

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111445.D
 Acq On : 15 Dec 2018 3:54
 Operator : JU/SJ
 Sample : J6305-04DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-01DL

Quant Time: Dec 15 04:54:54 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

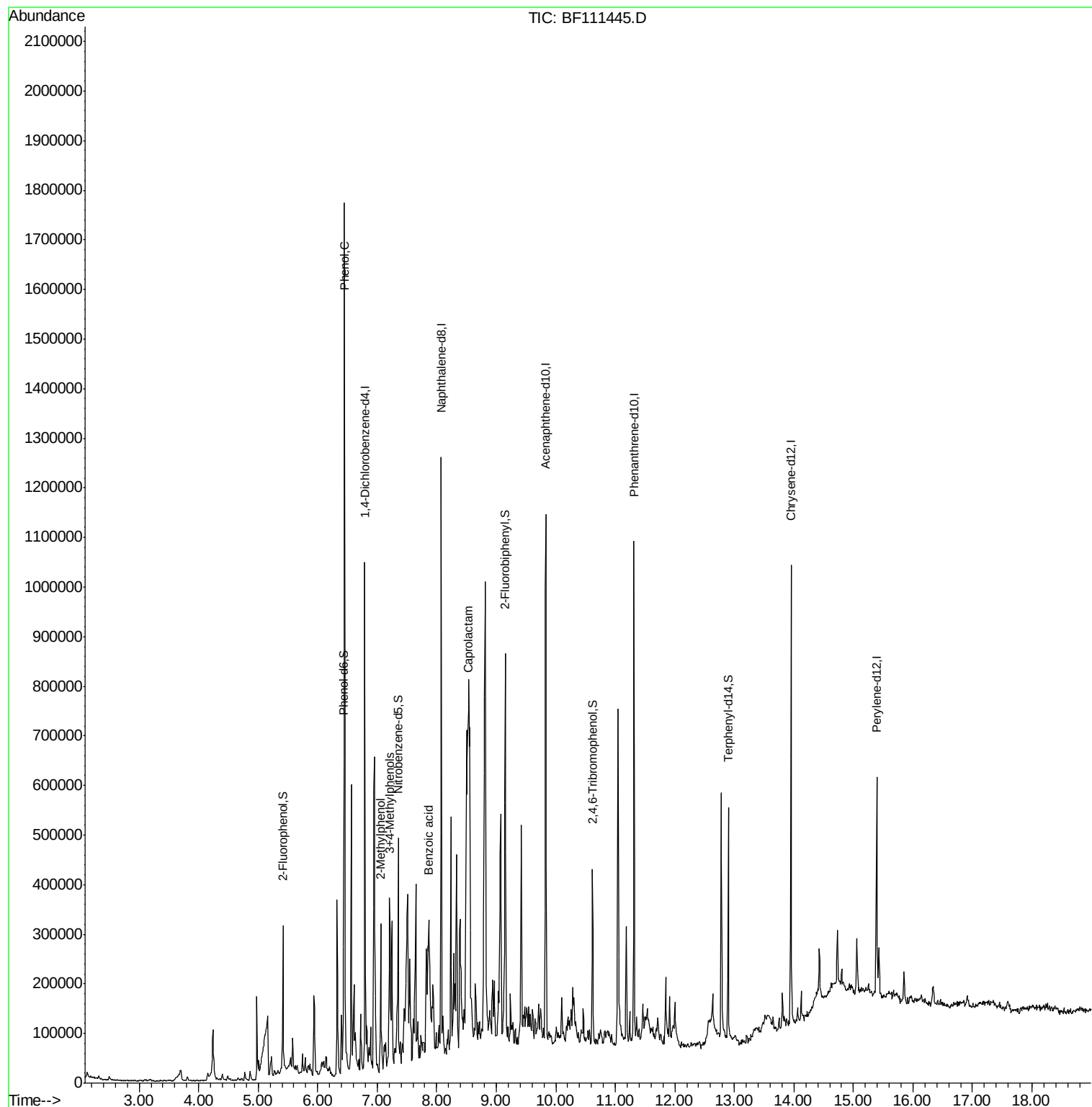
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	141798	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	513286	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	206837	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	351295	20.00	ng	0.00
76) Chrysene-d12	13.95	240	309223	20.00	ng	0.00
87) Perylene-d12	15.39	264	198344	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	84465	9.91	ng	0.00
7) Phenol-d6	6.43	99	61130	5.39	ng	0.00
23) Nitrobenzene-d5	7.35	82	120311	13.96	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	33193	17.91	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	210858	15.75	ng	0.00
79) Terphenyl-d14	12.90	244	152111	11.55	ng	0.00
Target Compounds						
10) Phenol	6.45	94	580059	45.940	ng	Qvalue 93
17) 2-Methylphenol	7.06	107	51869	6.330	ng	95
20) 3+4-Methylphenols	7.21	107	69985	6.809	ng	# 61
32) Benzoic acid	7.87	122	153831	26.928	ng	# 68
35) Caprolactam	8.52	113	150613	57.484	ng	98

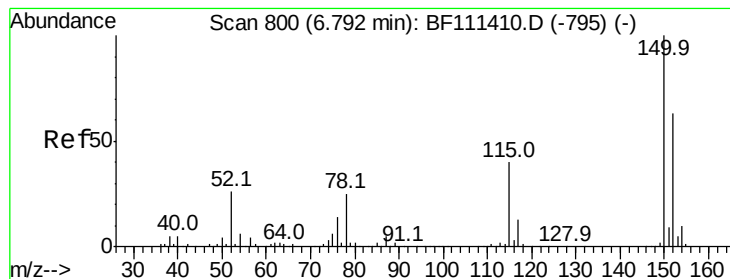
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01DL

