

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088585.D
 Acq On : 1 Jul 2016 20:13
 Operator : UM/SJ
 Sample : H3836-08 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C1.1-01

Quant Time: Jul 02 02:17:36 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

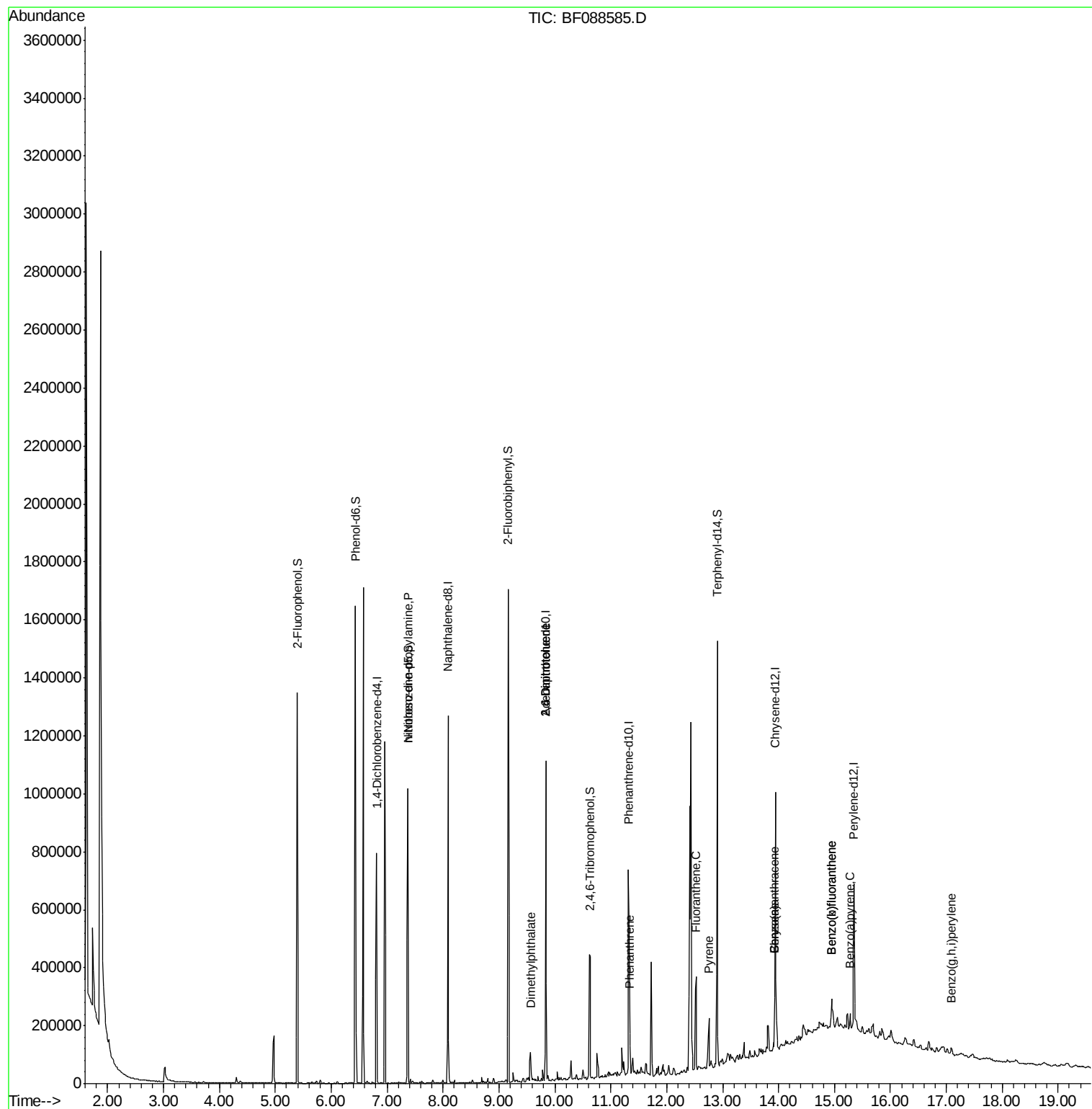
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132433	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	501264	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	209975	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	328977	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	262997	20.00	ng	-0.01
86) Perylene-d12	15.35	264	220545	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	389772	44.11	ng	-0.01
7) Phenol-d6	6.43	99	533108	46.69	ng	-0.01
23) Nitrobenzene-d5	7.37	82	379238	39.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	70391	36.10	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	556858	41.89	ng	-0.01
78) Terphenyl-d14	12.90	244	400015	33.88	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	49820	6.50	ng	# 70
49) Dimethylphthalate	9.56	163	48360	3.23	ng	99
50) 2,6-Dinitrotoluene	9.84	165	27635	8.34	ng	# 40
56) 2,4-Dinitrotoluene	9.84	165	27636	6.38	ng	# 38
70) Phenanthrene	11.34	178	66139	3.68	ng	99
74) Fluoranthene	12.53	202	97654	5.36	ng	97
77) Pyrene	12.75	202	76849	3.45	ng	98
80) Benzo(a)anthracene	13.93	228	43067	2.54	ng	95
82) Chrysene	13.93	228	43067	2.57	ng	98
87) Benzo(b)fluoranthene	14.95	252	61955	4.48	ng	# 86
88) Benzo(k)fluoranthene	14.95	252	61955	5.14	ng	# 92
89) Benzo(a)pyrene	15.28	252	25439	2.17	ng	# 84
91) Benzo(g,h,i)perylene	17.09	276	22150	2.19	ng	97

