

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089069.D
 Acq On : 16 Jul 2016 22:13
 Operator : UM/SJ
 Sample : H4018-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 01:18:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

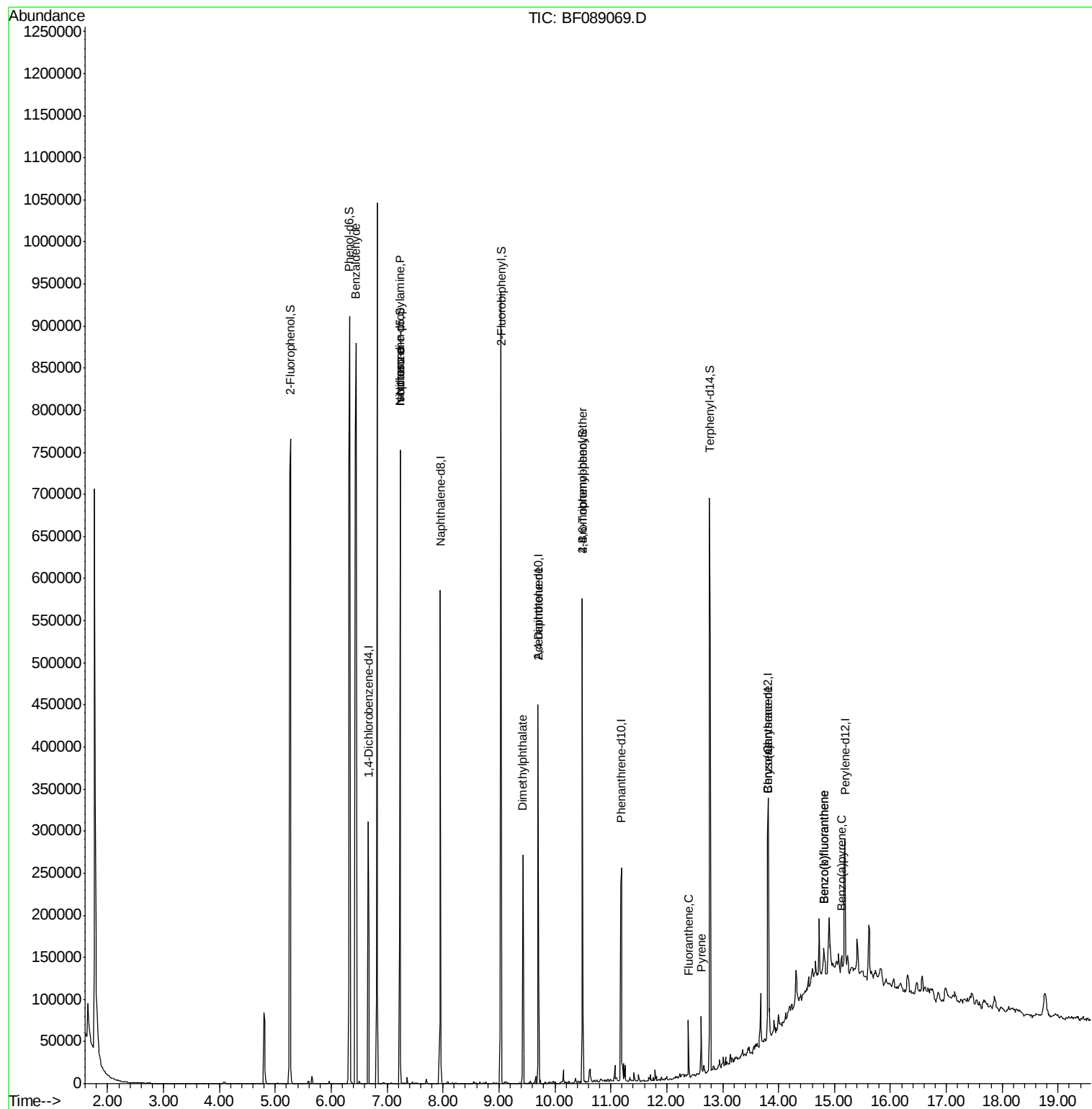
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	53021	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	229056	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	84582	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	134580	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	105455	20.00	ng	-0.03
86) Perylene-d12	15.19	264	71006	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	308130	87.10	ng	-0.02
7) Phenol-d6	6.33	99	435516	95.27	ng	-0.02
23) Nitrobenzene-d5	7.23	82	229846	52.59	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	48800	62.13	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	435376	81.31	ng	-0.03
78) Terphenyl-d14	12.77	244	272235	57.50	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.44	77	7747	2.50	ng	85
19) n-Nitroso-di-n-propylamine	7.23	70	31647	10.31	ng	# 74
25) Isophorone	7.23	82	188524	23.28	ng	# 65
49) Dimethylphthalate	9.43	163	95720	15.88	ng	99
56) 2,4-Dinitrotoluene	9.70	165	10674	6.11	ng	# 36
66) 4-Bromophenyl-phenylether	10.49	248	3847	2.84	ng	# 1
74) Fluoranthene	12.39	202	24200	3.24	ng	98
77) Pyrene	12.62	202	27209	3.04	ng	99
80) Benzo(a)anthracene	13.81	228	13672	2.01	ng	92
82) Chrysene	13.81	228	13672	2.04	ng	97
87) Benzo(b)fluoranthene	14.81	252	18938	4.25	ng	# 82
88) Benzo(k)fluoranthene	14.81	252	18938	4.88	ng	# 86
89) Benzo(a)pyrene	15.13	252	9365	2.48	ng	# 87

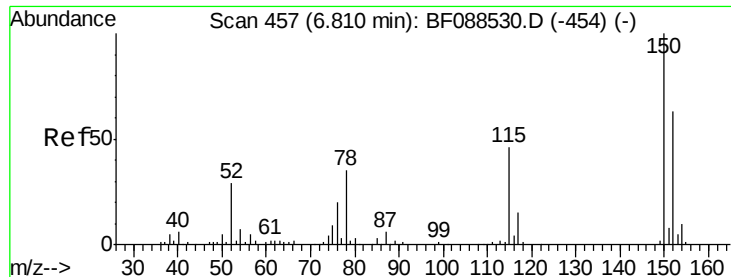
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

Instrument :

BNA_F

ClientSampleId :

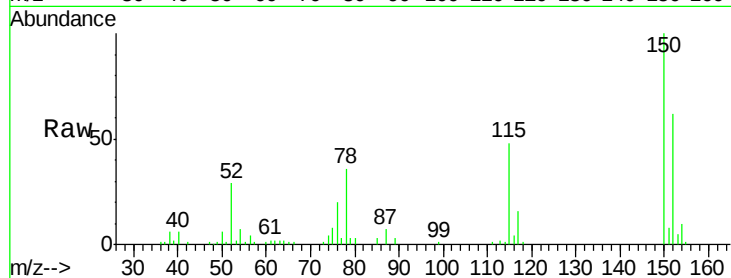
Tot Ion:152 Resp: 53021

Ion Ratio Lower Upper

152 100

150 160.1 123.8 185.6

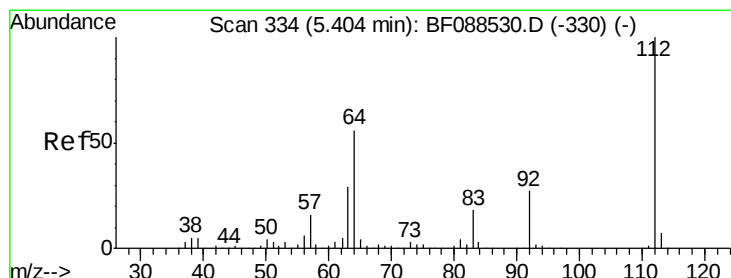
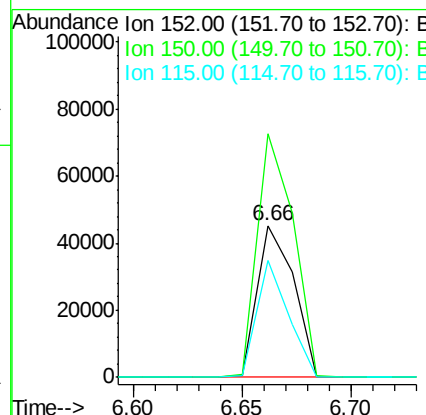
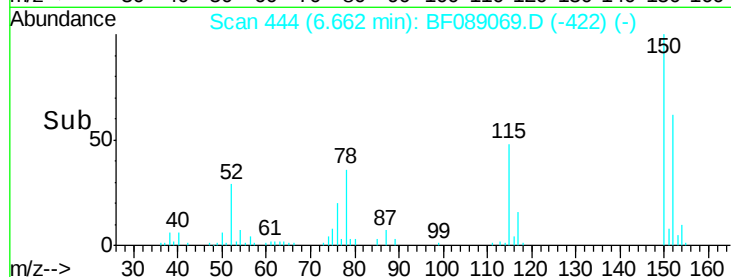
115 76.5 39.6 59.4#



