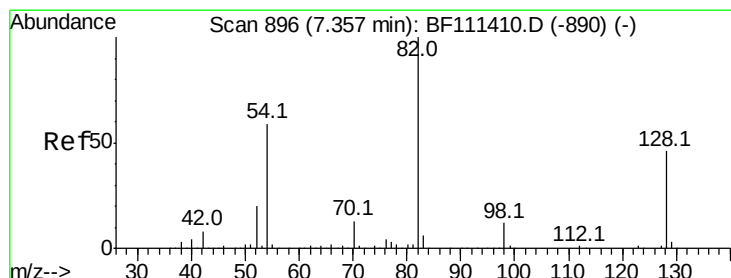
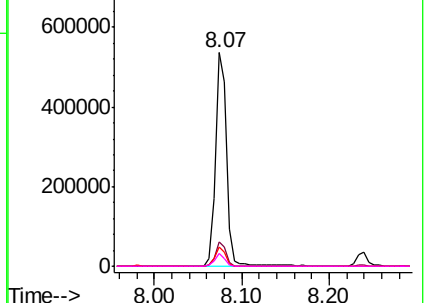


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.198 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

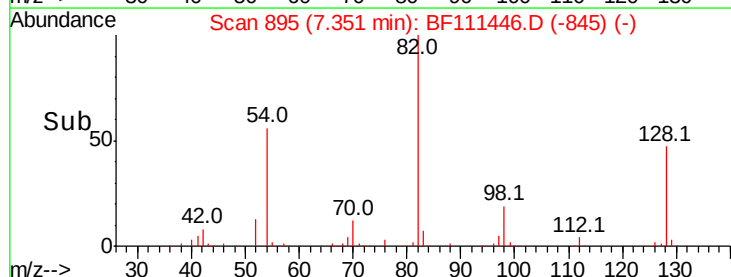
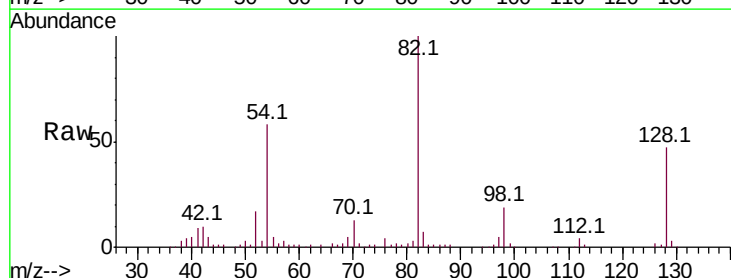
Tgt Ion: 82 Resp: 89677

Ion Ratio Lower Upper

82 100

128 47.2 37.4 56.2

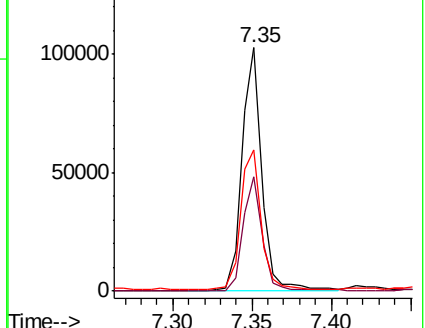
54 58.1 47.6 71.4

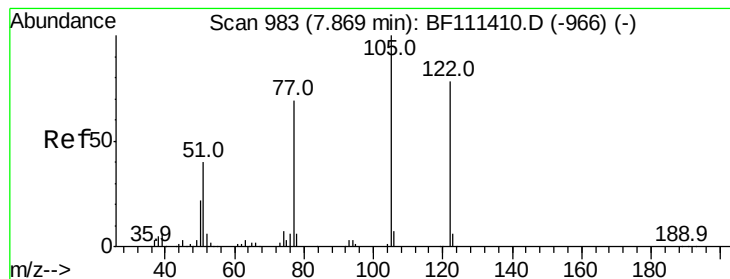


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 13.384 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

Instrument :

BNA_F

ClientSampleId :

