

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089478.D
 Acq On : 31 Jul 2016 18:48
 Operator : UM/SJ
 Sample : H4265-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:15:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	42863	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	156317	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	64864	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	100891	20.00	ng	-0.06
75) Chrysene-d12	13.61	240	94175	20.00	ng	-0.06
86) Perylene-d12	14.95	264	98015	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.06	112	366982	136.71	ng	-0.05
7) Phenol-d6	6.16	99	523978	147.70	ng	-0.05
23) Nitrobenzene-d5	7.06	82	300676	113.54	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	70990	132.14	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	442630	100.15	ng	-0.06
78) Terphenyl-d14	12.57	244	294331	73.15	ng	-0.06

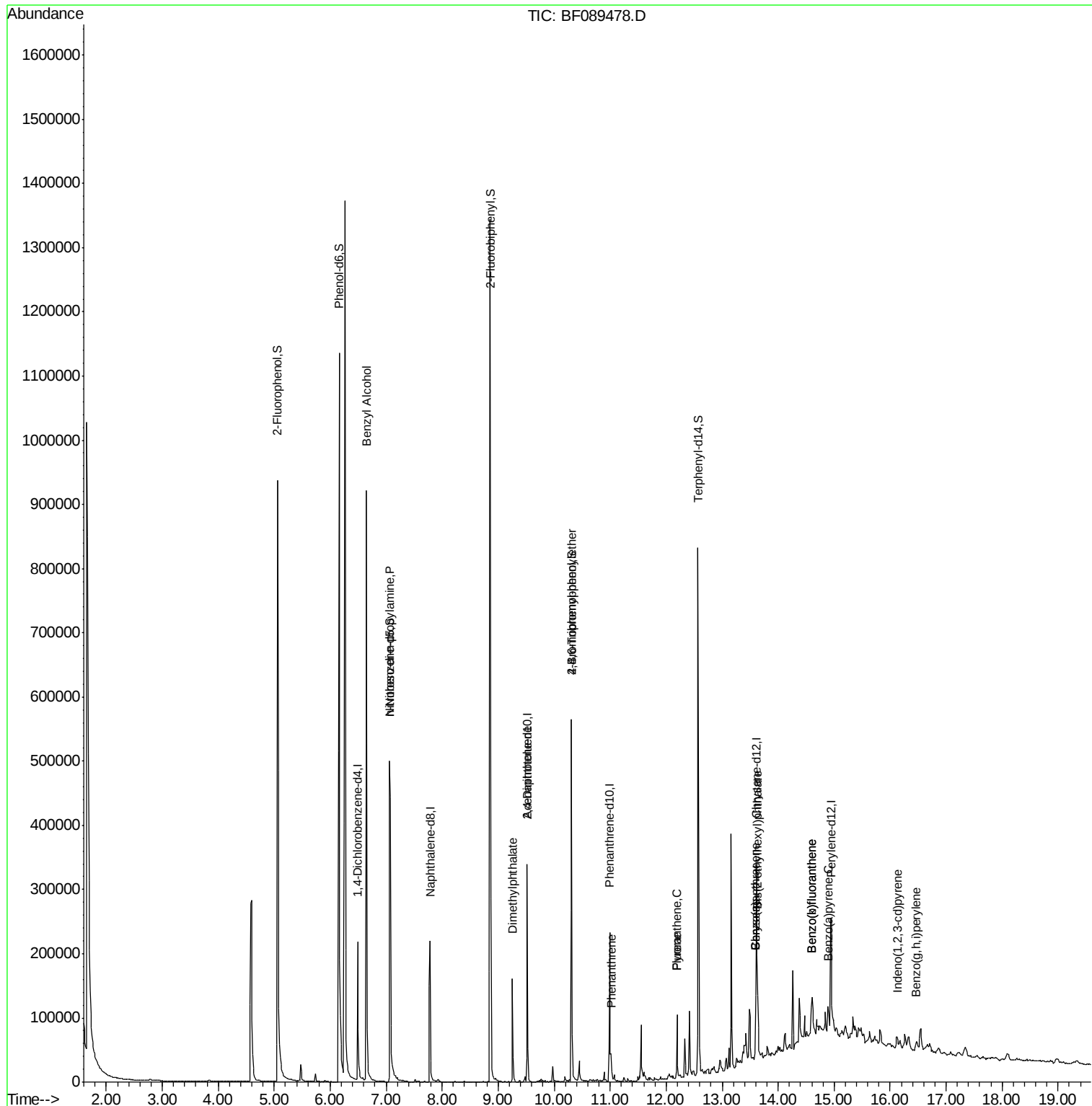
Target Compounds

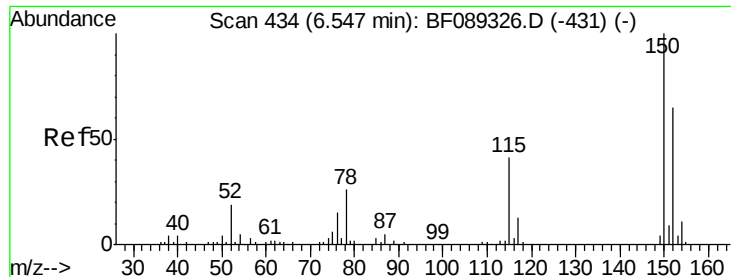
						Qvalue
15) Benzyl Alcohol	6.65	79	5195	2.36	ng	# 48
19) n-Nitroso-di-n-propylamine	7.06	70	39069	18.26	ng	# 82
49) Dimethylphthalate	9.26	163	66567	13.48	ng	99
56) 2,4-Dinitrotoluene	9.52	165	8111	6.07	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	5237	5.44	ng	# 1
70) Phenanthrene	11.02	178	17409	3.35	ng	99
74) Fluoranthene	12.19	202	44318	8.10	ng	98
77) Pyrene	12.19	202	44318	6.21	ng	98
80) Benzo(a)anthracene	13.60	228	24747	4.66	ng	95
82) Chrysene	13.60	228	24747	4.37	ng	96
83) Bis(2-ethylhexyl)phthalate	13.62	149	15677	3.34	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.13	276	13741	3.42	ng	# 88
