

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113846.D
 Acq On : 19 Apr 2019 6:06
 Operator : JU/SJ
 Sample : K2430-03 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 07:04:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	155508	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	546815	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	253703	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	493229	20.00	ng	0.00
76) Chrysene-d12	14.04	240	490833	20.00	ng	0.00
87) Perylene-d12	15.52	264	398599	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	22033	2.36	ng	0.00
7) Phenol-d6	6.51	99	28848	2.47	ng	0.00
23) Nitrobenzene-d5	7.45	82	17526	1.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	7266	2.59	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	32113	1.93	ng	0.00
79) Terphenyl-d14	12.99	244	44729	1.91	ng	0.00

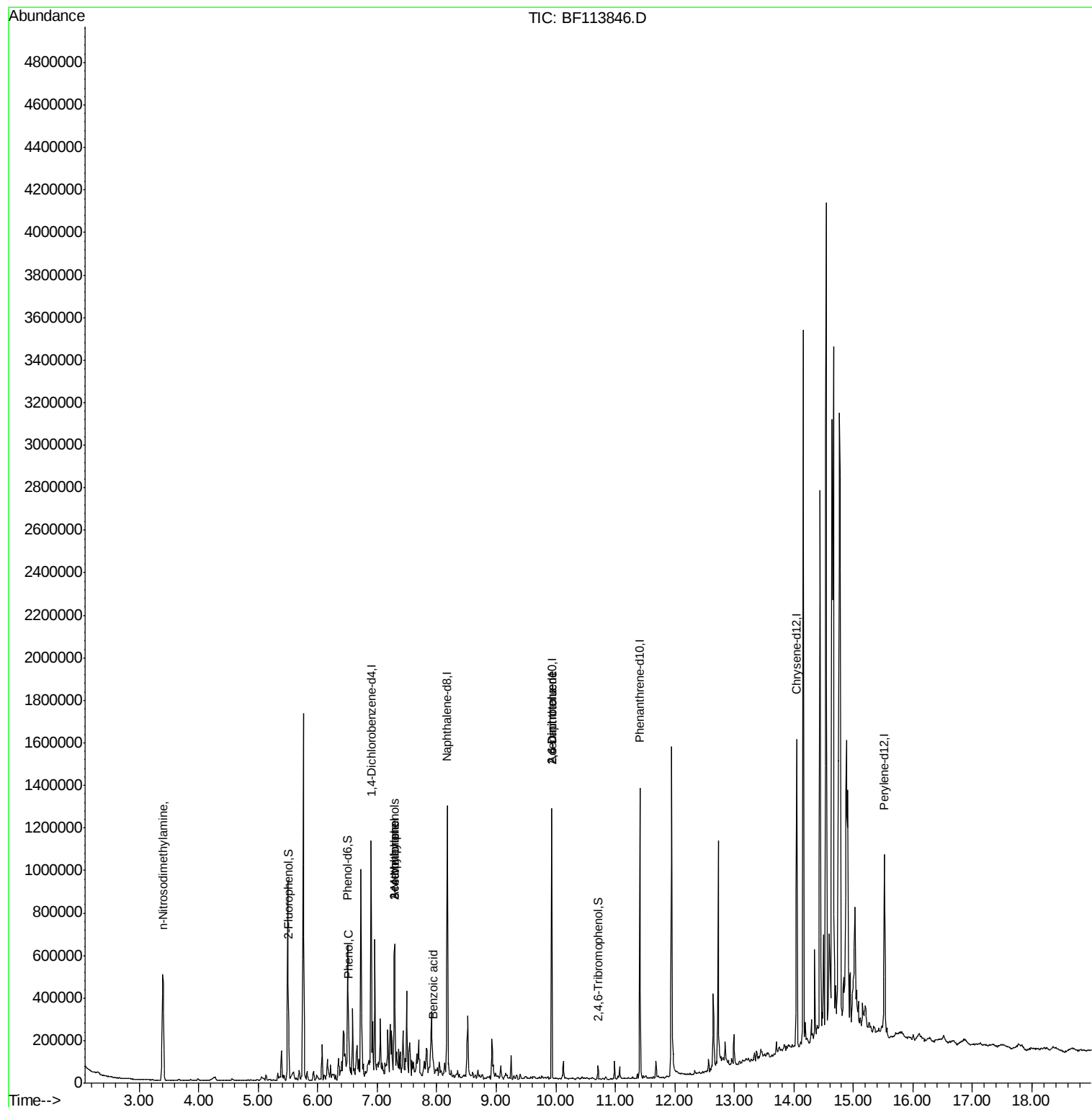
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.40	42	21433	4.796	ng	# 1
9) Benzaldehyde	6.43	77	9282	Below Cal		# 1
10) Phenol	6.52	94	33573	2.568	ng	# 96
17) 2-Methylphenol	7.29	107	97988	11.429	ng	# 83
20) 3+4-Methylphenols	7.29	107	97988	9.512	ng	# 84
22) Acetophenone	7.29	105	44839	3.599	ng	# 74
32) Benzoic acid	7.95	122	7167	7.166	ng	# 56
51) 2,6-Dinitrotoluene	9.93	165	31993	8.165	ng	# 34
57) 2,4-Dinitrotoluene	9.93	165	31993	6.581	ng	# 30

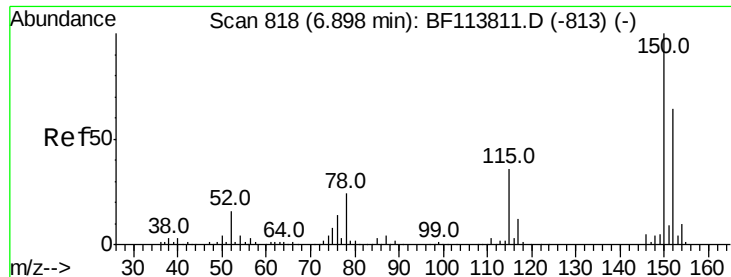
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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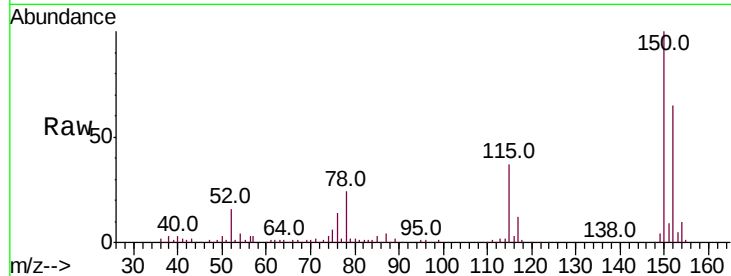