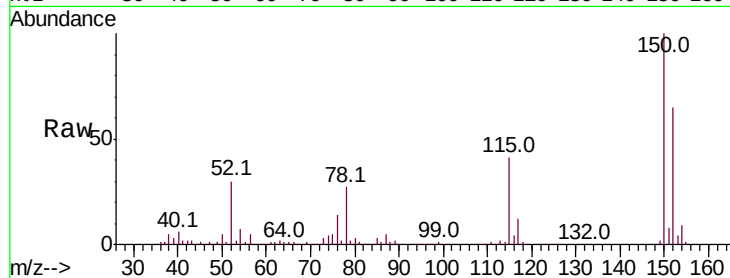
Tot Ion:152 Resp: 141798

Ion Ratio Lower Upper

152 100

150 153.1 126.6 189.8

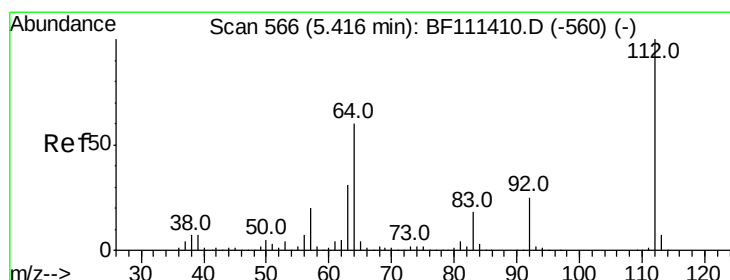
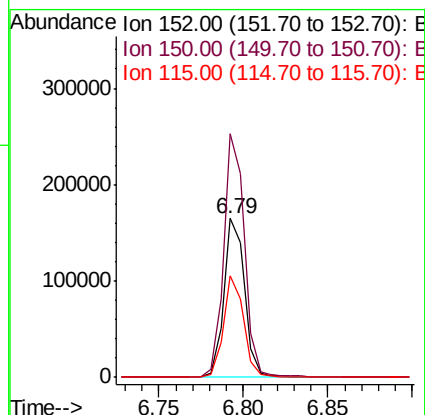
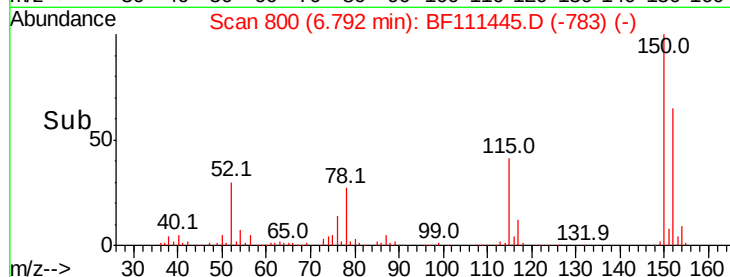
115 63.5 50.7 76.1



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: 9.912 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

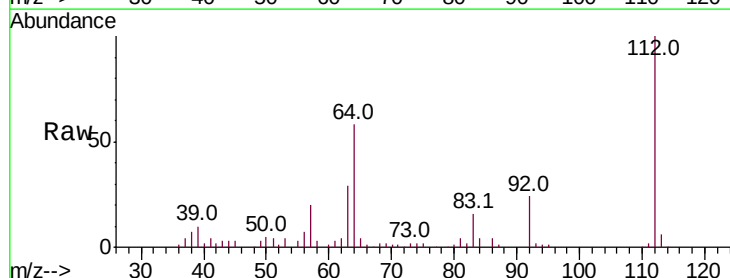
Tgt Ion:112 Resp: 84465

Ion Ratio Lower Upper

112 100

64 57.9 51.8 77.6

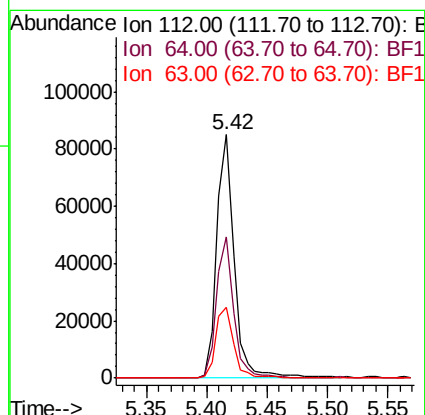
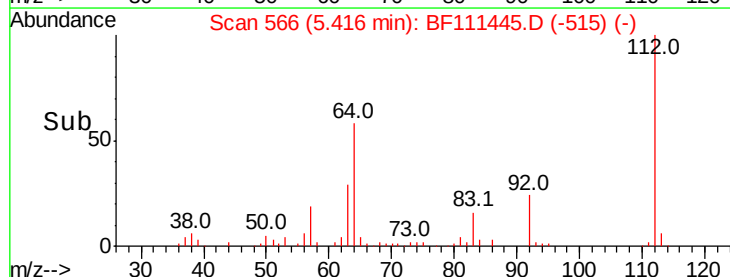
63 28.8 26.8 40.2

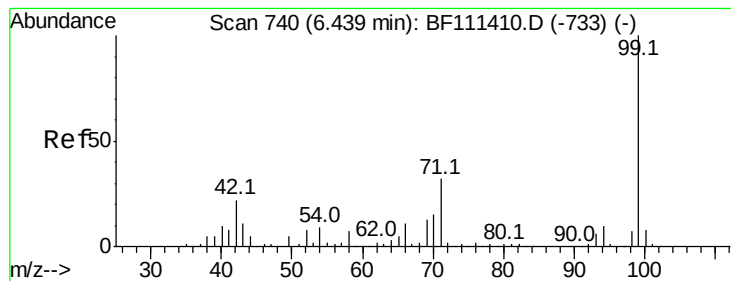


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 5.393 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01DL