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: 87.10 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

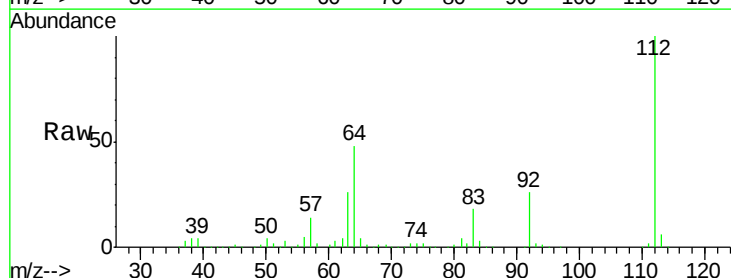
Tgt Ion:112 Resp: 308130

Ion Ratio Lower Upper

112 100

64 48.3 42.2 63.2

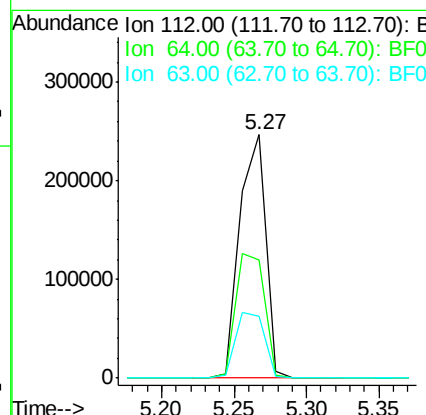
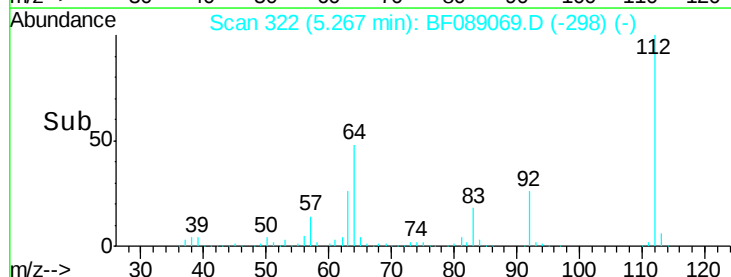
63 25.6 21.8 32.8

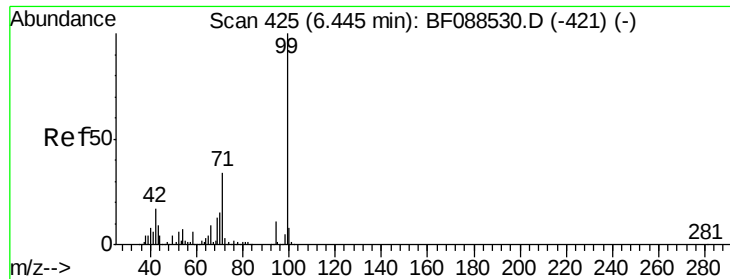


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.27 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

Instrument :

BNA_F

ClientSampleId :

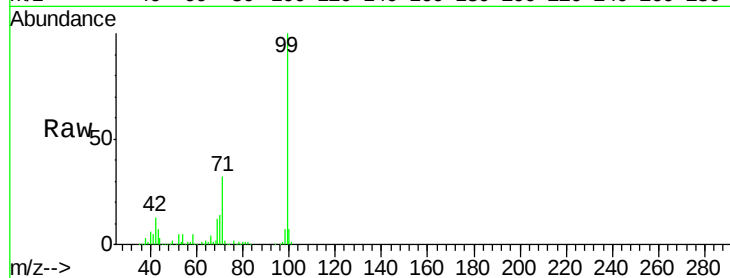
Tot Ion: 99 Resp: 435516

Ion Ratio Lower Upper

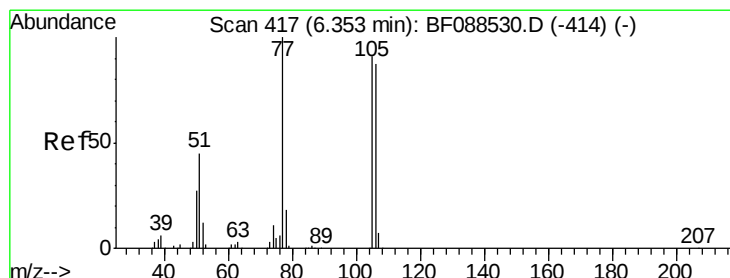
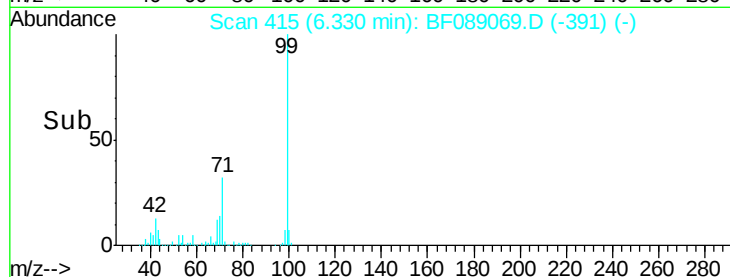
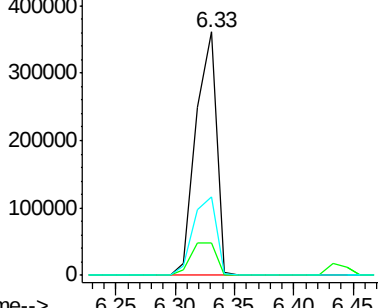
99 100

42 13.2 12.2 18.2

71 32.4 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.50 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.19 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

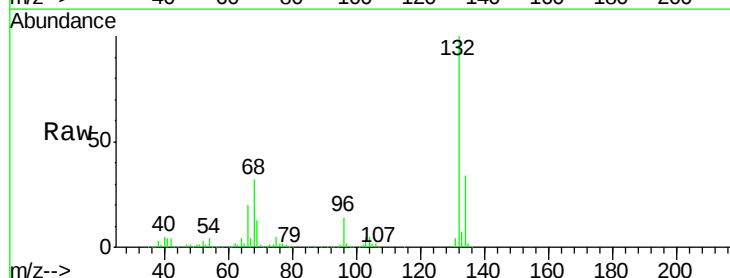
Tgt Ion: 77 Resp: 7747

Ion Ratio Lower Upper

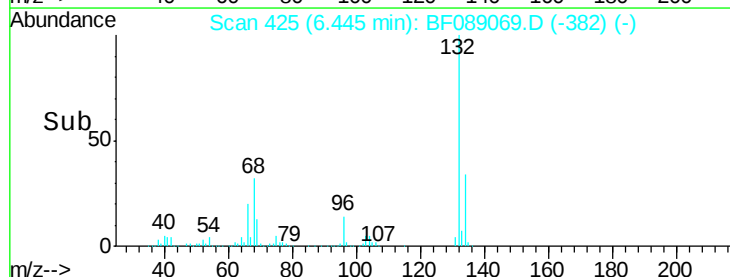
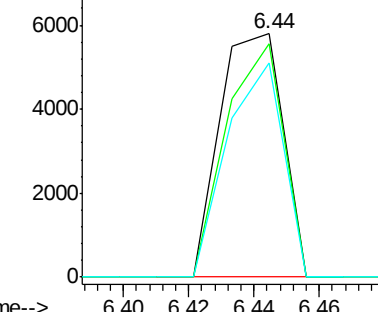
77 100