#1

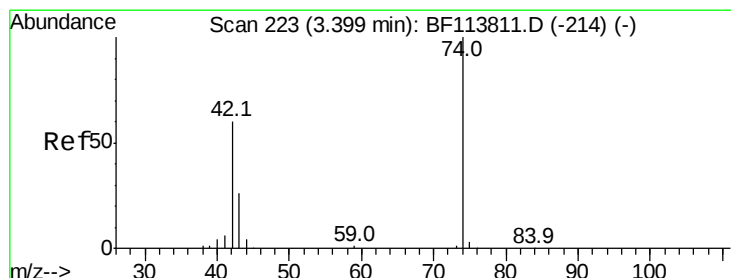
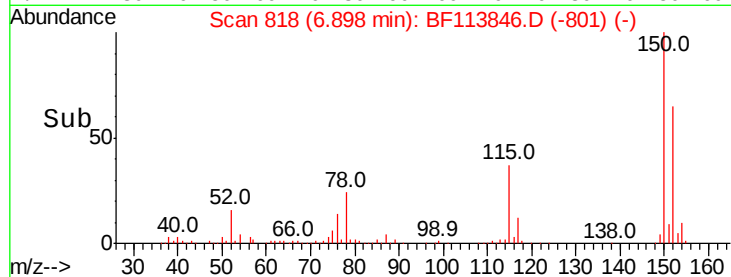
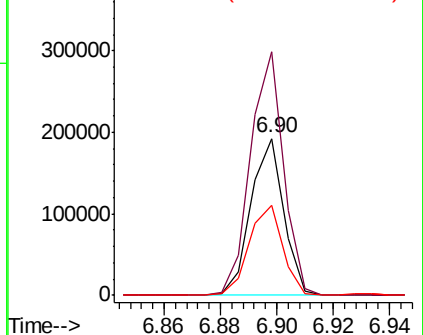
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155508
Ion Ratio Lower Upper
152 100
150 154.9 125.9 188.9
115 57.4 45.9 68.9



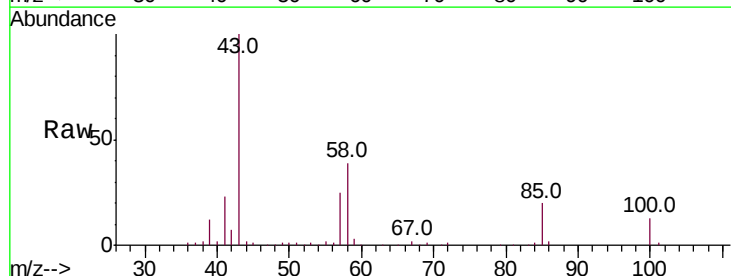
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



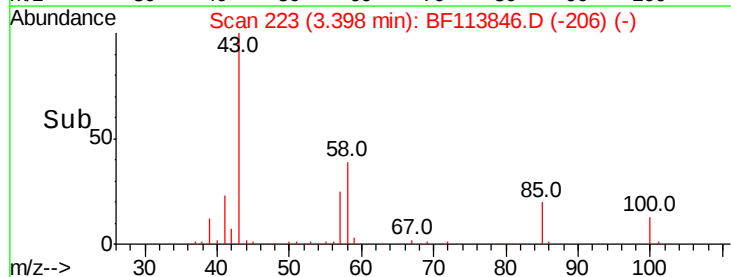
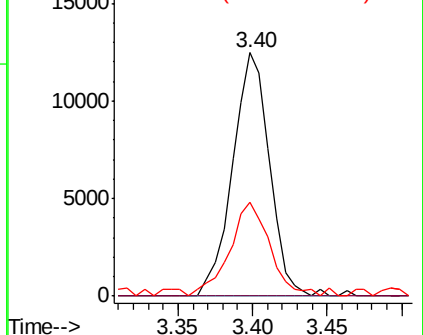
#4

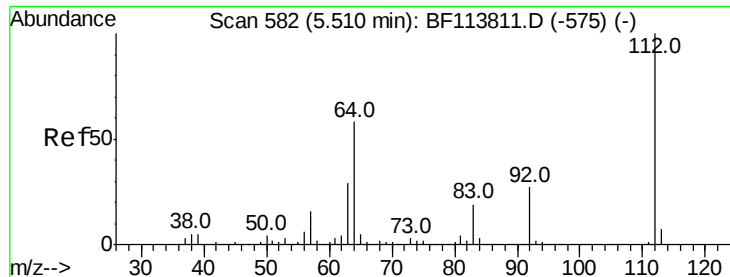
n-Nitrosodimethylamine
Concen: 4.796 ng
RT: 3.40 min Scan# 223
Delta R.T. -0.00 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Tgt Ion: 42 Resp: 21433
Ion Ratio Lower Upper
42 100
74 0.0 132.6 198.8#
44 38.3 5.8 8.8#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 2.356 ng

RT: 5.51 min Scan# 582

Delta R.T. -0.00 min

Lab File: BF113846.D

Acq: 19 Apr 2019 6:06

Instrument :

BNA_F

ClientSampleId :

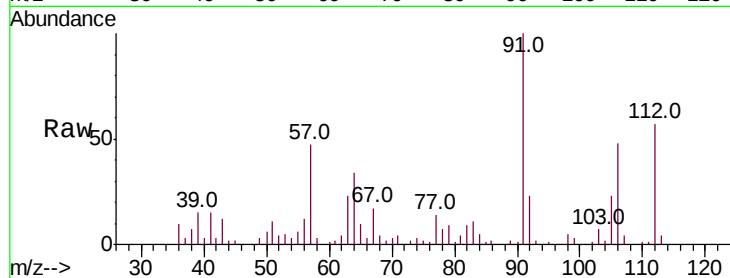
Tot Ion:112 Resp: 22033

Ion Ratio Lower Upper

112 100

64 58.8 46.6 69.8

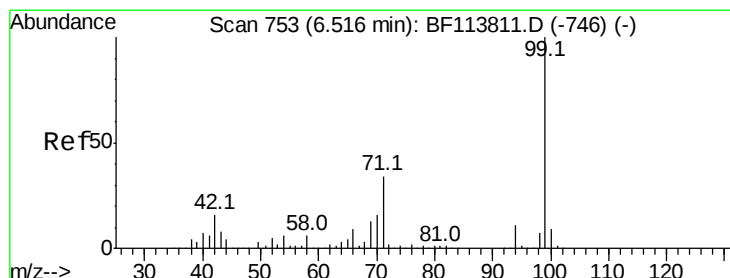
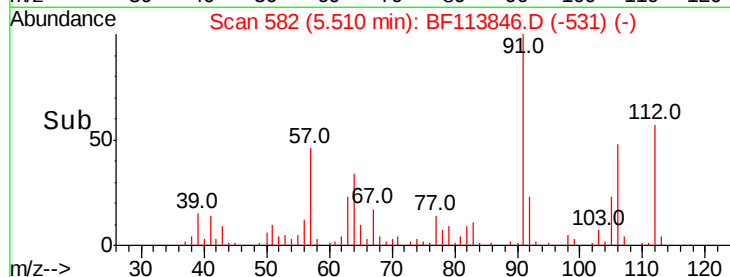
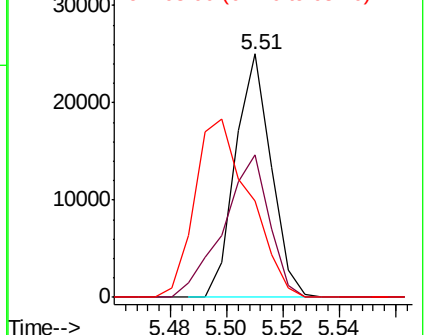
63 39.4 23.1 34.7#



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: 2.473 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113846.D