87) Benzo(b)fluoranthene	14.61	252	39013	6.41	ng	# 95
88) Benzo(k)fluoranthene	14.61	252	39013	6.97	ng	97
89) Benzo(a)pyrene	14.89	252	21050	3.86	ng	# 90
91) Benzo(g,h,i)perylene	16.47	276	12405	2.93	ng	95

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

```
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Operator  : UM/SJ  
Sample    : H4265-01  
Misc      :  
ALS Vial  : 15      Sample Multiplier: 1
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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

ClientSampleId :

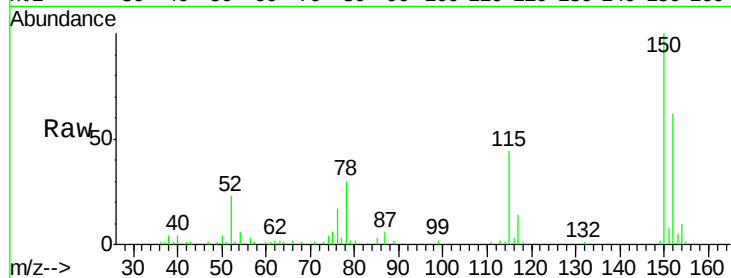
Tot Ion:152 Resp: 42863

Ion Ratio Lower Upper

152 100

150 161.8 129.5 194.3

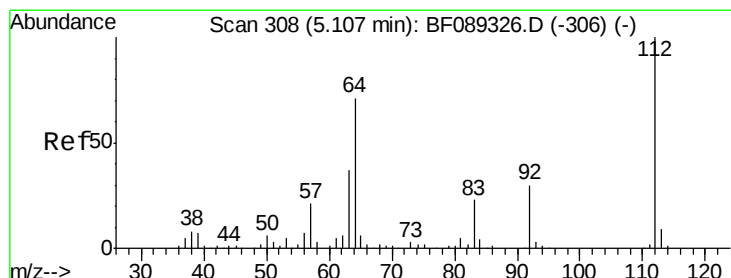
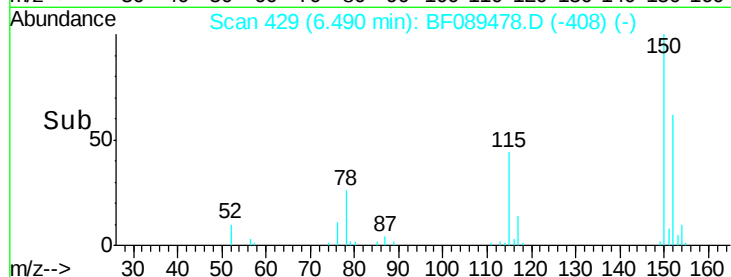
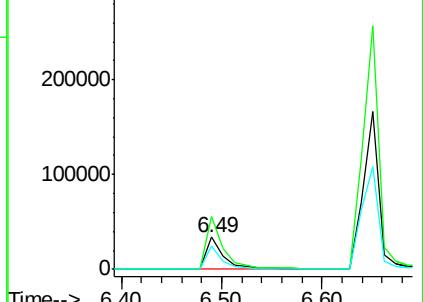
115 70.6 51.4 77.2



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: 136.71 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

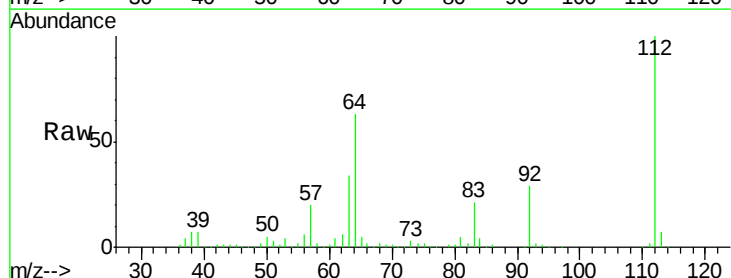
Tgt Ion:112 Resp: 366982

Ion Ratio Lower Upper

112 100

64 63.4 55.0 82.6

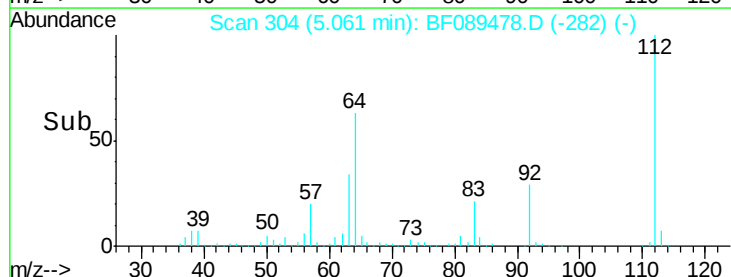
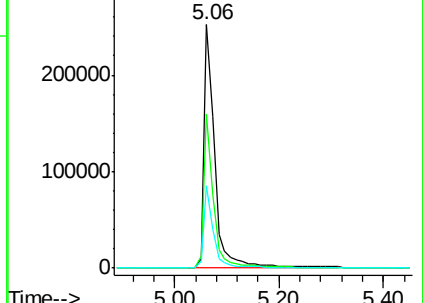
63 33.9 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.70 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

ClientSampleId :

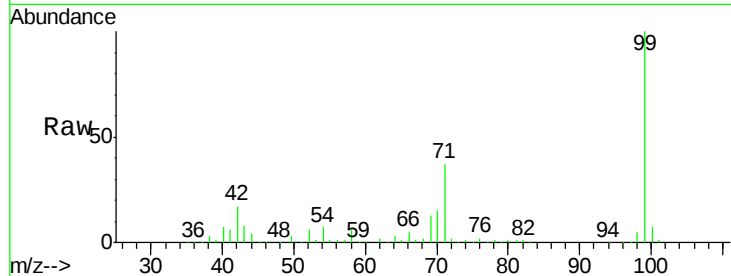
Tot Ion: 99 Resp: 523978

Ion Ratio Lower Upper

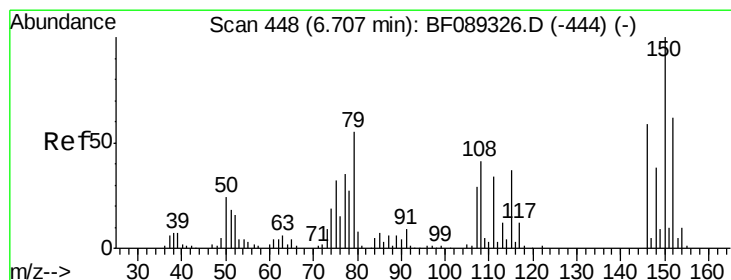
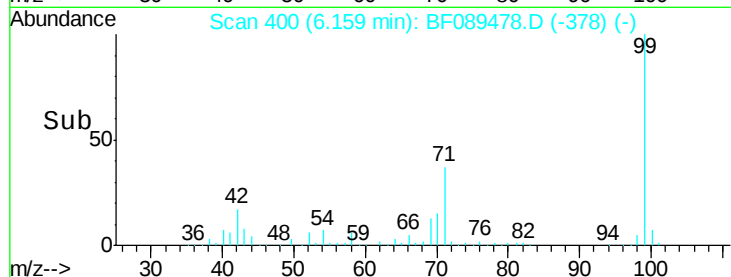
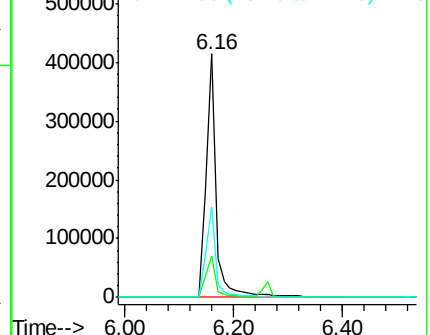
99 100

42 17.0 13.6 20.4

71 37.1 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.06 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