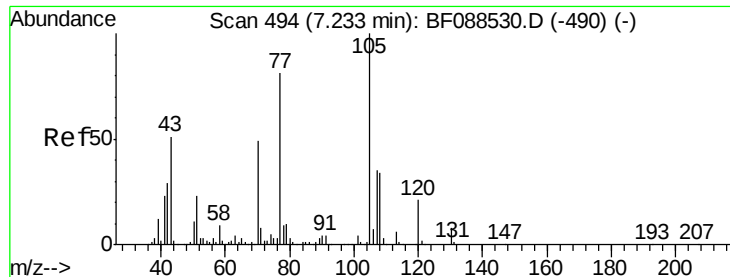
105 95.8 90.6 130.6

106 88.0 85.3 125.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

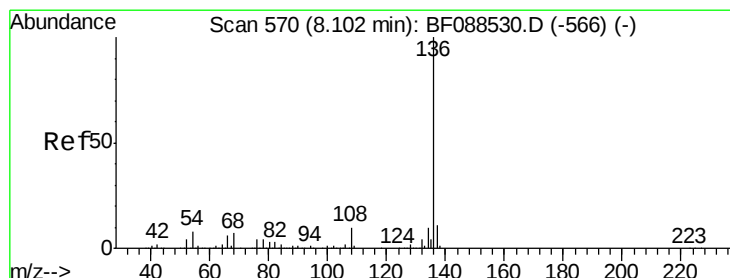
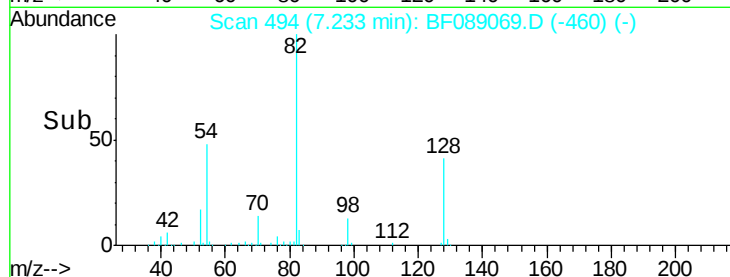
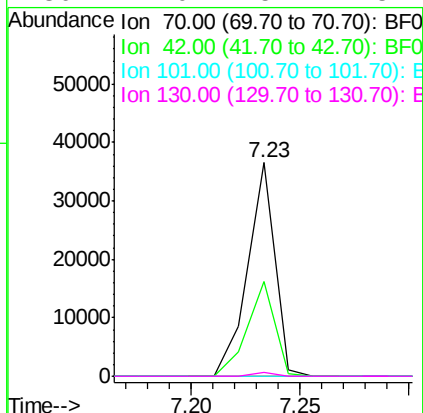
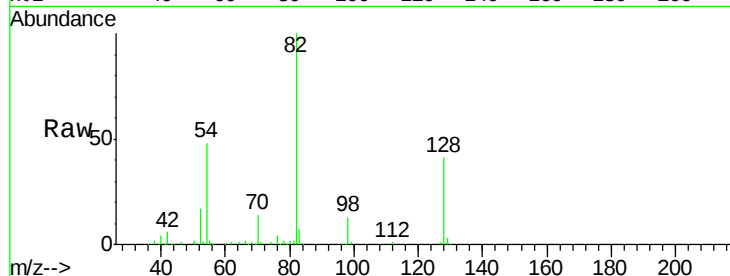




#19
n-Nitroso-di-n-propylamine
Concen: 10.31 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.09 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

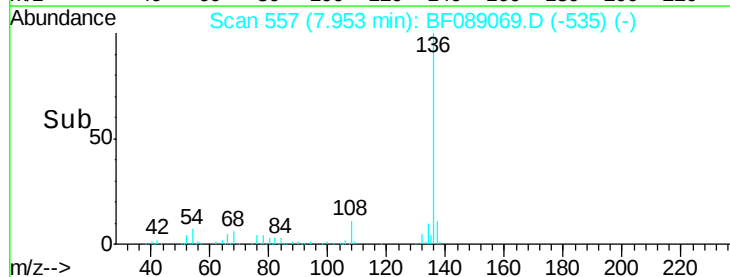
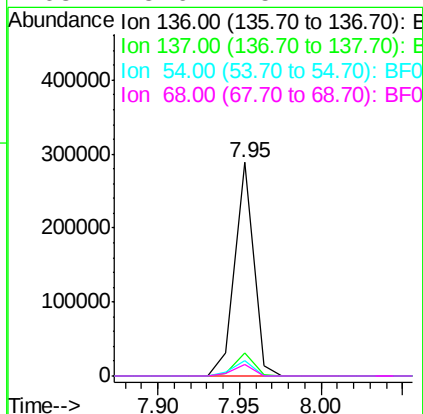
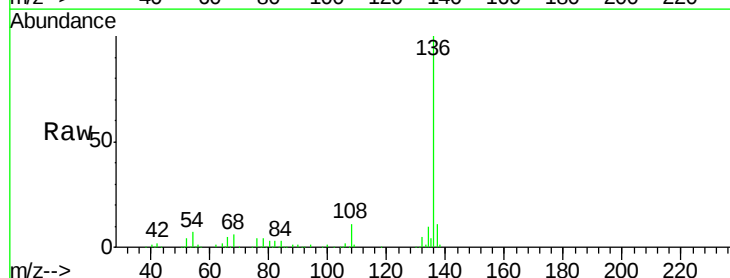
Instrument :
BNA_F
ClientSampleId :

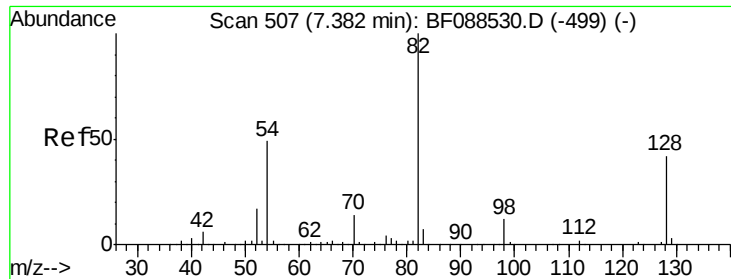
Tot Ion: 70 Resp: 31647
Ion Ratio Lower Upper
70 100
42 44.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.05 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Tgt Ion:136 Resp: 229056
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.9 6.6 10.0
68 5.6 5.1 7.7

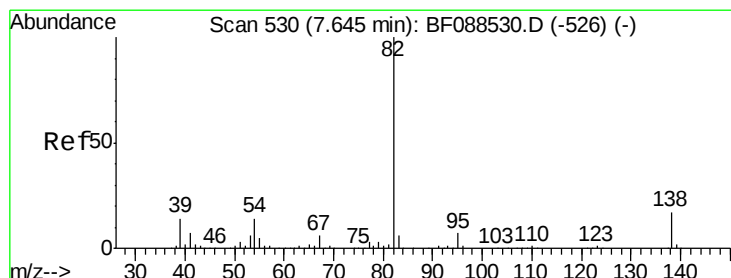
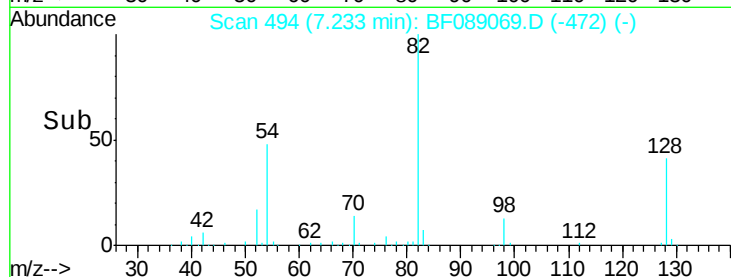
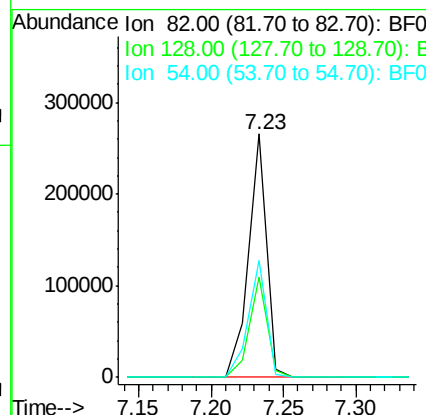
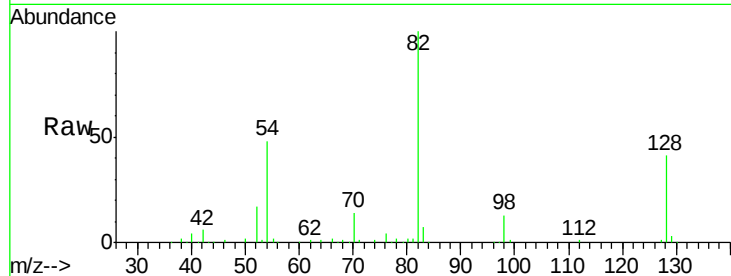




#23
Nitrobenzene-d5
Concen: 52.59 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

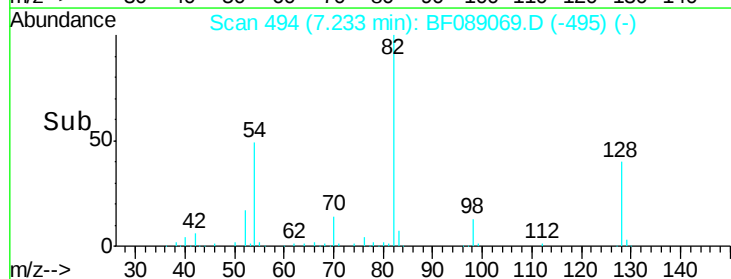
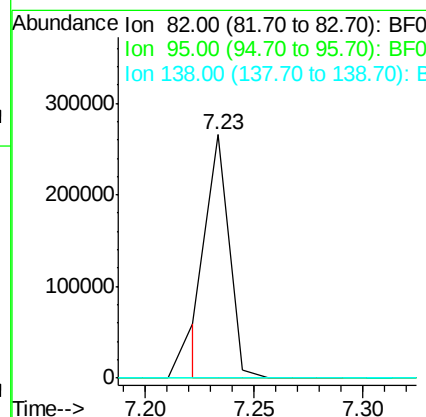
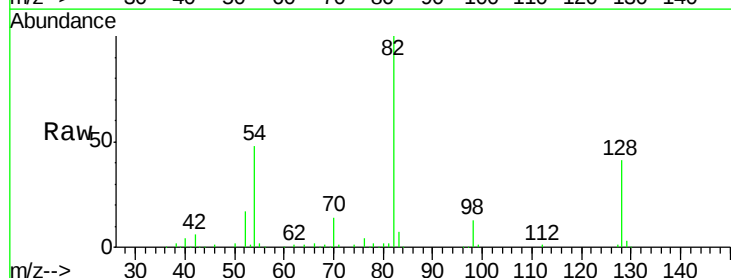
Instrument :
BNA_F
ClientSampleId :