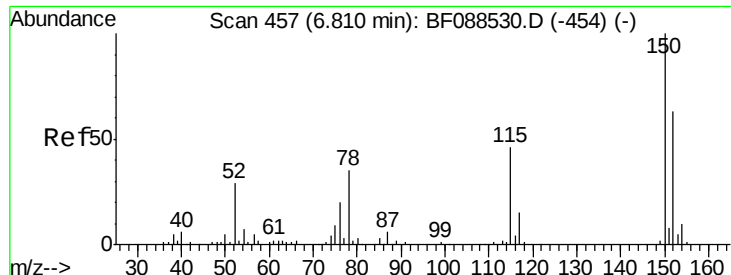
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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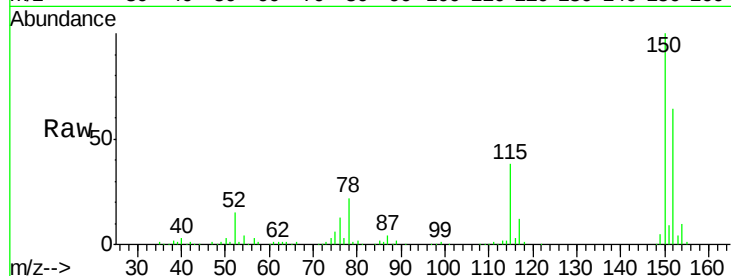


#1

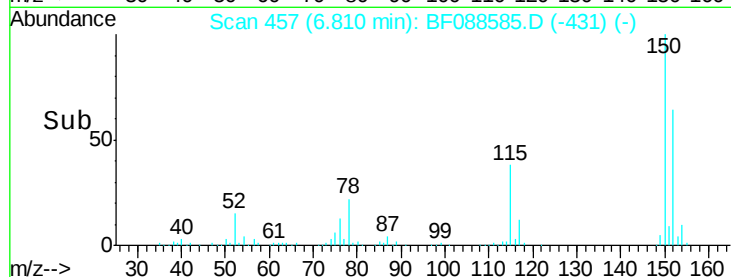
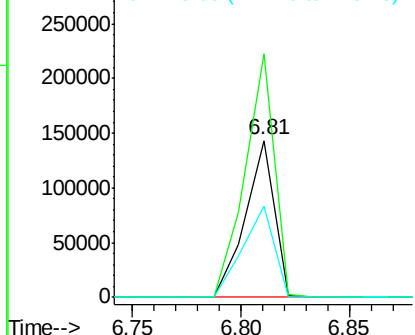
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Instrument :
BNA_F
ClientSampleId :
C1.1-01

Tgt Ion:152 Resp: 132433
Ion Ratio Lower Upper
152 100
150 155.3 123.8 185.6
115 58.5 39.6 59.4



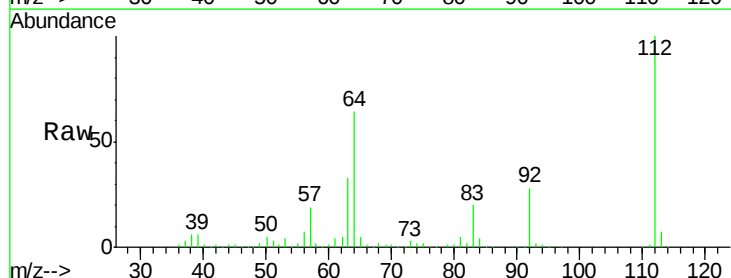
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



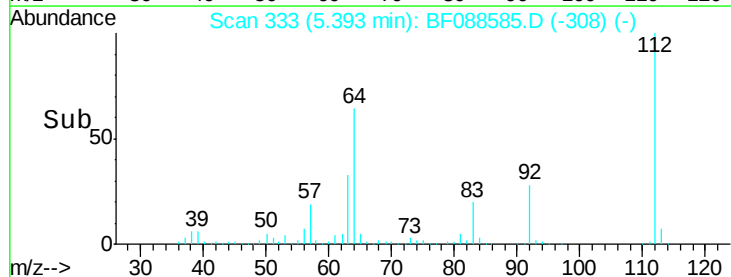
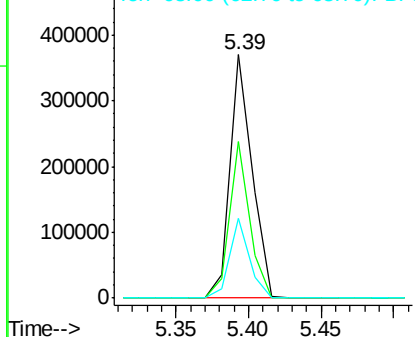
#5