P001-SW004-02DL

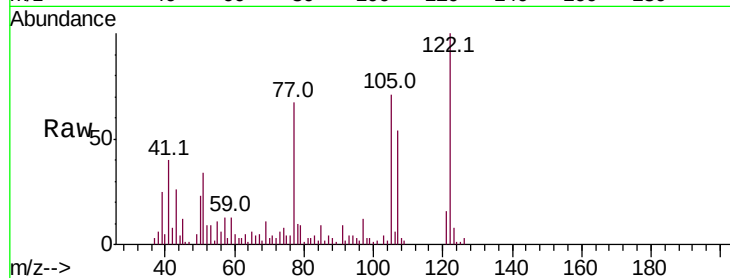
Tot Ion:122 Resp: 71036

Ion Ratio Lower Upper

122 100

105 71.5 97.0 137.0#

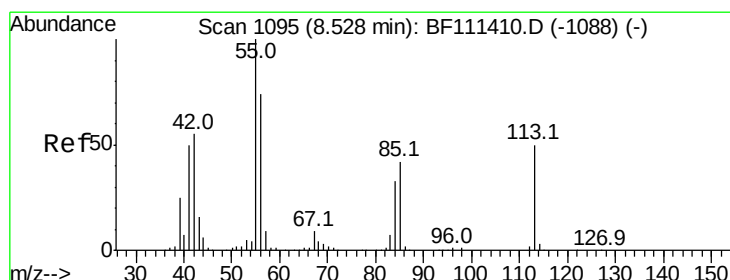
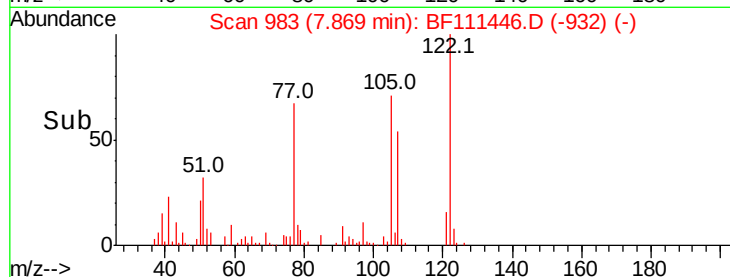
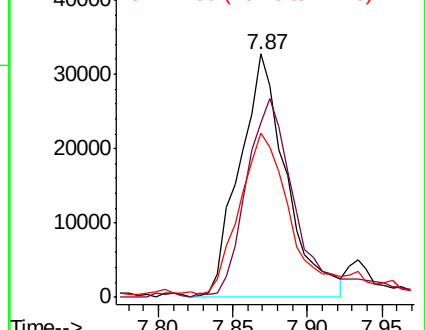
77 67.3 65.7 105.7



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



#35

Caprolactam

Concen: 60.490 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

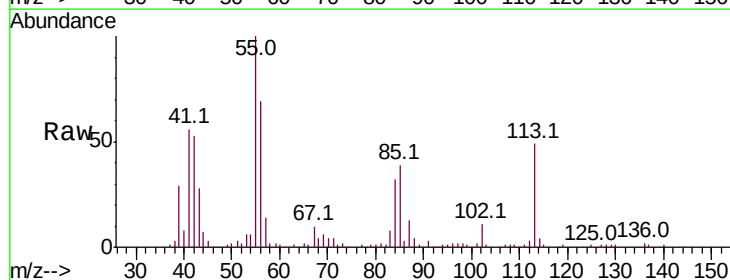
Tgt Ion:113 Resp: 147251

Ion Ratio Lower Upper

113 100

55 203.8 184.1 224.1

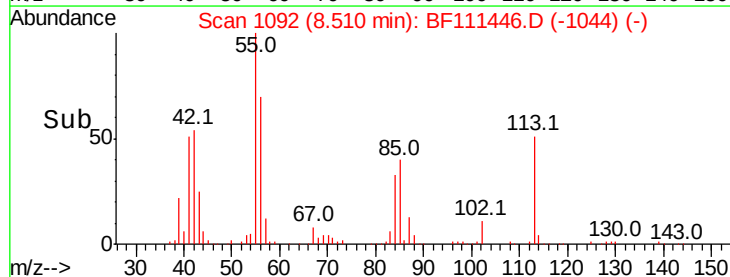
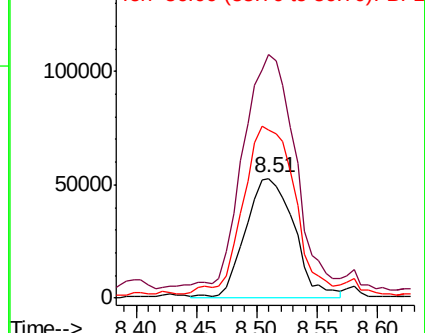
56 141.2 126.0 166.0