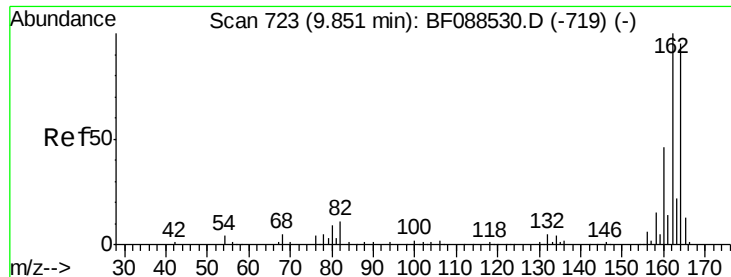
Tot Ion	82	Resp	229846
Ion Ratio	Lower	Upper	
82	100		
128	40.9	35.9	53.9
54	48.2	40.9	61.3



#25
Isophorone
Concen: 23.28 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.31 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Tgt Ion	82	Resp	188524
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#

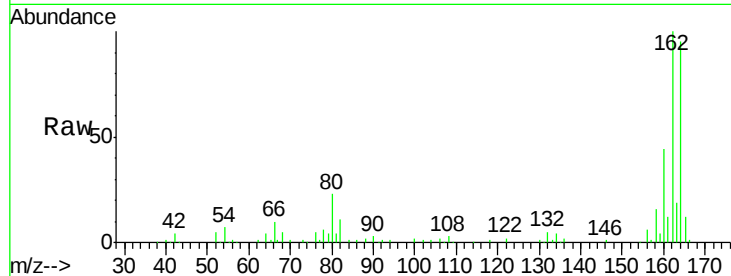




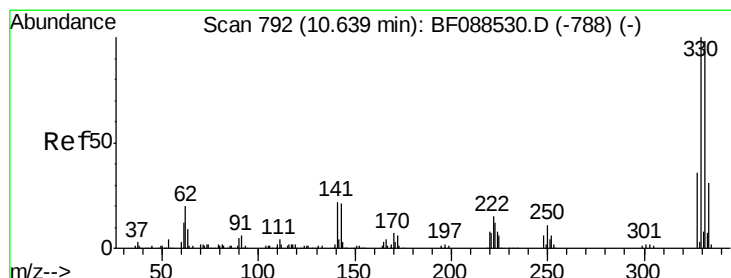
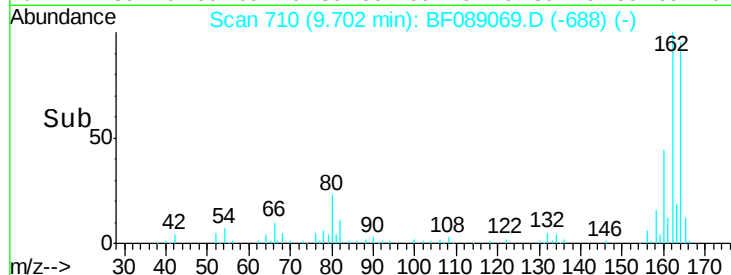
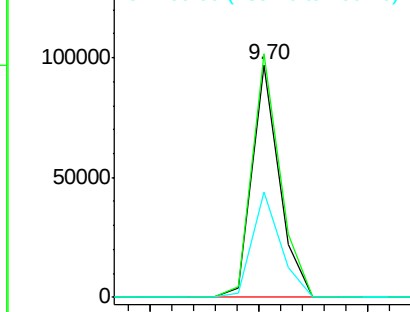
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089069.D
 Acq: 16 Jul 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 84582
 Ion Ratio Lower Upper
 164 100
 162 104.7 85.4 128.2
 160 45.6 39.5 59.3

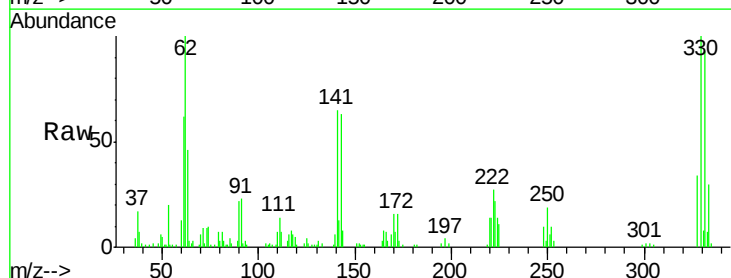


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

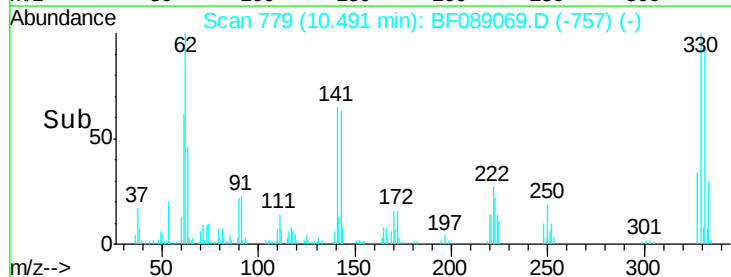
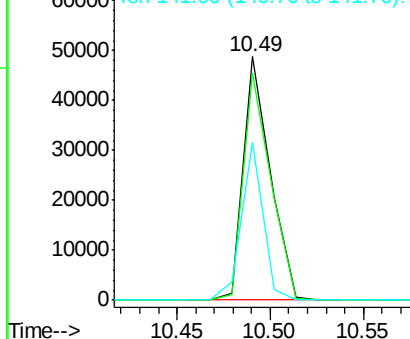


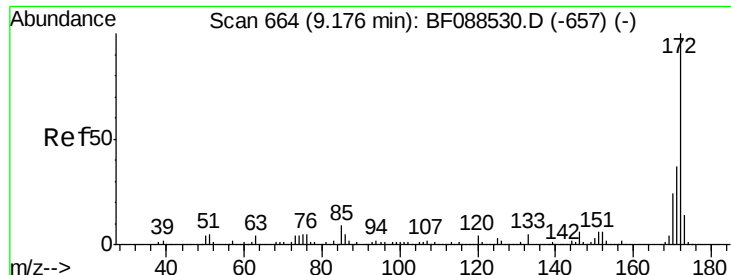
#41
 2,4,6-Tribromophenol
 Concen: 62.13 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089069.D
 Acq: 16 Jul 2016 22:13

Tgt Ion:330 Resp: 48800
 Ion Ratio Lower Upper
 330 100
 332 94.9 0.0 0.0#
 141 52.5 0.0 0.0#



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

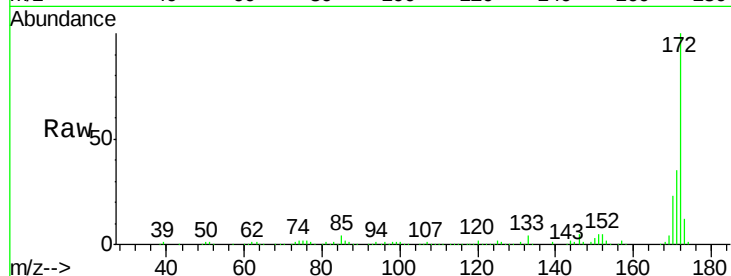




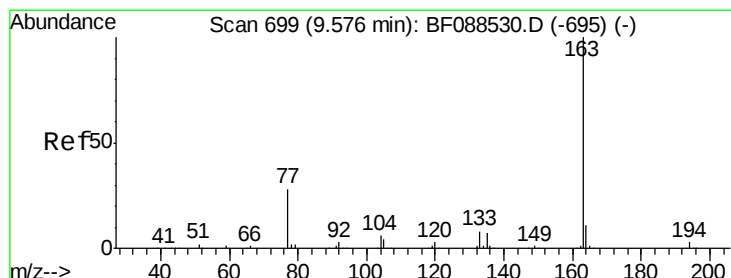
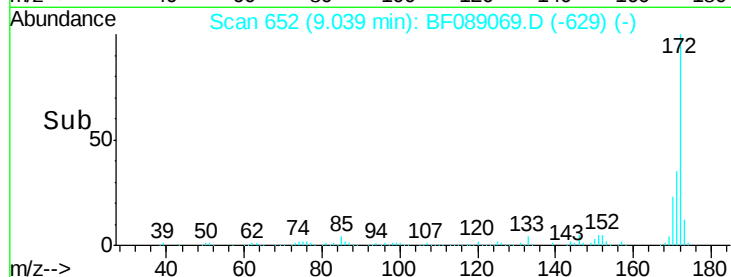
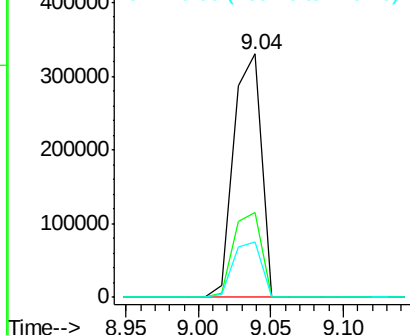
#44
2-Fluorobiphenyl
Concen: 81.31 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 435376
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.8 19.2 28.8

