

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120518\
 Data File : BF111125.D
 Acq On : 5 Dec 2018 23:33
 Operator : JU/SJ
 Sample : J6198-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-120318

Quant Time: Dec 06 01:09:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	524744	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2059023	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	913849	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1335208	20.00	ng	0.00
76) Chrysene-d12	13.96	240	970603	20.00	ng	0.00
87) Perylene-d12	15.39	264	673323	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1680132	49.96	ng	0.00
7) Phenol-d6	6.43	99	2180449	50.34	ng	0.00
23) Nitrobenzene-d5	7.36	82	1269060	36.49	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	328890	45.28	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1882012	28.58	ng	0.00
79) Terphenyl-d14	12.90	244	1285237	27.12	ng	0.00

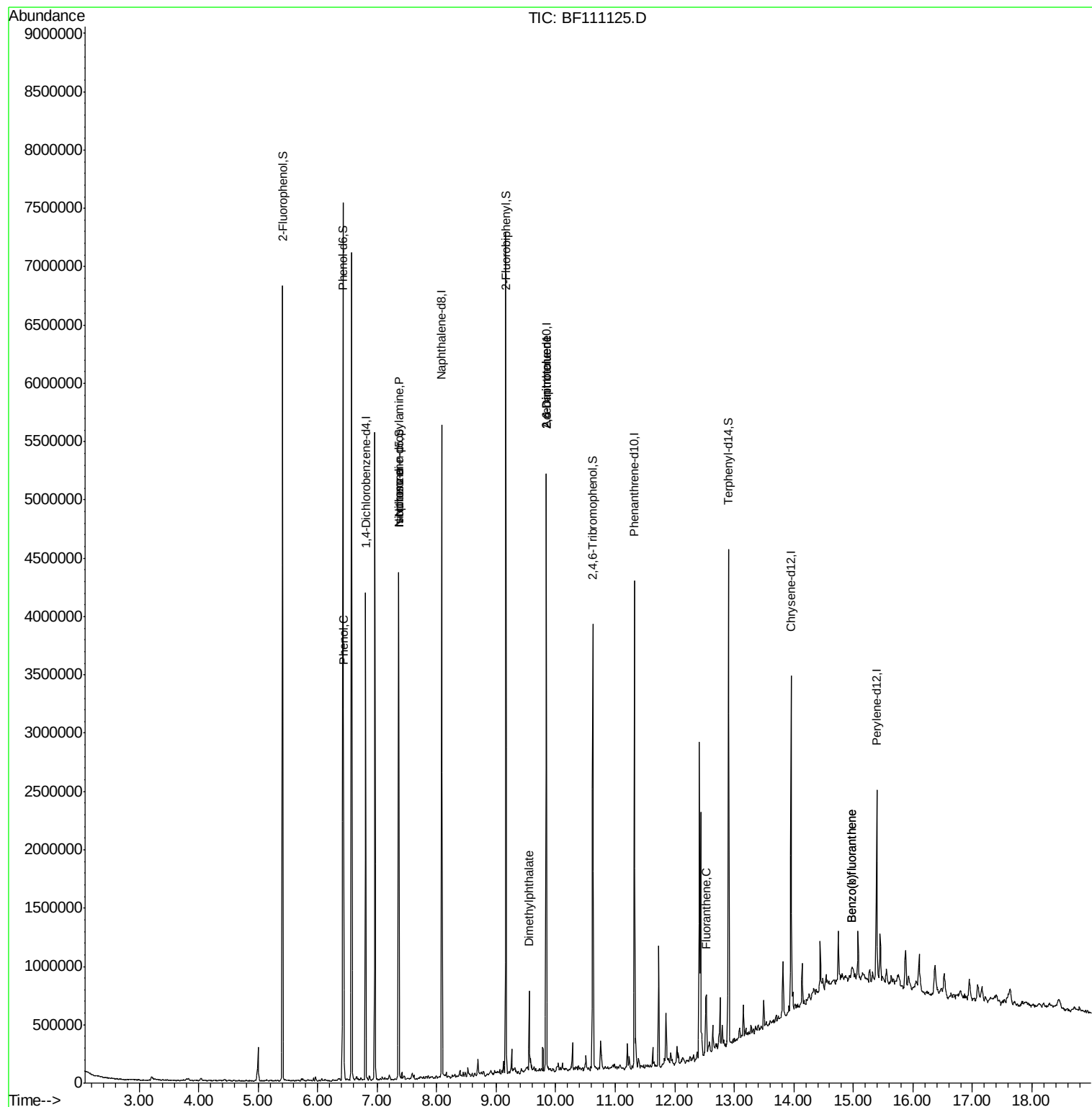
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	6670	Below Cal		# 1
10) Phenol	6.44	94	139303	2.949	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	171821	5.902	ng	# 77
25) Isophorone	7.36	82	1264694	19.814	ng	# 65
50) Dimethylphthalate	9.55	163	239715	3.769	ng	97
51) 2,6-Dinitrotoluene	9.84	165	116006	8.603	ng	# 26
57) 2,4-Dinitrotoluene	9.84	165	116006	6.661	ng	# 23
75) Fluoranthene	12.53	202	159657	2.540	ng	98
77) Benzydine	12.69	184	853	Below Cal		# 1
88) Benzo(b)fluoranthene	14.97	252	81430	2.134	ng	# 80
89) Benzo(k)fluoranthene	14.97	252	81430	2.208	ng	# 80

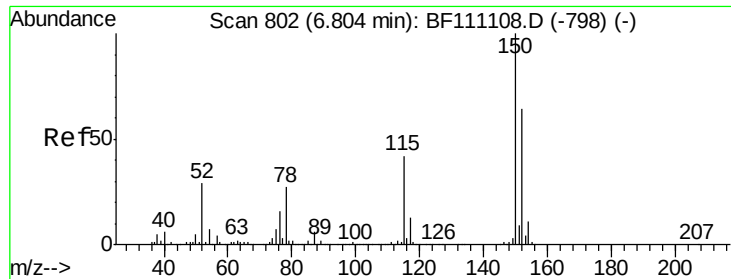
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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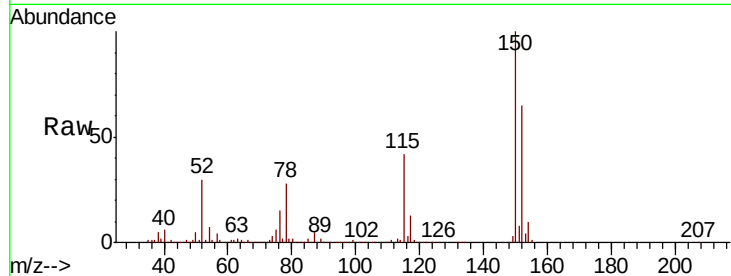


#1

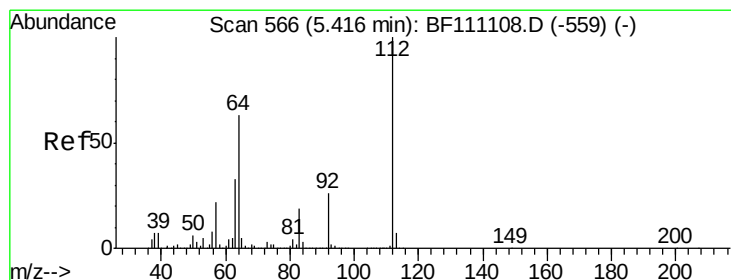
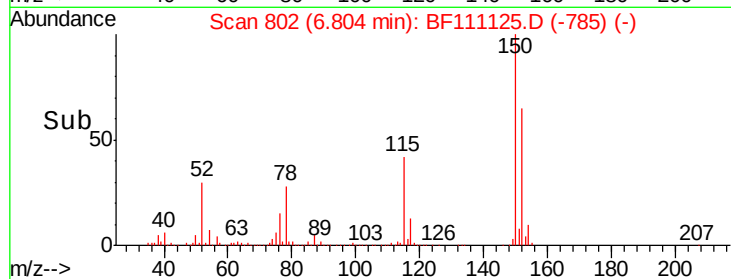
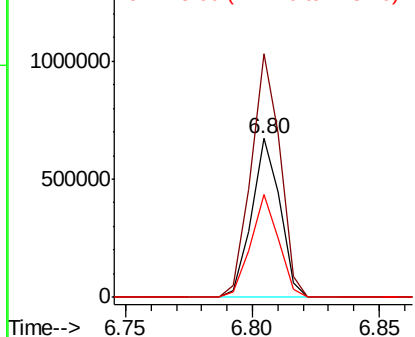
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SA-06-120318