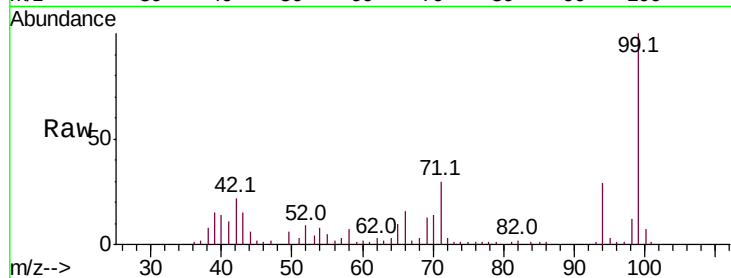
Tot Ion: 99 Resp: 61130

Ion Ratio Lower Upper

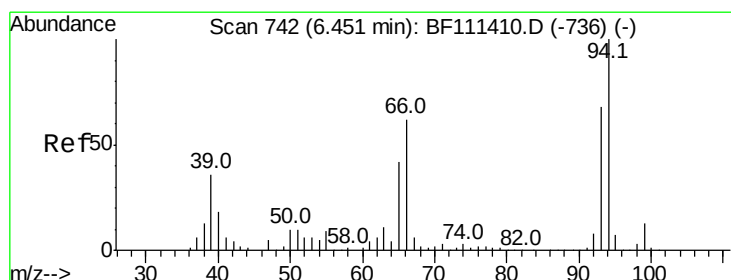
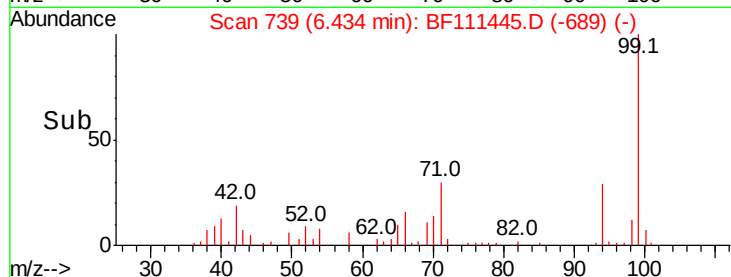
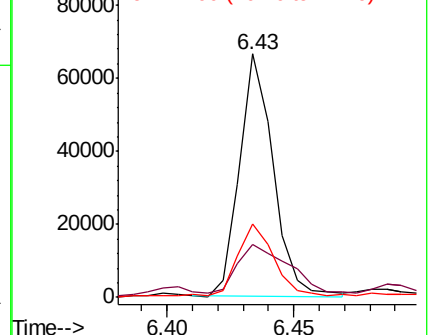
99 100

42 21.8 17.4 26.0

71 30.3 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: 45.940 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

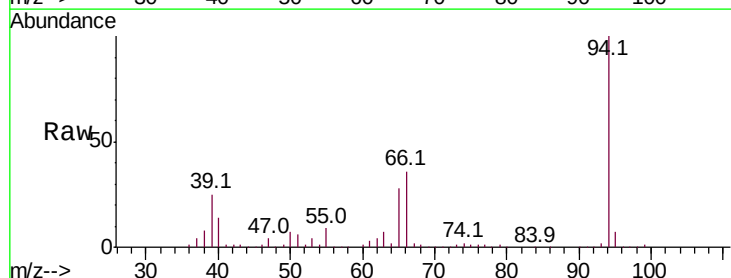
Tgt Ion: 94 Resp: 580059

Ion Ratio Lower Upper

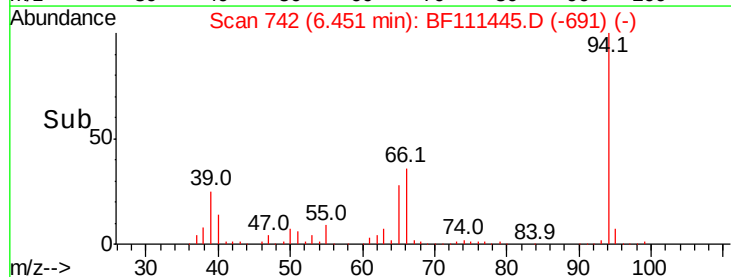
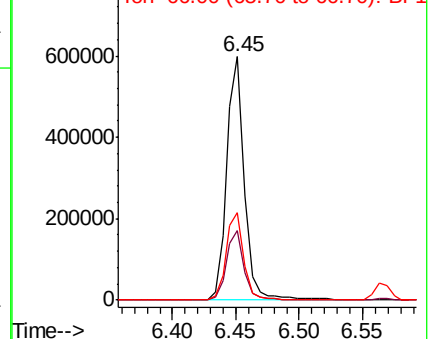
94 100

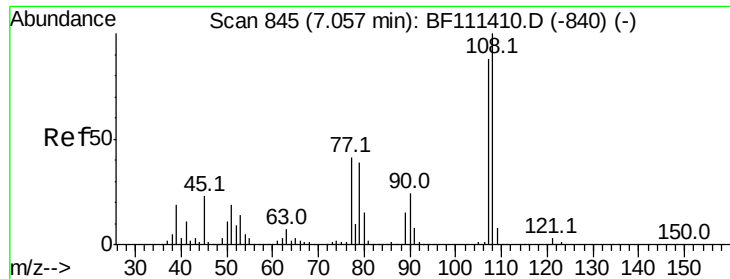
65 28.4 11.7 51.7

66 36.0 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

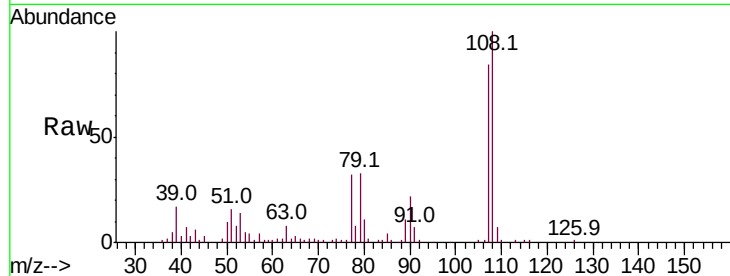




#17
2-Methylphenol
Concen: 6.330 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF111445.D
Acq: 15 Dec 2018 3:54

Instrument :
BNA_F
ClientSampleId :
P001-SW004-01DL

Tot Ion	Ratio	Lower	Upper
107	100		
108	119.7	91.0	136.4
77	38.5	33.5	50.3
79	39.5	33.3	49.9



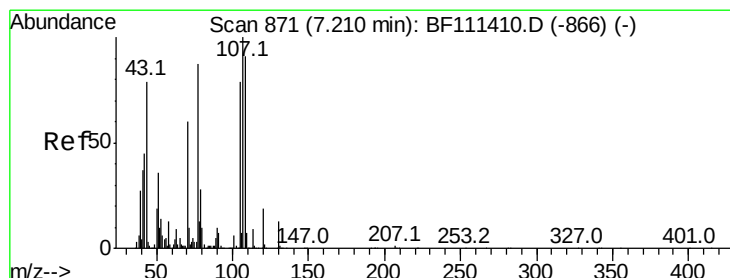
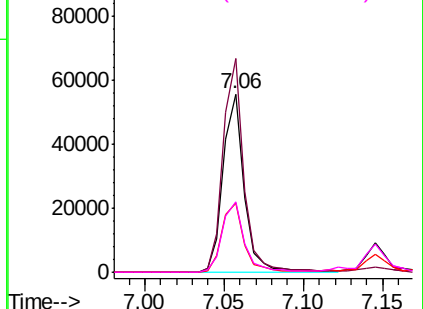
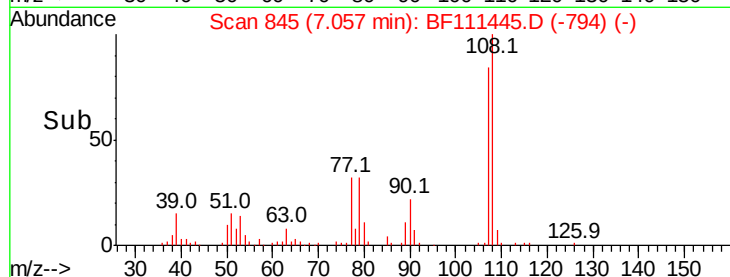
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

