

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088562.D
 Acq On : 1 Jul 2016 7:07
 Operator : UM/SJ
 Sample : H3701-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

Quant Time: Jul 01 07:30:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	155714	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	604822	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	245028	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	391403	20.00	ng	0.01
75) Chrysene-d12	13.95	240	288999	20.00	ng	0.00
86) Perylene-d12	15.36	264	282092	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	887425	85.41	ng	0.01
7) Phenol-d6	6.46	99	1315160	97.96	ng	0.01
23) Nitrobenzene-d5	7.38	82	763443	66.15	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	200287	88.02	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1239279	79.89	ng	0.01
78) Terphenyl-d14	12.91	244	703717	54.24	ng	0.00

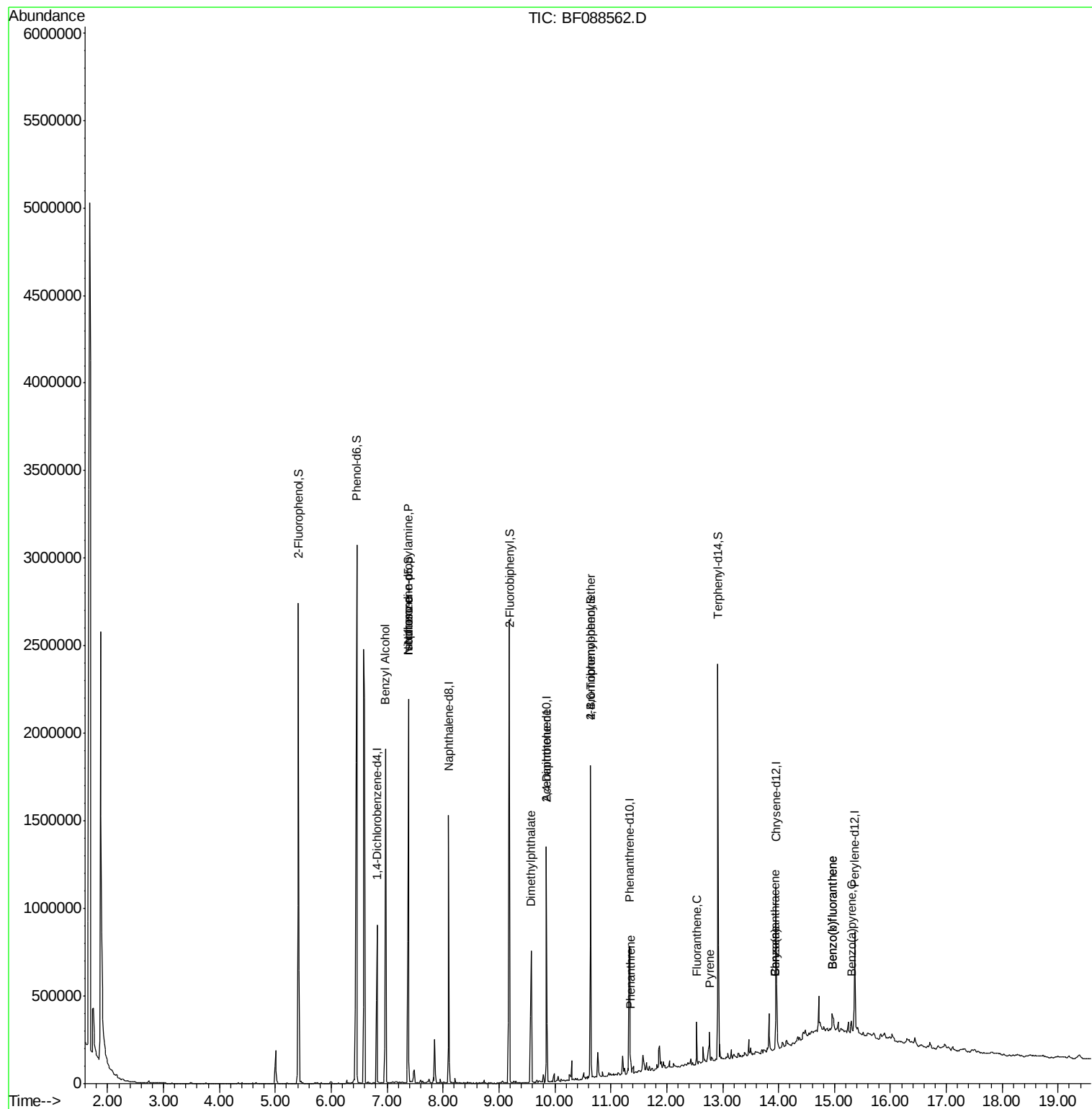
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.97	79	26434	2.68	ng	# 56
19) n-Nitroso-di-n-propylamine	7.38	70	107604	11.93	ng	# 73
25) Isophorone	7.38	82	552790	25.86	ng	# 65
49) Dimethylphthalate	9.58	163	357564	20.48	ng	# 98
56) 2,4-Dinitrotoluene	9.85	165	31955	6.32	ng	# 38
66) 4-Bromophenyl-phenylether	10.64	248	14756	3.74	ng	# 1
70) Phenanthrene	11.35	178	46580	2.18	ng	99
74) Fluoranthene	12.54	202	88352	4.07	ng	98
77) Pyrene	12.77	202	78087	3.19	ng	98
80) Benzo(a)anthracene	13.94	228	45950	2.47	ng	95
82) Chrysene	13.94	228	45950	2.50	ng	97
87) Benzo(b)fluoranthene	14.96	252	63798	3.61	ng	# 86
88) Benzo(k)fluoranthene	14.96	252	63798	4.14	ng	# 90
89) Benzo(a)pyrene	15.30	252	31551	2.11	ng	# 93

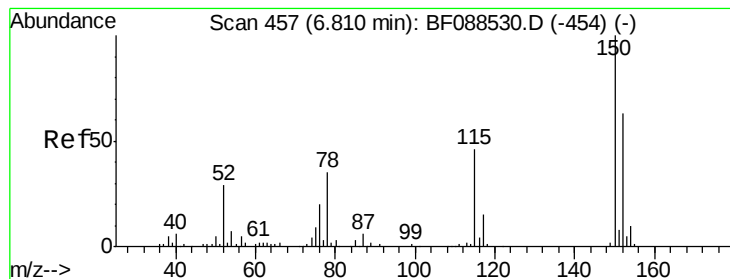
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 30 18:01:55 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

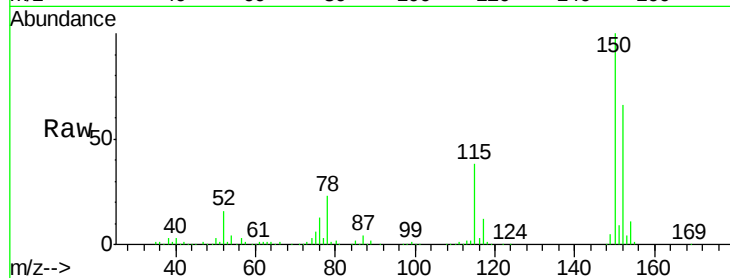
Tgt Ion:152 Resp: 155714

Ion Ratio Lower Upper

152 100

150 152.6 123.8 185.6

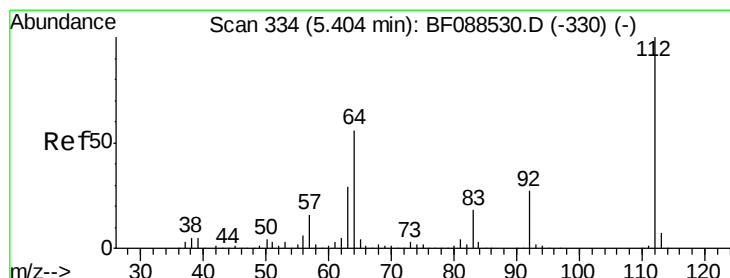
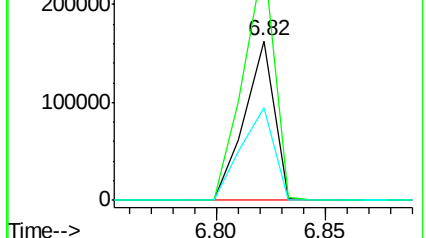
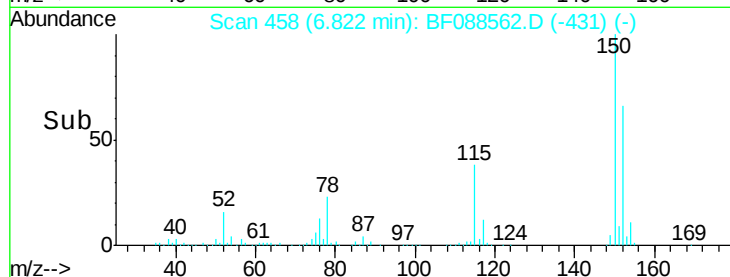
115 58.0 39.6 59.4



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: 85.41 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