2-Fluorophenol
Concen: 44.11 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion:112 Resp: 389772
Ion Ratio Lower Upper
112 100
64 64.3 42.2 63.2#
63 32.9 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: 46.69 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

C1.1-01

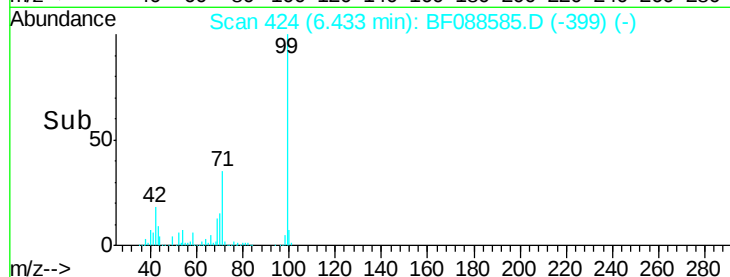
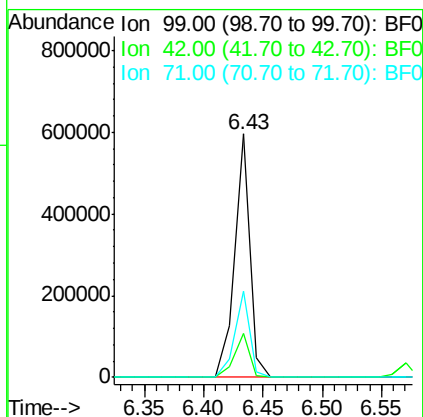
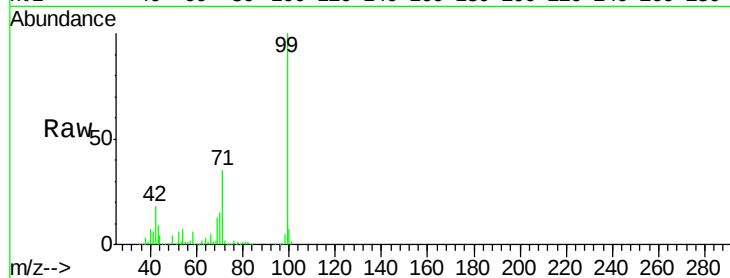
Tgt Ion: 99 Resp: 533108

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

71 35.5 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 6.50 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.14 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

Tgt Ion: 70 Resp: 49820

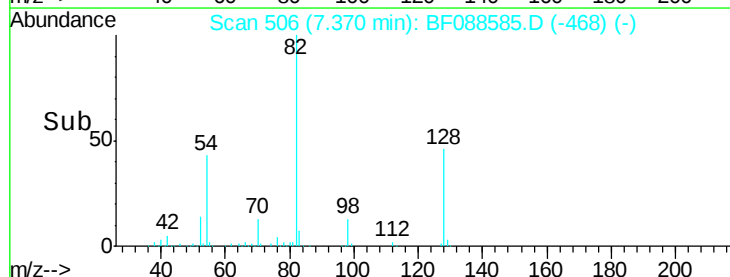
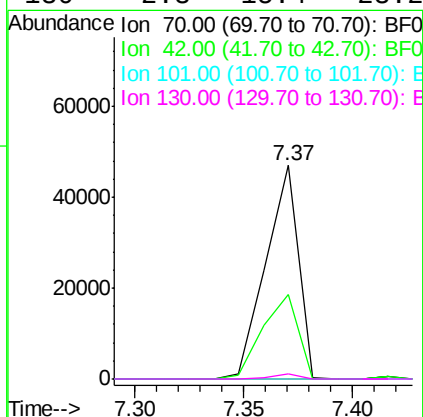
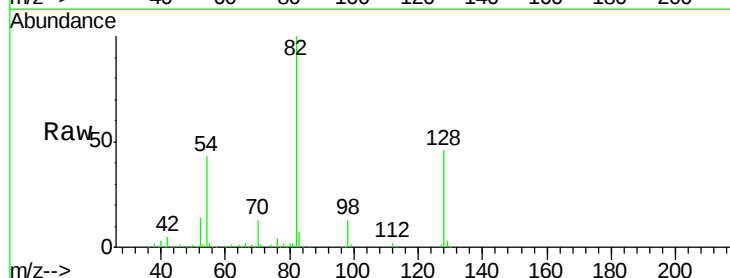
Ion Ratio Lower Upper