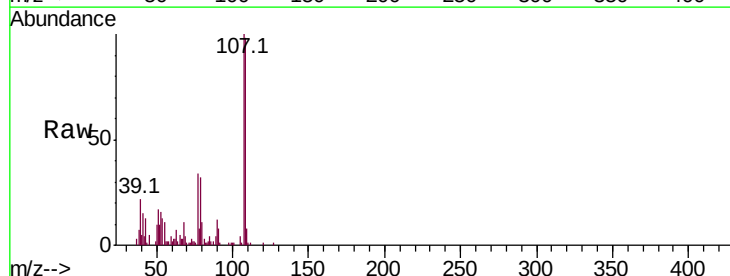
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20
3+4-Methylphenols
Concen: 6.809 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111445.D
Acq: 15 Dec 2018 3:54

Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.9	72.1	112.1
77	33.7	94.1	134.1#
79	32.1	9.8	49.8



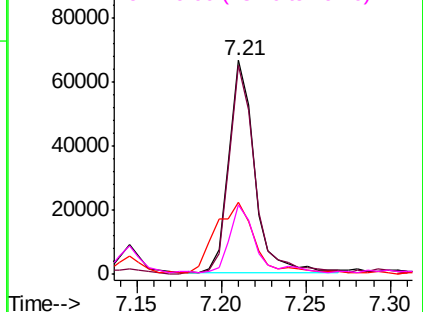
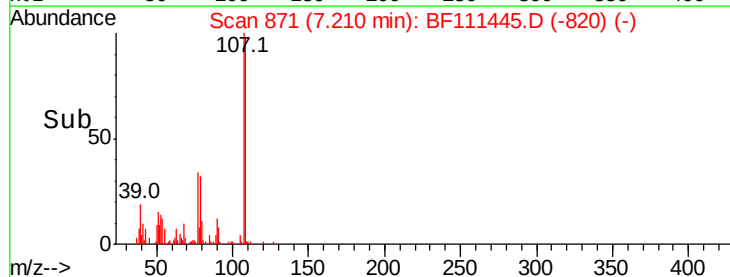
Abundance

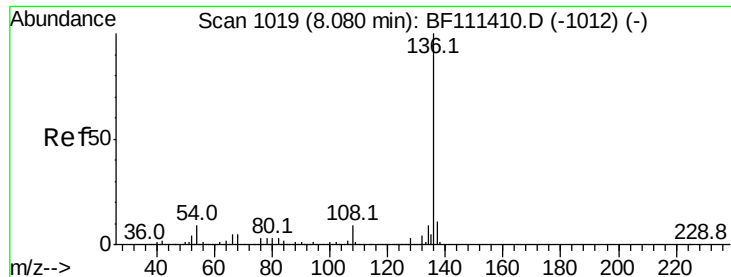
Ion 107.00 (106.70 to 107.70): E

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

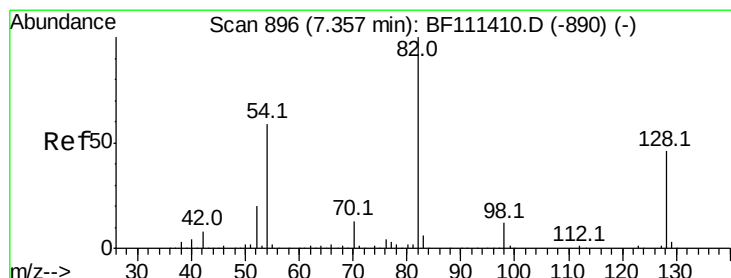
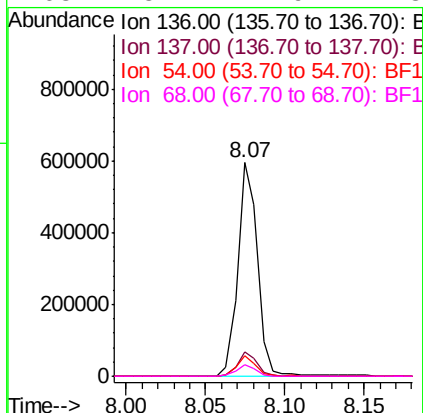
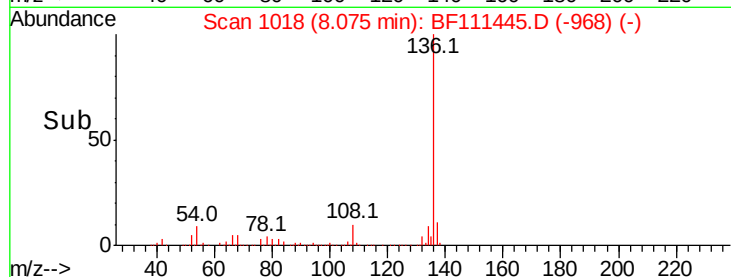
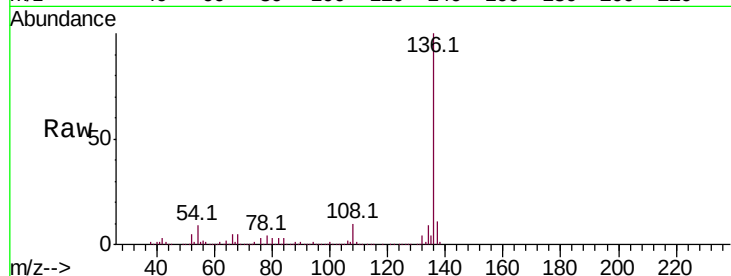