Tgt Ion:152 Resp: 524744
Ion Ratio Lower Upper
152 100
150 153.4 124.6 187.0
115 64.5 52.2 78.2



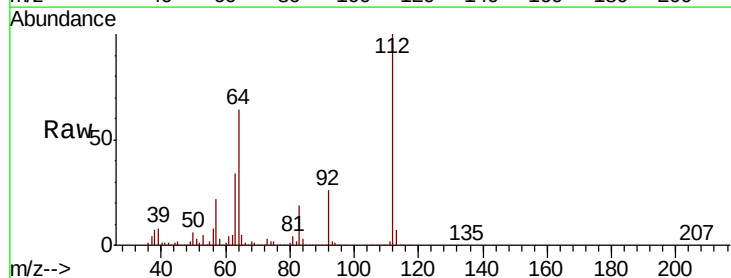
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



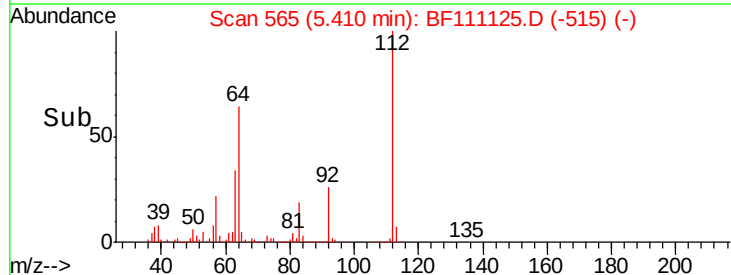
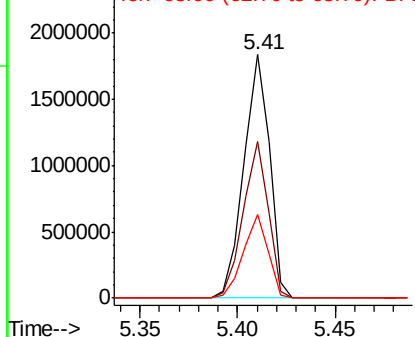
#5

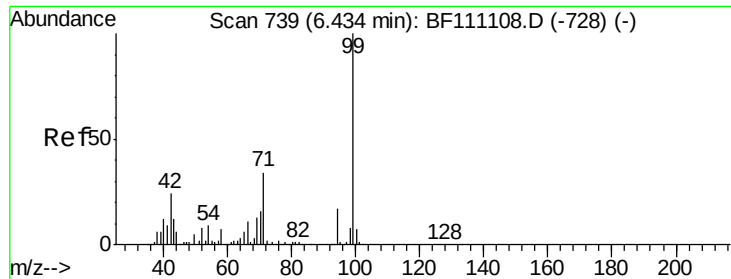
2-Fluorophenol
Concen: 49.963 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Tgt Ion:112 Resp: 1680132
Ion Ratio Lower Upper
112 100
64 64.1 50.2 75.4
63 34.4 26.6 39.8



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: 50.336 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

Instrument :

BNA_F

ClientSampleId :

SA-06-120318

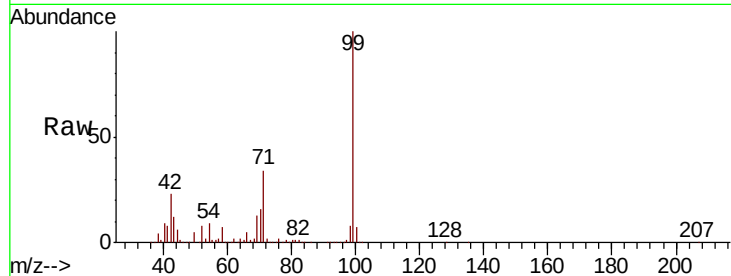
Tgt Ion: 99 Resp: 2180449

Ion Ratio Lower Upper

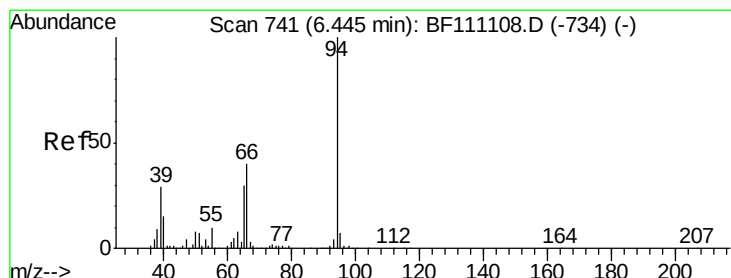
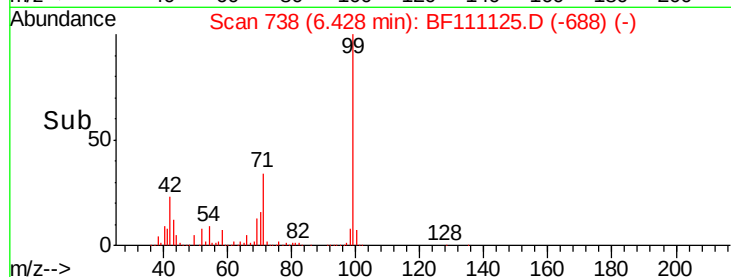
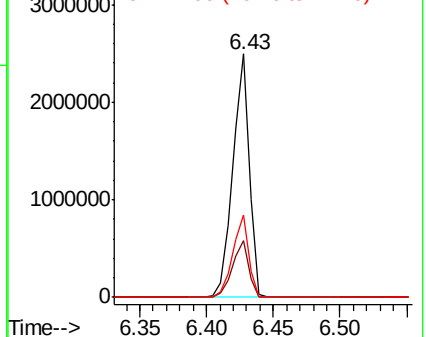
99 100

42 23.1 19.3 28.9

71 34.0 27.4 41.2



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: 2.949 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

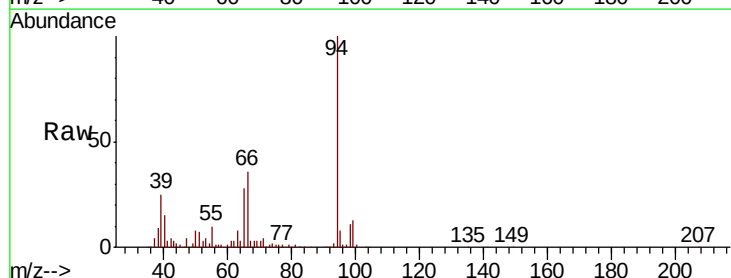
Tgt Ion: 94 Resp: 139303

Ion Ratio Lower Upper

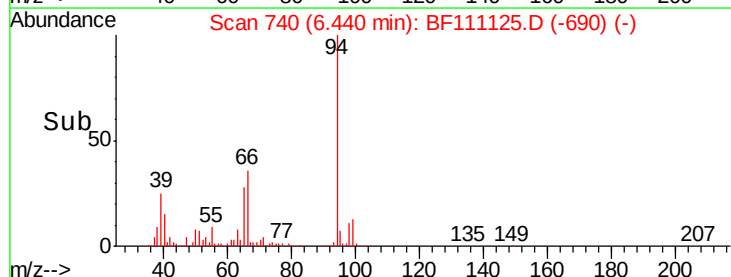
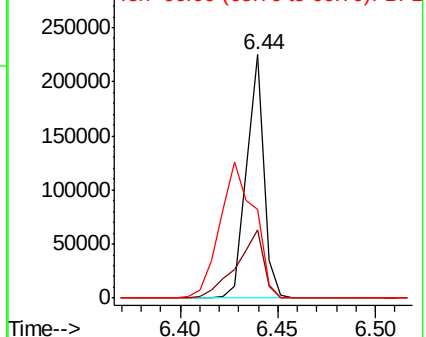
94 100