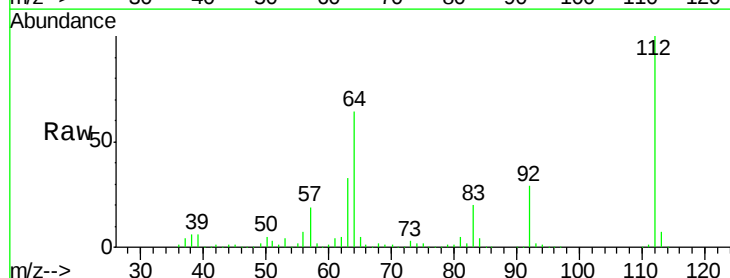
Tgt Ion:112 Resp: 887425

Ion Ratio Lower Upper

112 100

64 63.5 42.2 63.2#

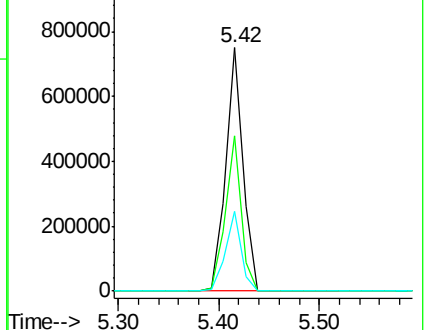
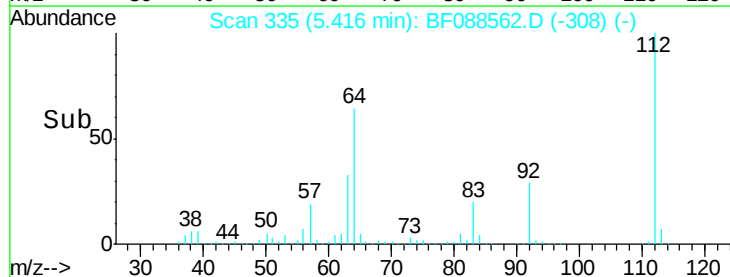
63 33.0 21.8 32.8#



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: 97.96 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampled :

TEC-COMP-B2A

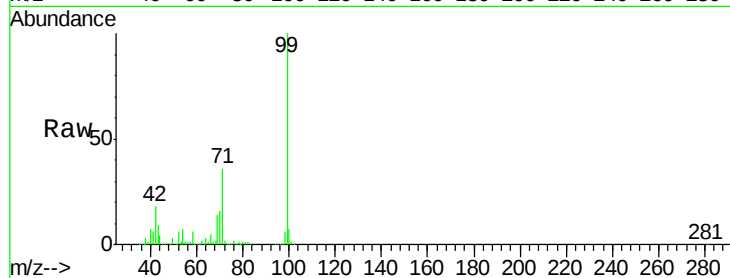
Tgt Ion: 99 Resp: 1315160

Ion Ratio Lower Upper

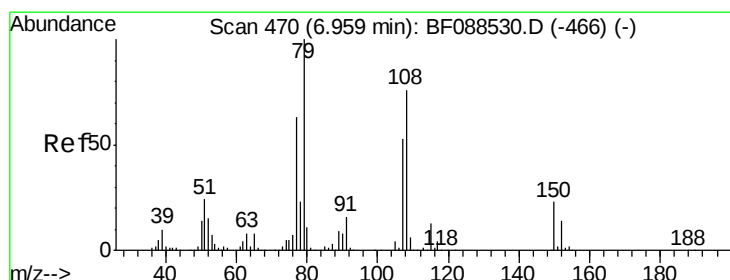
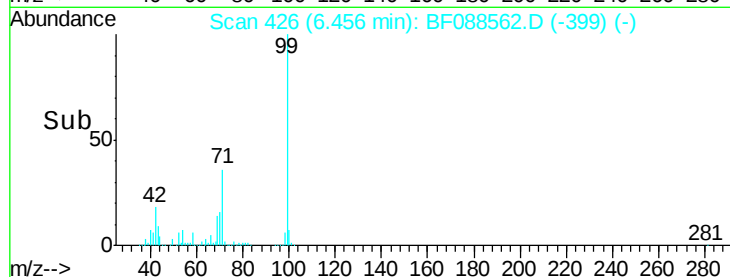
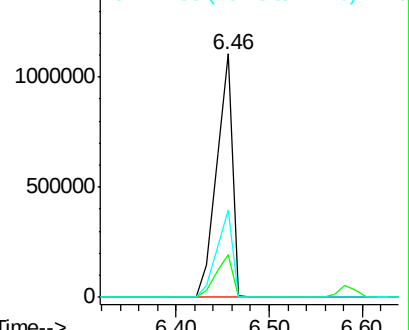
99 100

42 17.7 12.2 18.2

71 35.9 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



#15

Benzyl Alcohol

Concen: 2.68 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

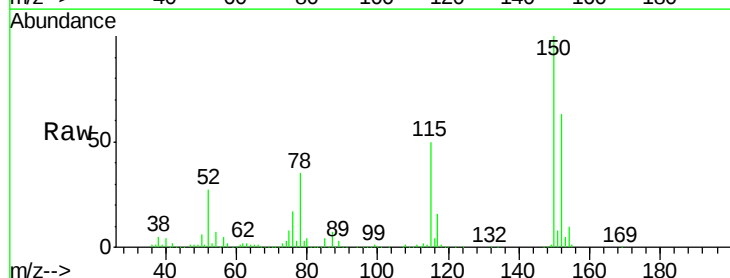
Tgt Ion: 79 Resp: 26434

Ion Ratio Lower Upper

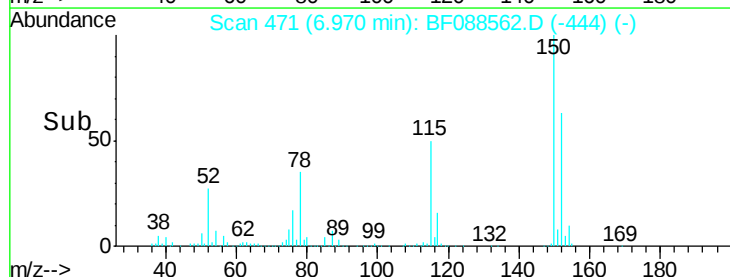
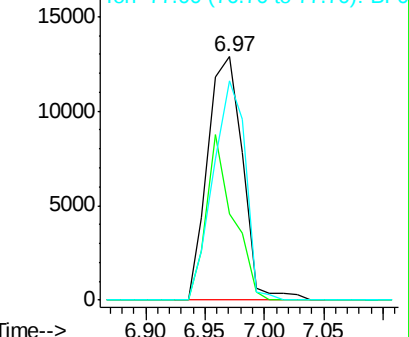
79 100

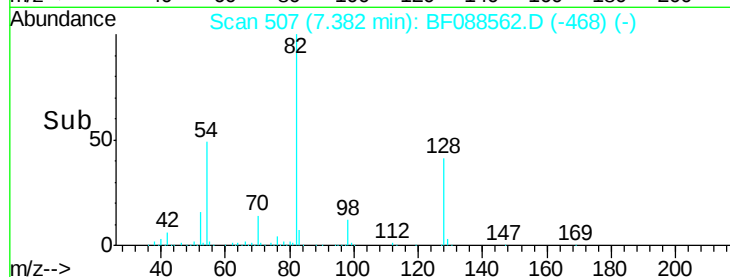
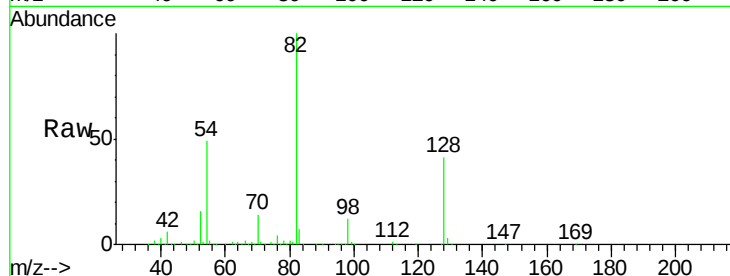
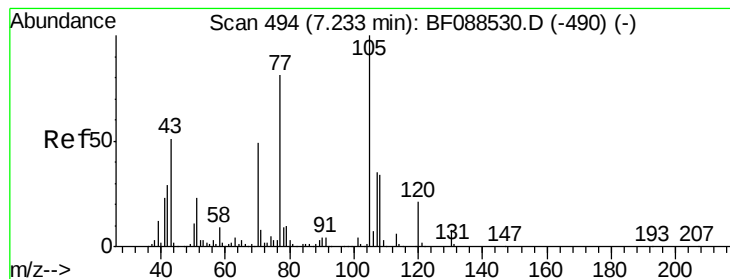
108 35.4 65.0 97.6#

77 90.1 50.3 75.5#



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: 11.93 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.15 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