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111445.D
Acq: 15 Dec 2018 3:54

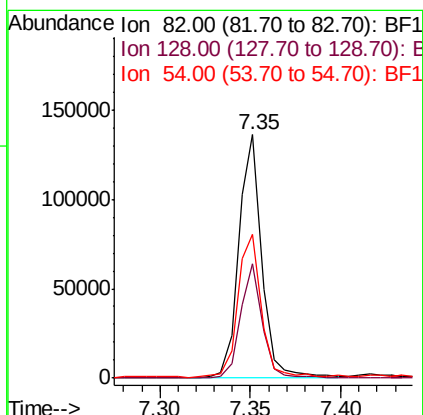
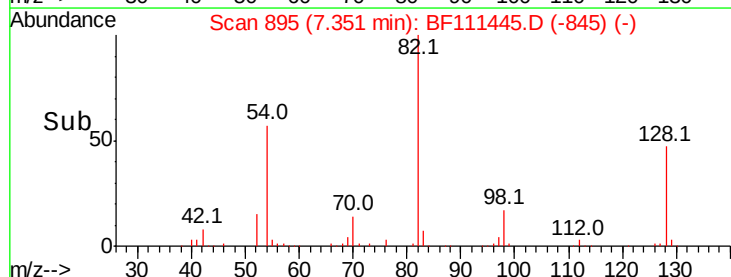
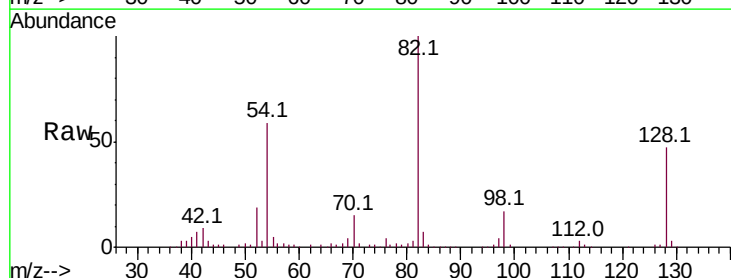
Instrument :
BNA_F
ClientSampleId :
P001-SW004-01DL

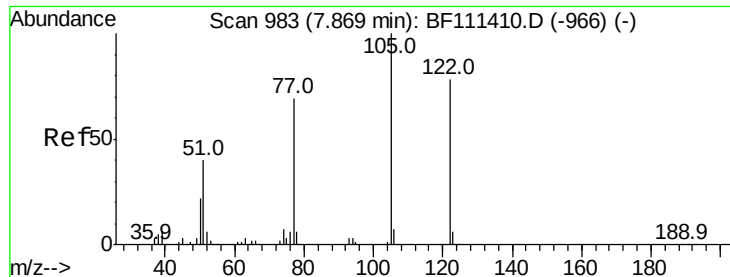
Tot Ion:136	Resp:	513286	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.1	13.7	
54 9.5	7.7	11.5	
68 5.4	4.9	7.3	



#23
Nitrobenzene-d5
Concen: 13.958 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111445.D
Acq: 15 Dec 2018 3:54

Tgt	Ion: 82	Resp:	120311
Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.4	56.2
54	59.3	47.6	71.4





#32

Benzoic acid

Concen: 26.928 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01DL

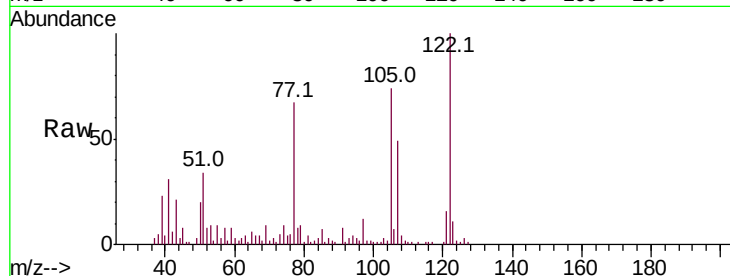
Tot Ion:122 Resp: 153831

Ion Ratio Lower Upper

122 100

105 73.9 97.0 137.0#

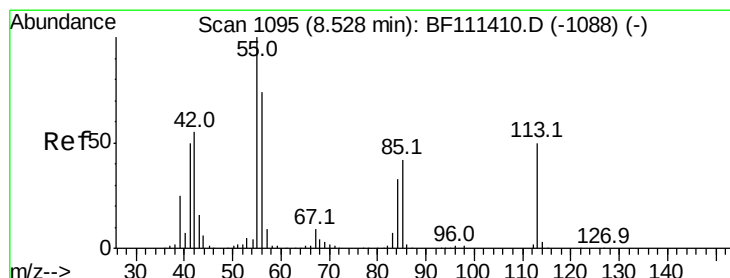
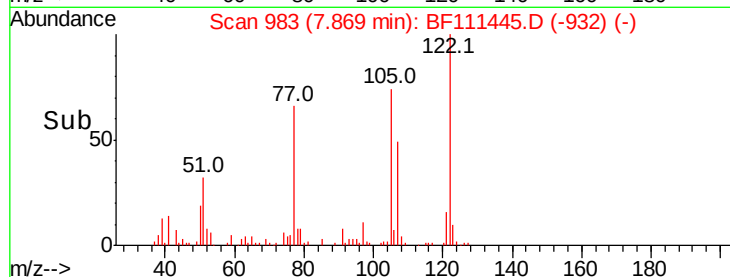
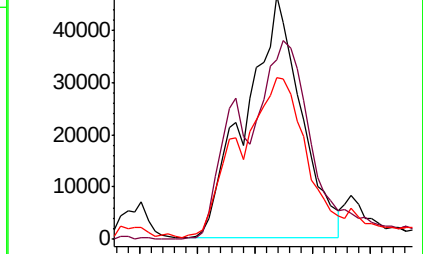
77 66.6 65.7 105.7