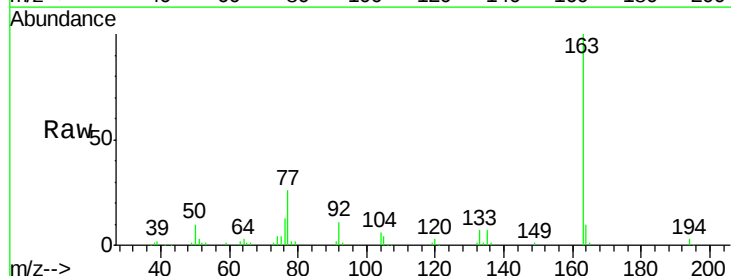


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

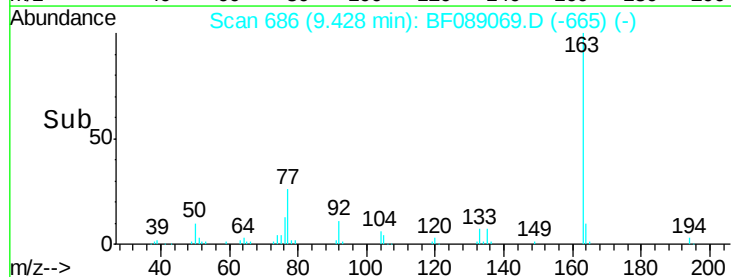
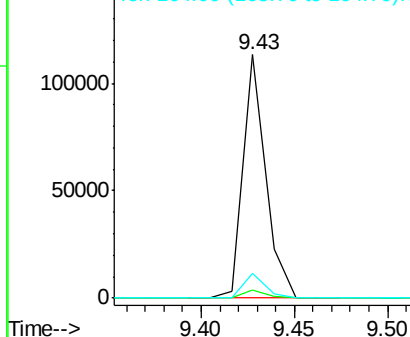


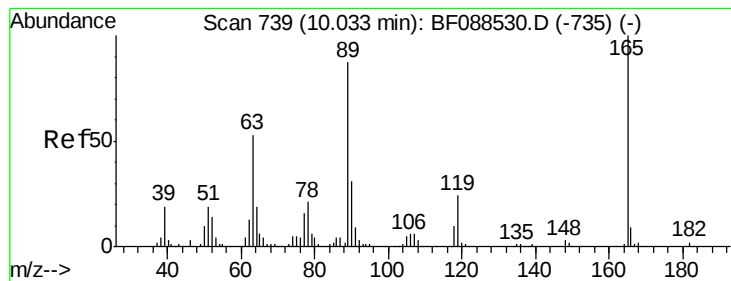
#49
Dimethylphthalate
Concen: 15.88 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Tgt Ion:163 Resp: 95720
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

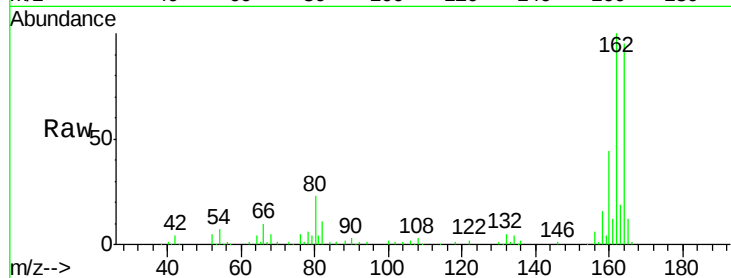




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.24 min
 Lab File: BF089069.D
 Acq: 16 Jul 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

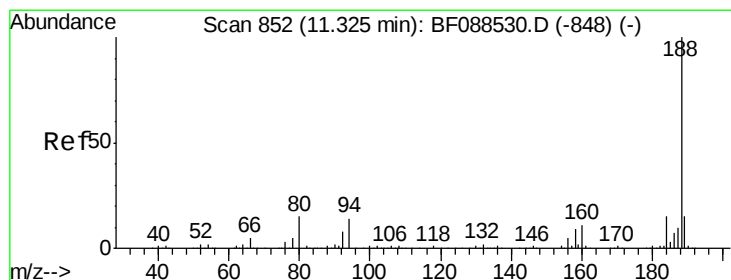
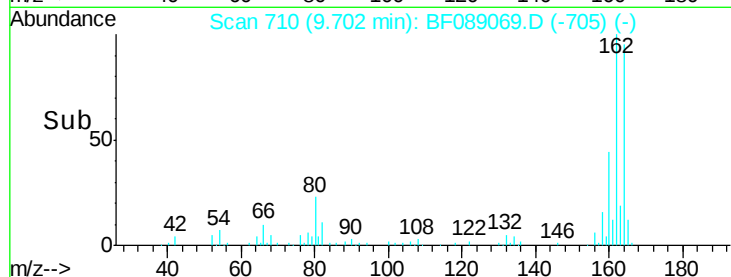
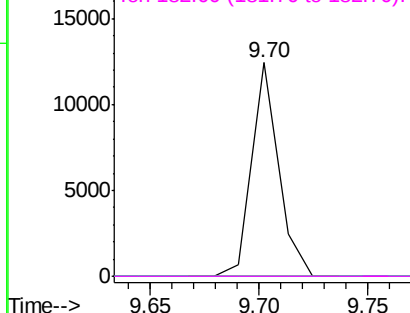


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

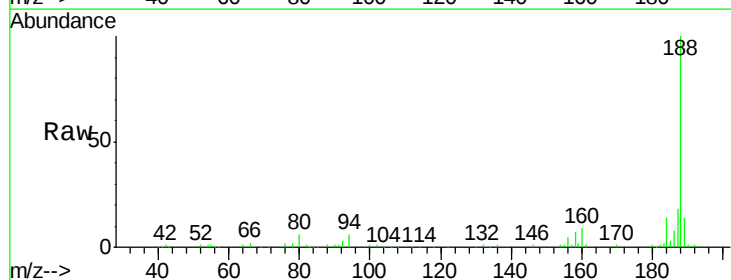
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.03 min
 Lab File: BF089069.D
 Acq: 16 Jul 2016 22:13

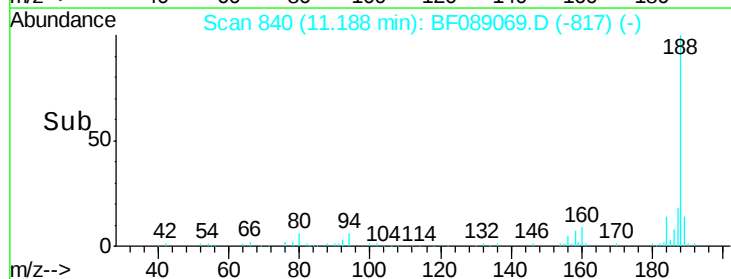
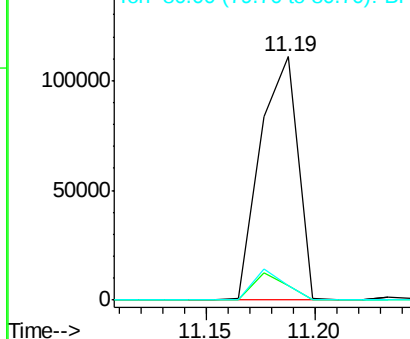
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	9.0	13.6#
80	6.1	10.0	15.0#