Acq: 19 Apr 2019 6:06

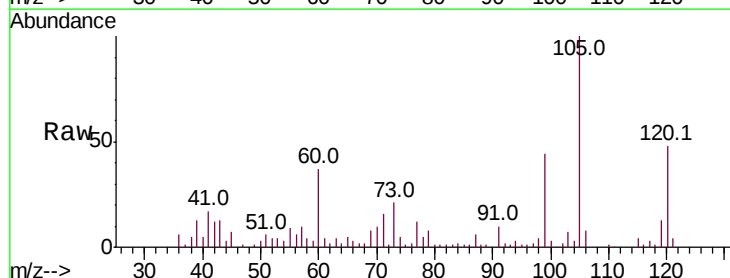
Tgt Ion: 99 Resp: 28848

Ion Ratio Lower Upper

99 100

42 27.0 12.5 18.7#

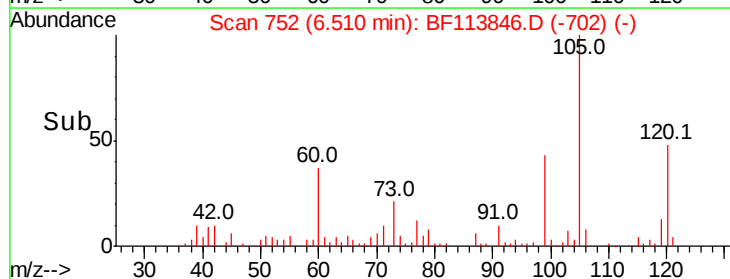
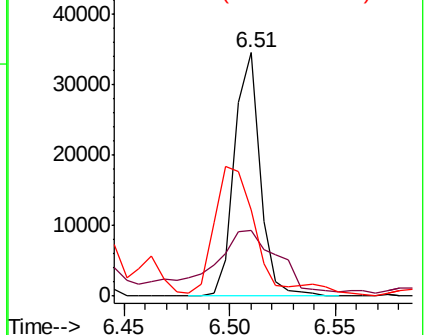
71 35.3 26.9 40.3

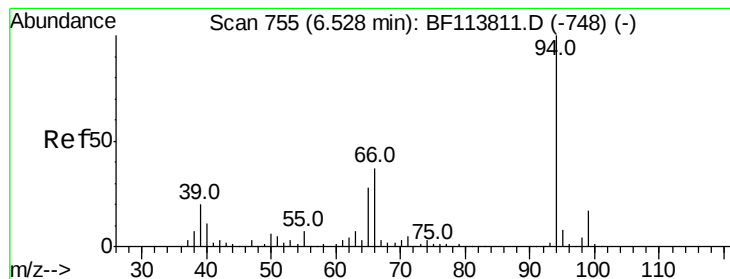


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 2.568 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF113846.D

Acq: 19 Apr 2019 6:06

Instrument :

BNA_F

ClientSampleId :

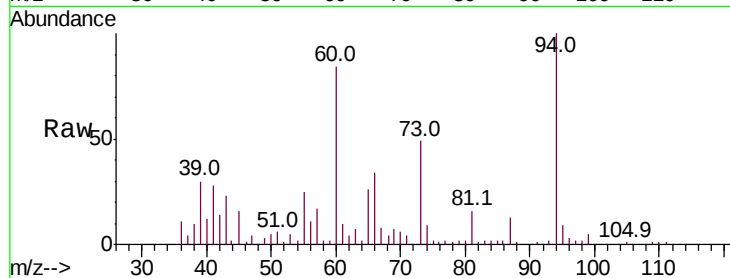
Tot Ion: 94 Resp: 33573

Ion Ratio Lower Upper

94 100

65 26.4 8.1 48.1

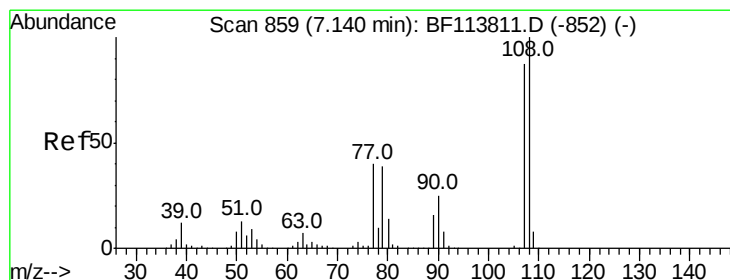
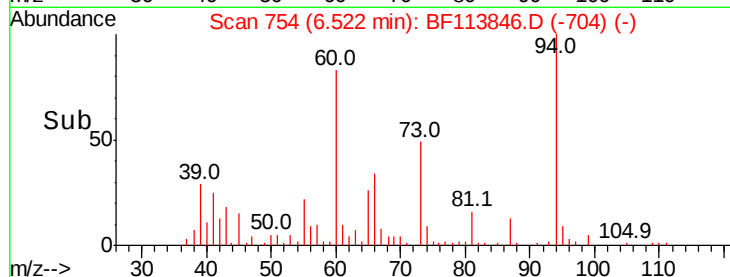
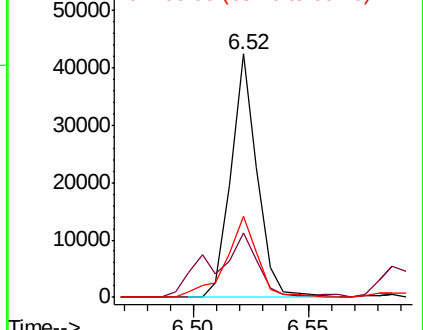
66 33.5 16.6 56.6



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: 11.429 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF113846.D

Acq: 19 Apr 2019 6:06

Tgt Ion: 107 Resp: 97988

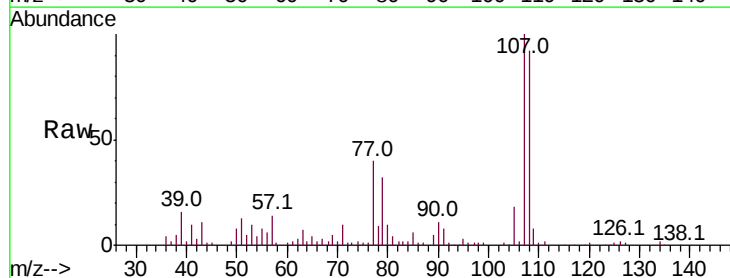
Ion Ratio Lower Upper

107 100

108 92.0 91.5 137.3

77 39.9 36.2 54.4

79 32.2 35.4 53.0#

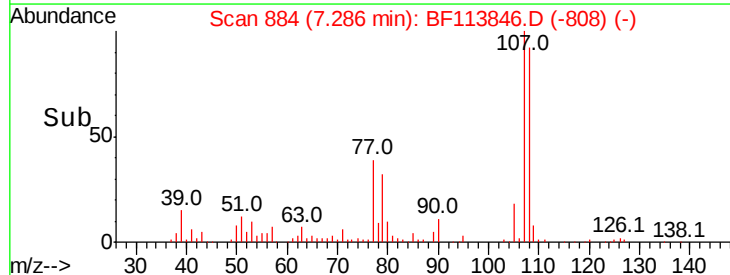
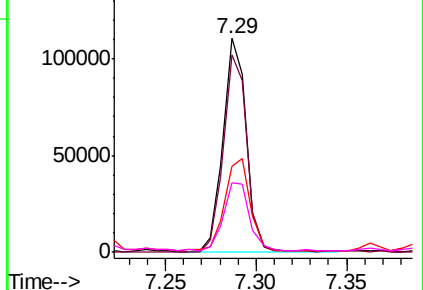


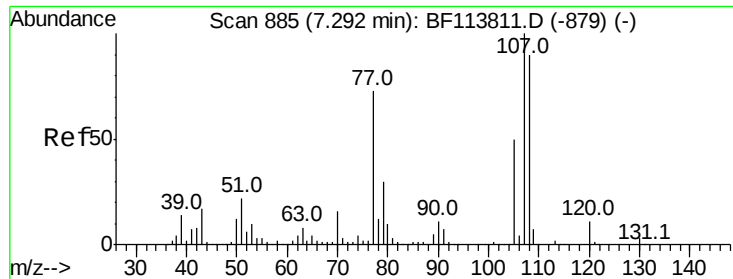
Abundance Ion 107.00 (106.70 to 107.70): E