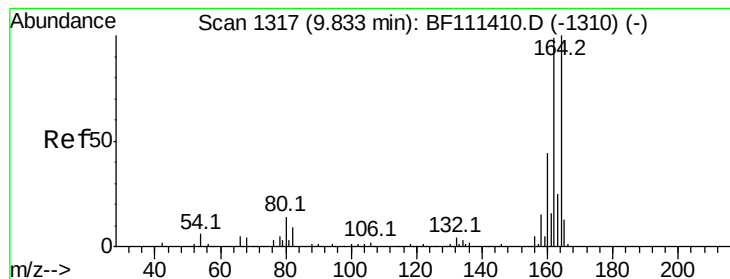


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

Instrument :

BNA_F

ClientSampleId :

P001-SW004-02DL

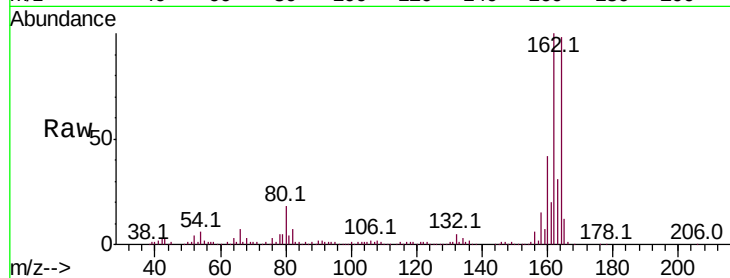
Tot Ion:164 Resp: 190924

Ion Ratio Lower Upper

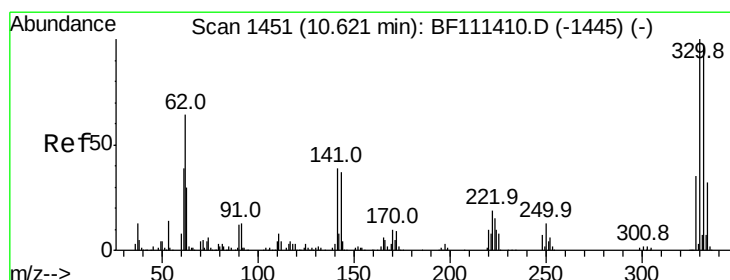
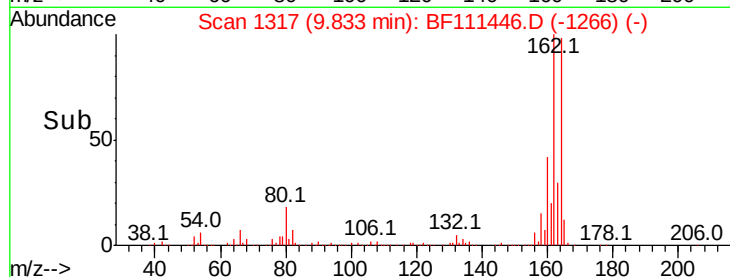
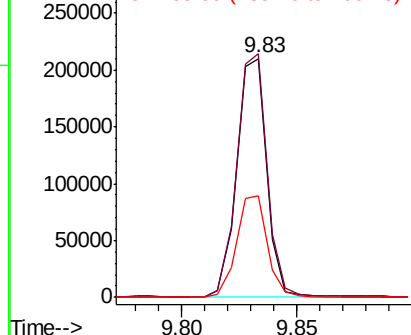
164 100

162 101.9 81.4 122.0

160 42.5 35.7 53.5



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: 16.556 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111446.D