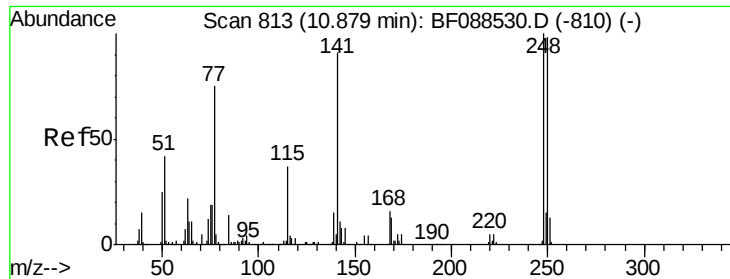


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

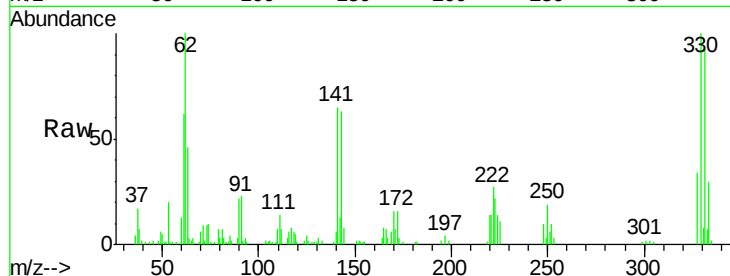




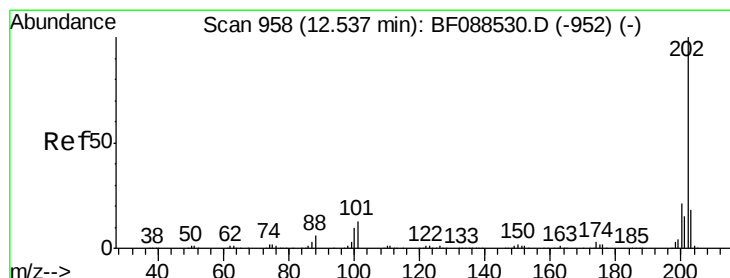
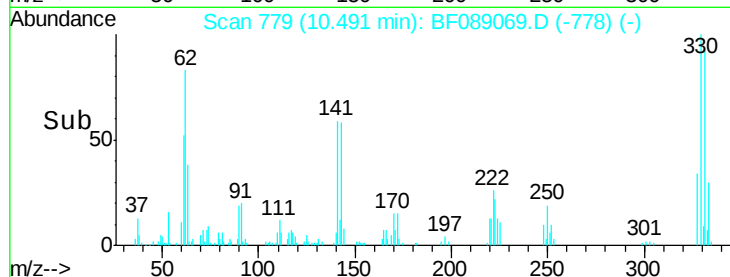
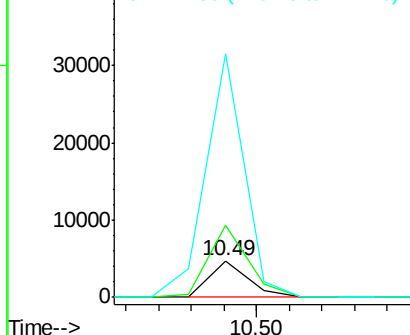
#66
4-Bromophenyl-phenylether
Concen: 2.84 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3847
Ion Ratio Lower Upper
248 100
250 197.6 77.1 115.7#
141 664.4 50.6 76.0#

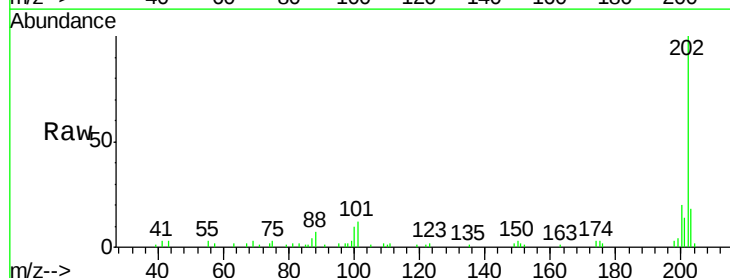


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

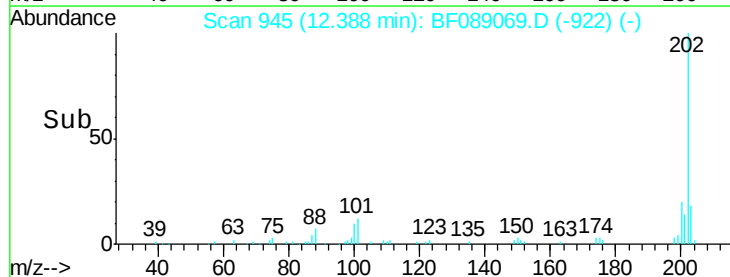
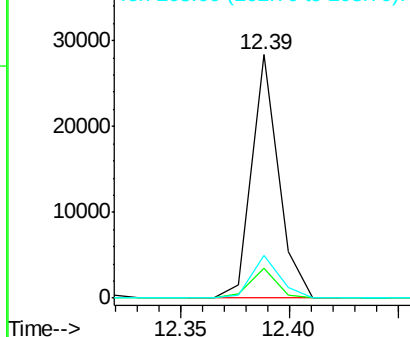


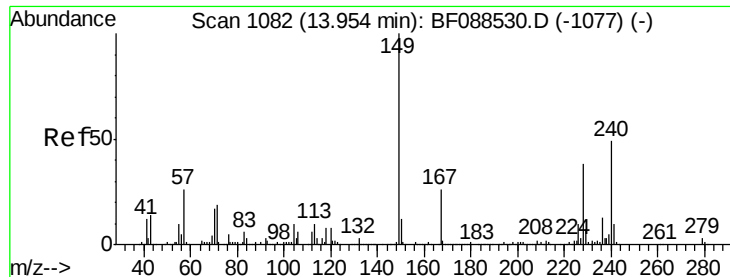
#74
Fluoranthene
Concen: 3.24 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Tgt Ion:202 Resp: 24200
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.1
203 17.6 0.0 38.1



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: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

Instrument :

BNA_F

ClientSampleId :

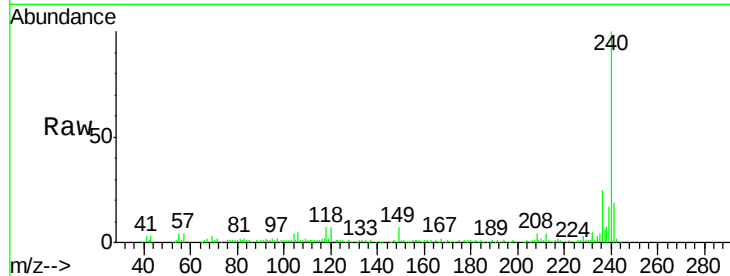
Tot Ion:240 Resp: 105455

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

236 25.4 20.2 30.2



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

120000

100000

80000

60000

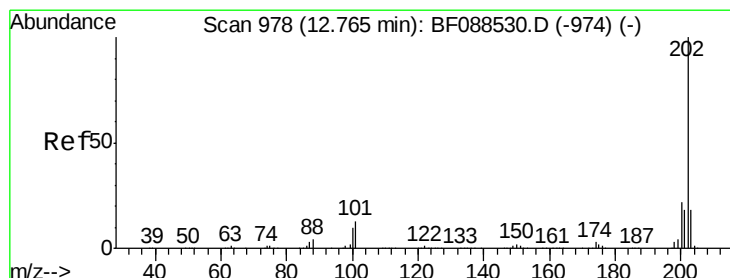
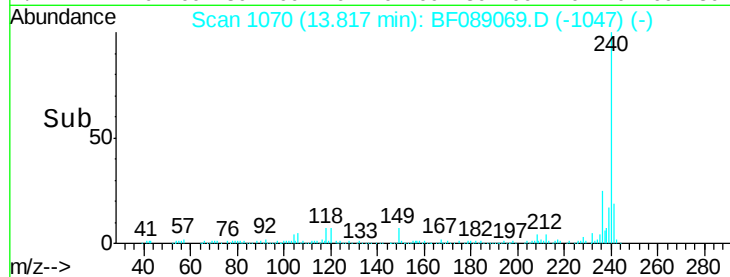
40000