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

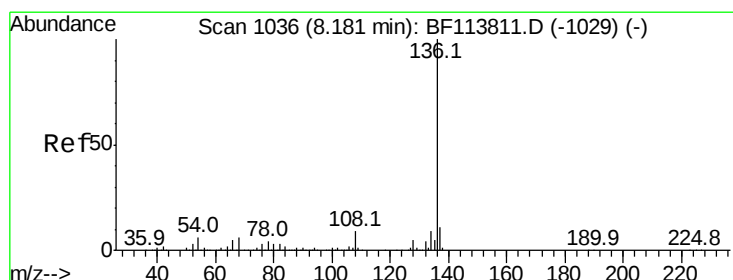
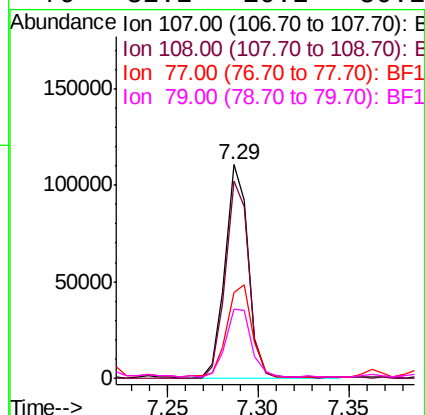
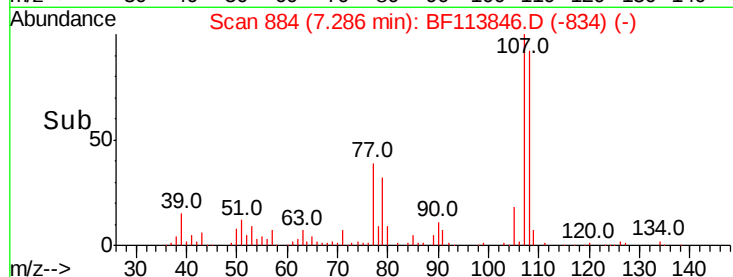
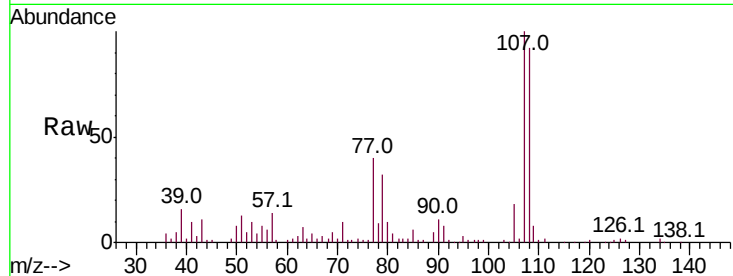




#20
3+4-Methylphenols
Concen: 9.512 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

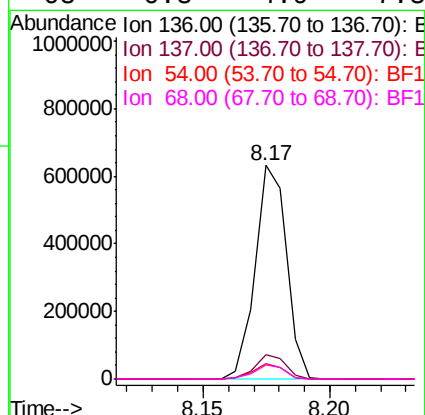
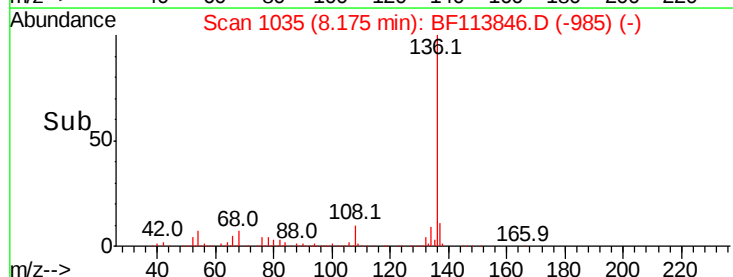
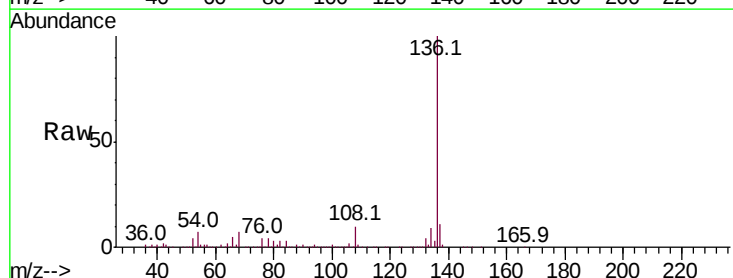
Instrument :
BNA_F
ClientSampleId :

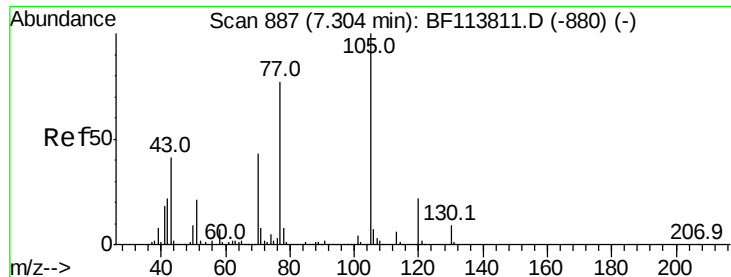
Tot Ion:107 Resp: 97988
Ion Ratio Lower Upper
107 100
108 92.0 70.1 110.1
77 39.9 52.9 92.9#
79 32.2 10.2 50.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Tgt Ion:136 Resp: 546815
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.0 5.0 7.6
68 6.8 4.9 7.3

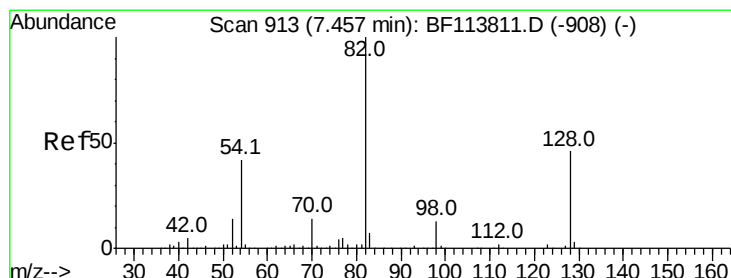
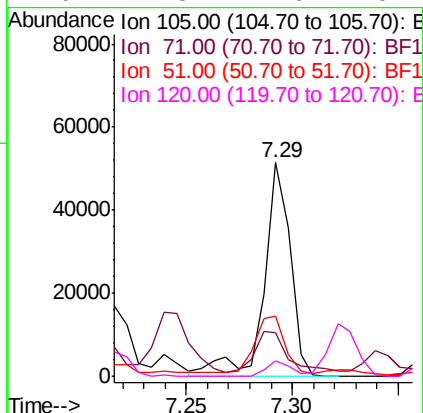
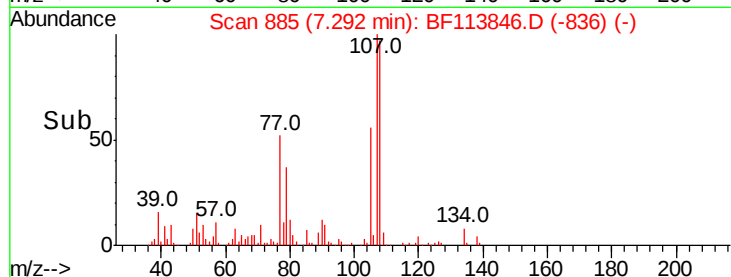
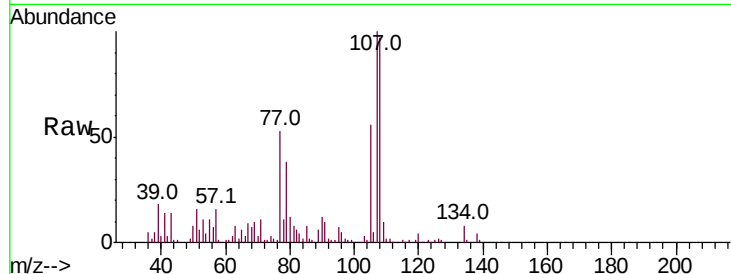