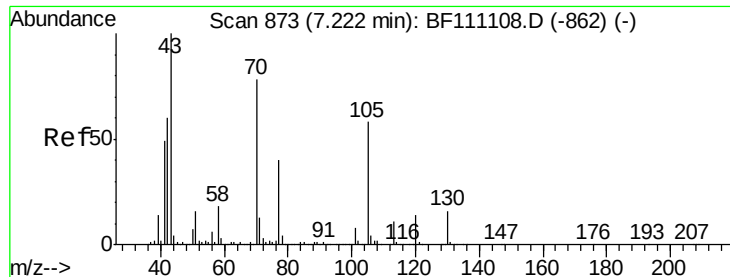
65 27.9 10.5 50.5

66 36.3 19.8 59.8



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

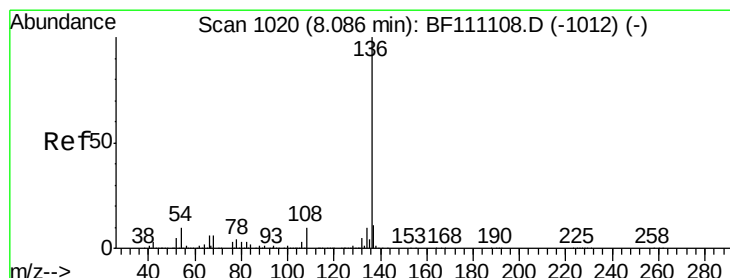
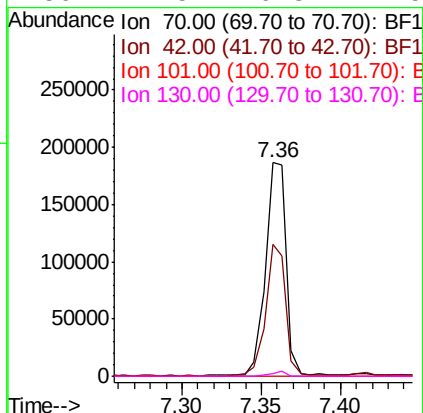
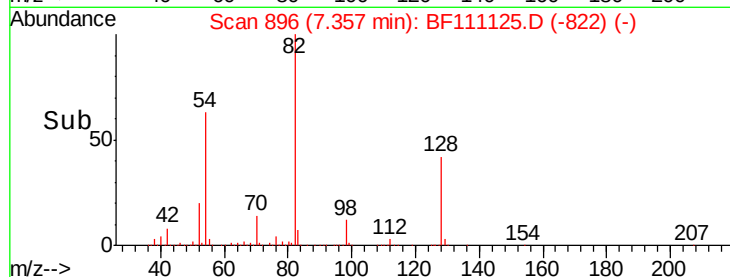
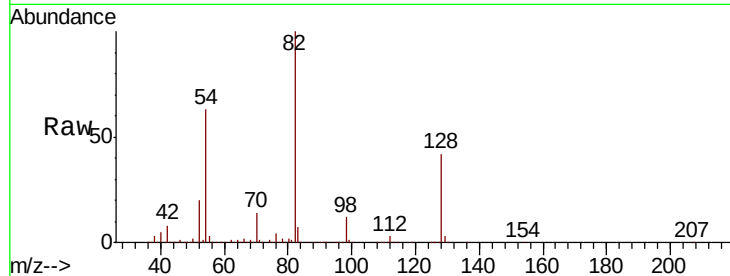




#19
n-Nitroso-di-n-propylamine
Concen: 5.902 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

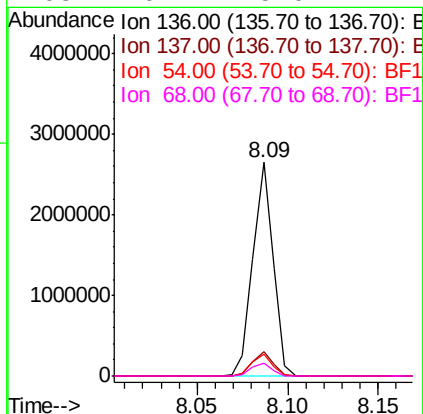
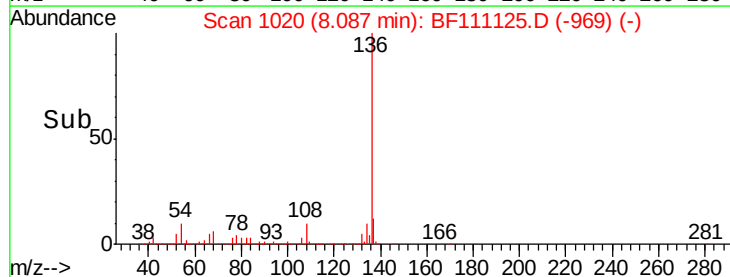
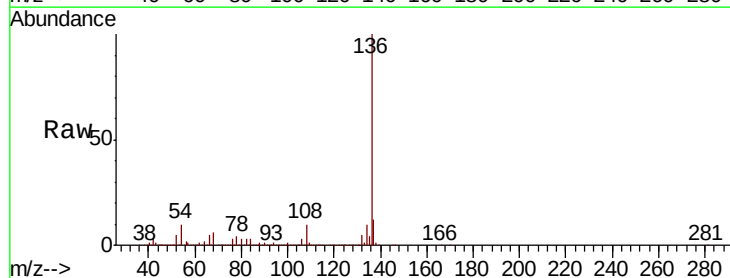
Instrument :
BNA_F
ClientSampleId :
SA-06-120318

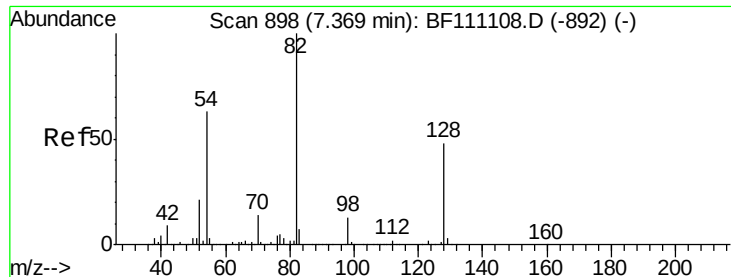
Tgt Ion: 70 Resp: 171821
Ion Ratio Lower Upper
70 100
42 61.5 61.3 91.9
101 0.0 7.7 11.5#
130 1.5 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Tgt Ion: 136 Resp: 2059023
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.1 8.4 12.6
68 6.2 5.0 7.4