70 100

42 39.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

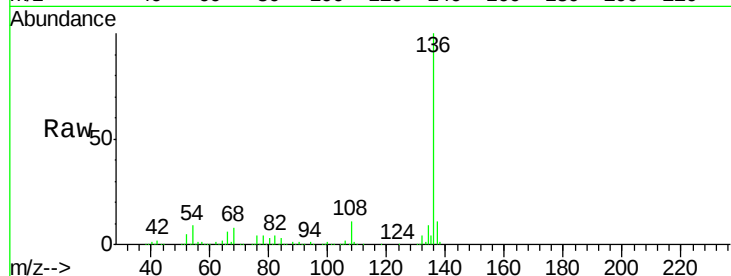




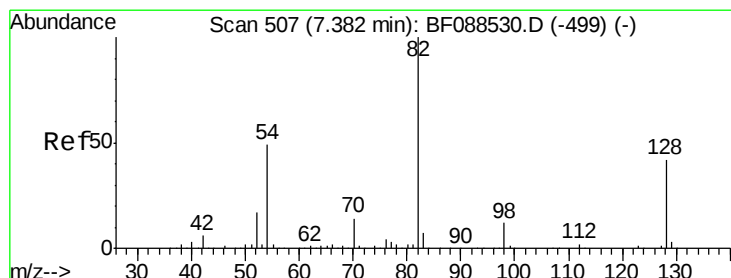
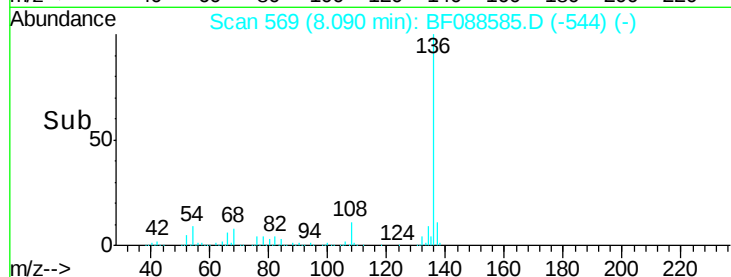
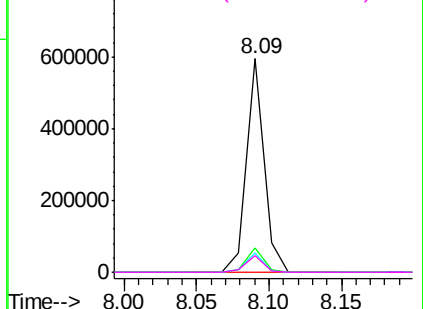
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Instrument :
BNA_F
ClientSampleId :
C1.1-01

Tgt Ion:	136	Resp:	501264
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.0	6.6	10.0
68	7.6	5.1	7.7

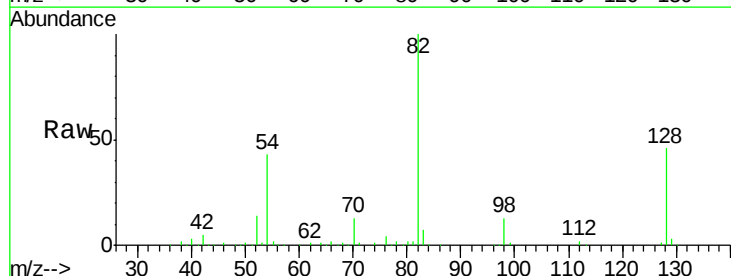


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

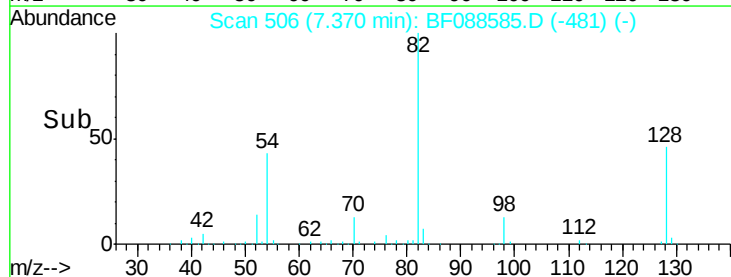
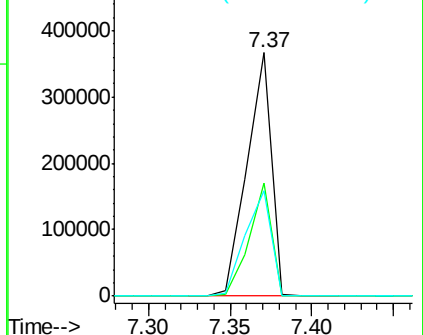