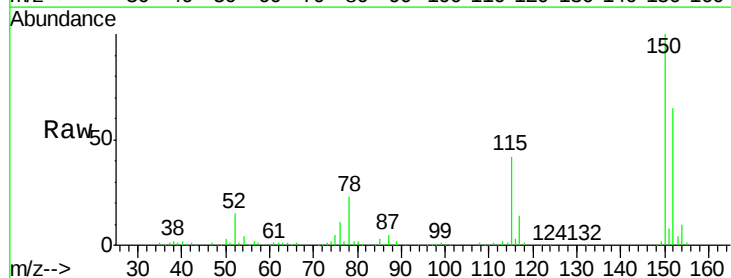
Tgt Ion: 79 Resp: 5195

Ion Ratio Lower Upper

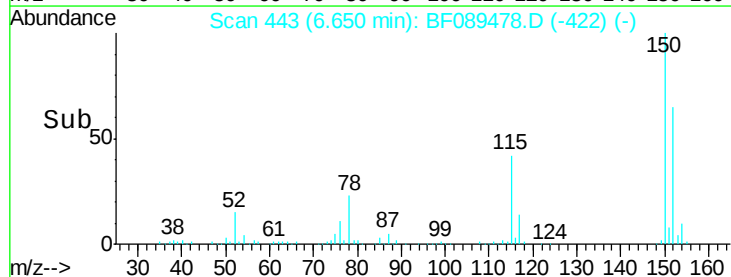
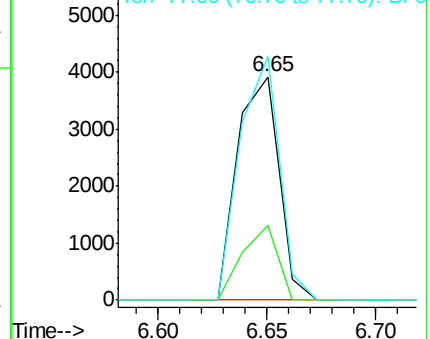
79 100

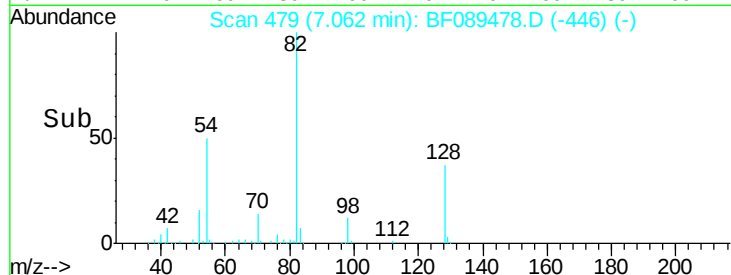
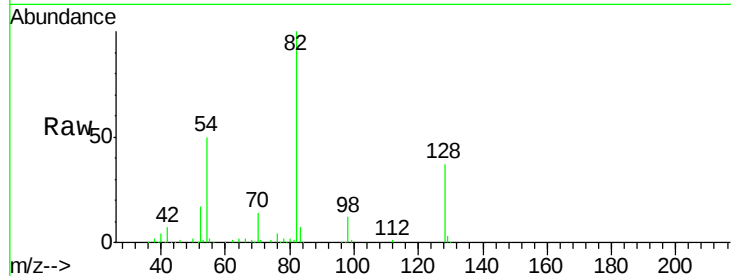
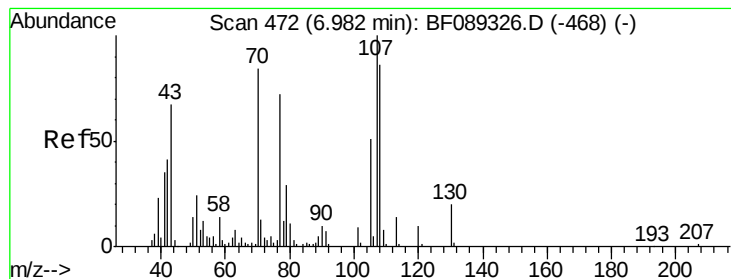
108 33.4 59.8 89.6#

77 108.9 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.26 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.08 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 39069

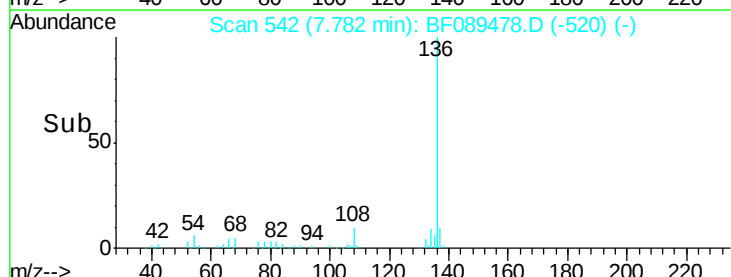
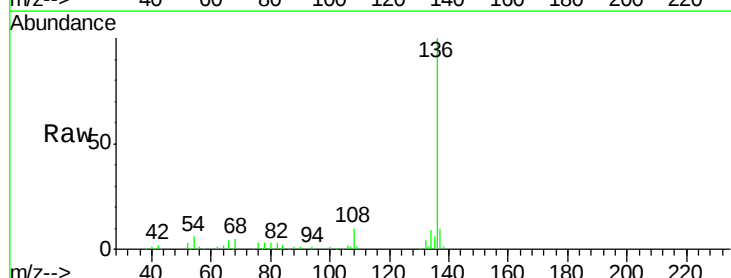
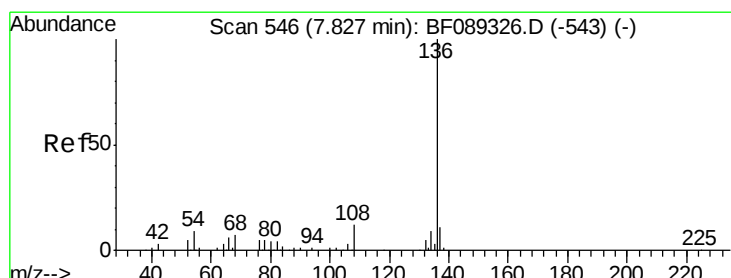
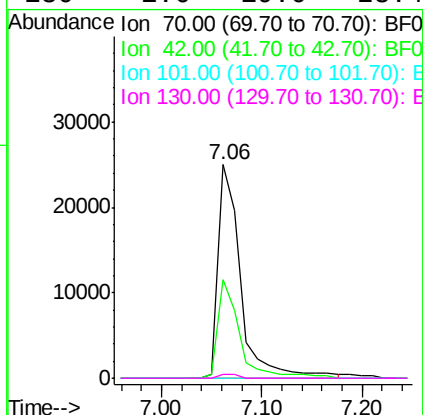
Ion Ratio Lower Upper

70 100

42 46.0 38.6 57.8

101 0.0 8.3 12.5#

130 1.6 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Tgt Ion:136 Resp: 156317

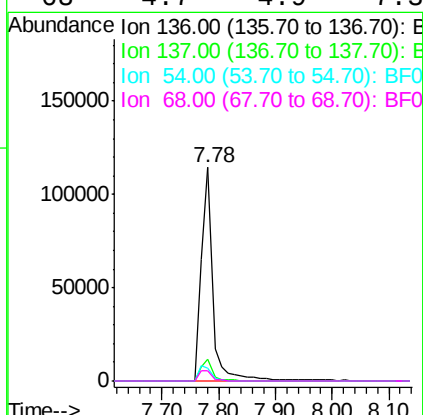
Ion Ratio Lower Upper

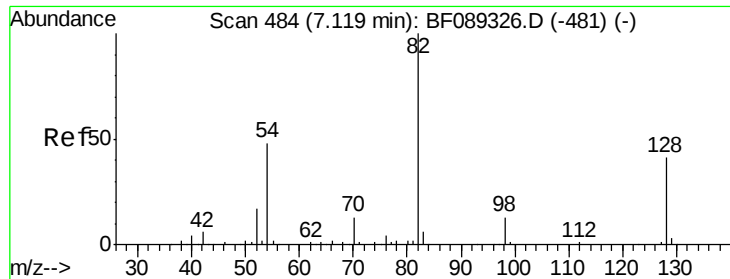
136 100

137 10.3 8.6 13.0

54 5.8 7.0 10.4#

68 4.7 4.9 7.3#

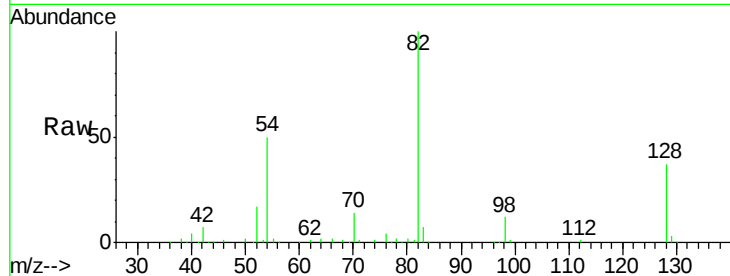




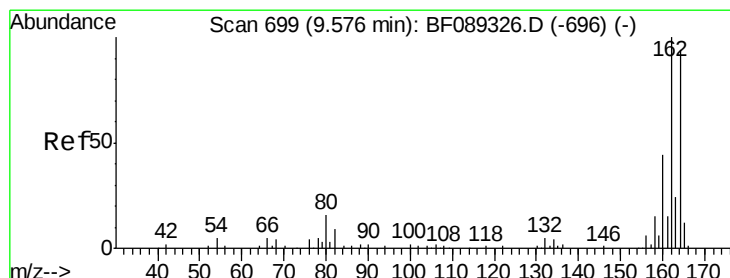
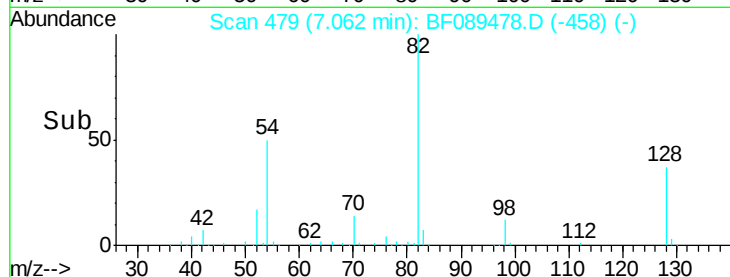
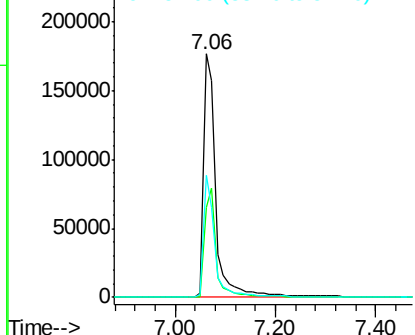
#23
 Nitrobenzene-d5
 Concen: 113.54 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 300676
 Ion Ratio Lower Upper
 82 100
 128 37.0 32.5 48.7
 54 50.2 38.8 58.2

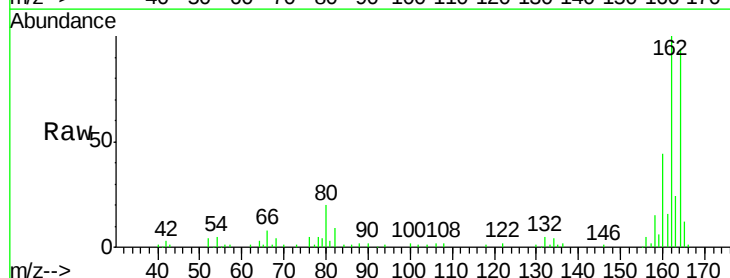


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

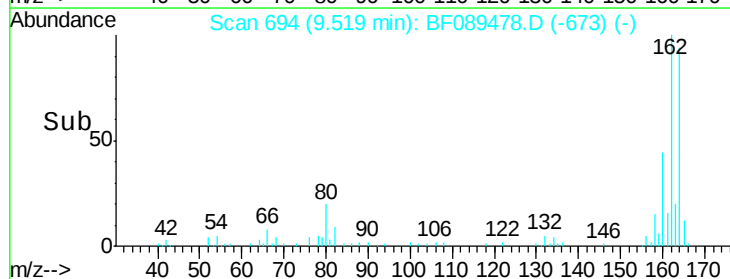
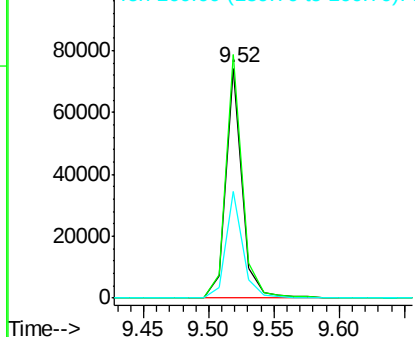


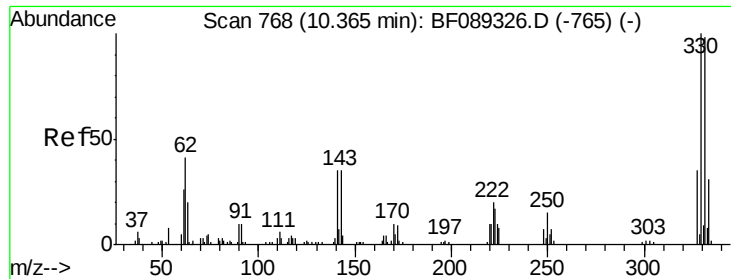