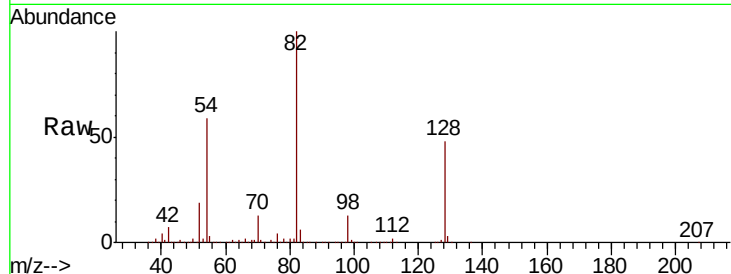




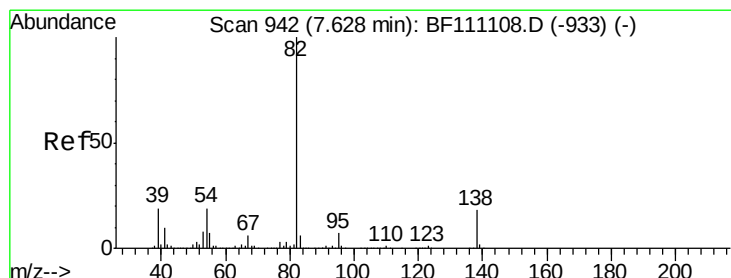
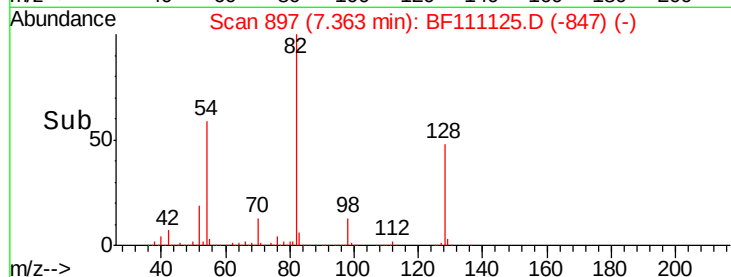
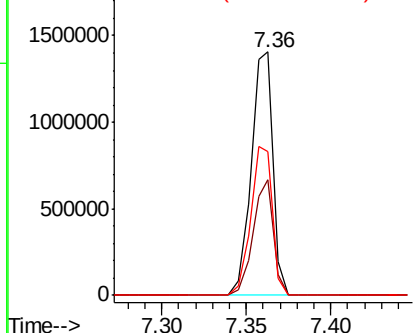
#23
Nitrobenzene-d5
Concen: 36.489 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SA-06-120318

Tgt Ion: 82 Resp: 1269060
Ion Ratio Lower Upper
82 100
128 47.7 38.1 57.1
54 59.1 50.3 75.5

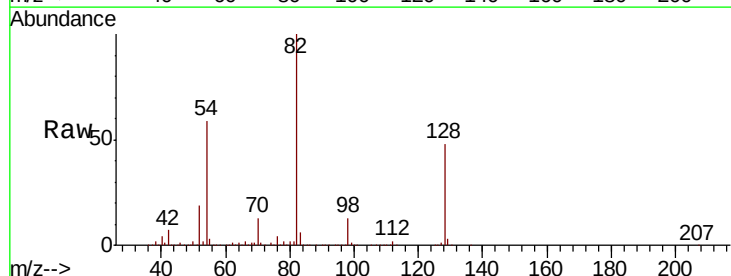


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

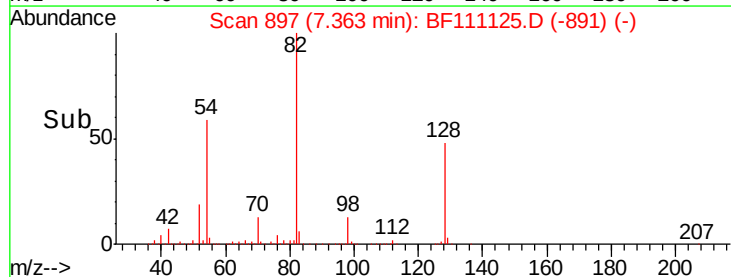
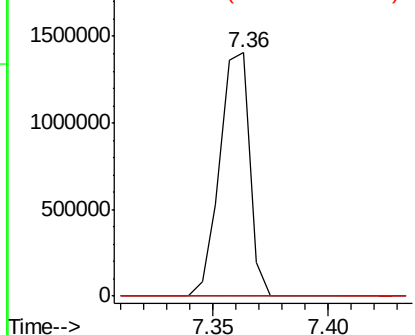


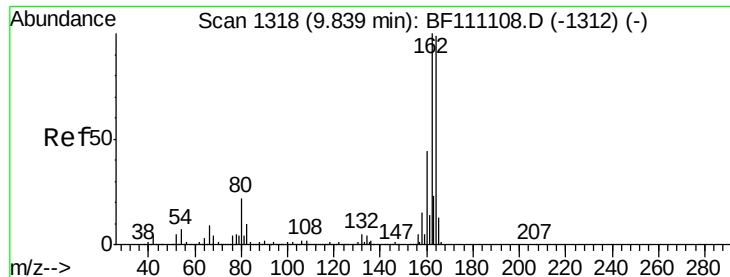
#25
Isophorone
Concen: 19.814 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Tgt Ion: 82 Resp: 1264694
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

Instrument :

BNA_F

ClientSampleId :

SA-06-120318

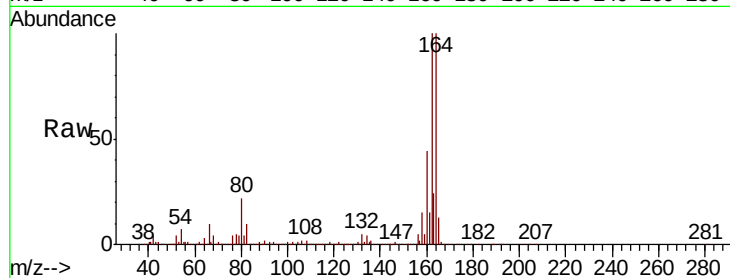
Tgt Ion:164 Resp: 913849

Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

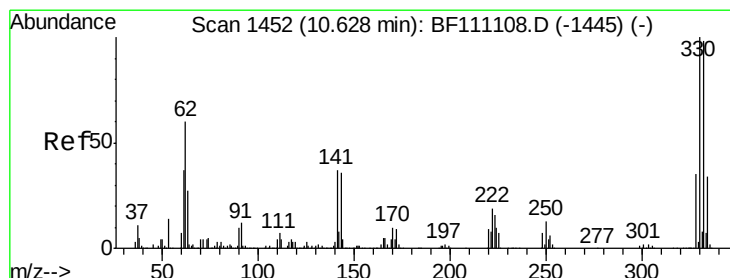
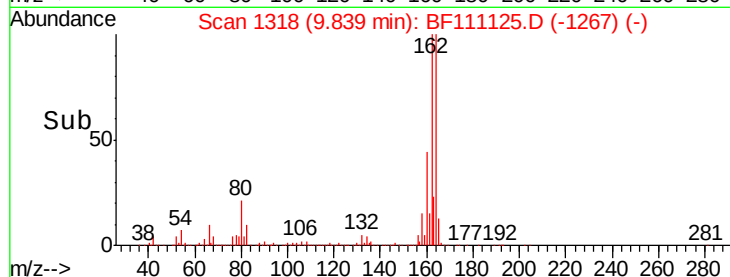
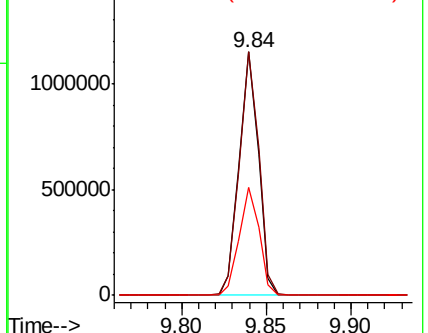
160 44.1 35.5 53.3



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: 45.276 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