Tgt Ion: 70 Resp: 107604

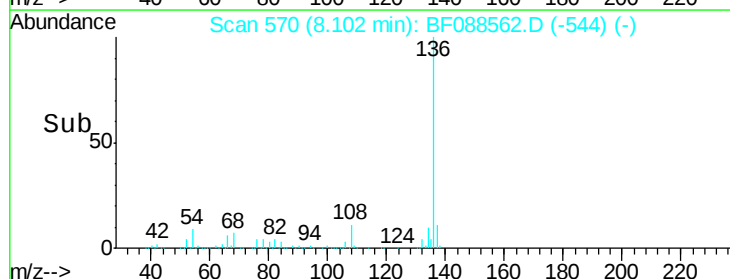
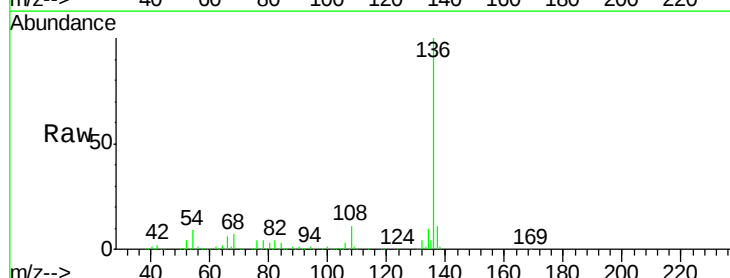
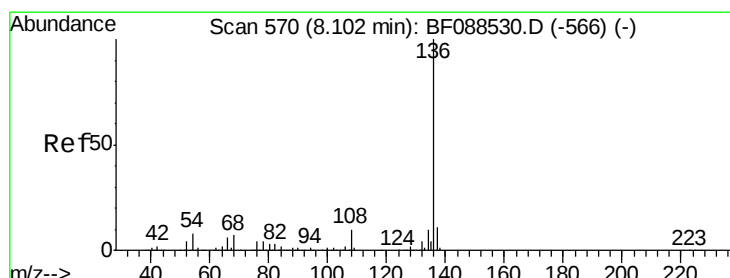
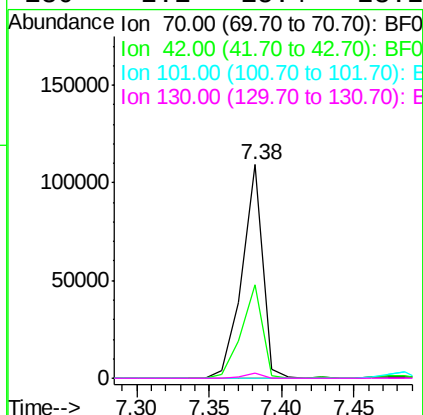
Ion Ratio Lower Upper

70 100

42 44.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Tgt Ion: 136 Resp: 604822

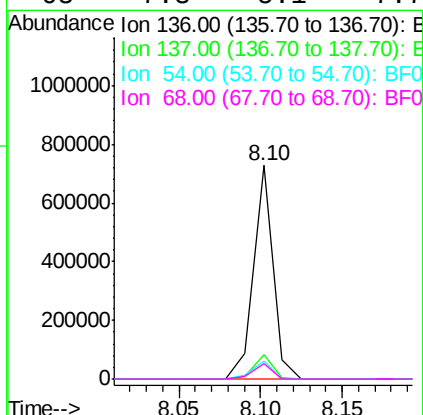
Ion Ratio Lower Upper

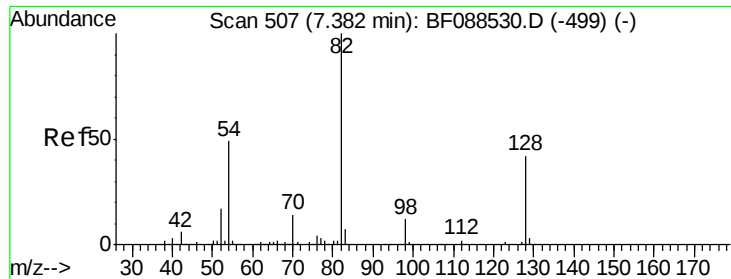
136 100

137 11.5 9.1 13.7

54 8.7 6.6 10.0

68 7.3 5.1 7.7

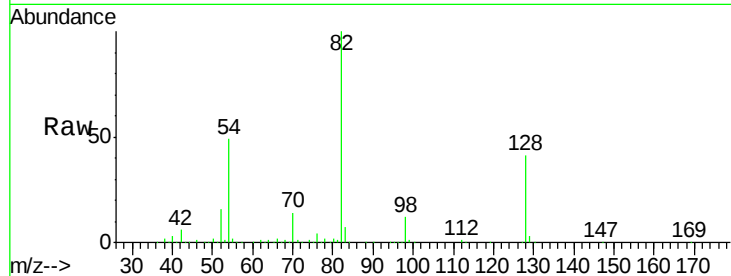




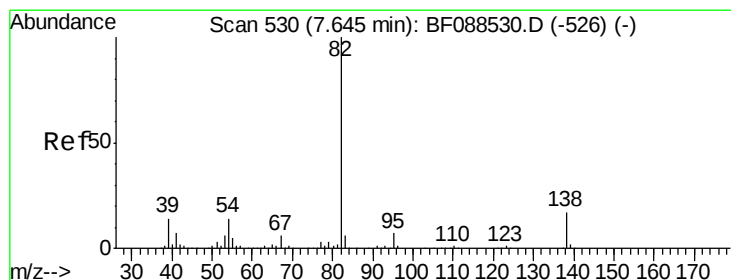
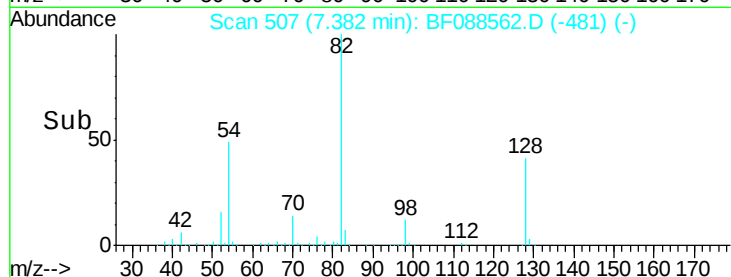
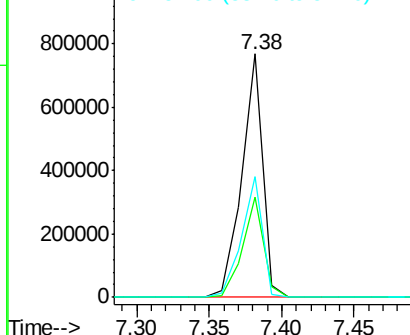
#23
Nitrobenzene-d5
Concen: 66.15 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.1	35.9	53.9
54	49.4	40.9	61.3

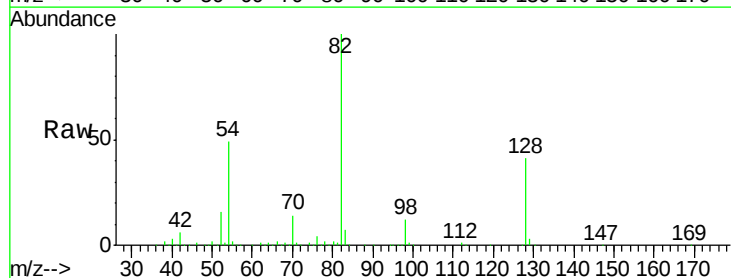


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

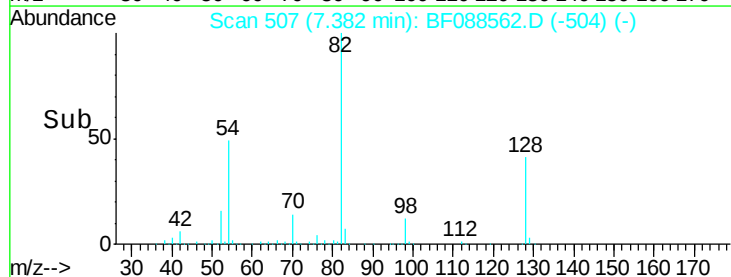
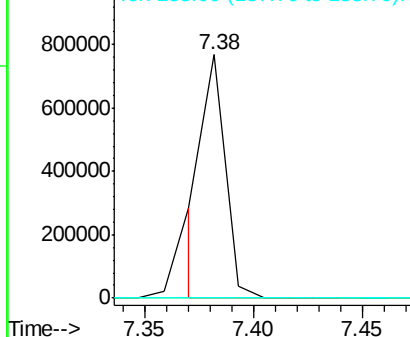


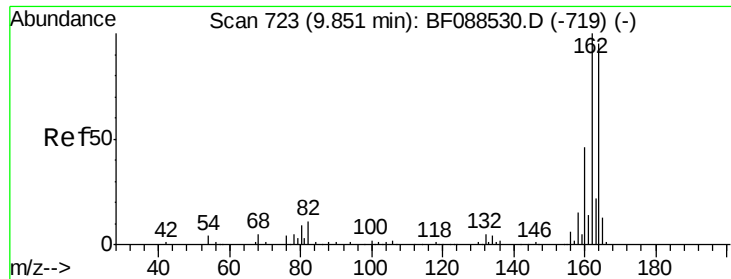
#25
Isophorone
Concen: 25.86 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.26 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