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion: 164 Resp: 64864
 Ion Ratio Lower Upper
 164 100
 162 105.9 83.7 125.5
 160 46.5 37.8 56.6



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

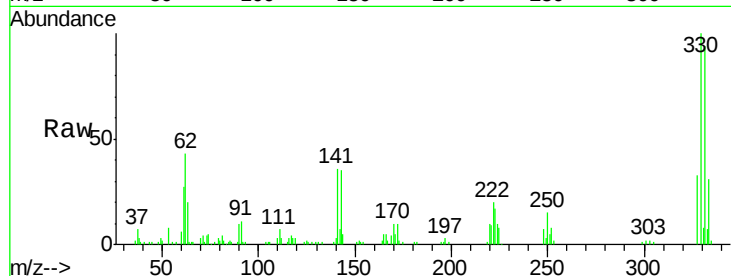




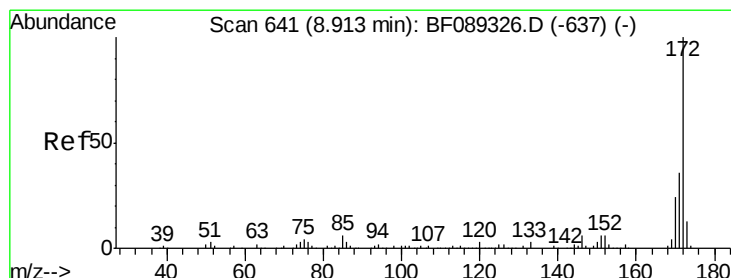
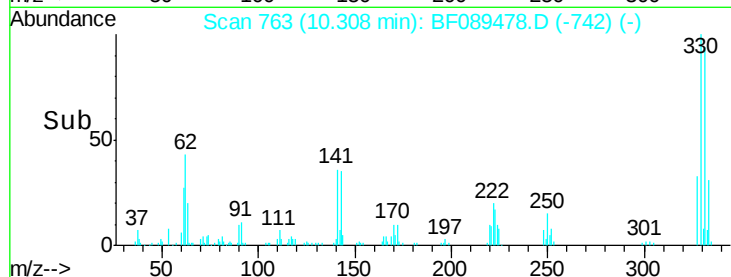
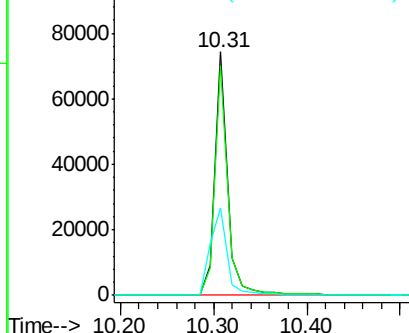
#41
 2,4,6-Tribromophenol
 Concen: 132.14 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.8	115.2
141	47.5	37.3	55.9

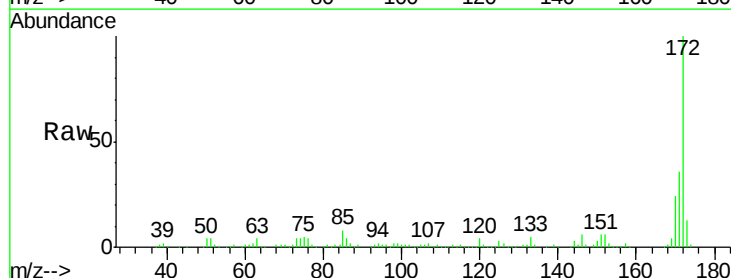


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

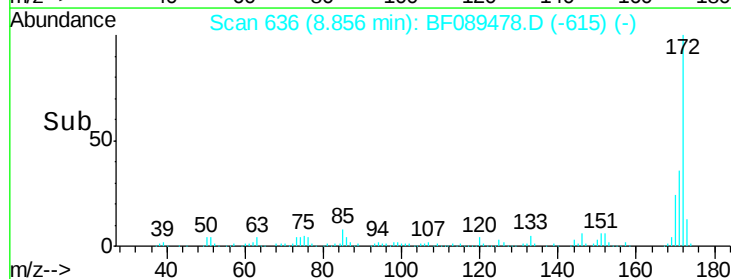
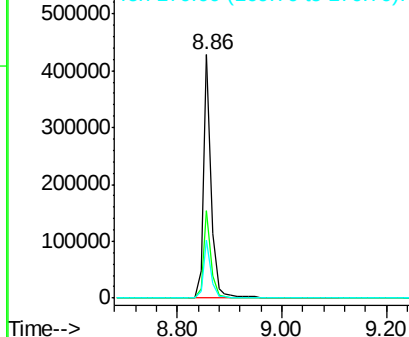


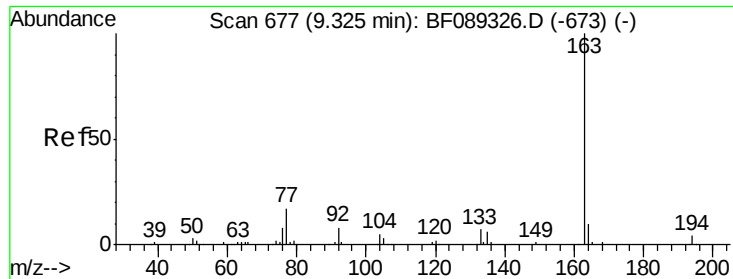
#44
 2-Fluorobiphenyl
 Concen: 100.15 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.9	19.2	28.8



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

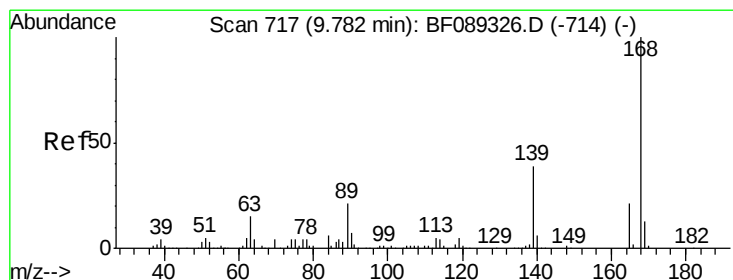
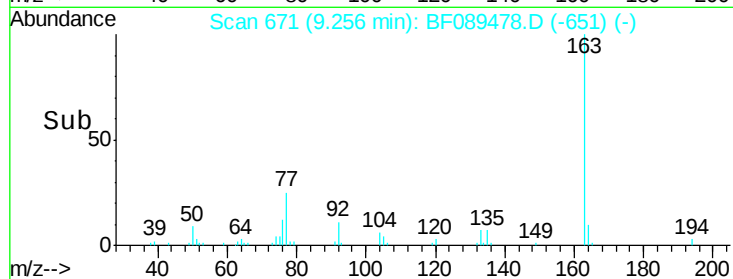
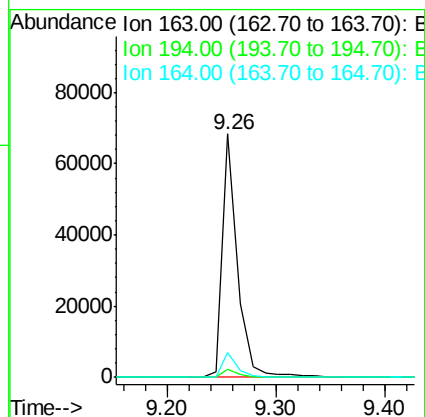
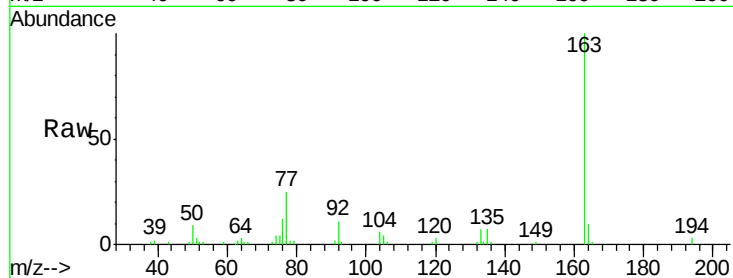




#49
Dimethylphthalate
Concen: 13.48 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.07 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

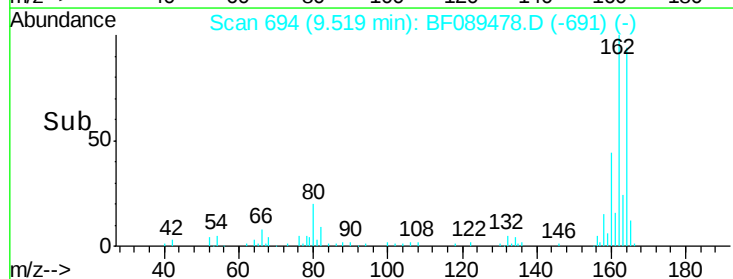
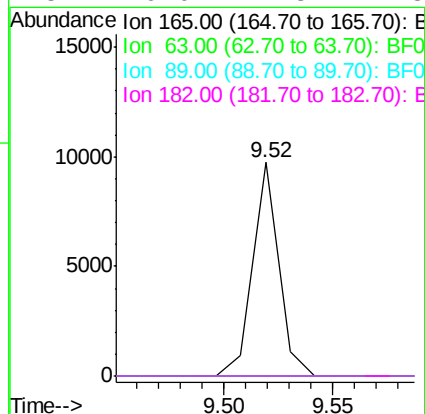
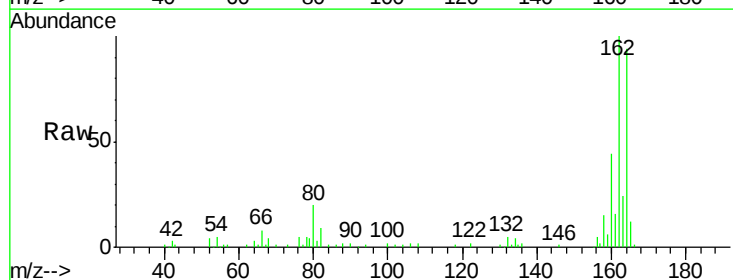
Instrument :
BNA_F
ClientSampleId :

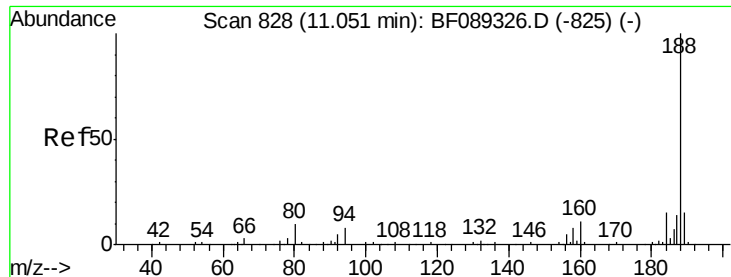
Tot Ion:163 Resp: 66567
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.3 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.26 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion:165 Resp: 8111