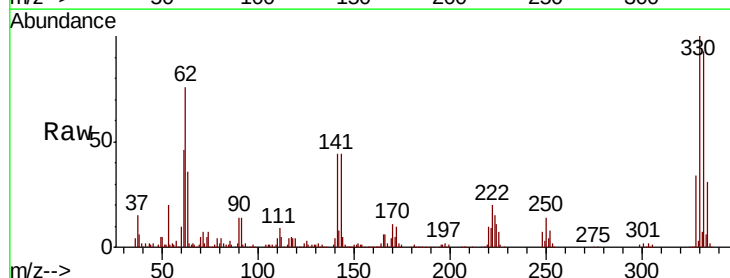
Tgt Ion:330 Resp: 328890

Ion Ratio Lower Upper

330 100

332 94.8 77.2 115.8

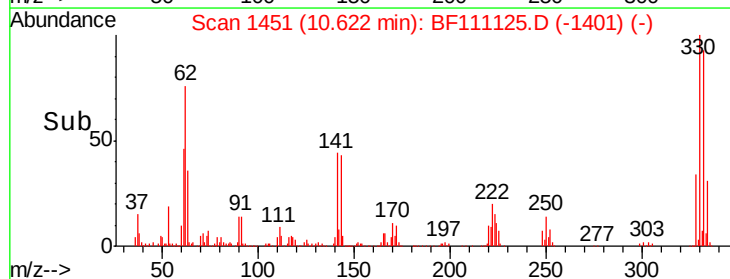
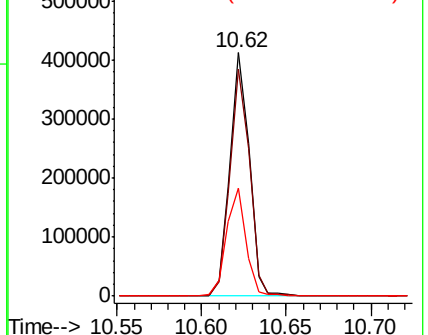
141 44.5 36.1 54.1

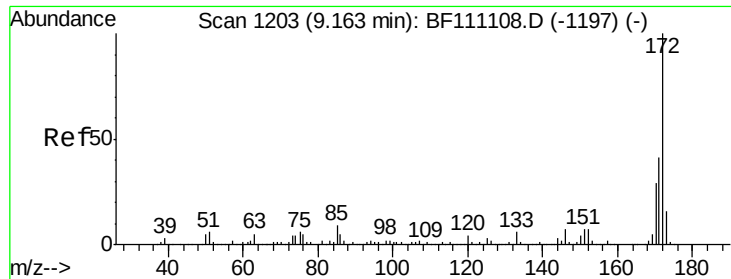


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

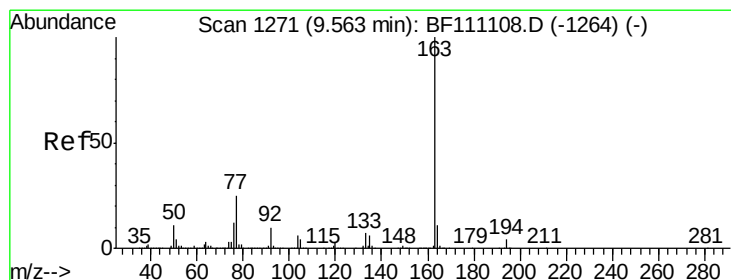
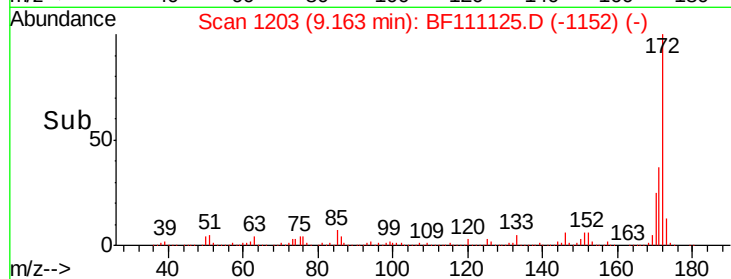
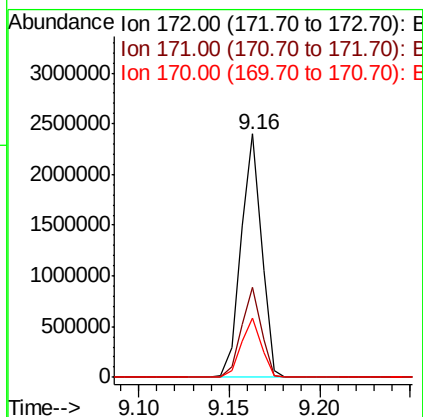
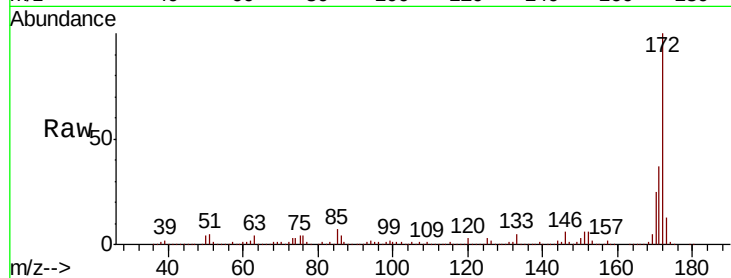




#45
 2-Fluorobiphenyl
 Concen: 28.580 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF111125.D
 Acq: 5 Dec 2018 23:33

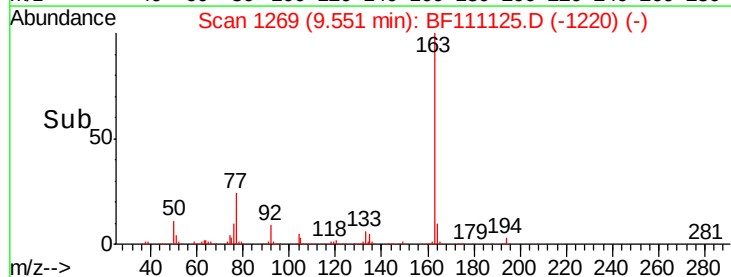
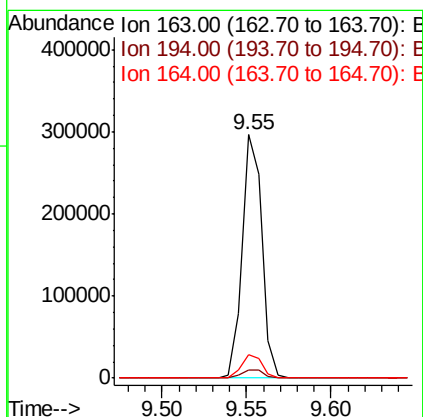
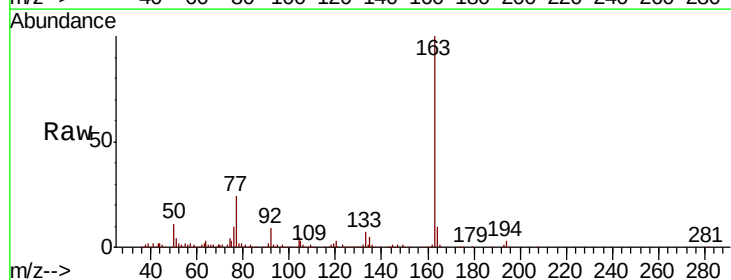
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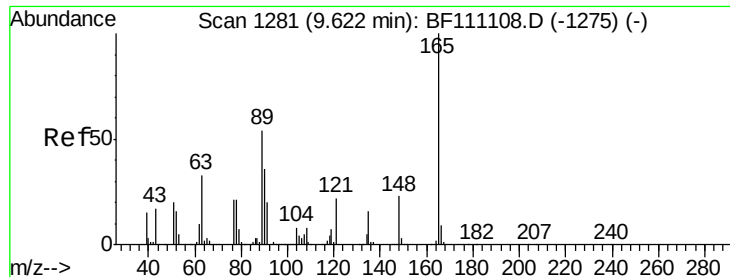
Tgt Ion:172 Resp: 1882012
 Ion Ratio Lower Upper
 172 100
 171 36.8 33.2 49.8
 170 24.5 22.9 34.3