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



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

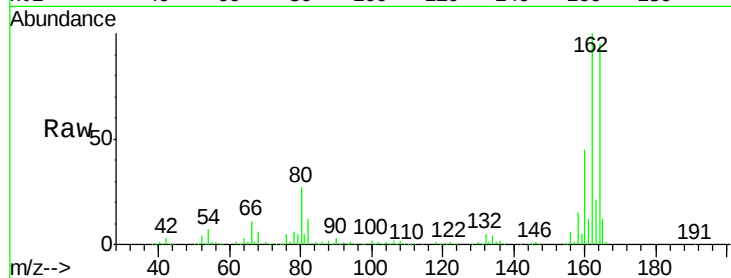




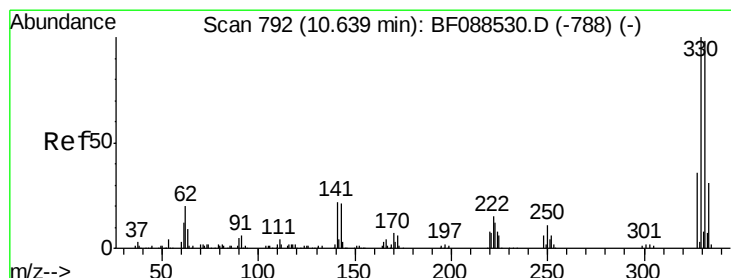
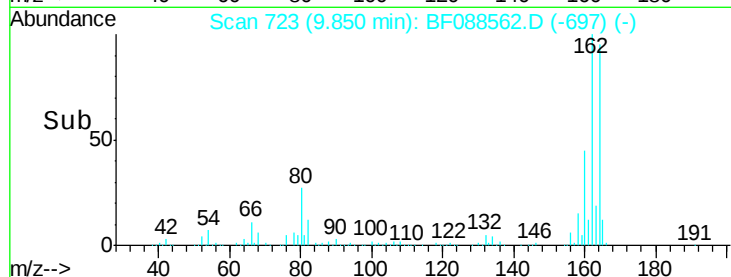
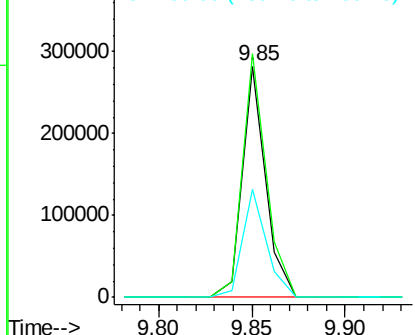
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion:164 Resp: 245028
Ion Ratio Lower Upper
164 100
162 105.4 85.4 128.2
160 46.9 39.5 59.3

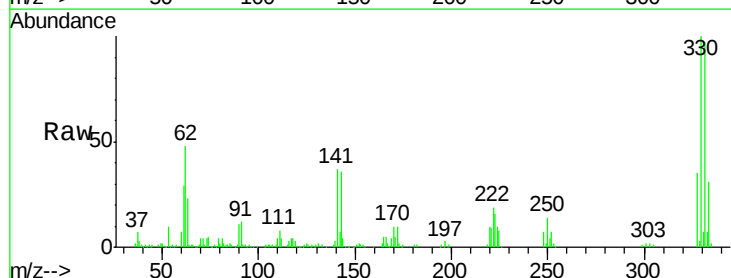


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

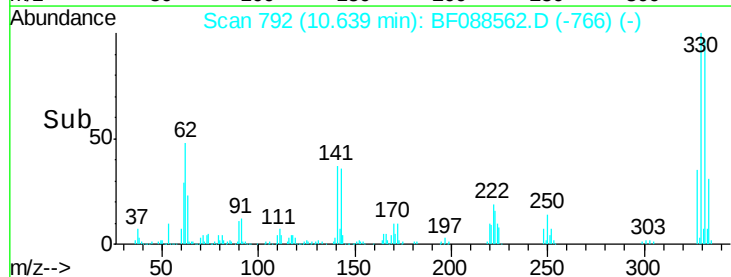
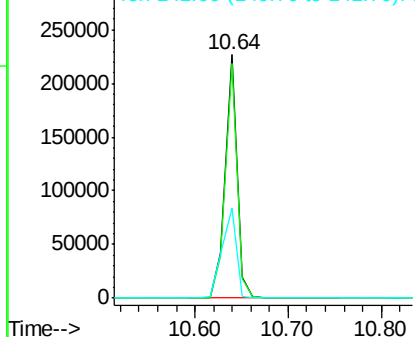


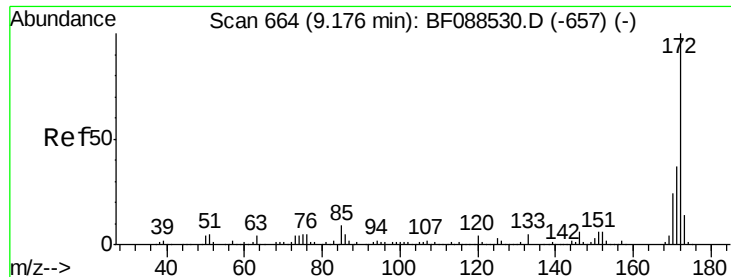
#41
2,4,6-Tribromophenol
Concen: 88.02 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion:330 Resp: 200287
Ion Ratio Lower Upper
330 100
332 96.2 0.0 0.0#
141 44.6 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

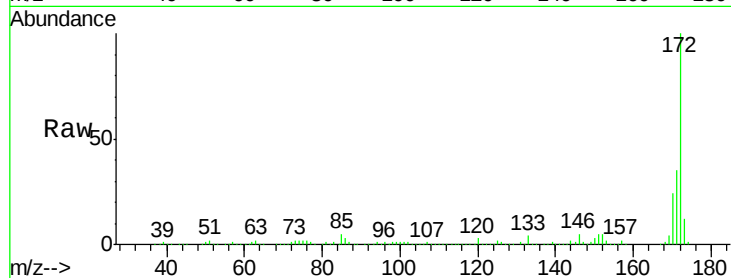




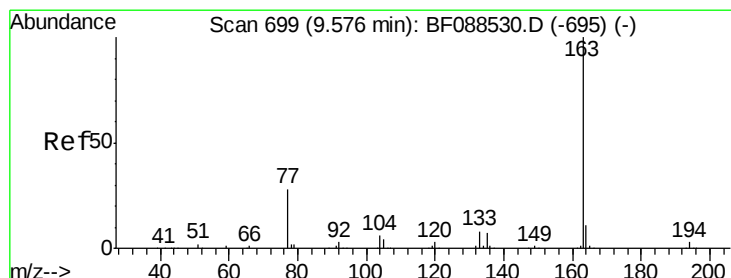
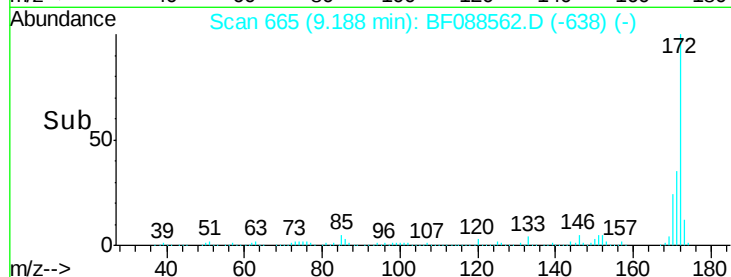
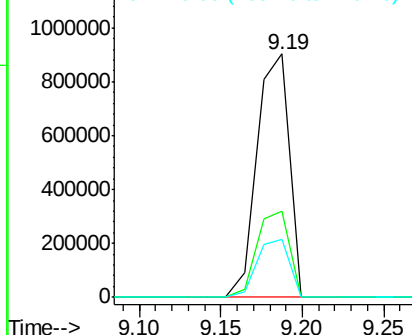
#44
2-Fluorobiphenyl
Concen: 79.89 ng
RT: 9.19 min Scan# 665
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion:172 Resp: 1239279
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.8 19.2 28.8

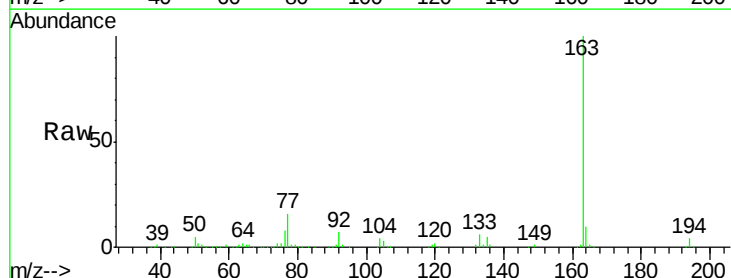


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

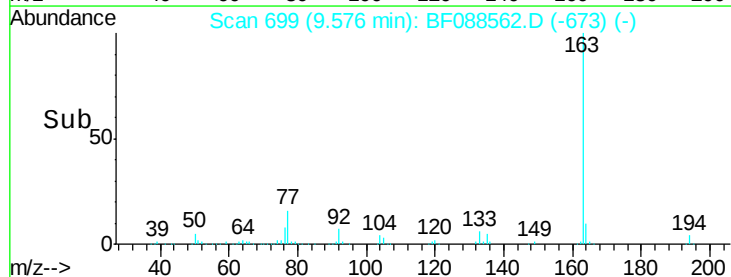
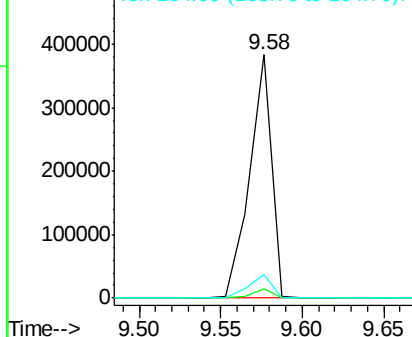