Acq: 15 Dec 2018 4:21

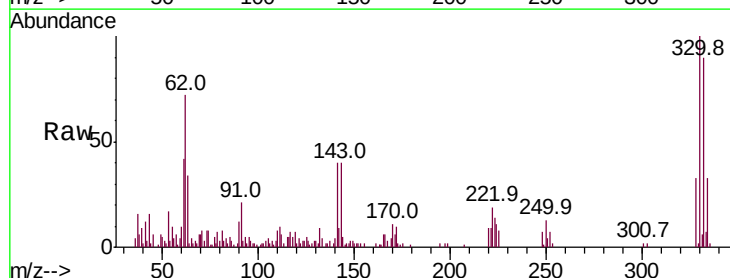
Tgt Ion:330 Resp: 28316

Ion Ratio Lower Upper

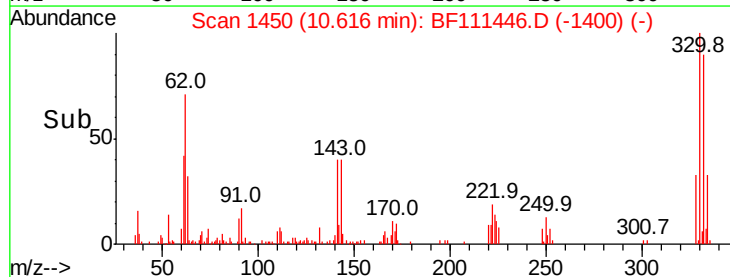
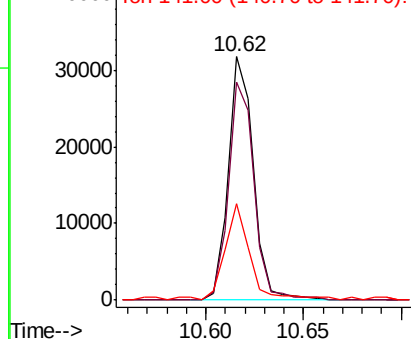
330 100

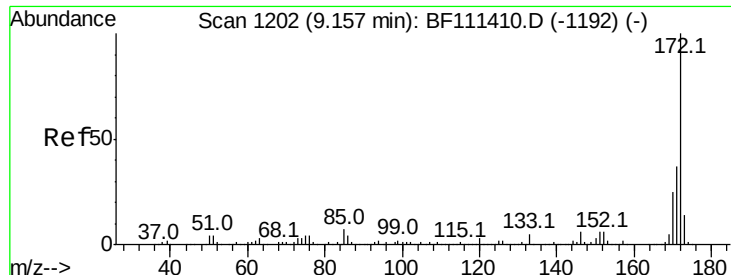
332 91.6 76.0 114.0

141 40.5 31.0 46.6



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

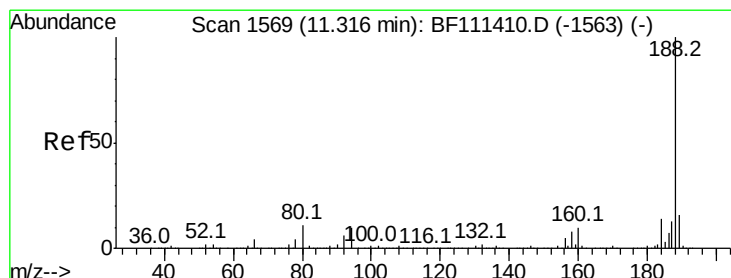
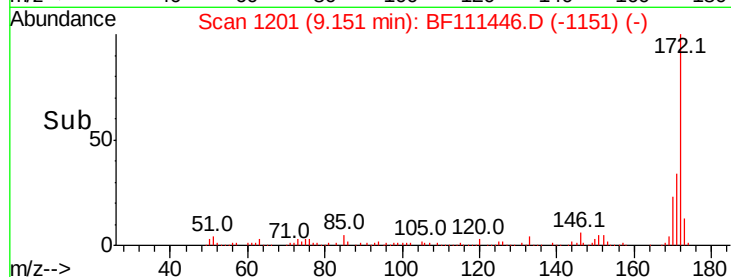
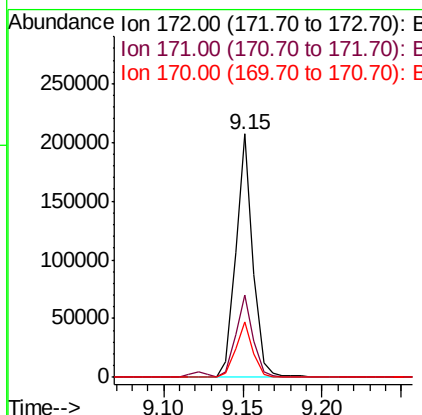
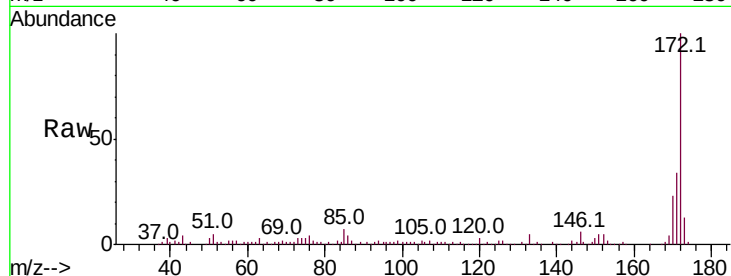