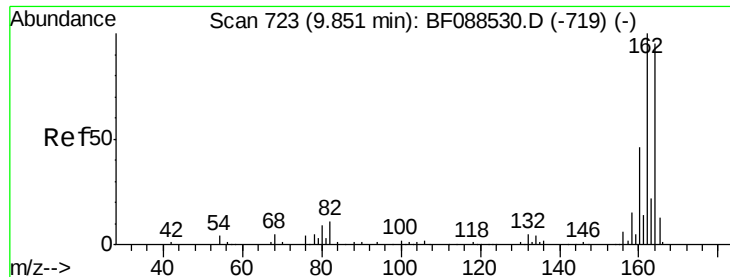
#23
Nitrobenzene-d5
Concen: 39.65 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion:	82	Resp:	379238
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.9	53.9
54	43.2	40.9	61.3



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

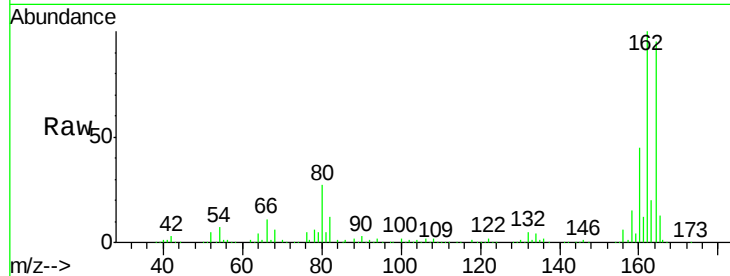




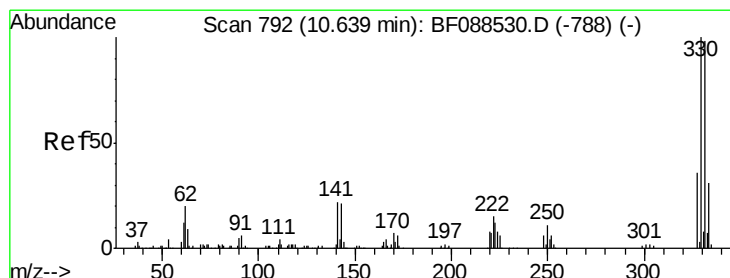
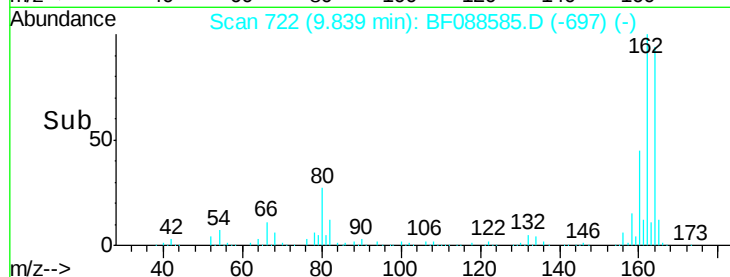
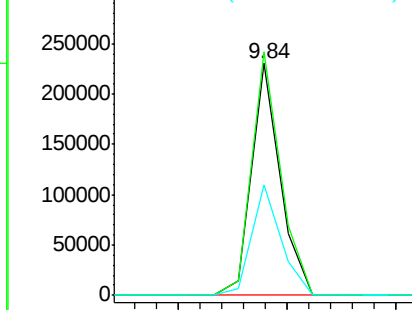
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Instrument :
BNA_F
ClientSampleId :
C1.1-01

Tgt Ion:164 Resp: 209975
Ion Ratio Lower Upper
164 100
162 105.0 85.4 128.2
160 47.5 39.5 59.3

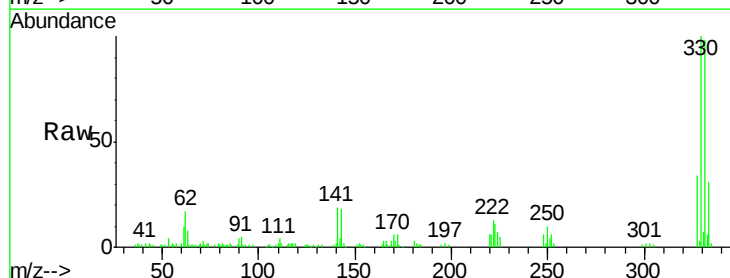


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

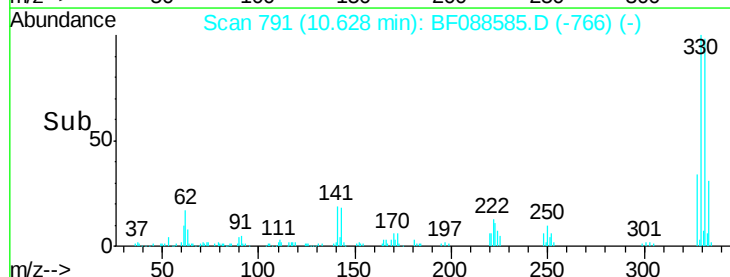
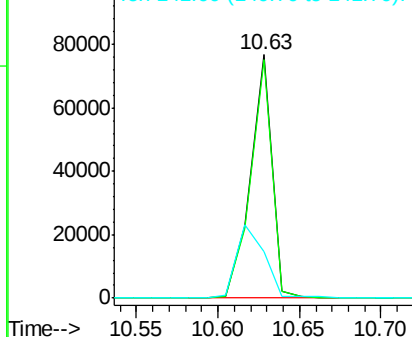