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: 57.484 ng

RT: 8.52 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

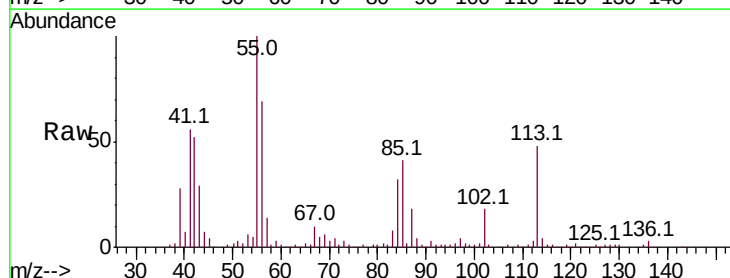
Tgt Ion:113 Resp: 150613

Ion Ratio Lower Upper

113 100

55 206.3 184.1 224.1

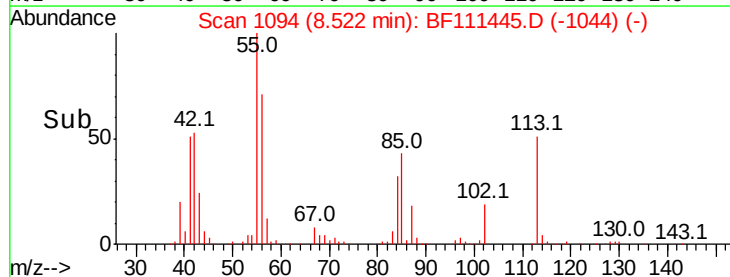
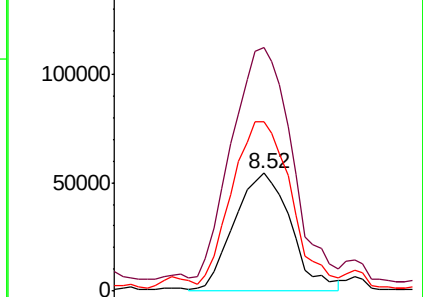
56 143.4 126.0 166.0

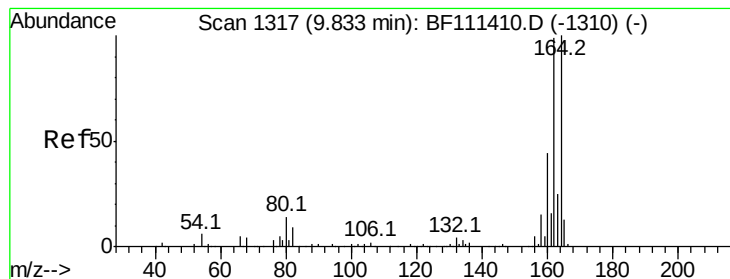


Abundance Ion 113.00 (112.70 to 113.70): E

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: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01DL

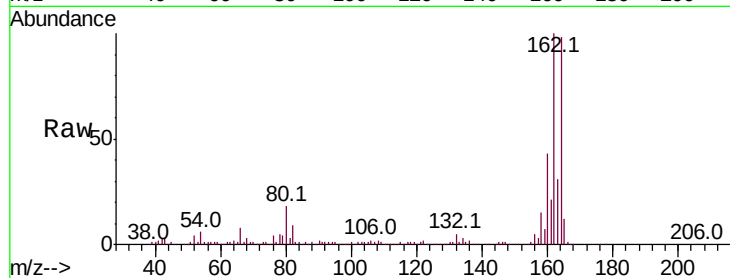
Tot Ion:164 Resp: 206837

Ion Ratio Lower Upper

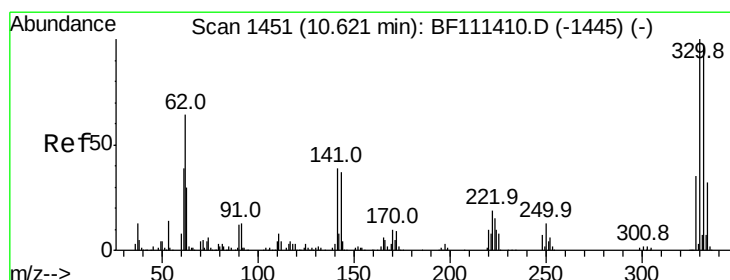
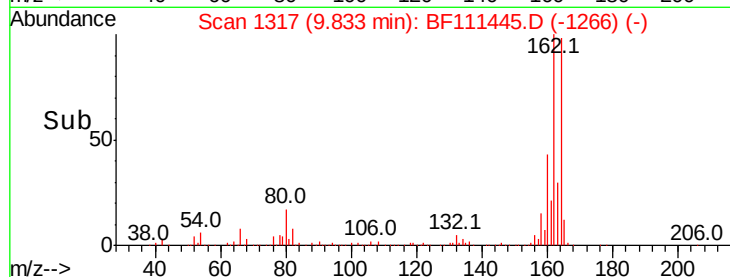
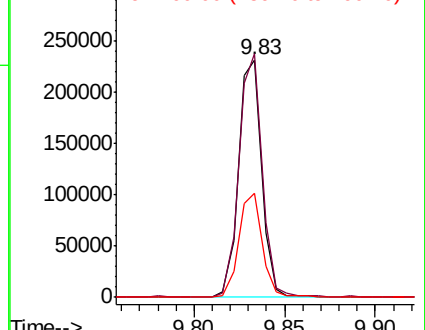
164 100

162 102.4 81.4 122.0

160 43.8 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: 17.915 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

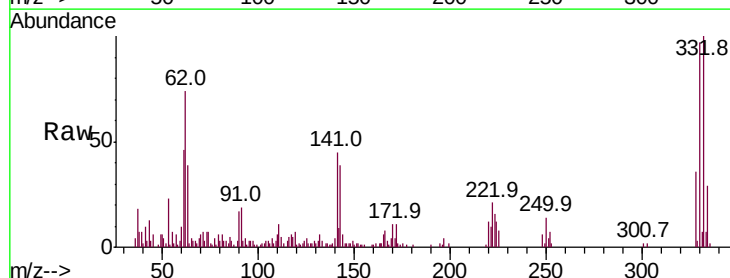
Tgt Ion:330 Resp: 33193

Ion Ratio Lower Upper

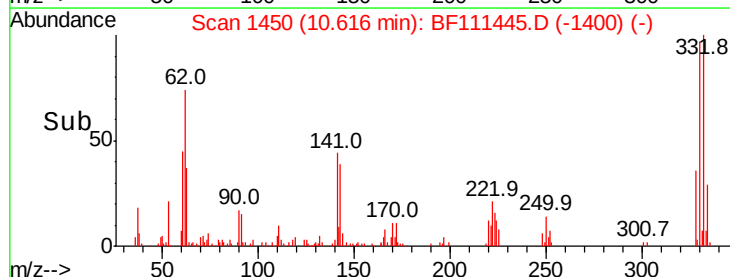
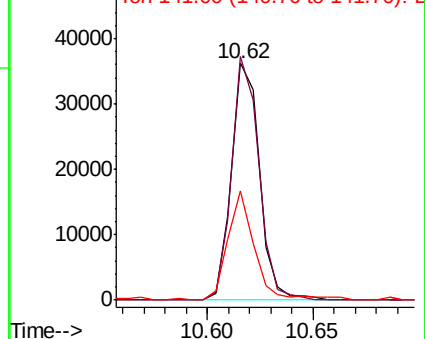
330 100