#22
Acetophenone
Concen: 3.599 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

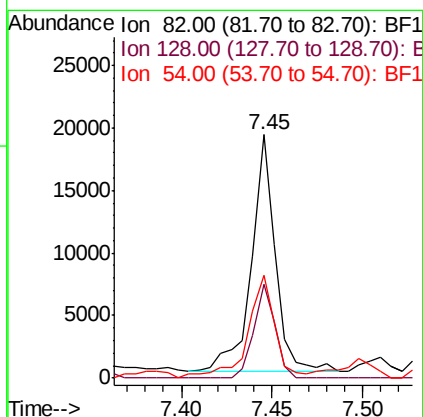
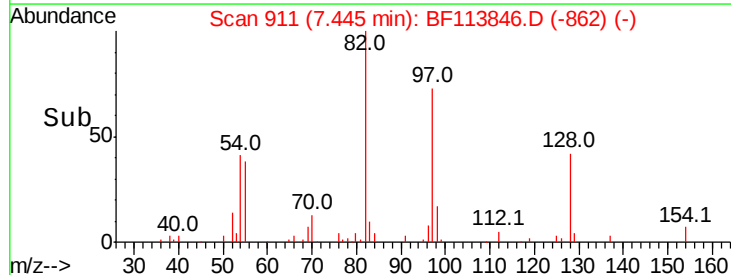
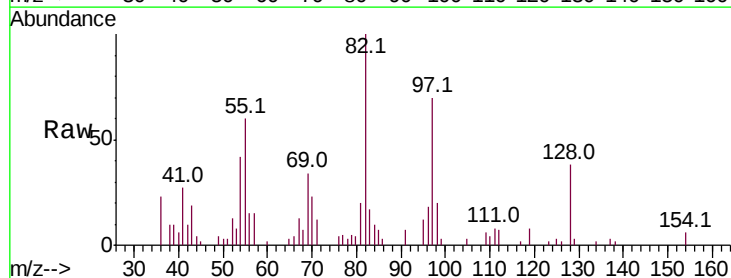
Instrument :
BNA_F
ClientSampleId :

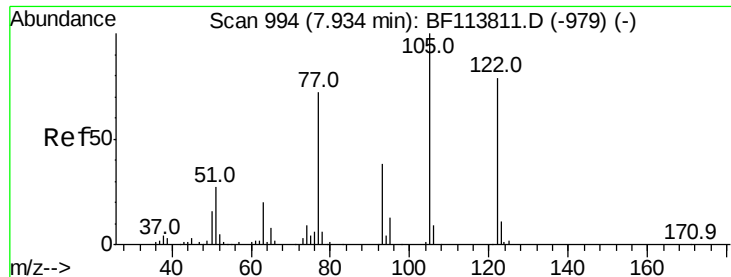
Tot Ion:105 Resp: 44839
Ion Ratio Lower Upper
105 100
71 20.5 6.1 9.1#
51 28.4 16.8 25.2#
120 7.3 17.6 26.4#



#23
Nitrobenzene-d5
Concen: 1.952 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Tgt Ion: 82 Resp: 17526
Ion Ratio Lower Upper
82 100
128 38.5 36.8 55.2
54 42.1 33.8 50.6

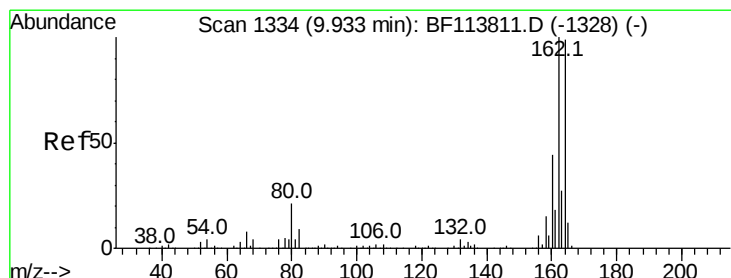
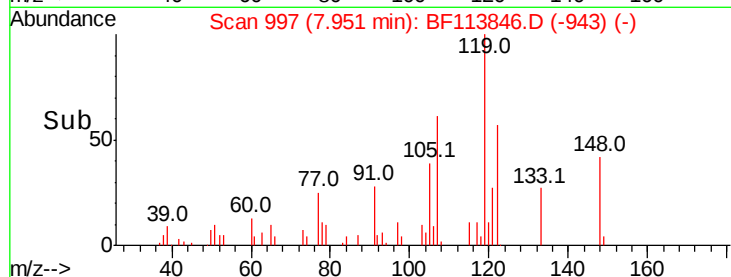
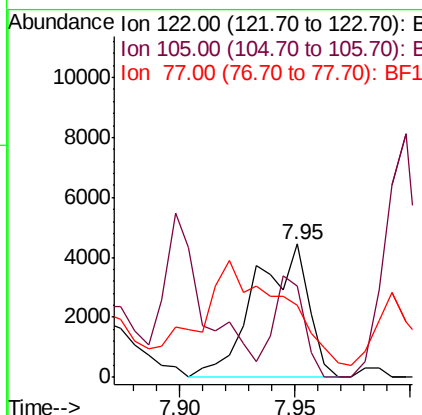
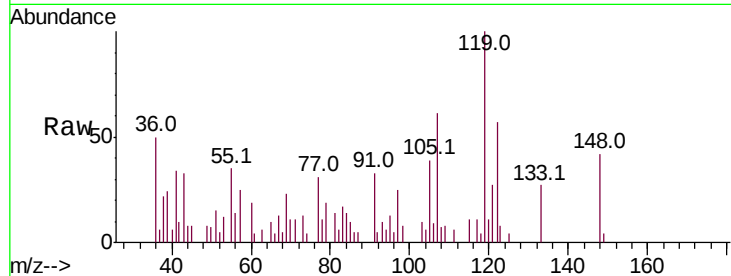




#32
Benzoic acid
Concen: 7.166 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