20000

0

13.75 13.80 13.85 13.90

Time-->



#77

Pyrene

Concen: 3.04 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

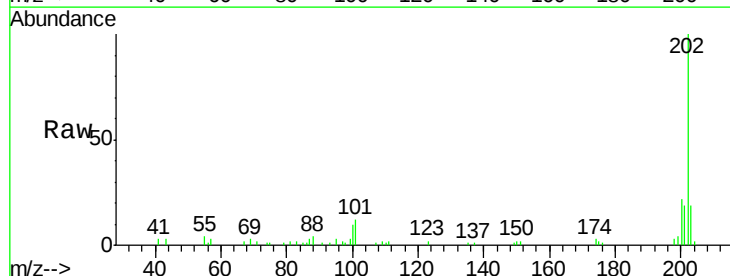
Tgt Ion:202 Resp: 27209

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

203 18.8 14.5 21.7



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

40000

30000

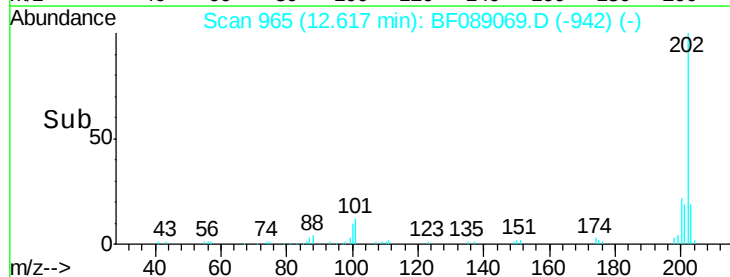
20000

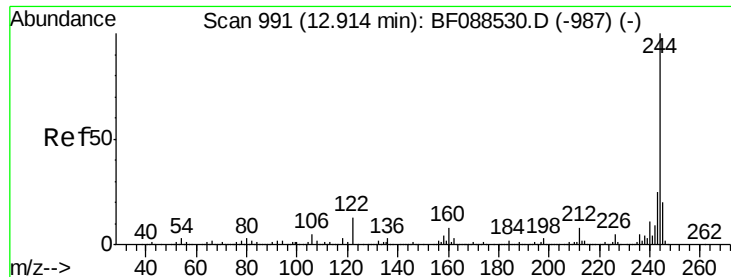
10000

0

12.55 12.60 12.65

Time-->

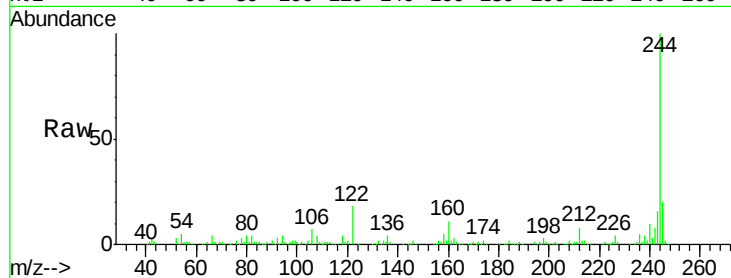




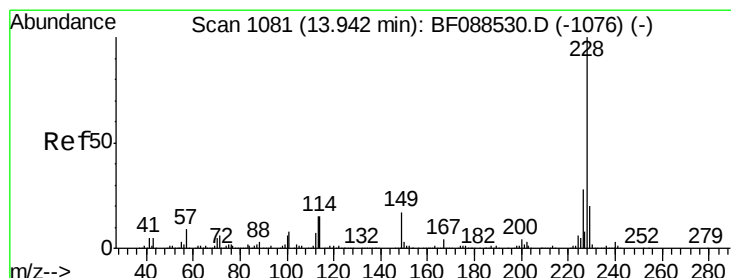
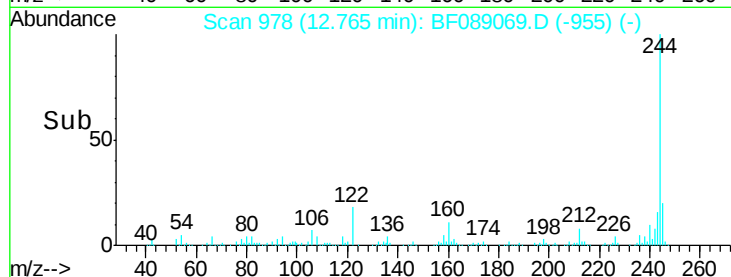
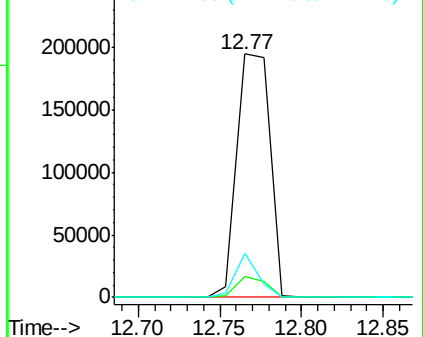
#78
 Terphenyl-d14
 Concen: 57.50 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089069.D
 Acq: 16 Jul 2016 22:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 272235
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.0 9.0
 122 17.9 11.2 16.8#

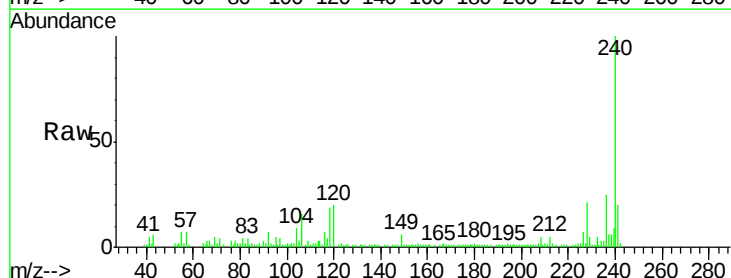


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

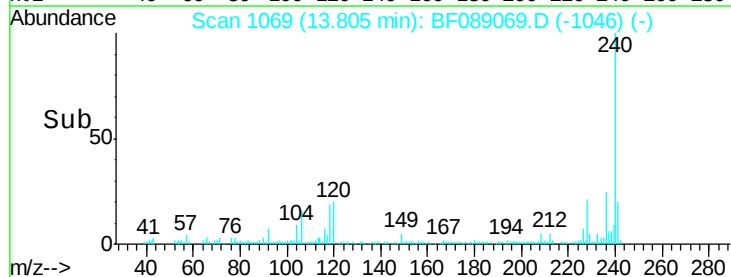
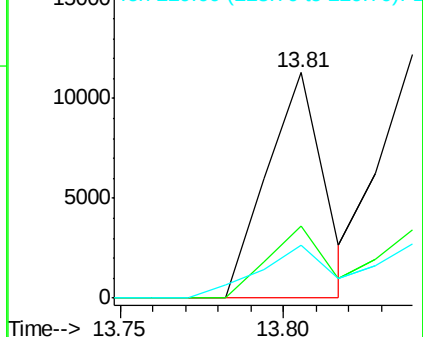


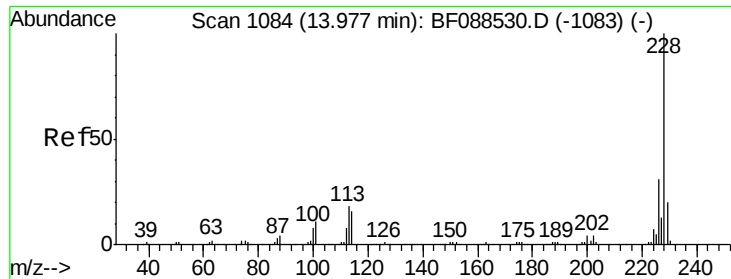
#80
 Benzo(a)anthracene
 Concen: 2.01 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BF089069.D
 Acq: 16 Jul 2016 22:13

Tgt Ion:228 Resp: 13672
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.3 33.5
 229 23.4 16.0 24.0



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: 2.04 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.07 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

Instrument :

BNA_F

ClientSampleId :

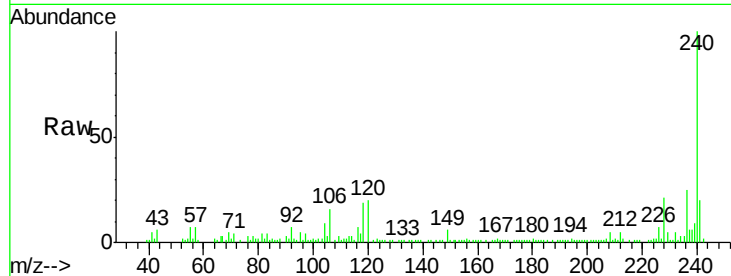
Tot Ion:228 Resp: 13672

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.2

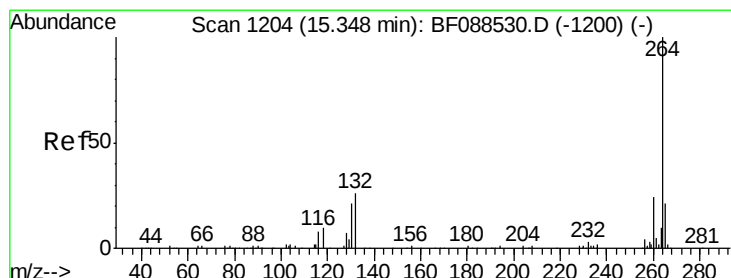
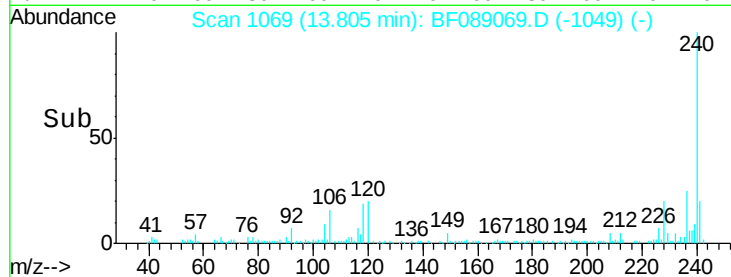
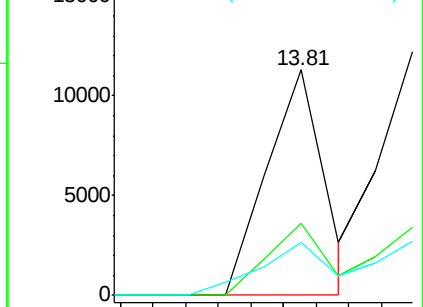
229 23.4 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.19 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