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

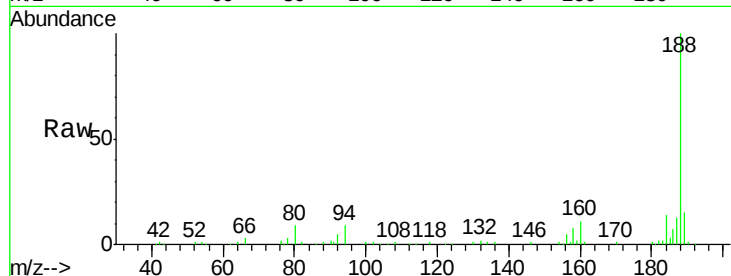




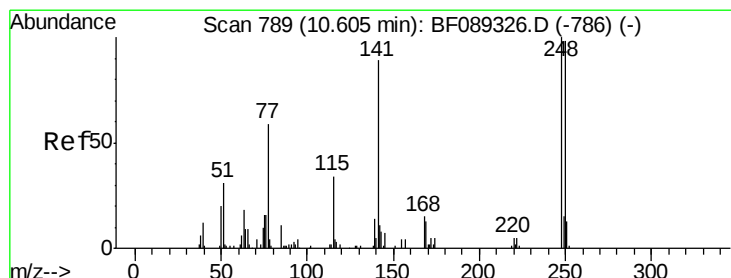
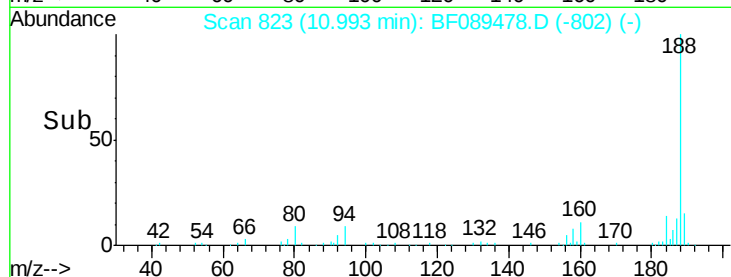
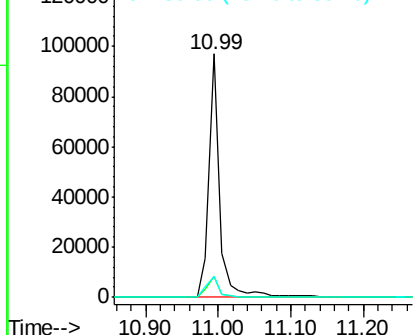
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.06 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 100891
Ion Ratio Lower Upper
188 100
94 8.7 6.5 9.7
80 8.7 7.2 10.8

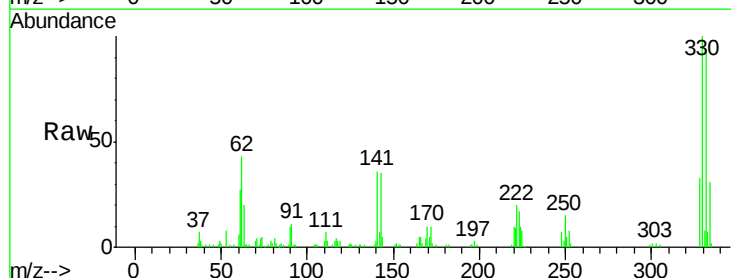


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

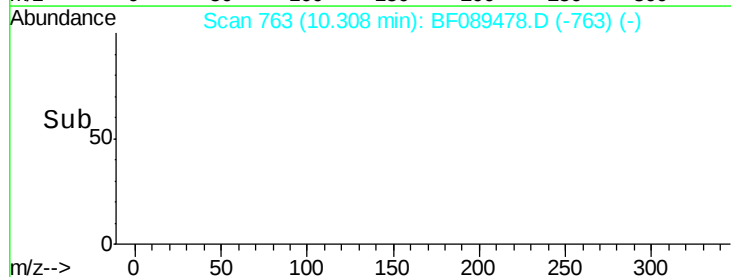
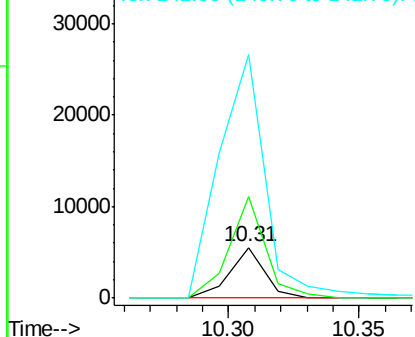


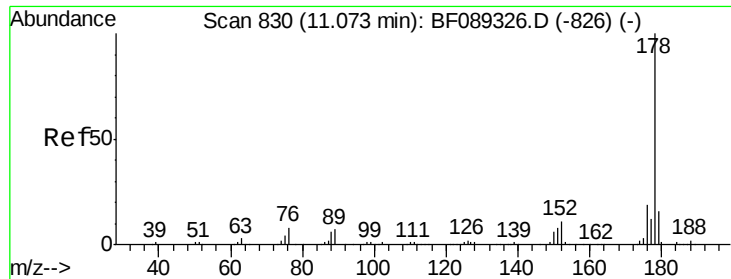
#66
4-Bromophenyl-phenylether
Concen: 5.44 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.30 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion:248 Resp: 5237
Ion Ratio Lower Upper
248 100
250 199.4 78.2 117.2#
141 481.1 62.0 93.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.35 ng

RT: 11.02 min Scan# 825

Delta R.T. -0.06 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

ClientSampleId :

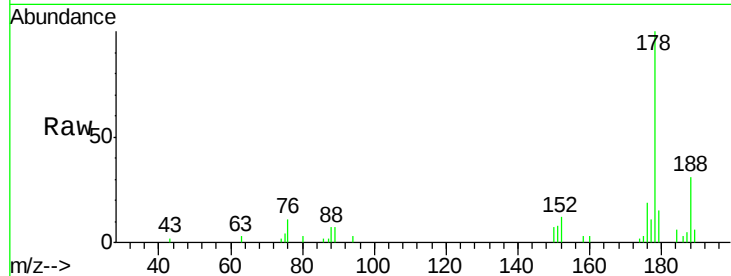
Tot Ion:178 Resp: 17409

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

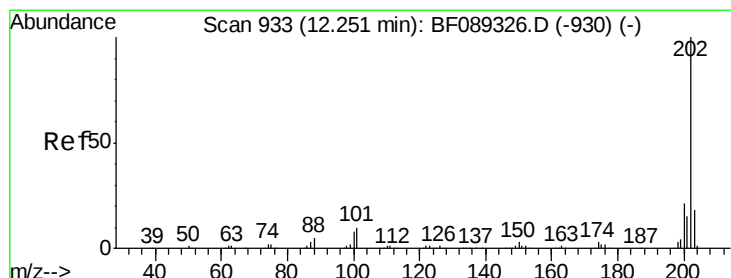
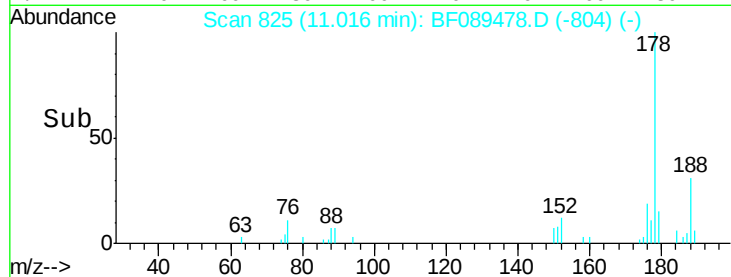
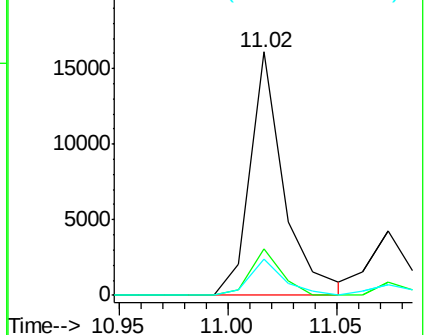
179 15.2 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.10 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

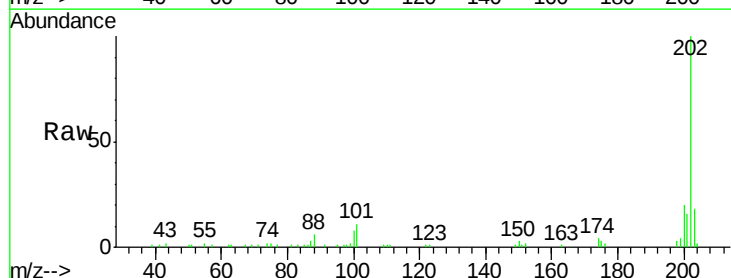
Tgt Ion:202 Resp: 44318

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.9

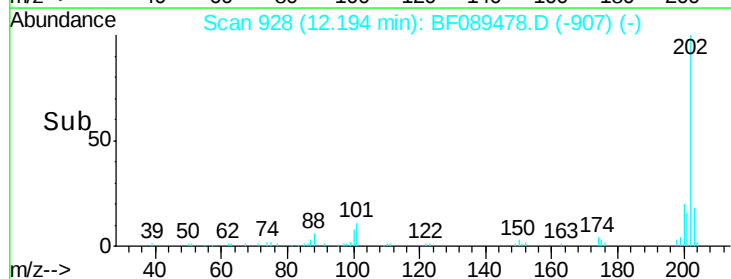
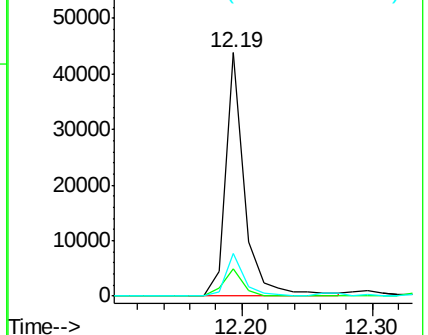