#45
 2-Fluorobiphenyl
 Concen: 12.456 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

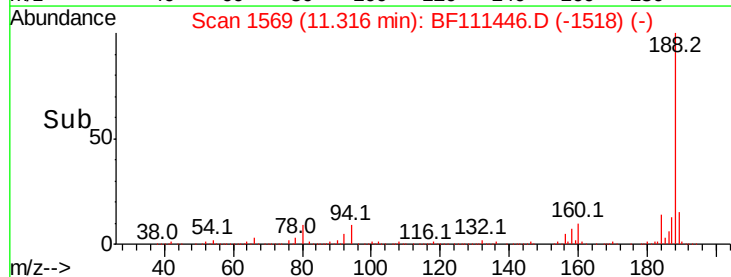
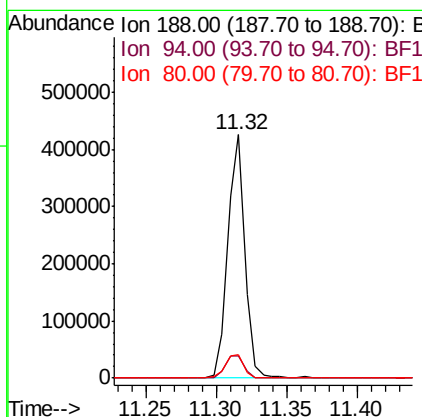
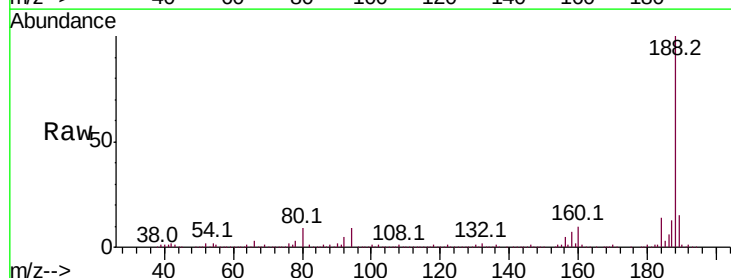
Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-02DL

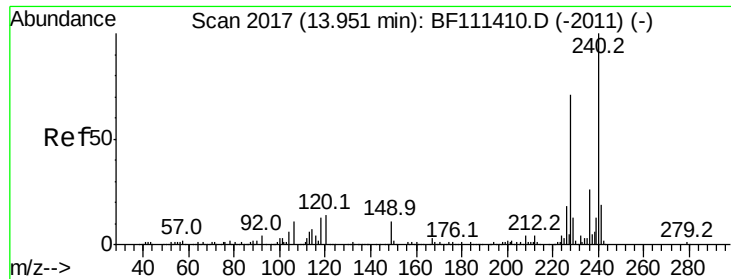
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	33.0	49.4
170	22.9	22.3	33.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.6	14.4#
80	9.5	9.8	14.6#