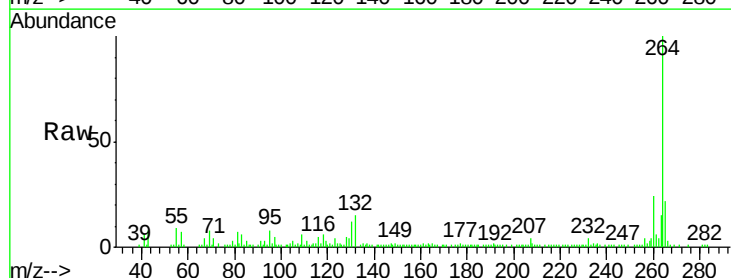
Tgt Ion:264 Resp: 71006

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

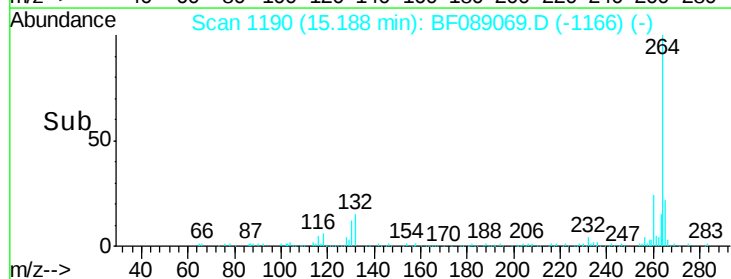
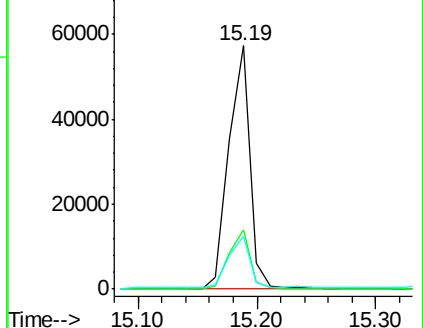
265 21.9 16.9 25.3

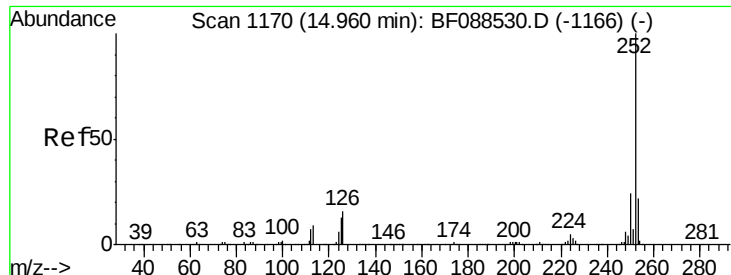


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

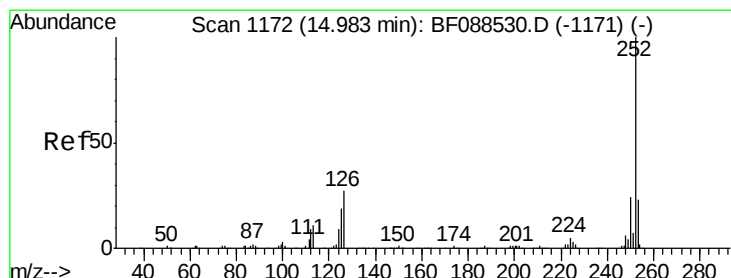
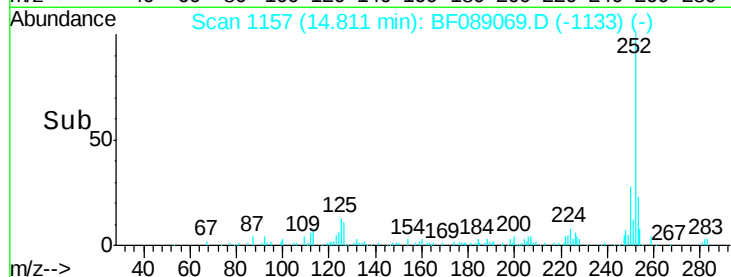
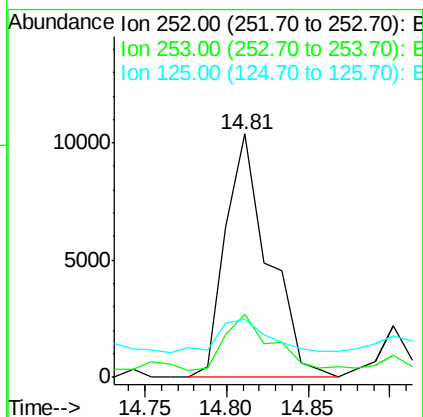
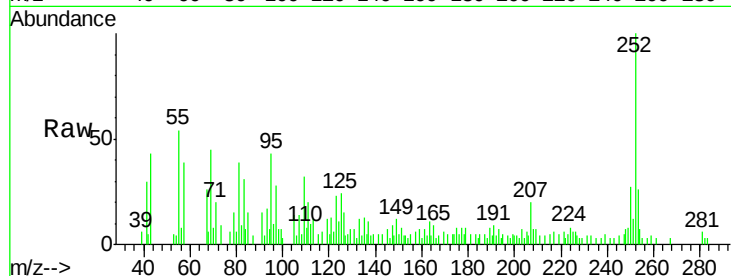




#87
Benzo(b)fluoranthene
Concen: 4.25 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

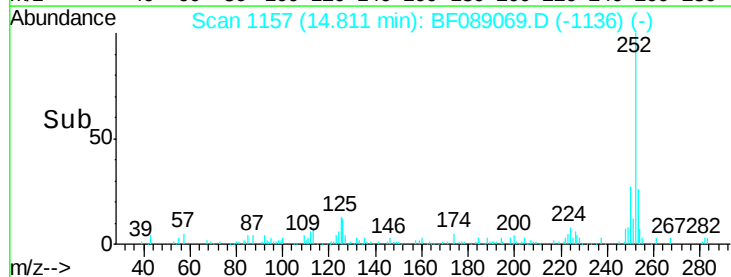
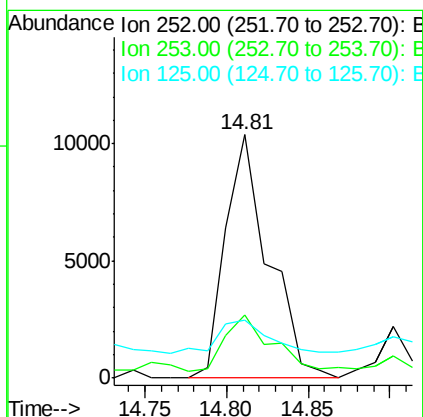
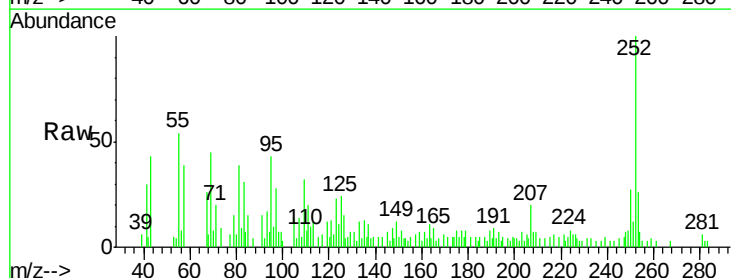
Instrument :
BNA_F
ClientSampled :

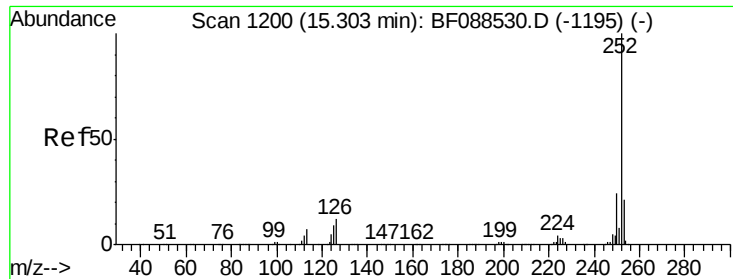
Tot Ion:252 Resp: 18938
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.2
125 24.0 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 4.88 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.06 min
Lab File: BF089069.D
Acq: 16 Jul 2016 22:13

Tgt Ion:252 Resp: 18938
Ion Ratio Lower Upper
252 100
253 26.1 18.0 27.0
125 24.0 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 2.48 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089069.D

Acq: 16 Jul 2016 22:13

Instrument :

BNA_F

ClientSampleId :

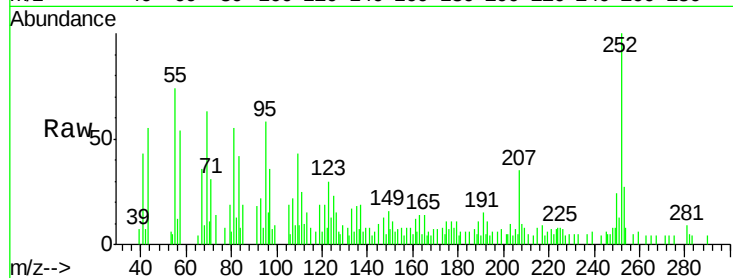
Tot Ion:252 Resp: 9365

Ion Ratio Lower Upper

252 100

253 27.5 17.9 26.9#

125 22.9 12.5 18.7#



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