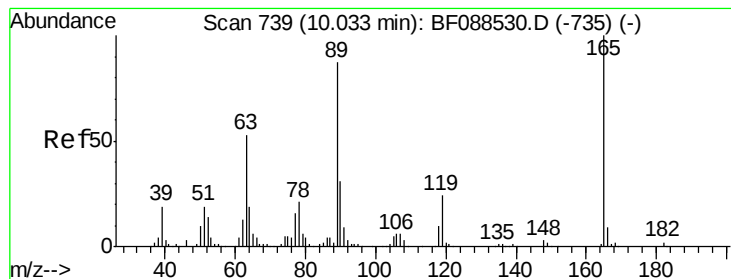
#49
Dimethylphthalate
Concen: 20.48 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion:163 Resp: 357564
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.5 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: 6.32 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.18 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

Tgt Ion:165 Resp: 31955

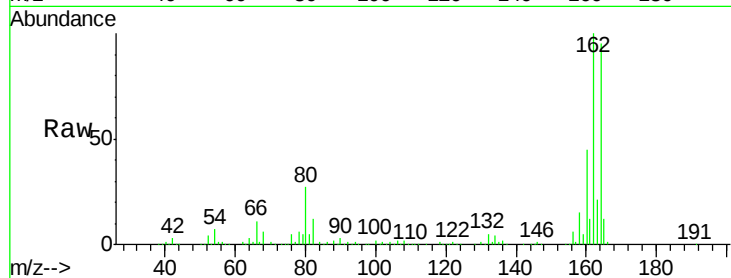
Ion Ratio Lower Upper

165 100

63 1.3 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

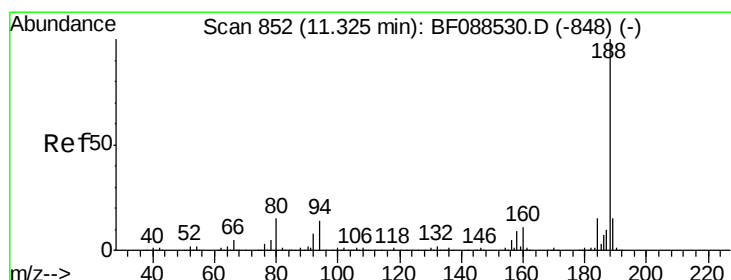
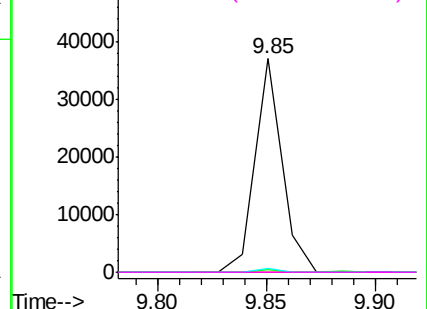
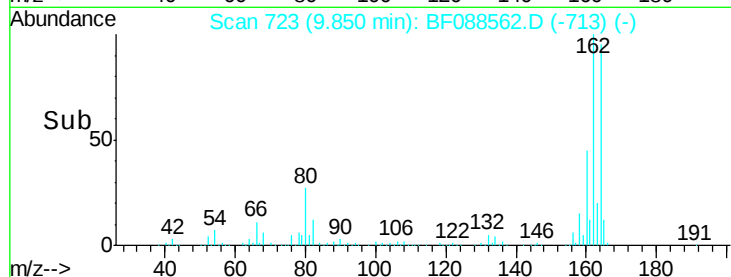


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

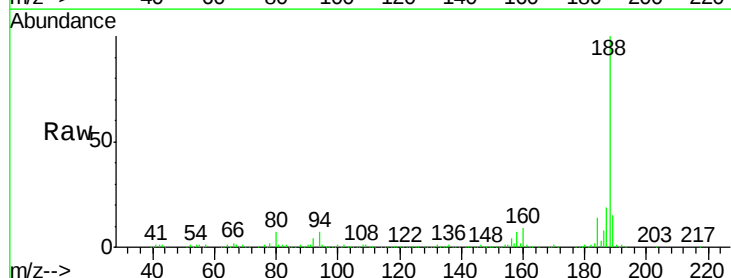
Tgt Ion:188 Resp: 391403

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.6#

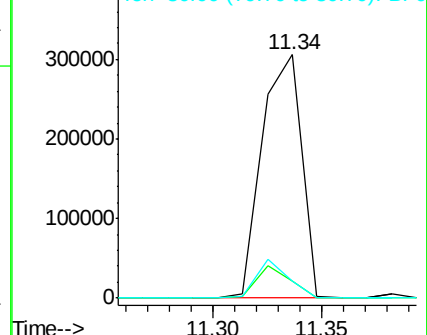
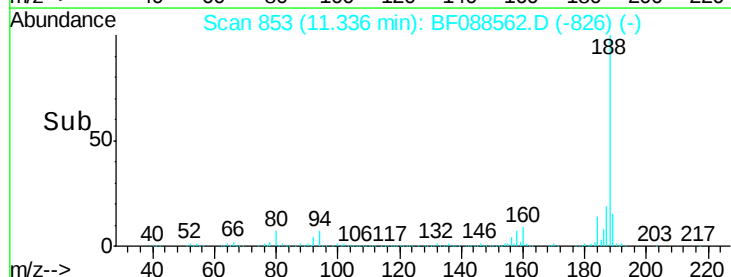
80 7.1 10.0 15.0#

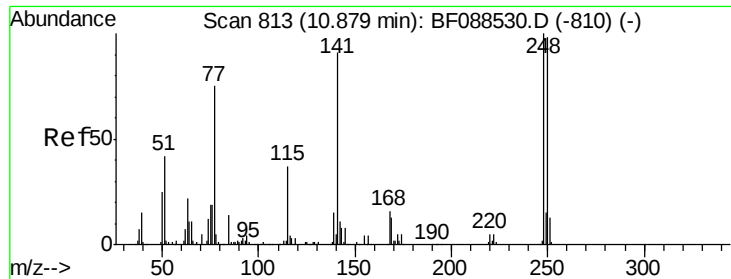


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

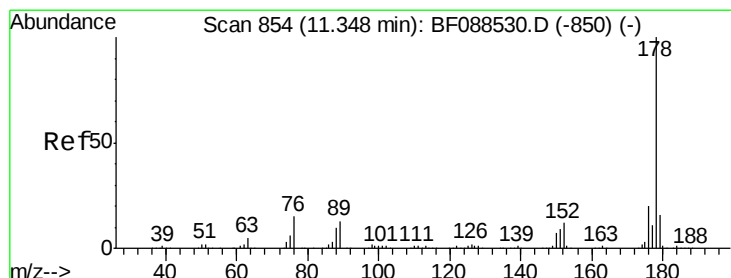
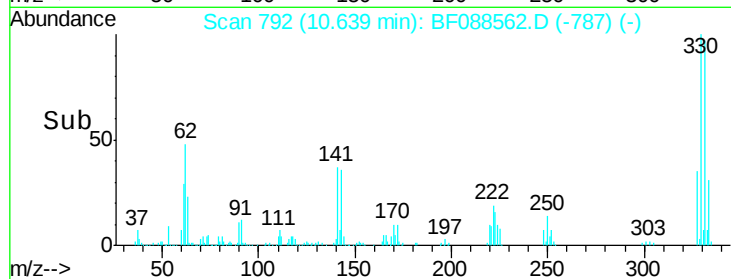
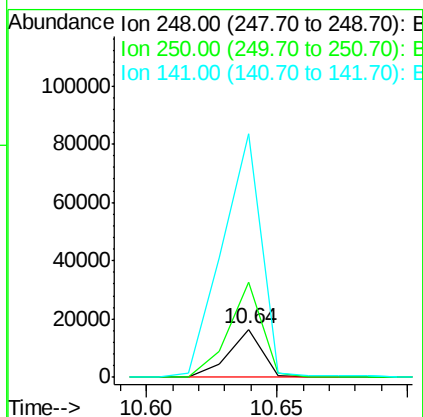
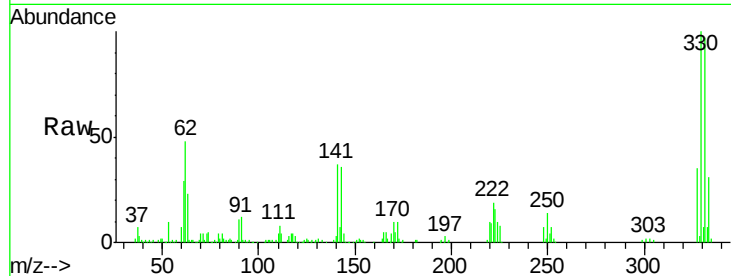




#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.24 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