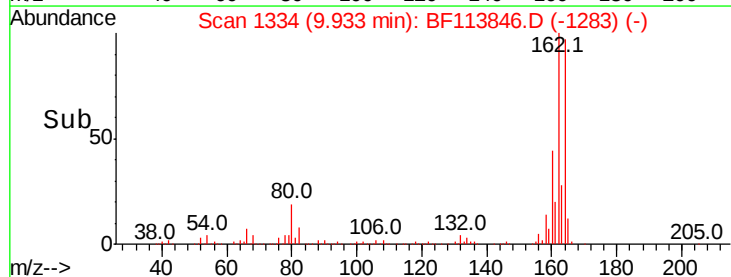
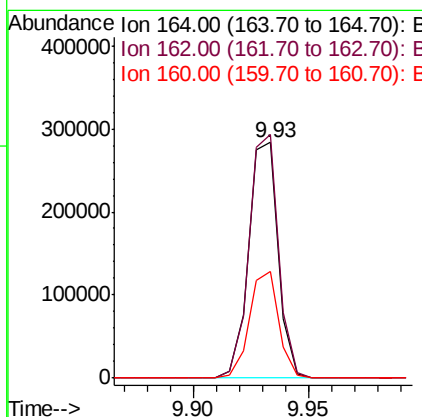
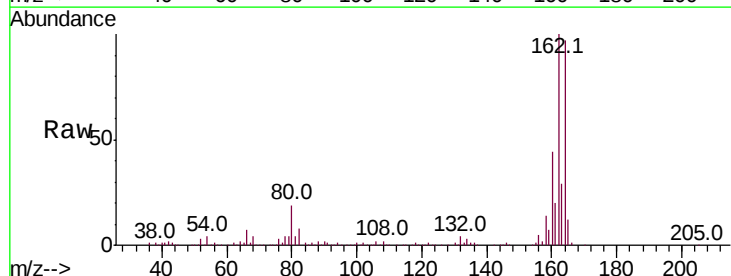
Instrument :
BNA_F
ClientSampled :

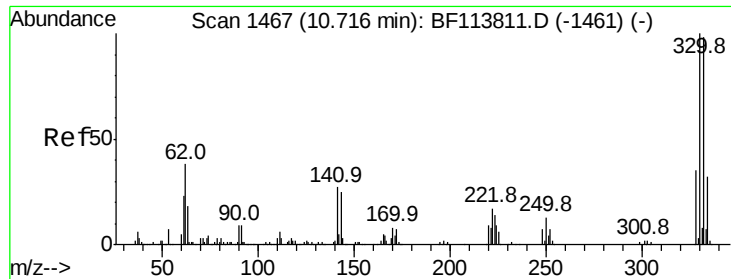
Tot Ion:122 Resp: 7167
Ion Ratio Lower Upper
122 100
105 68.8 104.3 144.3#
77 54.1 70.4 110.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Tgt Ion:164 Resp: 253703
Ion Ratio Lower Upper
164 100
162 103.3 81.1 121.7
160 45.1 35.8 53.6

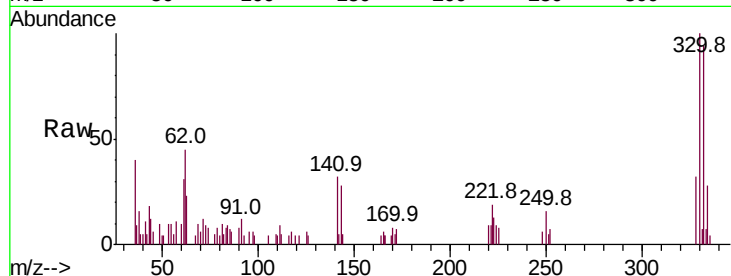




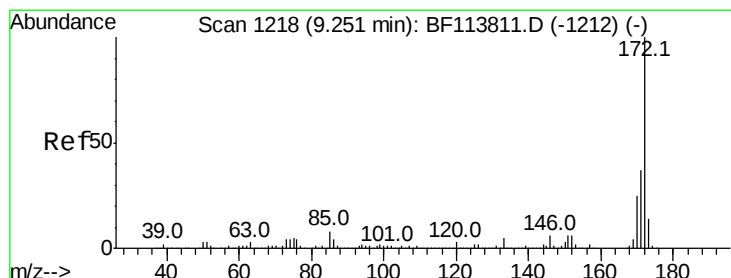
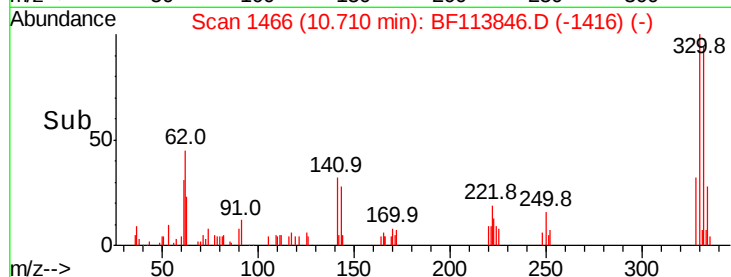
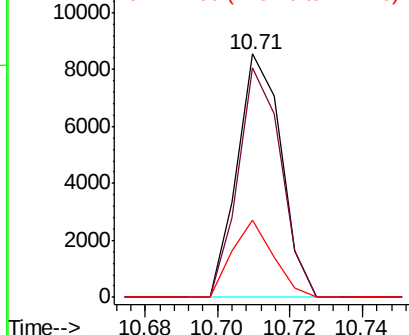
#42
 2,4,6-Tribromophenol
 Concen: 2.592 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113846.D
 Acq: 19 Apr 2019 6:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 7266
 Ion Ratio Lower Upper
 330 100
 332 92.0 77.5 116.3
 141 29.5 22.2 33.2

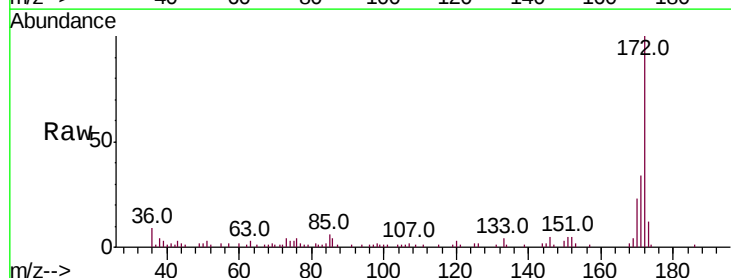


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

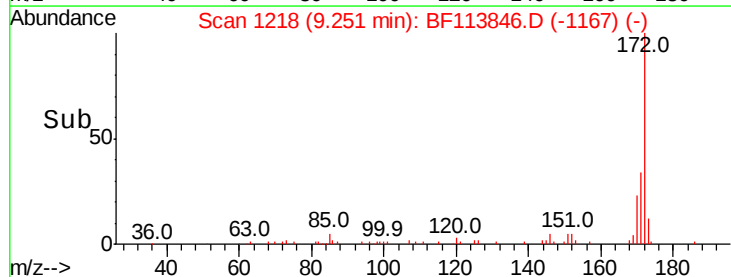
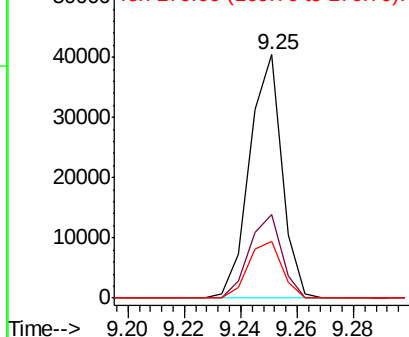


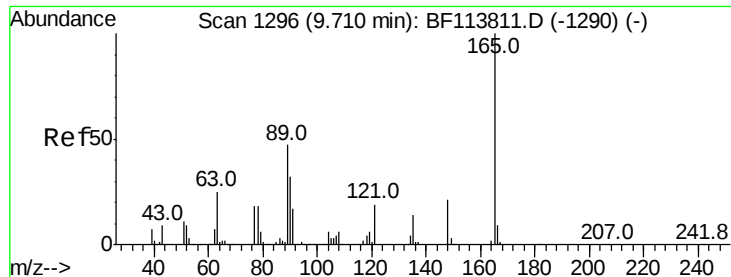
#45
 2-Fluorobiphenyl
 Concen: 1.930 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113846.D
 Acq: 19 Apr 2019 6:06