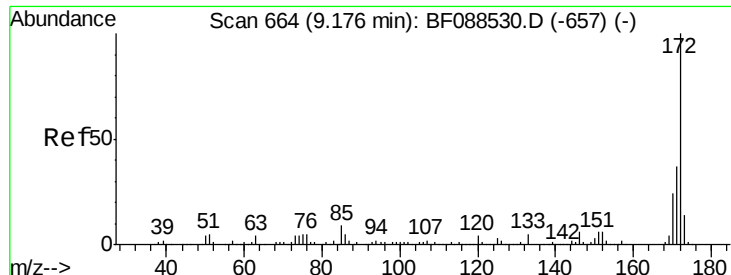
#41
2,4,6-Tribromophenol
Concen: 36.10 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion:330 Resp: 70391
Ion Ratio Lower Upper
330 100
332 97.6 0.0 0.0#
141 38.9 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

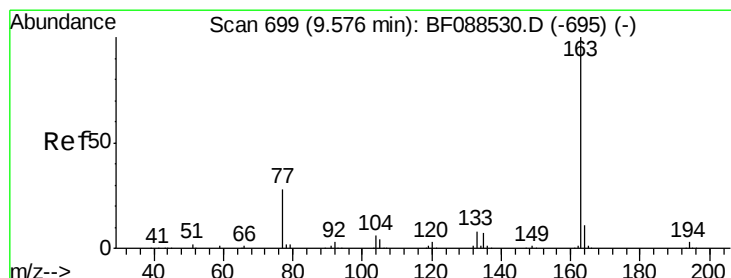
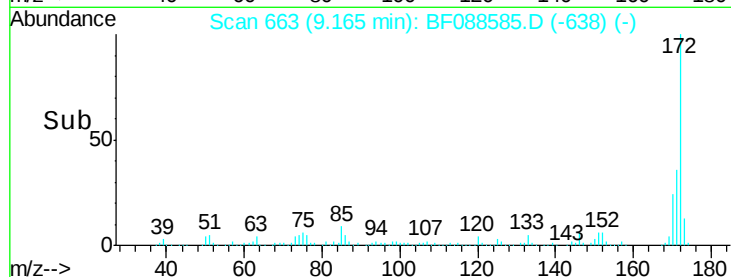
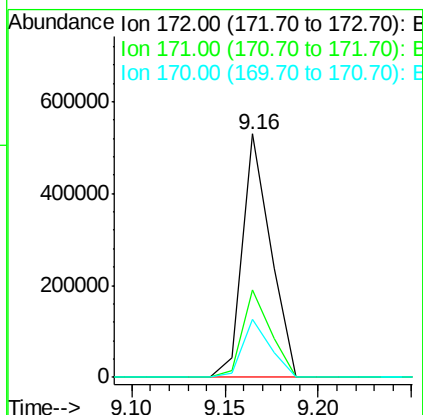
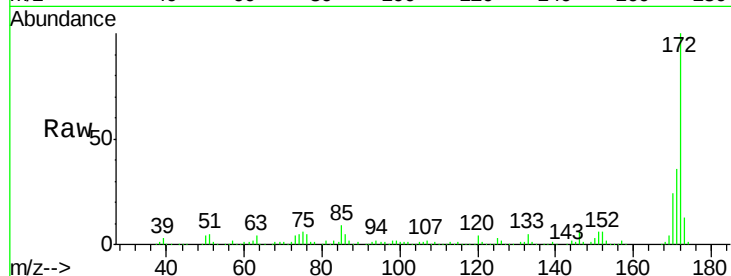




#44
2-Fluorobiphenyl
Concen: 41.89 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