203 17.7 0.0 37.3

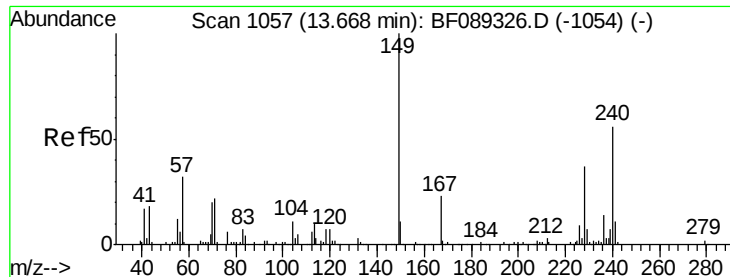


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

Instrument :

BNA_F

ClientSampleId :

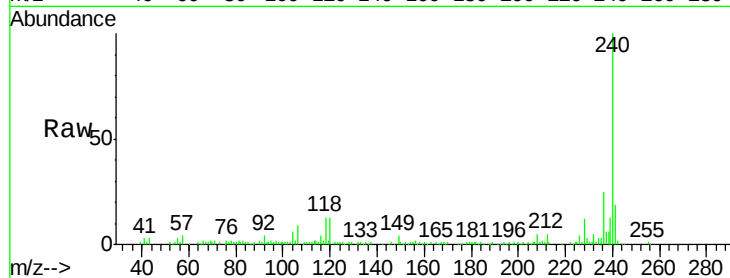
Tot Ion:240 Resp: 94175

Ion Ratio Lower Upper

240 100

120 13.0 9.1 13.7

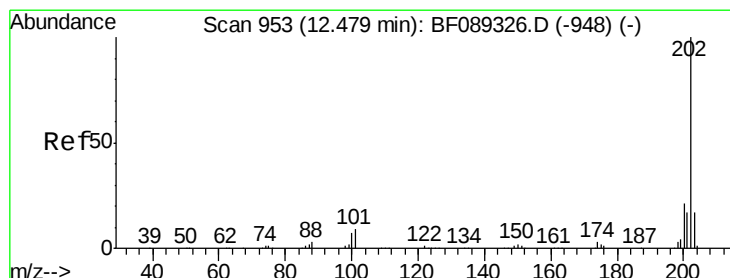
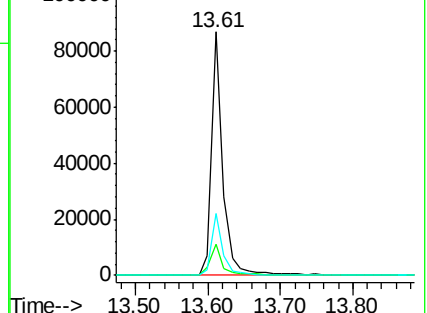
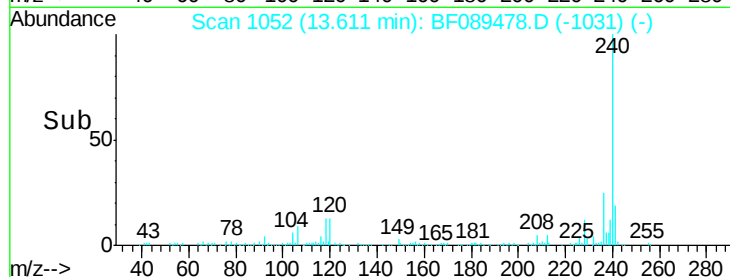
236 25.3 20.6 30.8



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



#77

Pyrene

Concen: 6.21 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.27 min

Lab File: BF089478.D

Acq: 31 Jul 2016 18:48

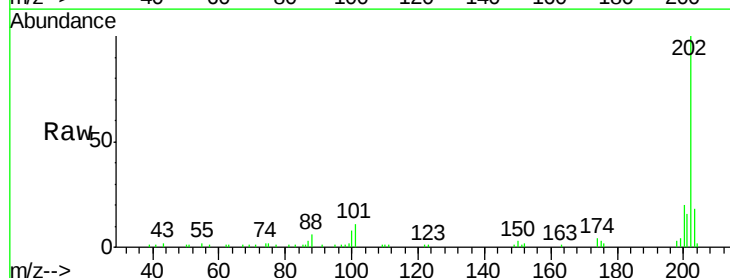
Tgt Ion:202 Resp: 44318

Ion Ratio Lower Upper

202 100

200 19.9 16.9 25.3

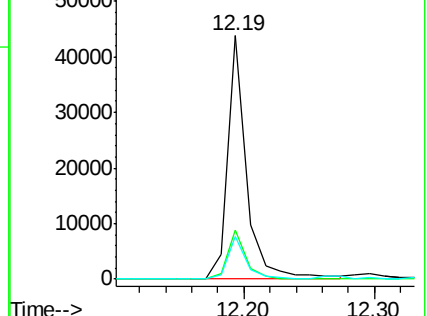
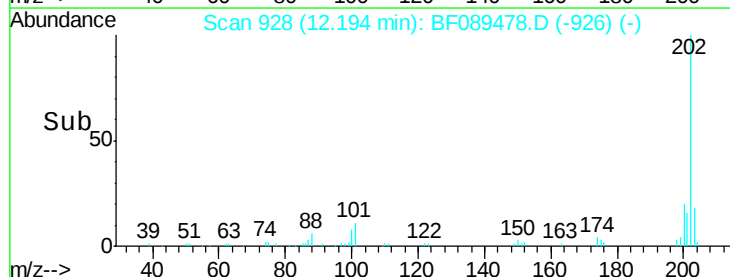
203 17.7 14.0 21.0

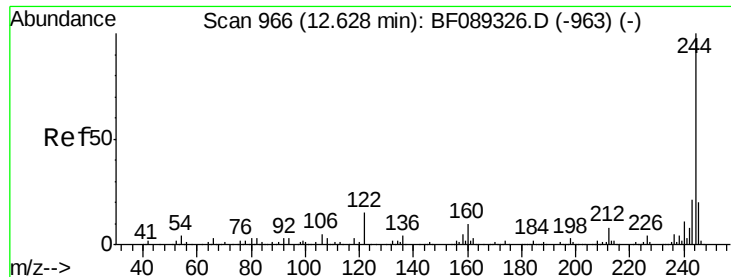


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

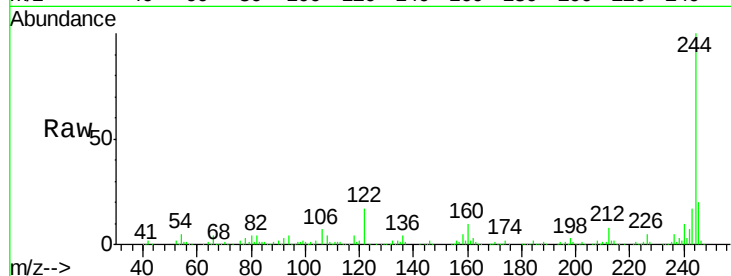




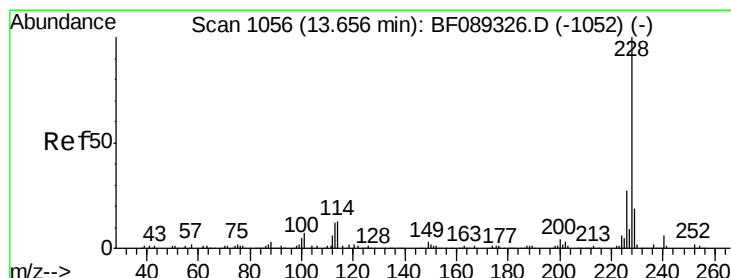
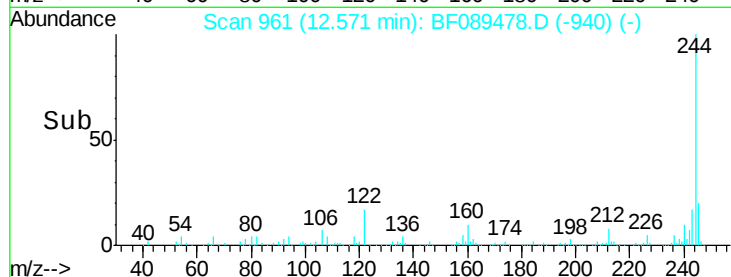
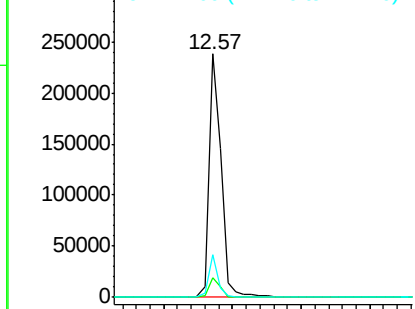
#78
 Terphenyl-d14
 Concen: 73.15 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 294331
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 17.4 11.4 17.0#

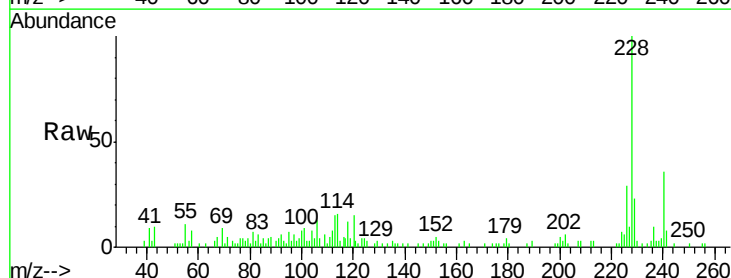


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

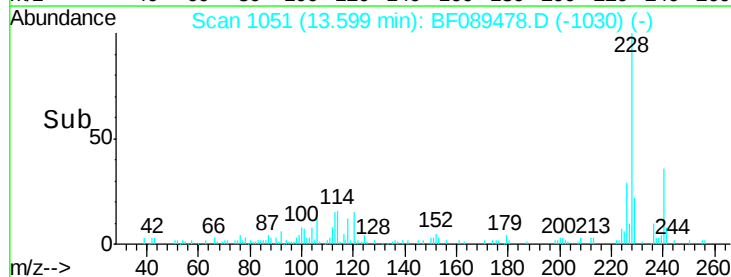
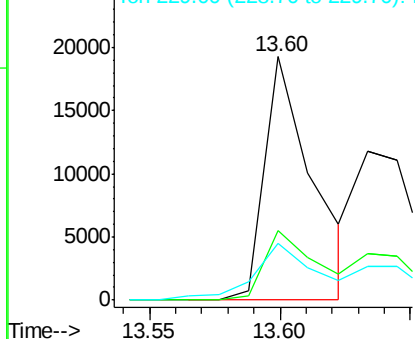


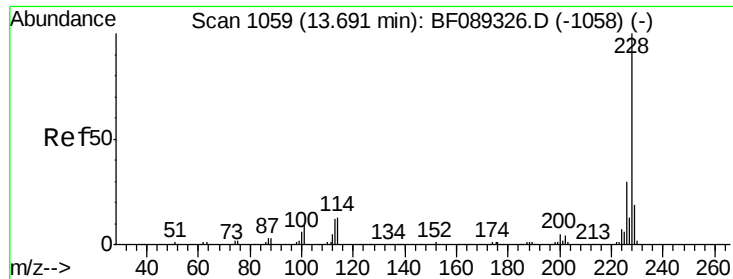
#80
 Benzo(a)anthracene
 Concen: 4.66 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion:228 Resp: 24747