Tgt Ion:172 Resp: 32113
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.4 44.0
 170 23.1 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

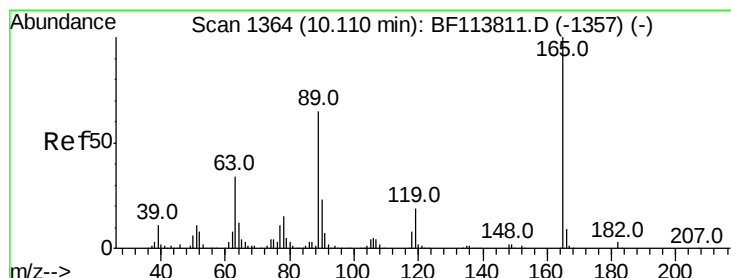
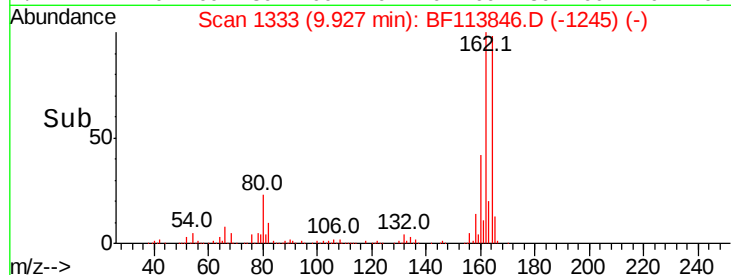
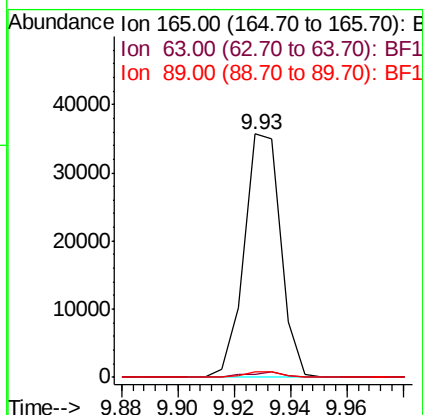
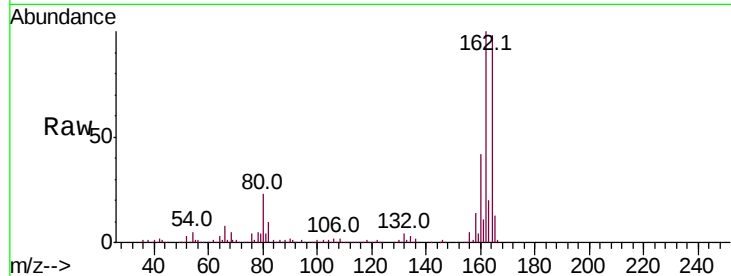




#51
 2,6-Dinitrotoluene
 Concen: 8.165 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF113846.D
 Acq: 19 Apr 2019 6:06

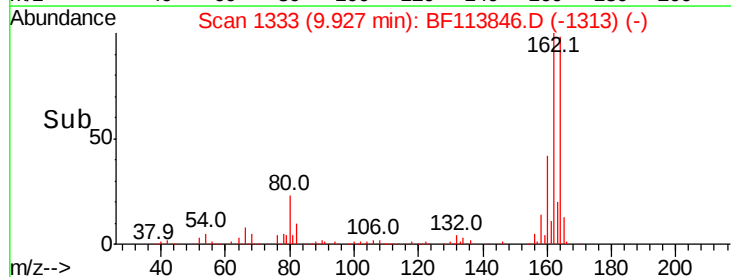
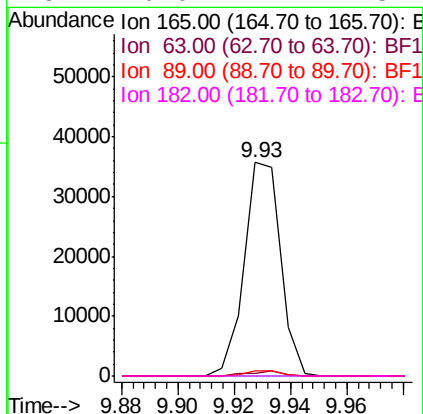
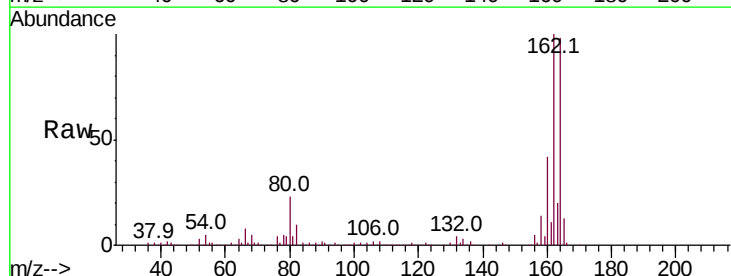
Instrument :
 BNA_F
 ClientSampleId :

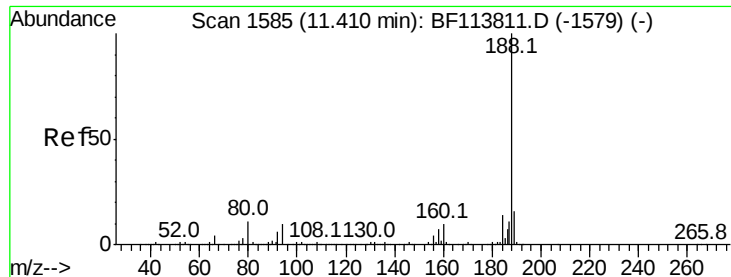
Tot Ion:165 Resp: 31993
 Ion Ratio Lower Upper
 165 100
 63 1.3 33.8 50.8#
 89 2.5 38.2 57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.581 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF113846.D
 Acq: 19 Apr 2019 6:06

Tgt Ion:165 Resp: 31993
 Ion Ratio Lower Upper
 165 100
 63 1.3 27.4 41.0#
 89 2.5 51.8 77.6#
 182 0.0 2.2 3.2#