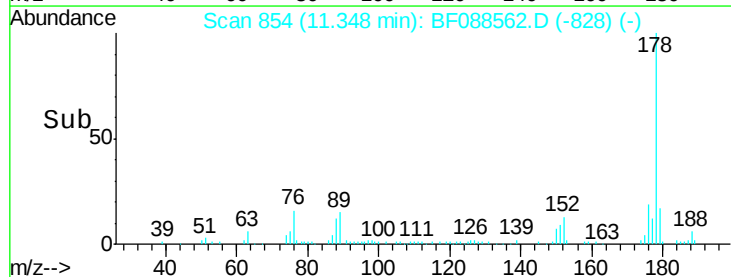
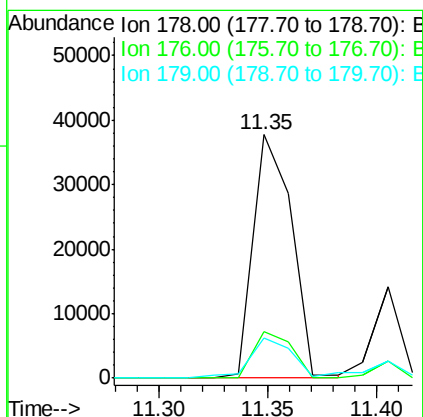
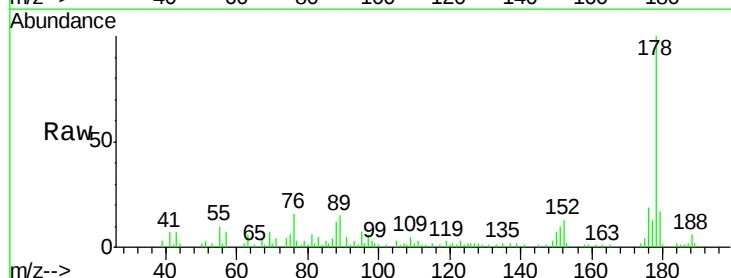
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

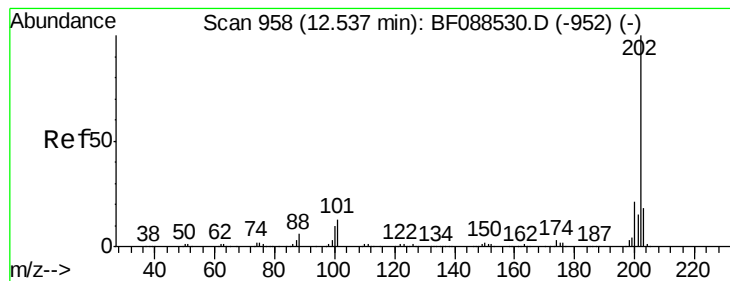
Tgt Ion:248 Resp: 14756
Ion Ratio Lower Upper
248 100
250 198.9 77.1 115.7#
141 507.4 50.6 76.0#



#70
Phenanthrene
Concen: 2.18 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion:178 Resp: 46580
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 16.7 13.0 19.4





#74

Fluoranthene

Concen: 4.07 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

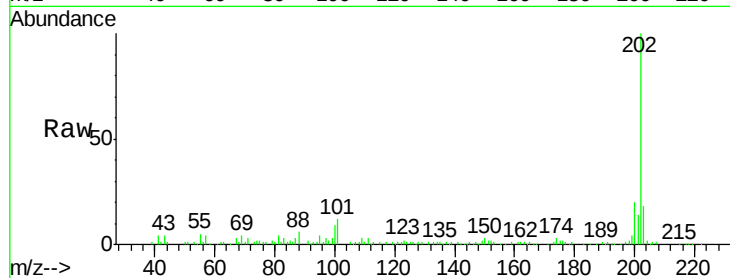
Tgt Ion: 202 Resp: 88352

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.1

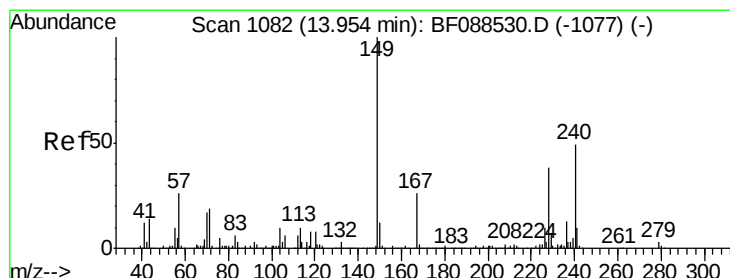
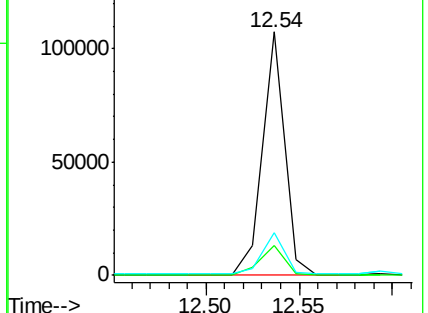
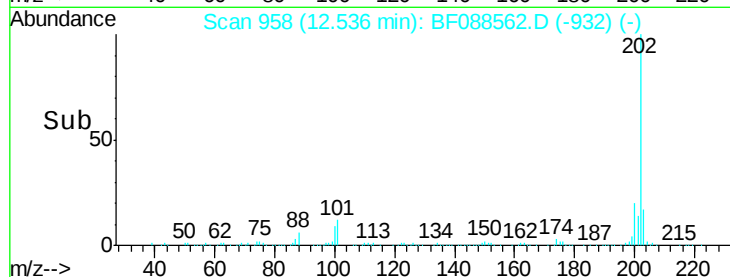
203 17.5 0.0 38.1



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: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

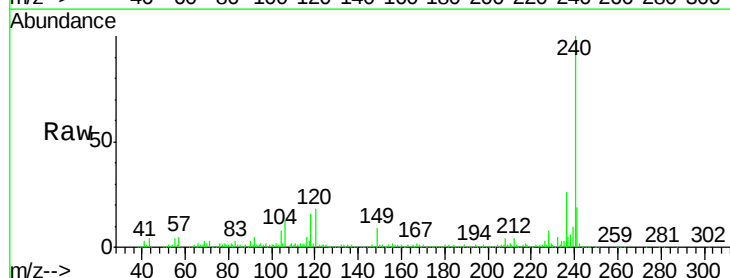
Tgt Ion: 240 Resp: 288999

Ion Ratio Lower Upper

240 100

120 17.5 6.8 10.2#

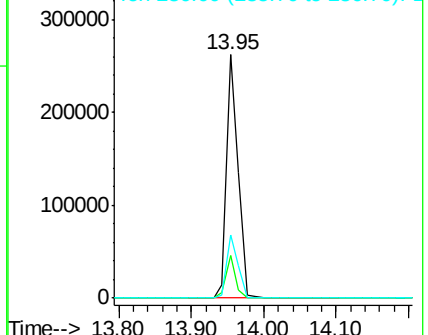
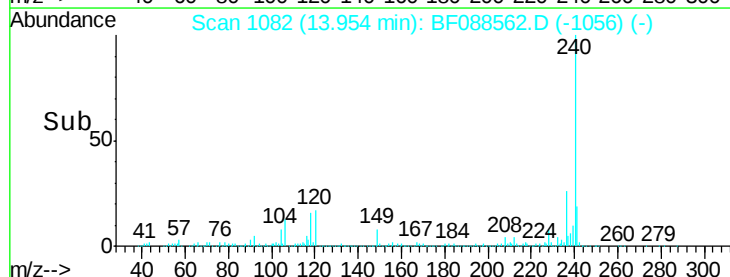
236 25.9 20.2 30.2

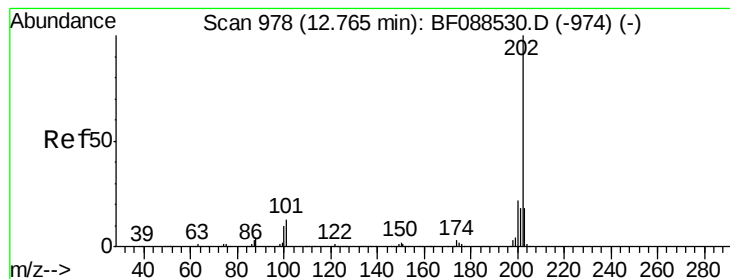


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.19 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