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.2
 229 23.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

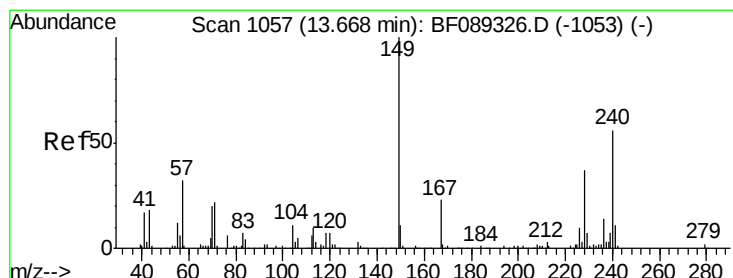
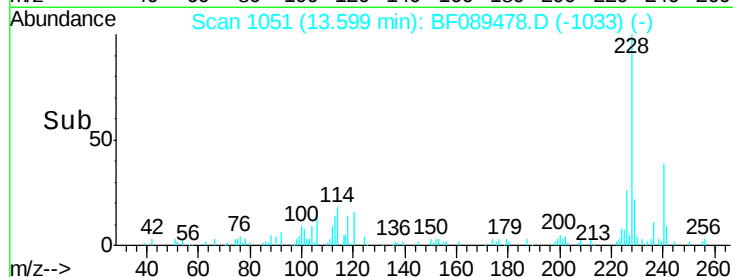
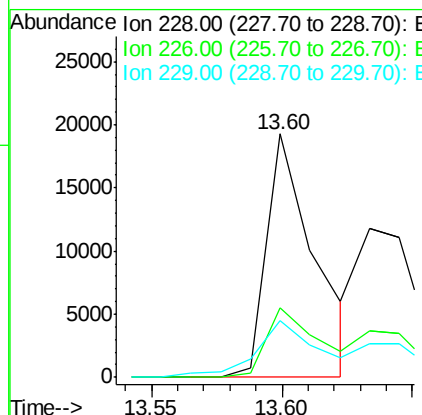
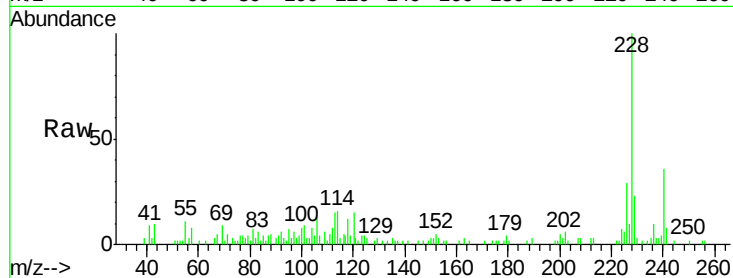




#82
 Chrysene
 Concen: 4.37 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.09 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

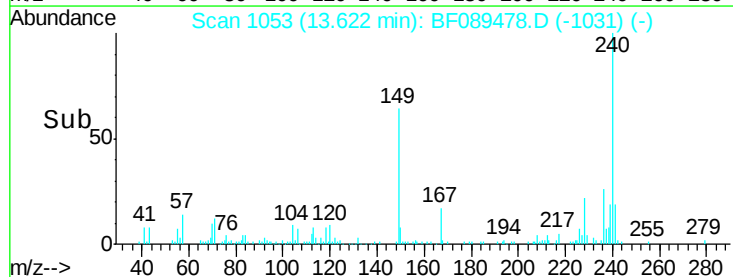
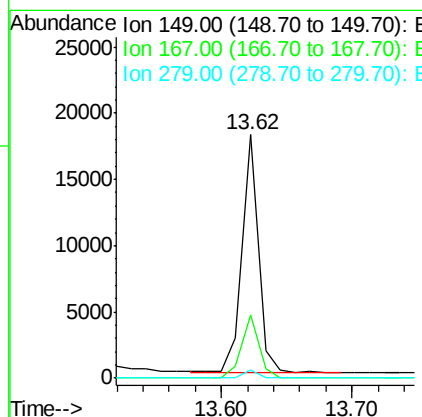
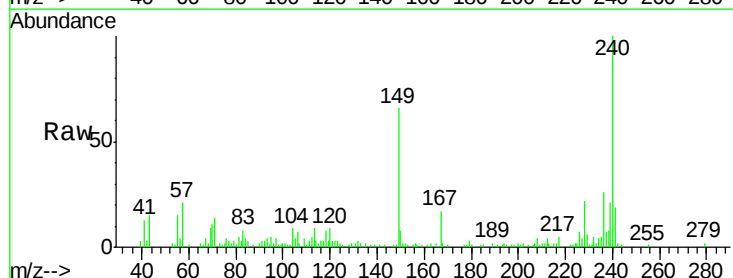
Instrument :
 BNA_F
 ClientSampleId :

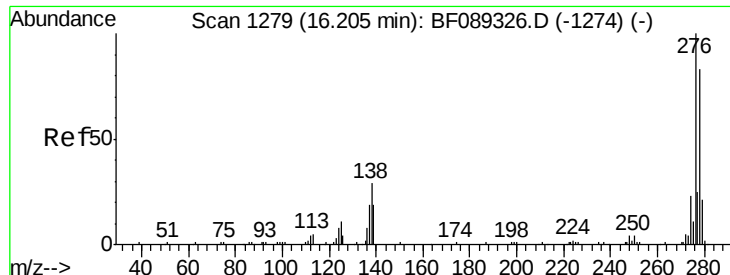
Tot Ion:228 Resp: 24747
 Ion Ratio Lower Upper
 228 100
 226 28.7 24.2 36.2
 229 23.2 15.9 23.9



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.34 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. -0.05 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion:149 Resp: 15677
 Ion Ratio Lower Upper
 149 100
 167 26.0 18.8 28.2
 279 3.3 1.4 2.0#

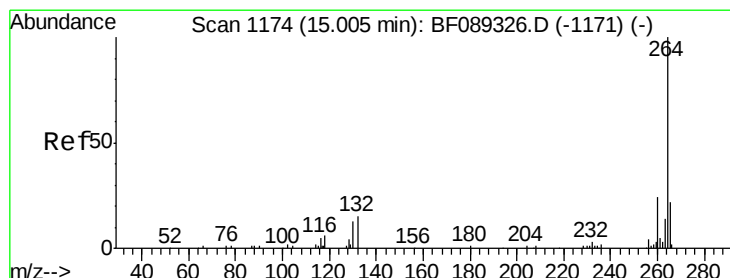
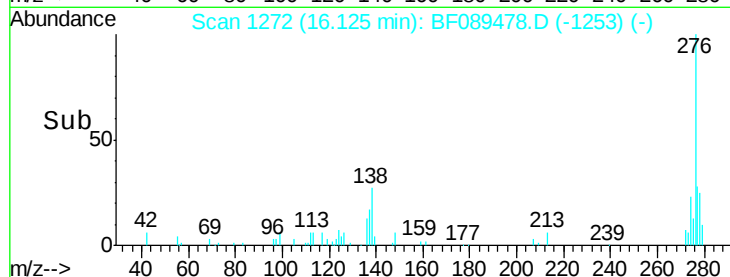
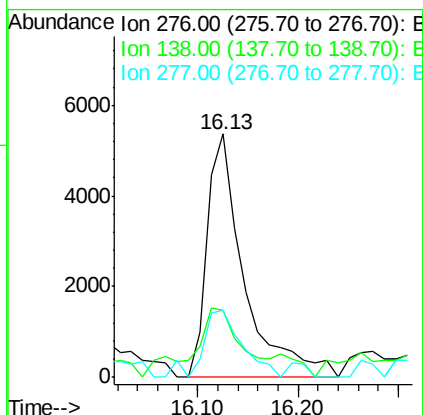
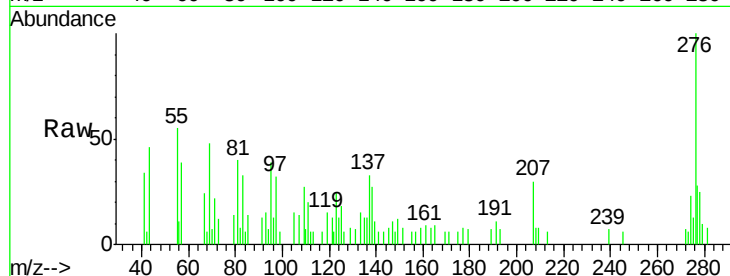




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.42 ng
 RT: 16.13 min Scan# 1272
 Delta R.T. -0.08 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

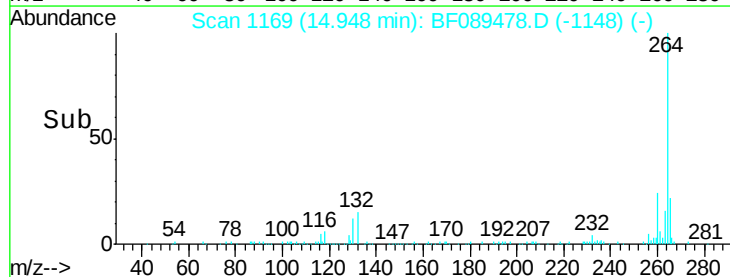
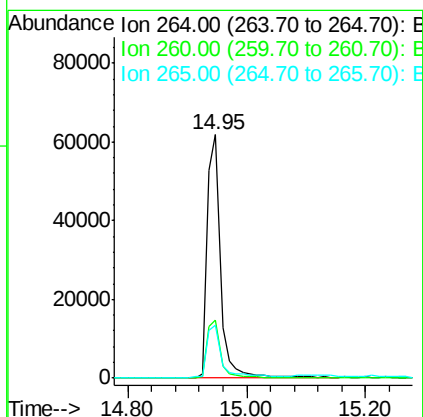
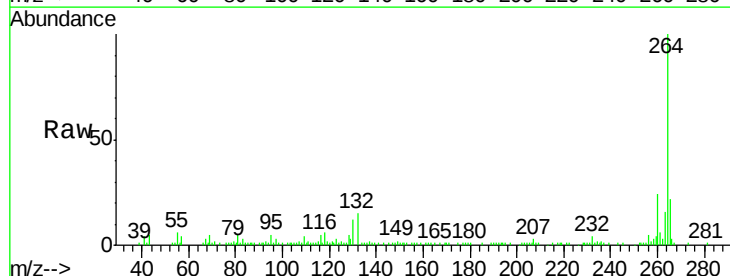
Instrument :
 BNA_F
 ClientSampleId :

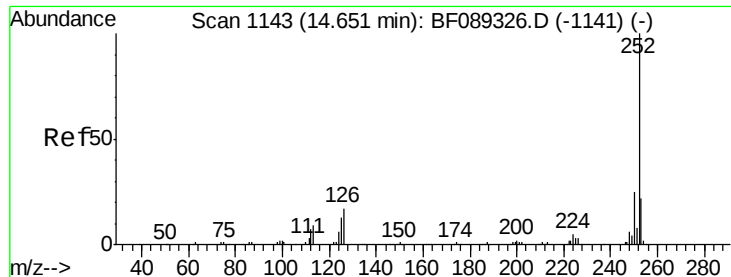
Tot Ion:276 Resp: 13741
 Ion Ratio Lower Upper
 276 100
 138 37.4 23.0 34.4#