#50
 Dimethylphthalate
 Concen: 3.769 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF111125.D
 Acq: 5 Dec 2018 23:33

Tgt Ion:163 Resp: 239715
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.4
 164 9.5 8.9 13.3

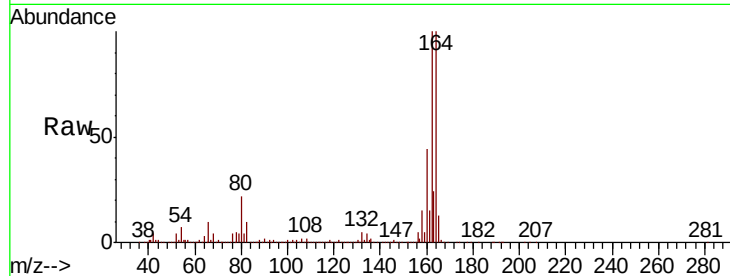




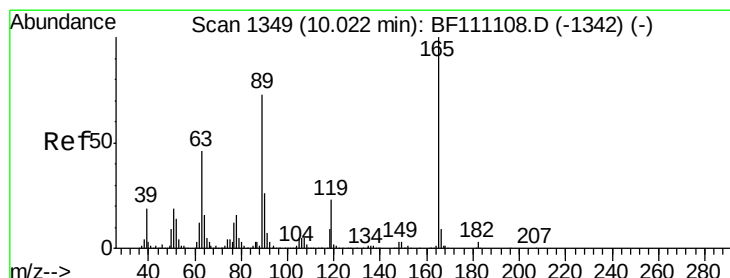
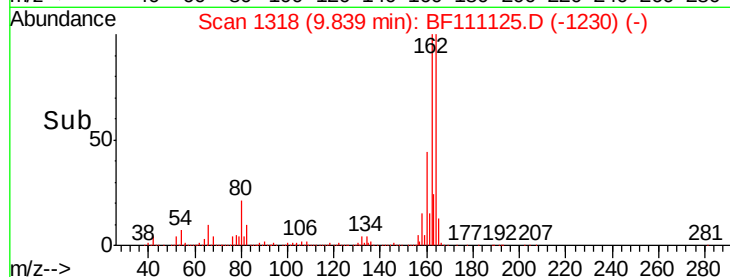
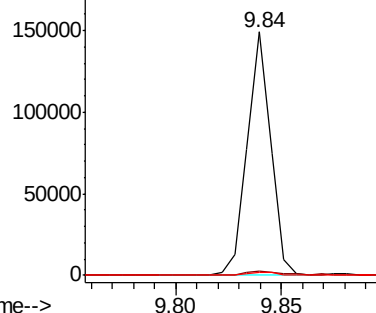
#51
 2,6-Dinitrotoluene
 Concen: 8.603 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.22 min
 Lab File: BF111125.D
 Acq: 5 Dec 2018 23:33

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-120318

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.3	43.0	64.4#

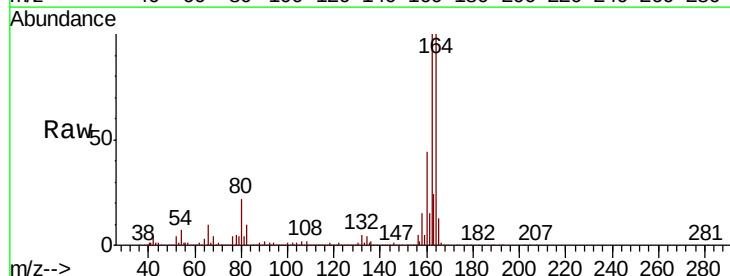


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

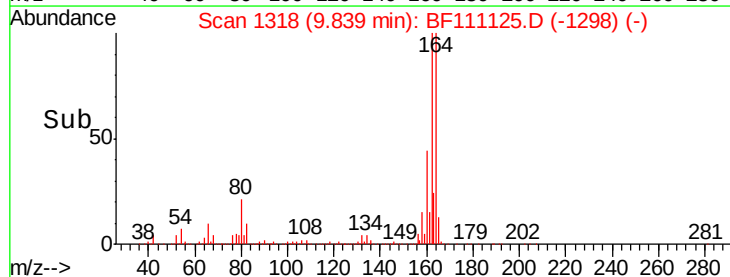
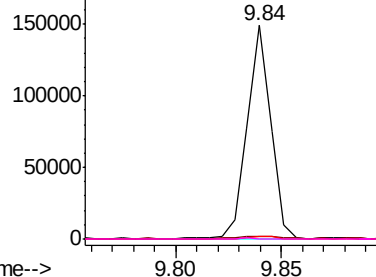


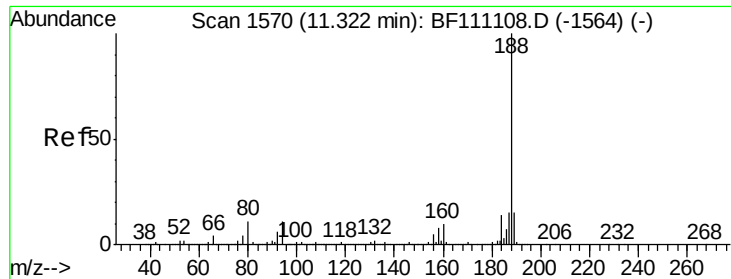
#57
 2,4-Dinitrotoluene
 Concen: 6.661 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.18 min
 Lab File: BF111125.D
 Acq: 5 Dec 2018 23:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.7	55.1#
89	1.3	58.4	87.6#
182	0.3	2.1	3.1#



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

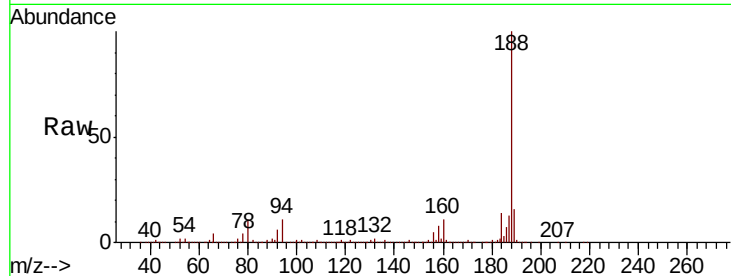




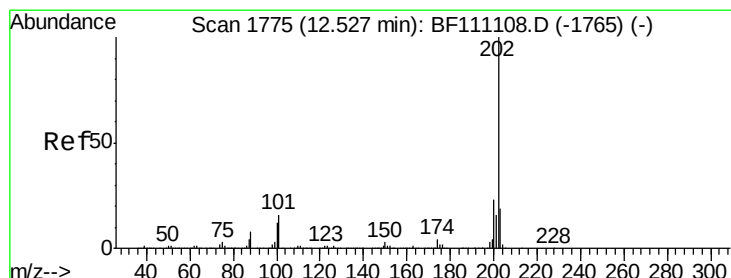
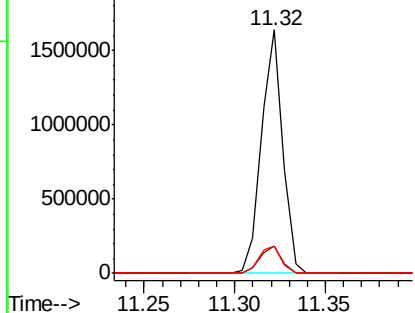
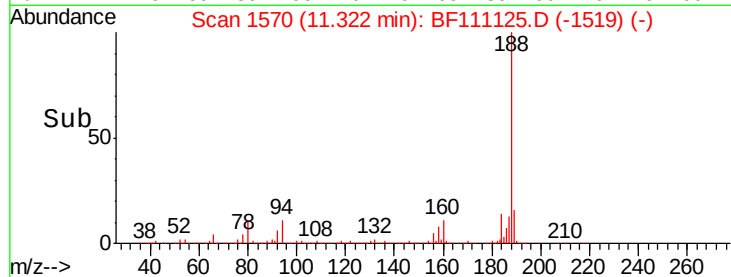
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SA-06-120318