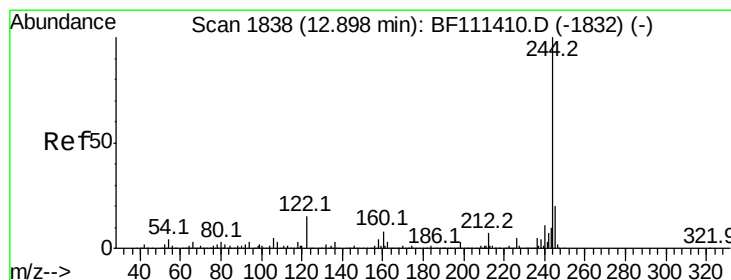
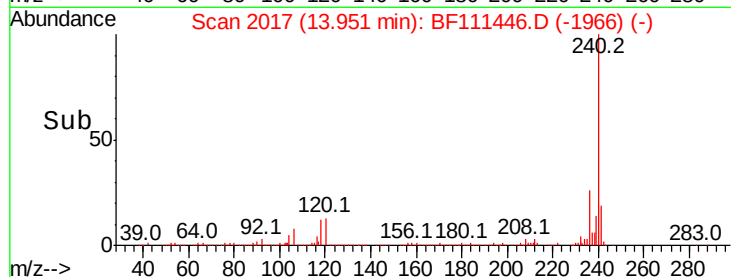
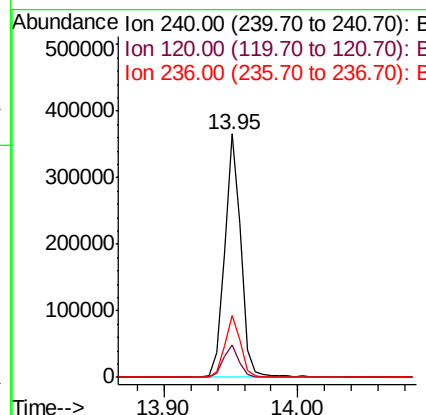
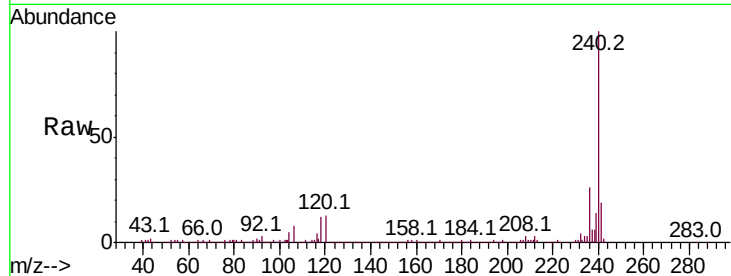




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

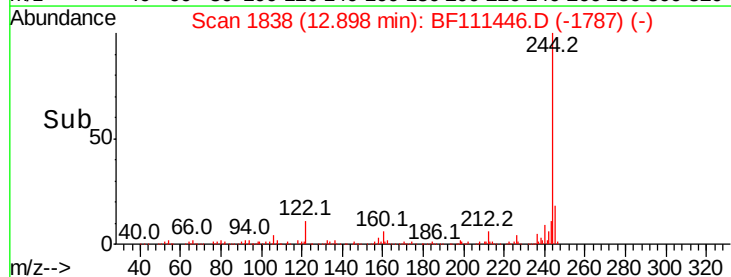
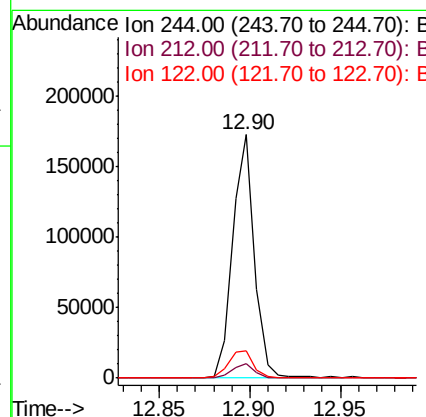
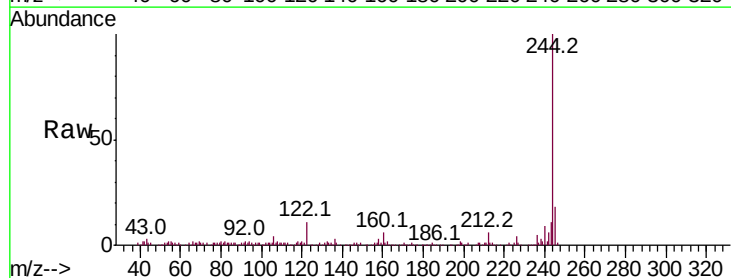
Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-02DL

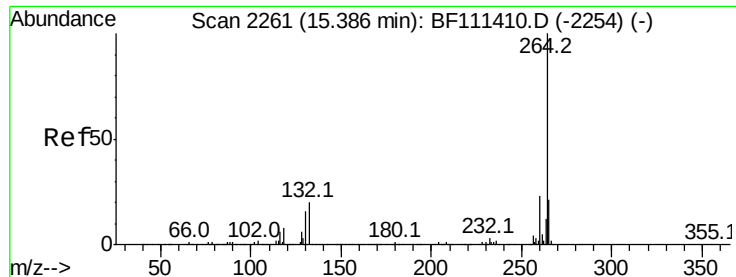
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	12.2	18.2
236	25.5	20.2	30.2



#79
 Terphenyl-d14
 Concen: 10.740 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.7	8.5
122	11.5	13.1	19.7#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111446.D
 Acq: 15 Dec 2018 4:21

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-02DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	21.1	17.7	26.5