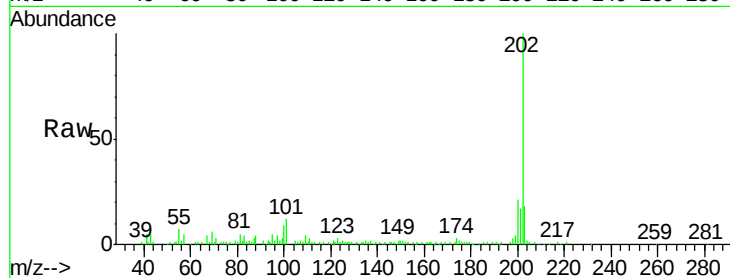
Tgt Ion:202 Resp: 78087

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

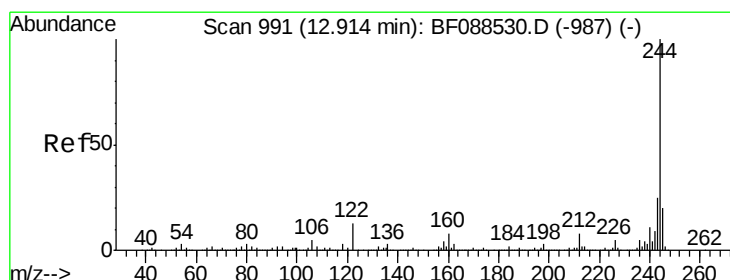
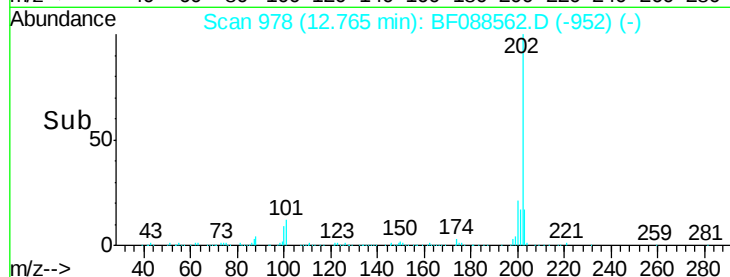
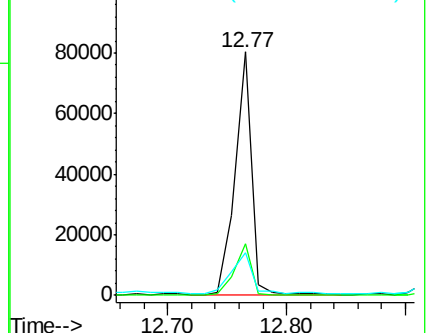
203 17.6 14.5 21.7



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



#78

Terphenyl-d14

Concen: 54.24 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

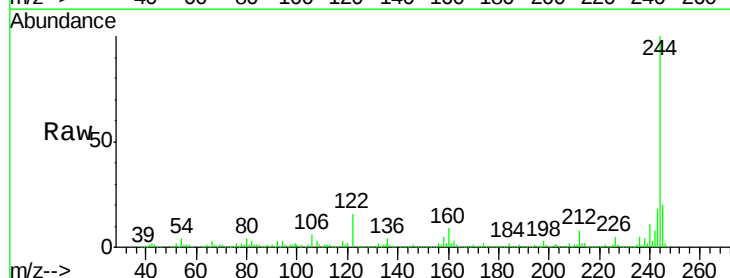
Tgt Ion:244 Resp: 703717

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

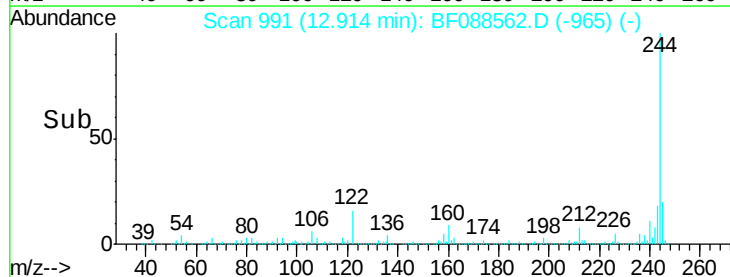
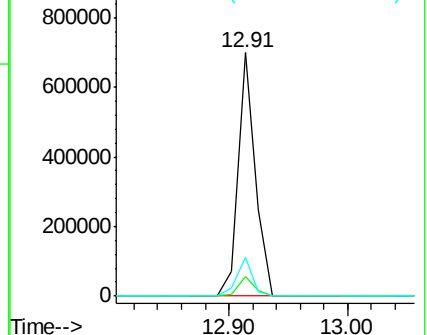
122 16.1 11.2 16.8

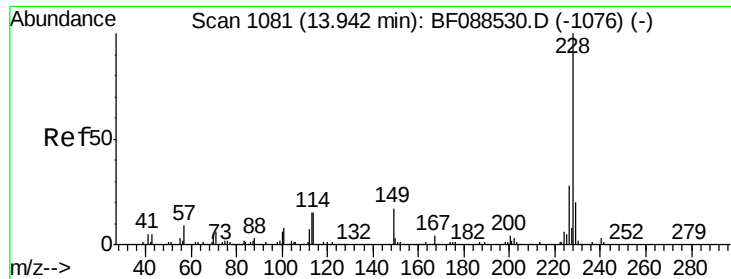


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.47 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

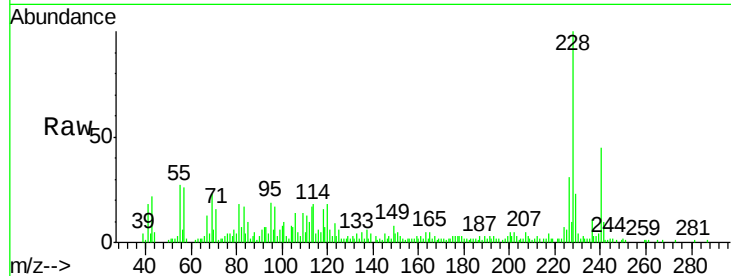
Tgt Ion:228 Resp: 45950

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

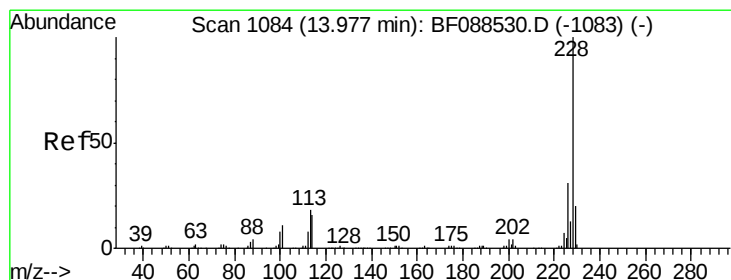
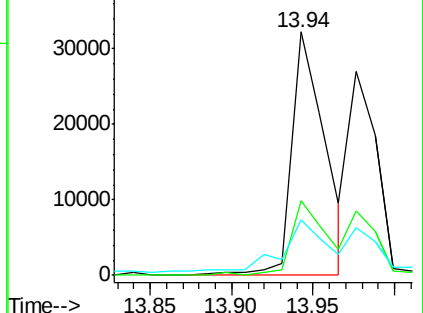
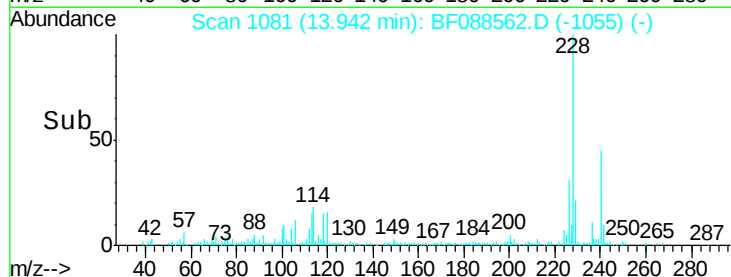
229 22.6 16.0 24.0



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: 2.50 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

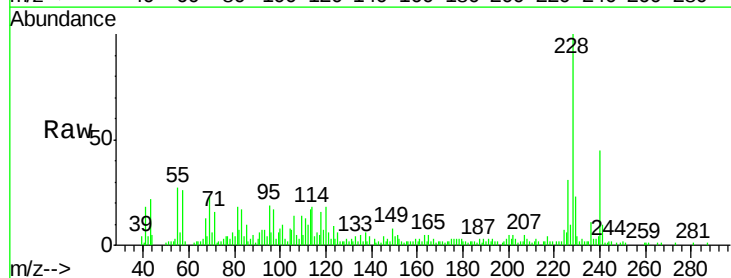
Tgt Ion:228 Resp: 45950

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.2

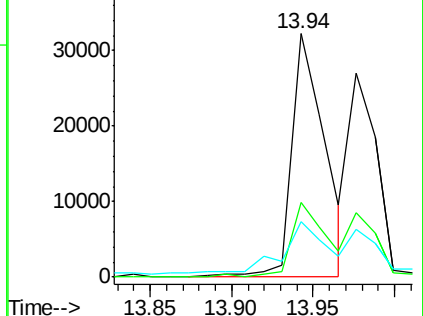
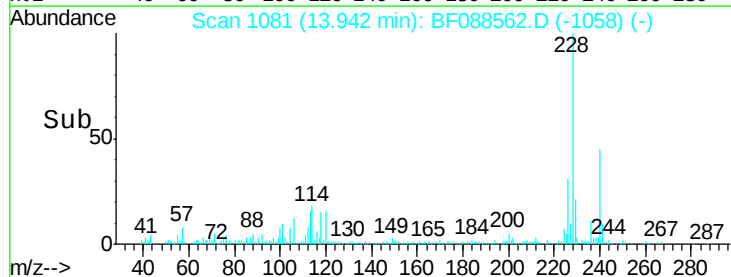
229 22.6 16.3 24.5