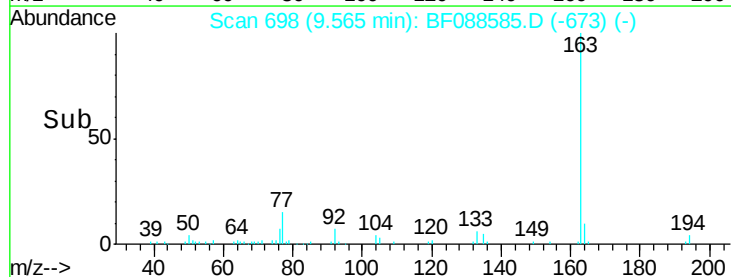
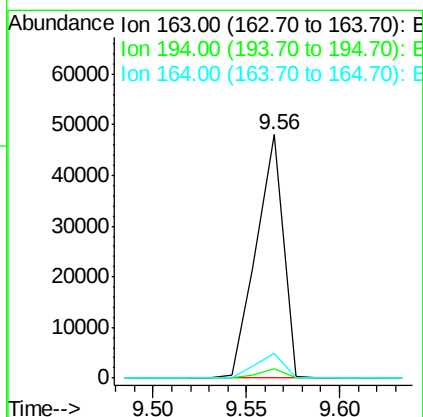
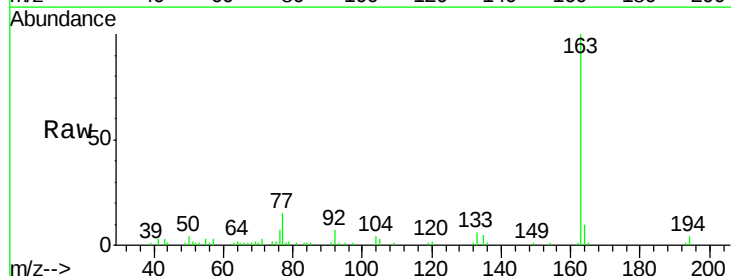
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C1.1-01

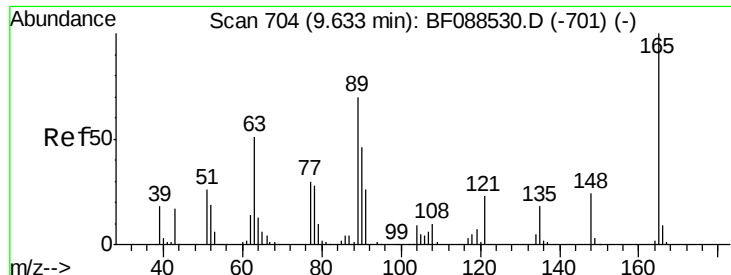
Tgt Ion:172 Resp: 556858
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.7 19.2 28.8



#49
Dimethylphthalate
Concen: 3.23 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion:163 Resp: 48360
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 10.0 8.3 12.5

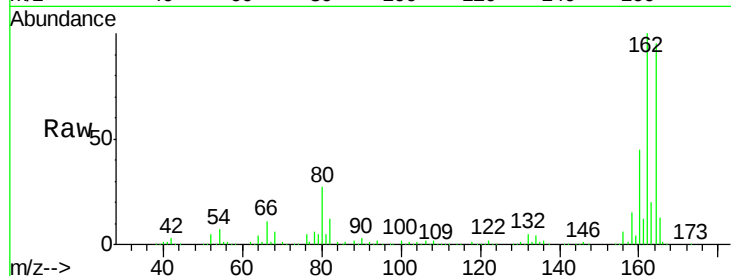




#50
 2,6-Dinitrotoluene
 Concen: 8.34 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.21 min
 Lab File: BF088585.D
 Acq: 1 Jul 2016 20:13

Instrument :
 BNA_F
 ClientSampleId :
 C1.1-01

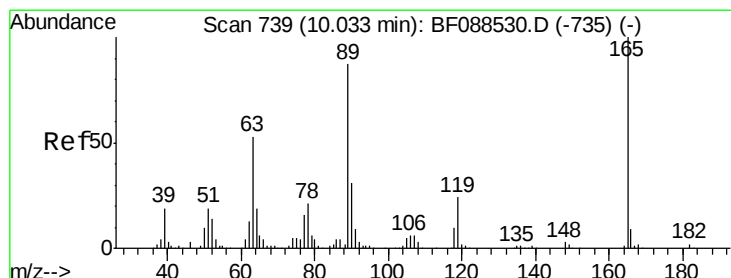
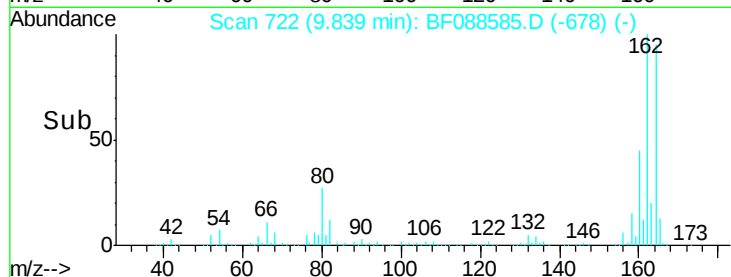
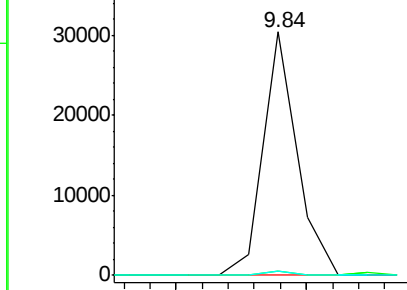
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	28.1	42.1#
89	1.8	32.2	48.2#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.19 min
 Lab File: BF088585.D
 Acq: 1 Jul 2016 20:13