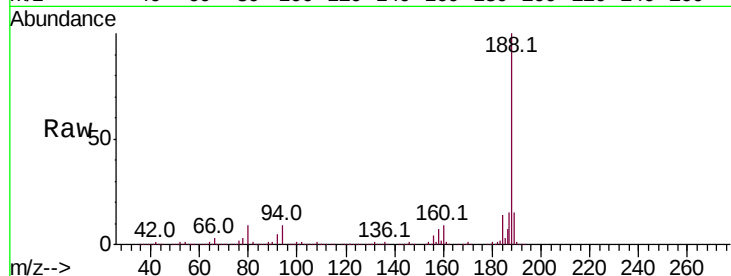




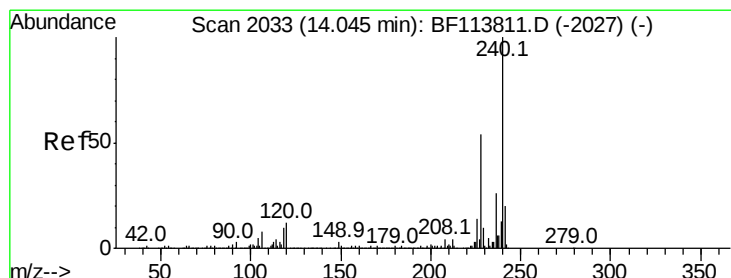
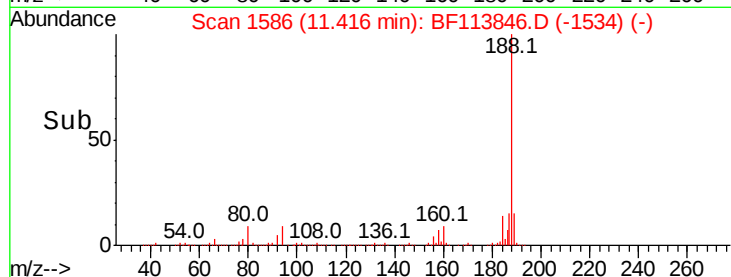
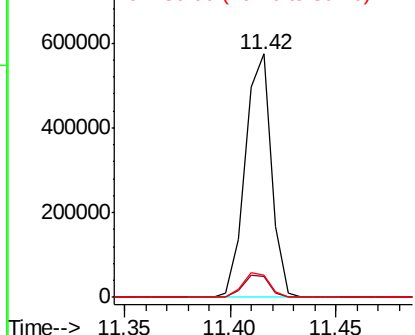
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 493229
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.4
80 9.1 9.0 13.6

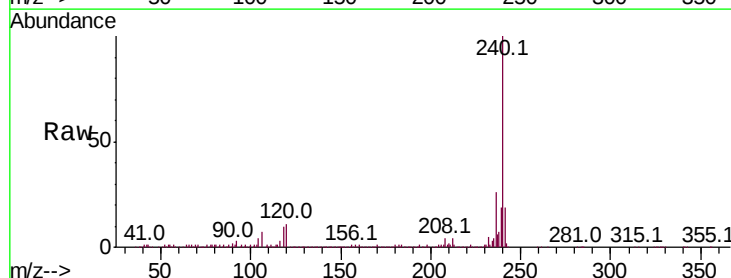


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

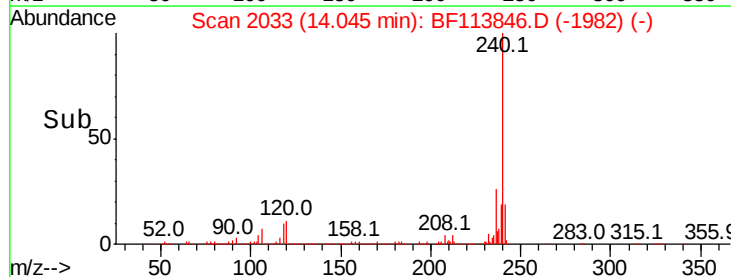
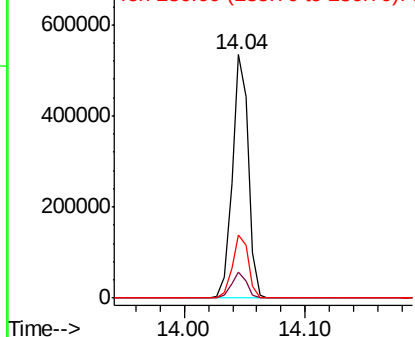


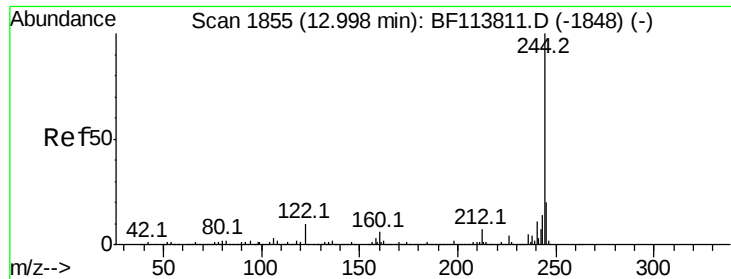
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF113846.D
Acq: 19 Apr 2019 6:06

Tgt Ion:240 Resp: 490833
Ion Ratio Lower Upper
240 100
120 10.9 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





#79

Terphenyl-d14

Concen: 1.911 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113846.D

Acq: 19 Apr 2019 6:06

Instrument :

BNA_F

ClientSampleId :

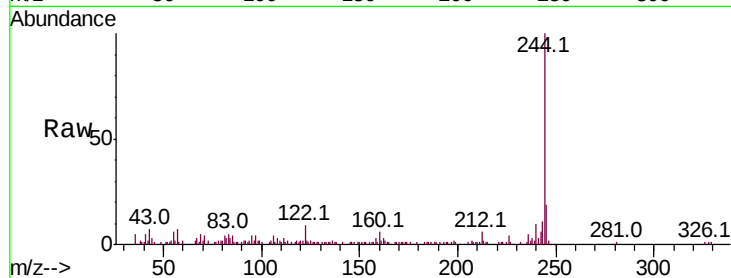
Tot Ion:244 Resp: 44729

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

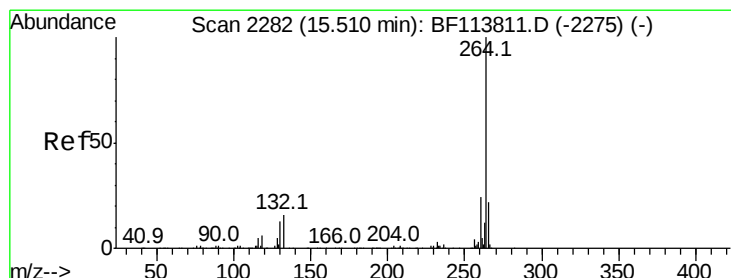
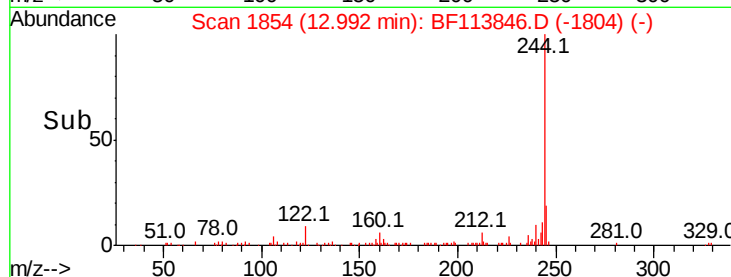
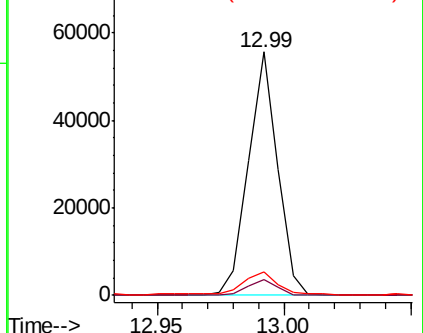
122 9.4 7.6 11.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF113846.D

Acq: 19 Apr 2019 6:06

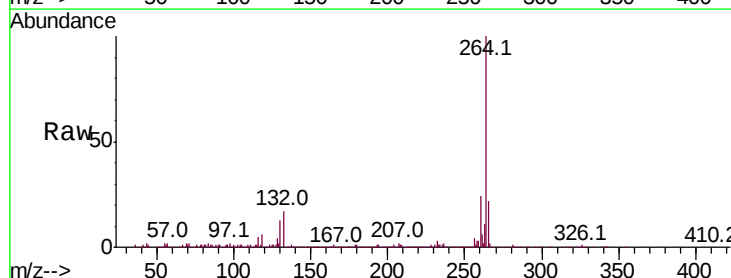
Tgt Ion:264 Resp: 398599

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.2 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