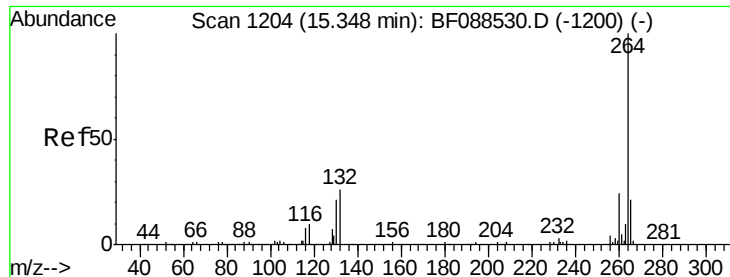


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

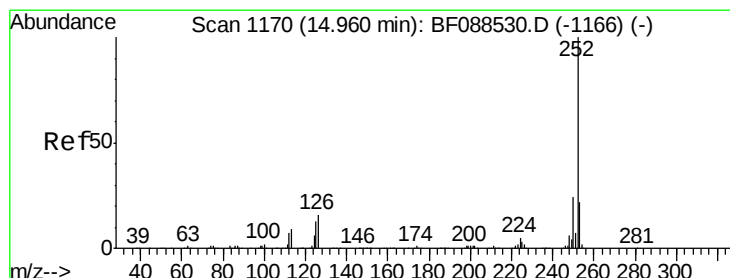
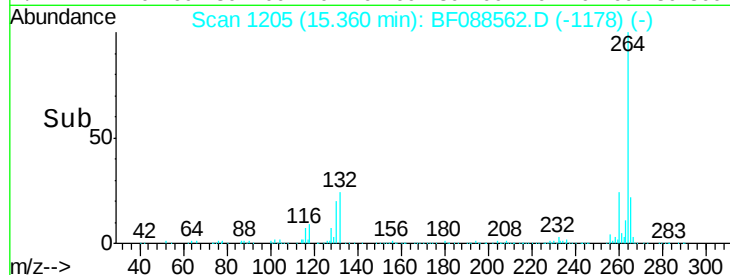
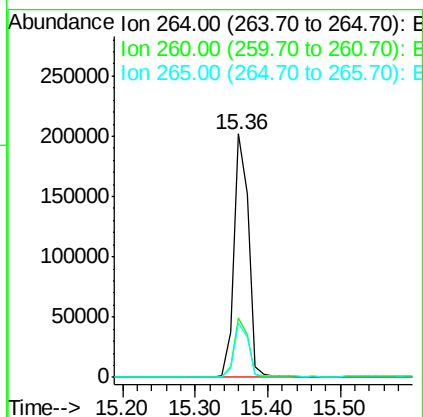
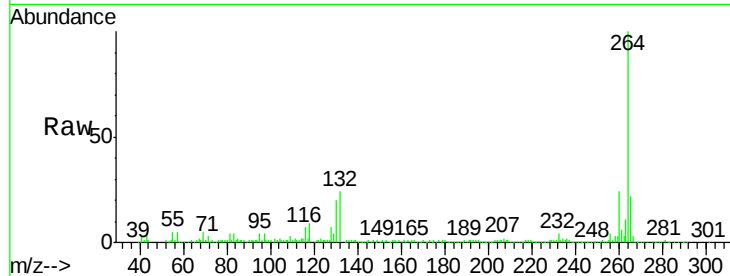




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

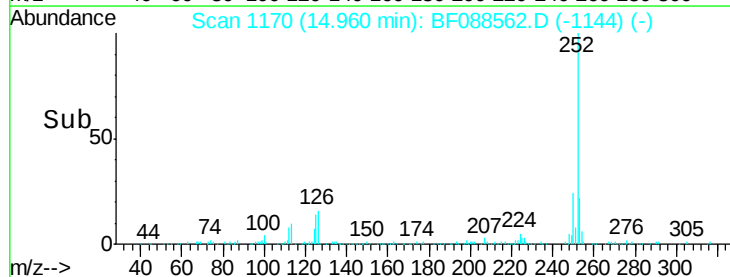
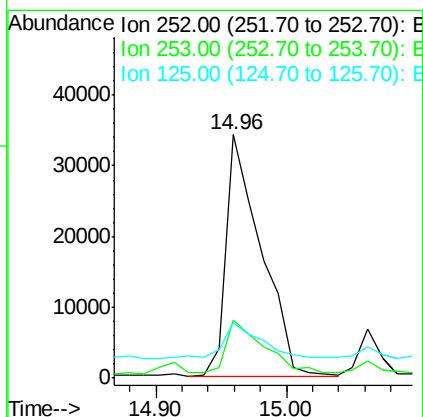
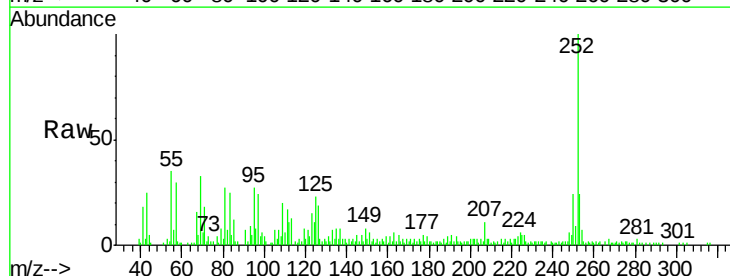
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

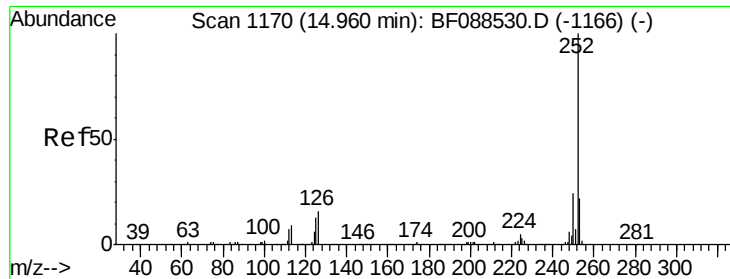
Tgt Ion:264 Resp: 282092
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.61 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion:252 Resp: 63798
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 22.6 7.1 10.7#

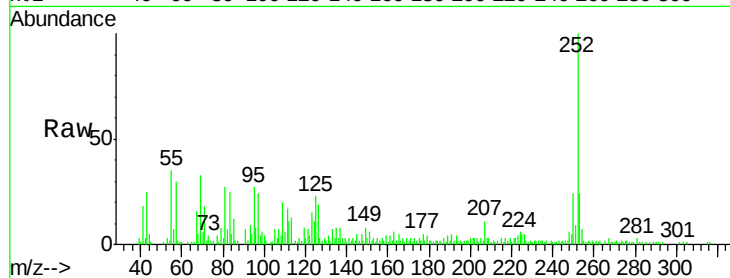




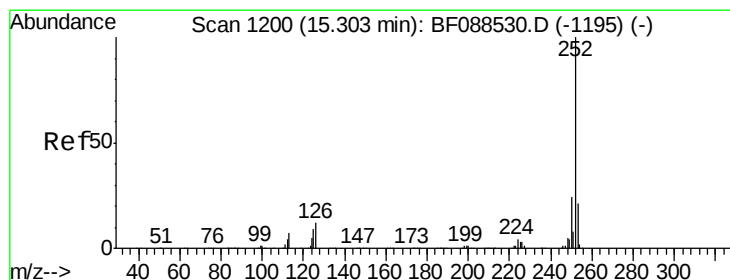
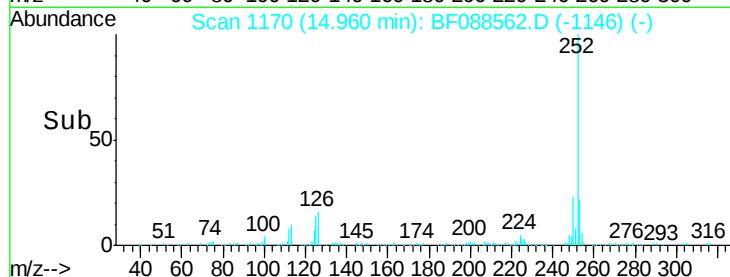
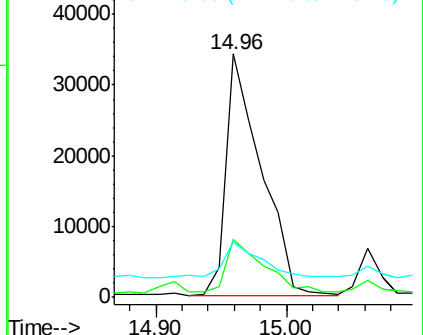
#88
Benzo(k)fluoranthene
Concen: 4.14 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	22.6	11.2	16.8#

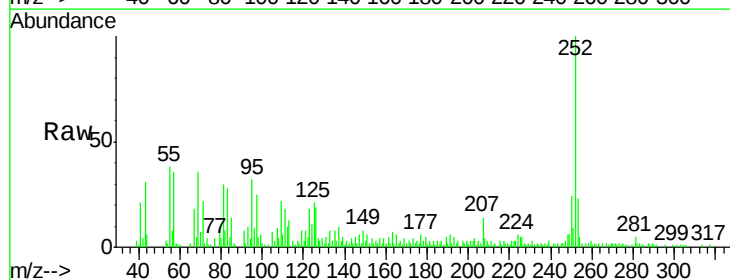


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.11 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	21.3	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