Tgt Ion:188 Resp: 1335208
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 11.0 9.0 13.6

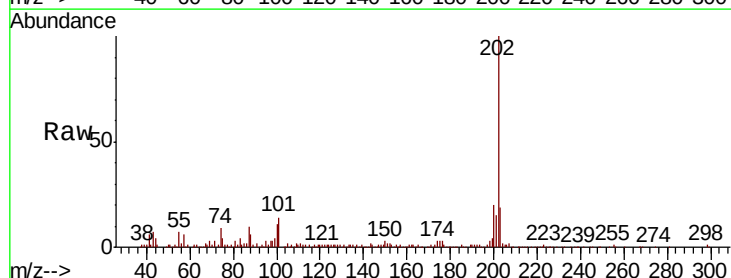


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

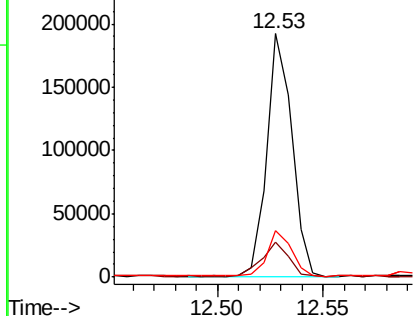
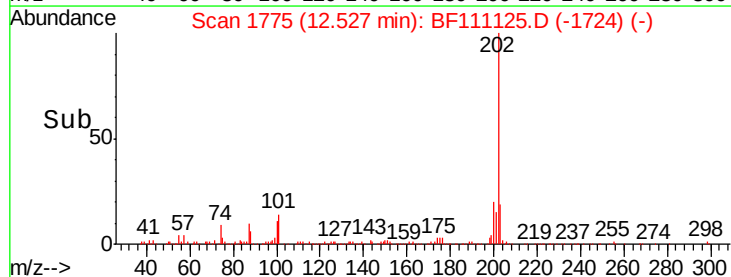


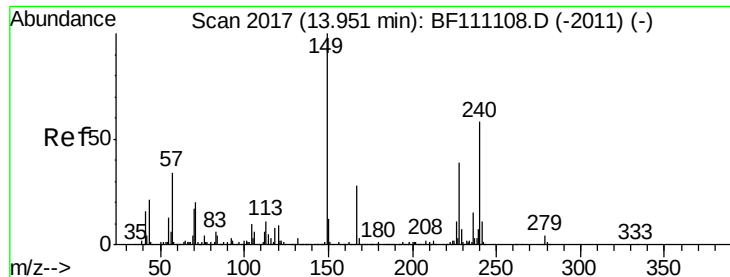
#75
Fluoranthene
Concen: 2.540 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Tgt Ion:202 Resp: 159657
Ion Ratio Lower Upper
202 100
101 14.2 0.0 35.8
203 19.1 0.0 38.6



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

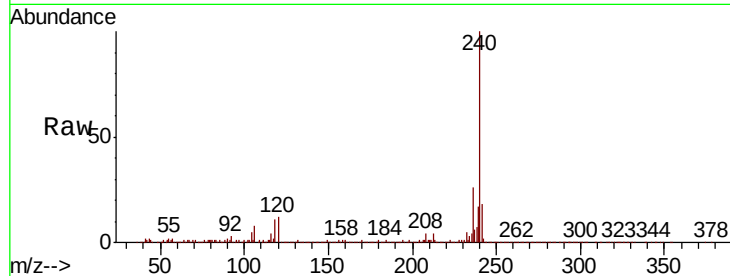




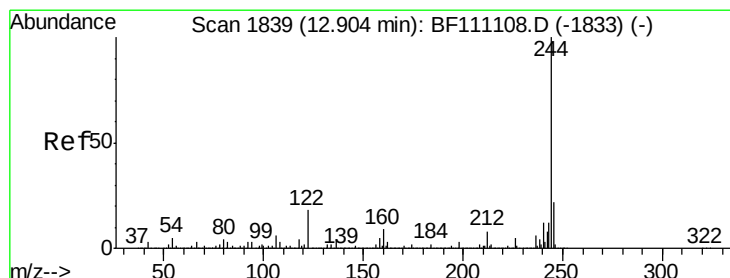
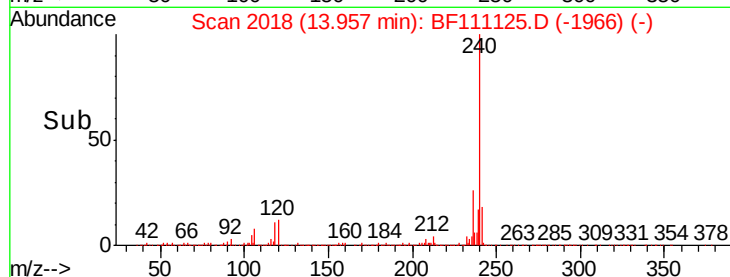
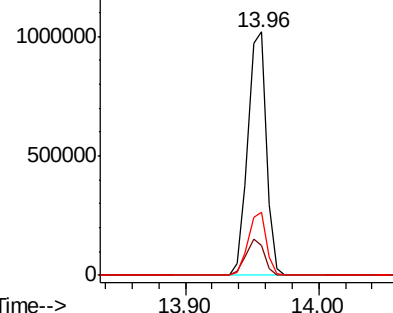
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Instrument :
BNA_F
ClientSampled :
SA-06-120318

Tgt Ion:240 Resp: 970603
Ion Ratio Lower Upper
240 100
120 12.1 12.8 19.2#
236 25.7 21.1 31.7

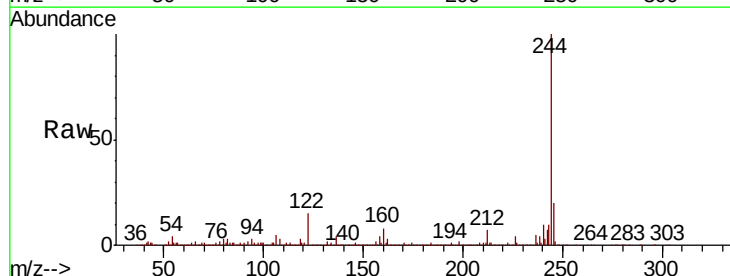


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

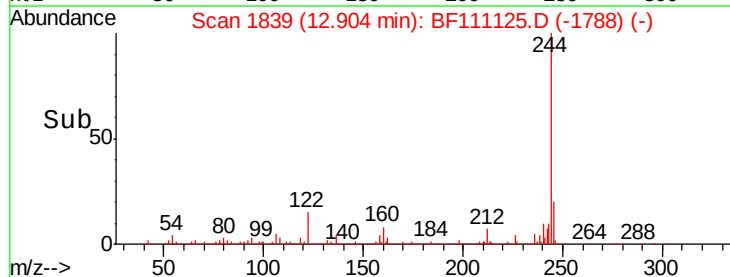
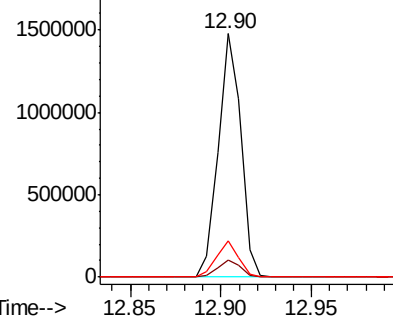