 277 29.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.95 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BF089478.D
 Acq: 31 Jul 2016 18:48

Tgt Ion:264 Resp: 98015
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.7 17.5 26.3

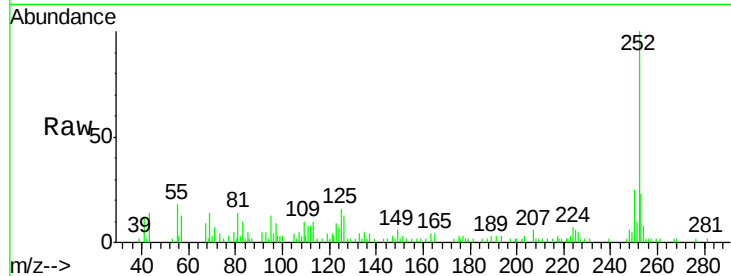




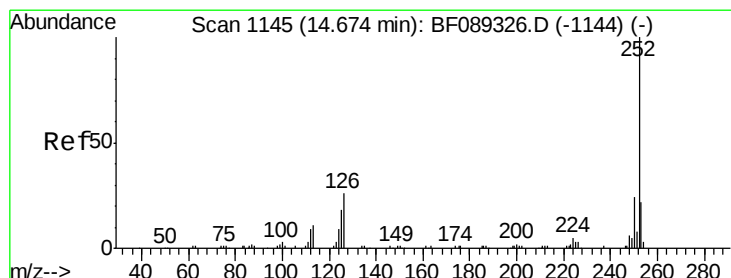
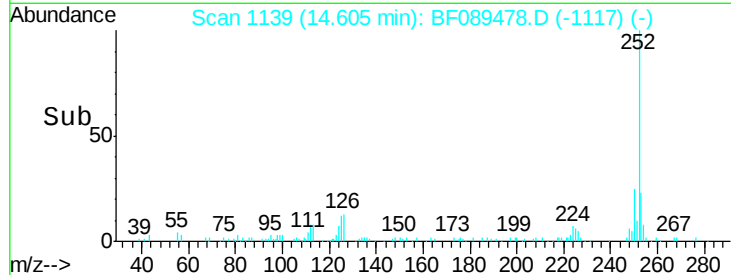
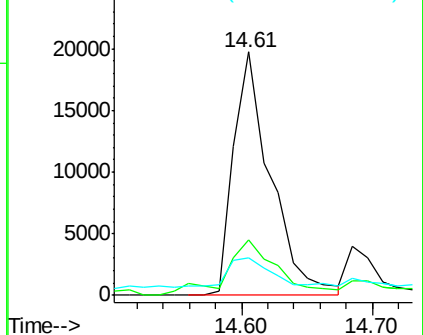
#87
Benzo(b)fluoranthene
Concen: 6.41 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 39013
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 15.5 9.7 14.5#

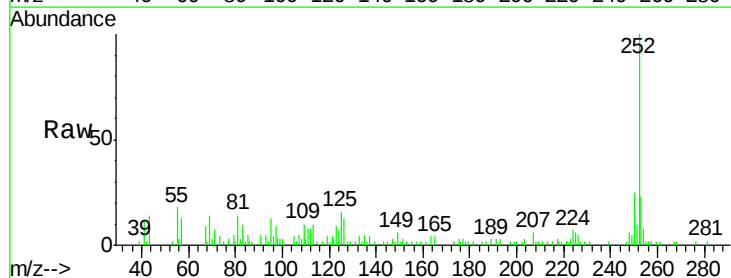


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

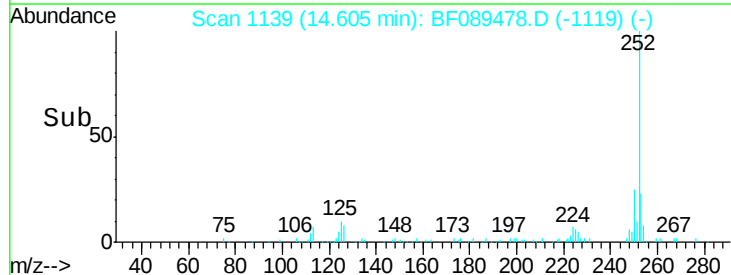
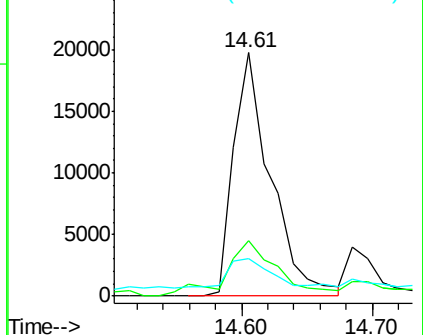


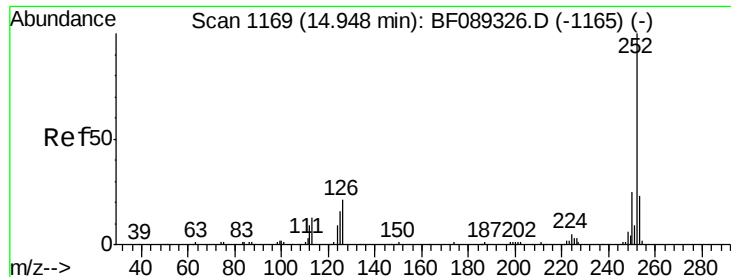
#88
Benzo(k)fluoranthene
Concen: 6.97 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion:252 Resp: 39013
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 15.5 10.7 16.1



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

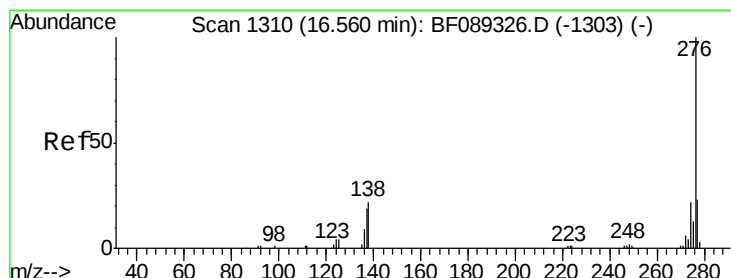
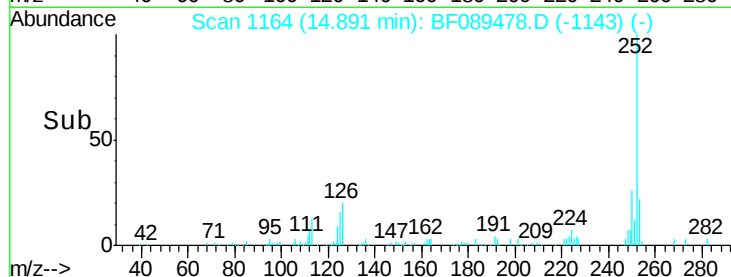
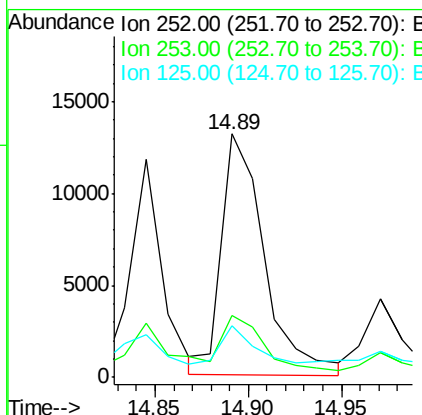
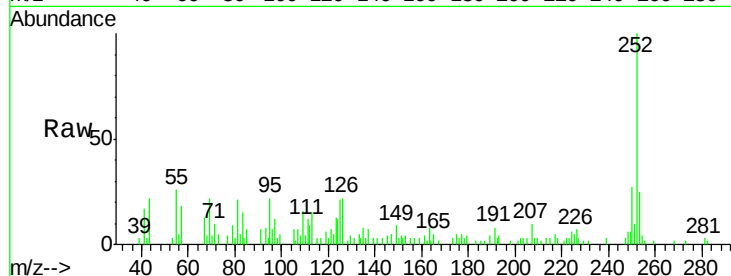




#89
Benzo(a)pyrene
Concen: 3.86 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 21050
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.2
125 21.1 12.4 18.6#



#91
Benzo(g,h,i)perylene
Concen: 2.93 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.08 min
Lab File: BF089478.D
Acq: 31 Jul 2016 18:48

Tgt Ion:276 Resp: 12405
Ion Ratio Lower Upper
276 100
277 27.2 18.6 28.0
138 28.3 21.4 32.0