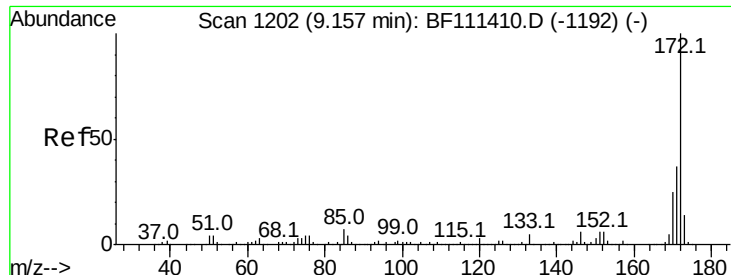
332 99.0 76.0 114.0

141 44.6 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

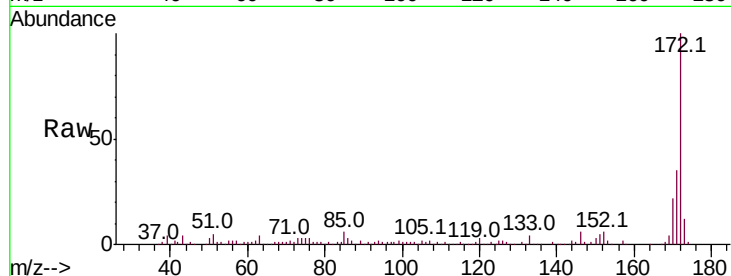




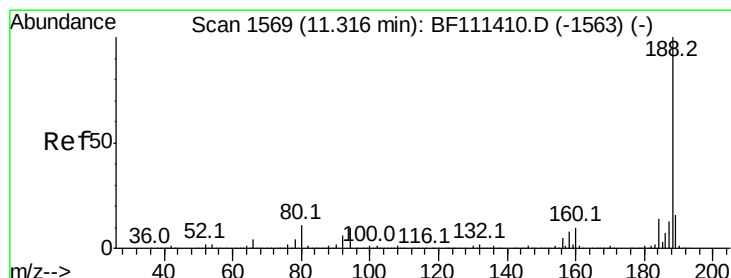
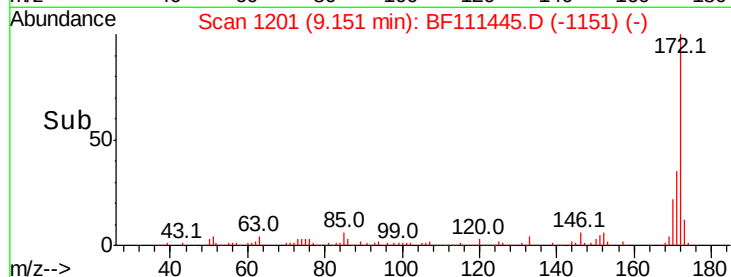
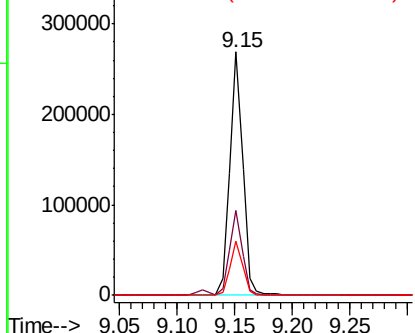
#45
 2-Fluorobiphenyl
 Concen: 15.747 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111445.D
 Acq: 15 Dec 2018 3:54

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	33.0	49.4
170	22.1	22.3	33.5#

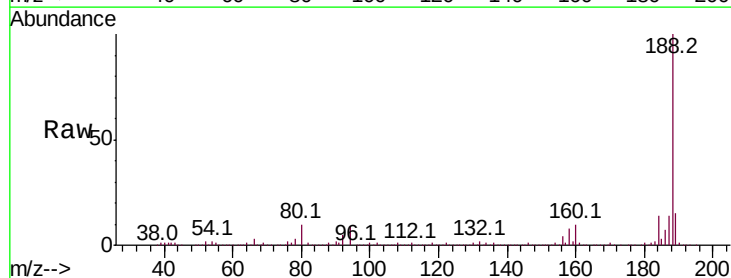


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

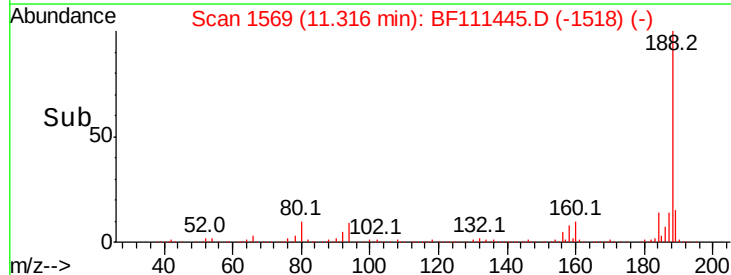
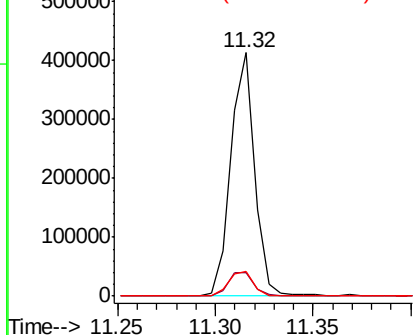


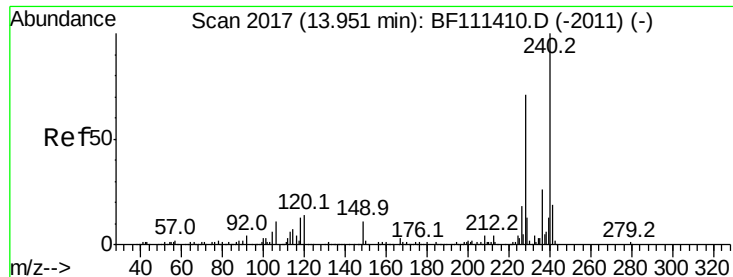
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF111445.D
 Acq: 15 Dec 2018 3:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.6	14.4#
80	10.2	9.8	14.6