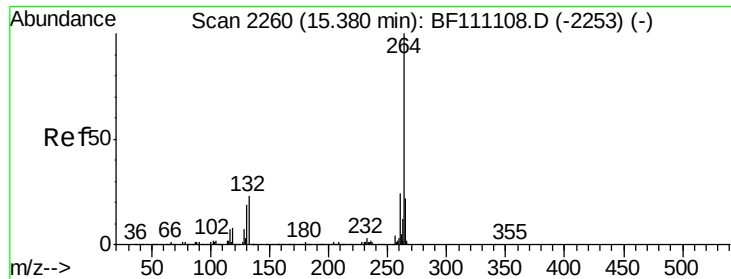
#79
Terphenyl-d14
Concen: 27.119 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF111125.D
Acq: 5 Dec 2018 23:33

Tgt Ion:244 Resp: 1285237
Ion Ratio Lower Upper
244 100
212 7.1 6.6 9.8
122 15.0 14.2 21.2



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: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

Instrument :

BNA_F

ClientSampleId :

SA-06-120318

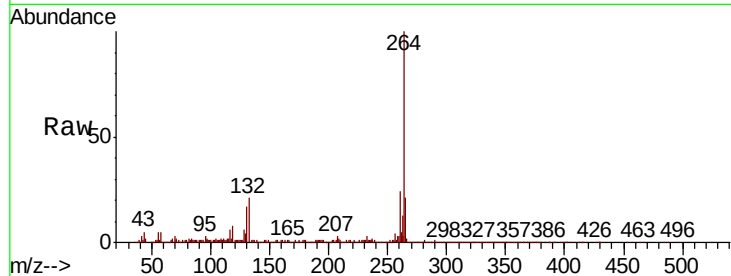
Tgt Ion:264 Resp: 673323

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 21.2 17.4 26.0

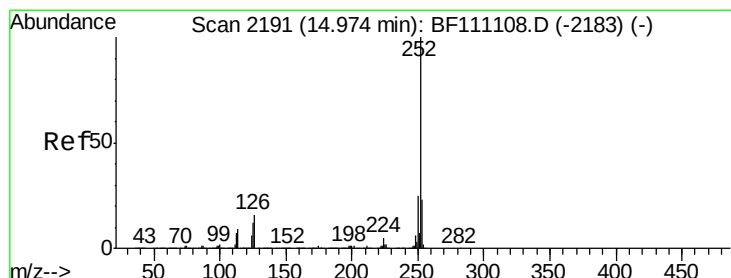
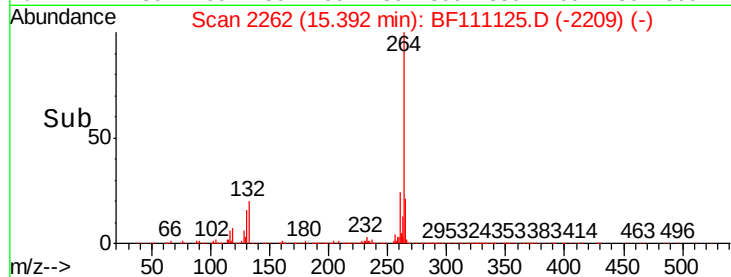
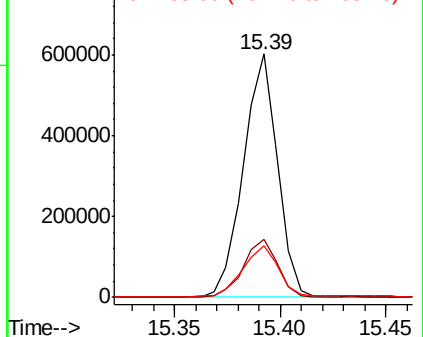


Abundance

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: 2.134 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

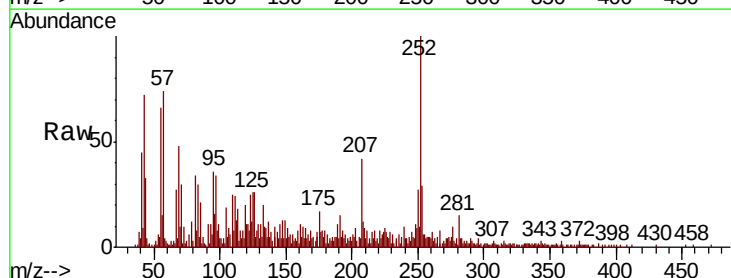
Tgt Ion:252 Resp: 81430

Ion Ratio Lower Upper

252 100

253 28.7 18.5 27.7#

125 26.3 9.9 14.9#

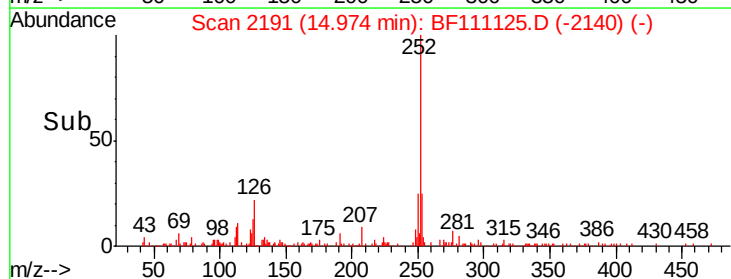
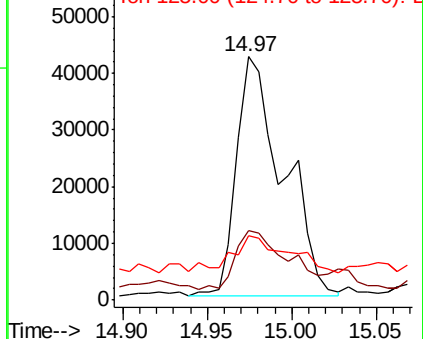


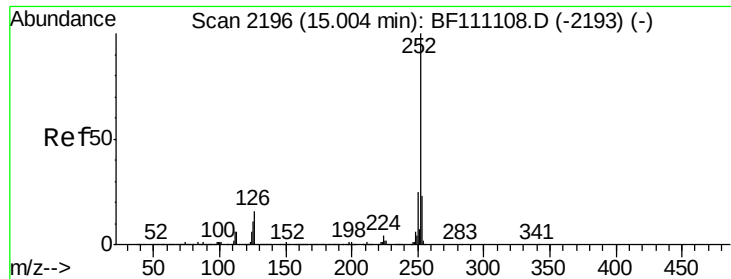
Abundance

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: 2.208 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111125.D

Acq: 5 Dec 2018 23:33

Instrument :

BNA_F

ClientSampleId :

SA-06-120318

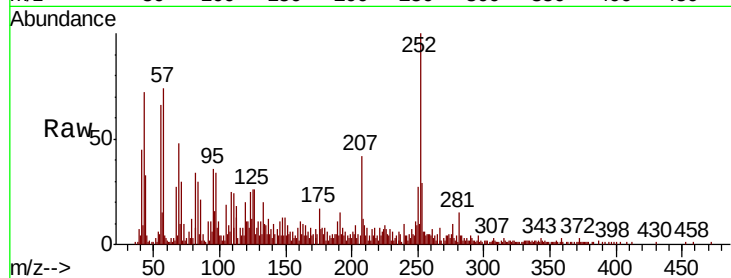
Tgt Ion:252 Resp: 81430

Ion Ratio Lower Upper

252 100

253 28.7 18.2 27.4#

125 26.3 9.9 14.9#



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