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

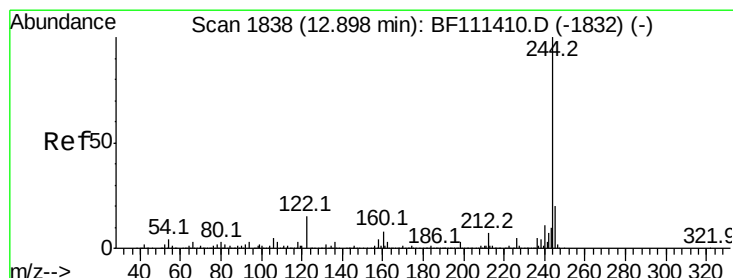
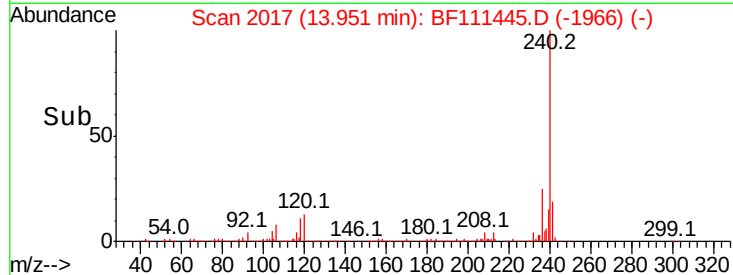
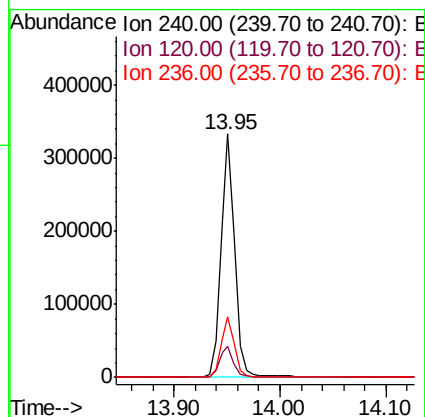
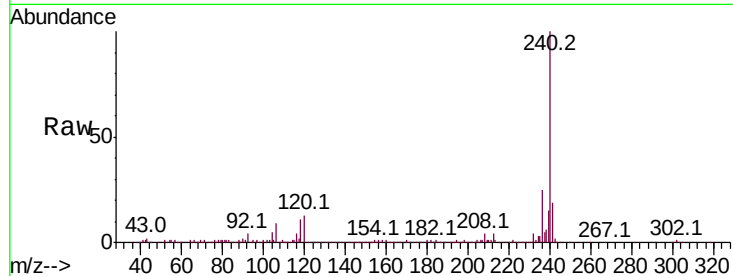




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF111445.D
 Acq: 15 Dec 2018 3:54

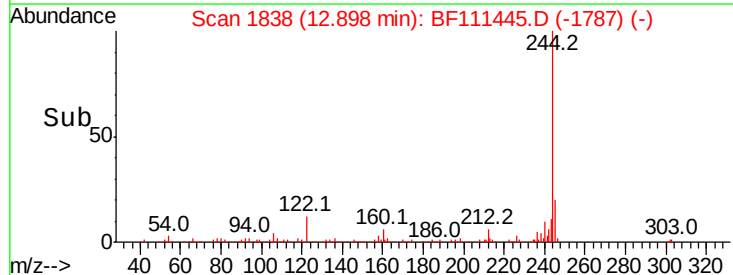
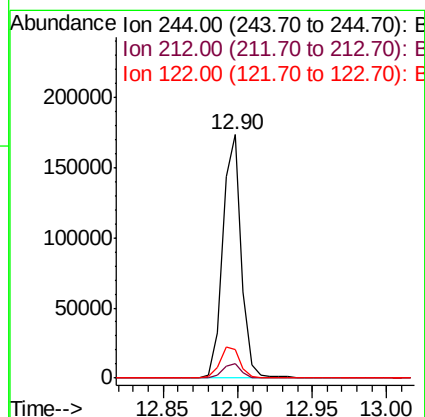
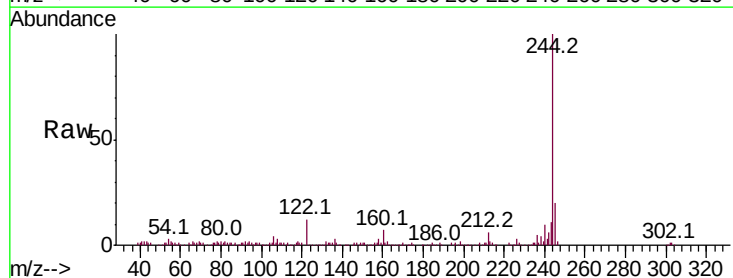
Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-01DL

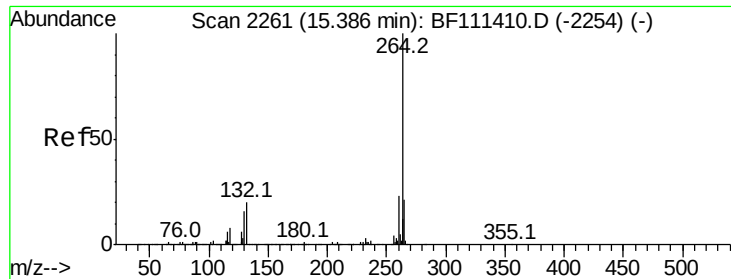
Tot Ion:240 Resp: 309223
 Ion Ratio Lower Upper
 240 100
 120 12.8 12.2 18.2
 236 24.9 20.2 30.2



#79
 Terphenyl-d14
 Concen: 11.551 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111445.D
 Acq: 15 Dec 2018 3:54

Tgt Ion:244 Resp: 152111
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.7 8.5
 122 12.0 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: BF111445.D
Acq: 15 Dec 2018 3:54

Instrument :
BNA_F
ClientSampleId :
P001-SW004-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.3	27.5
265	20.8	17.7	26.5