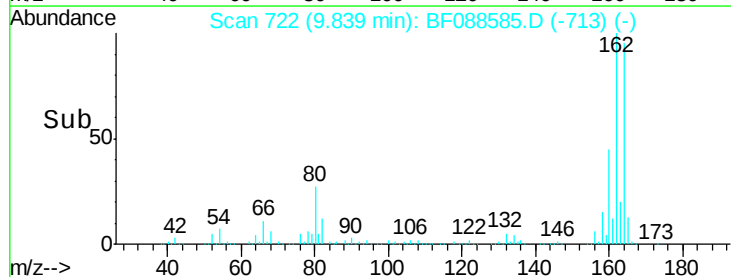
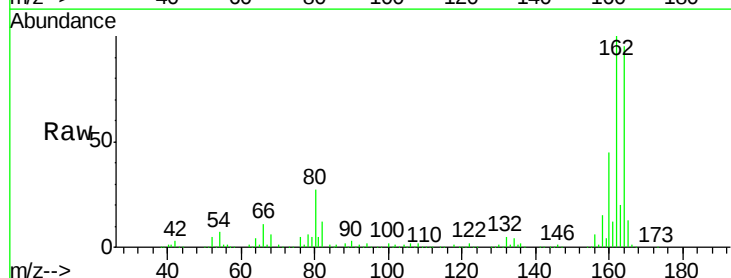
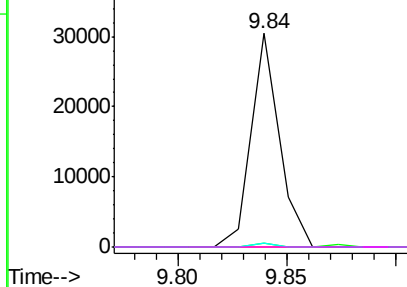
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#

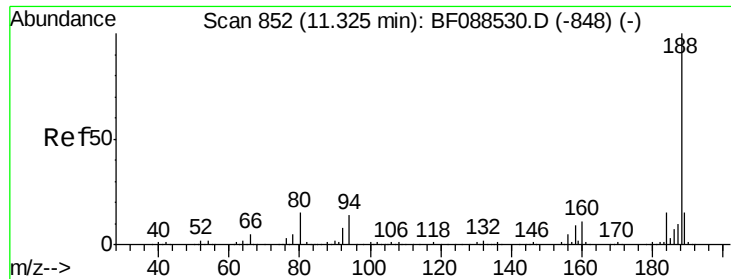
Abundance Ion 165.00 (164.70 to 165.70): E

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

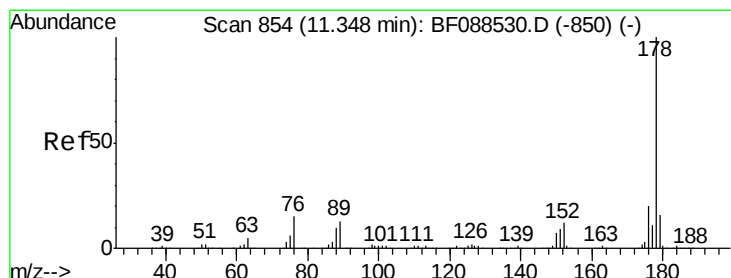
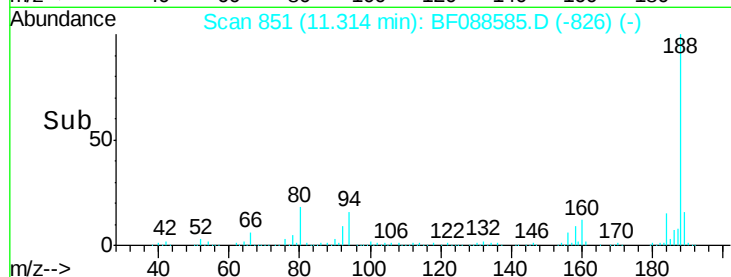
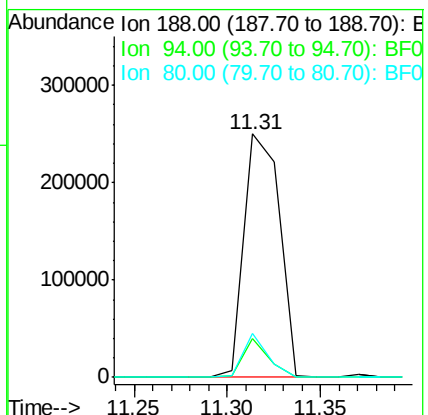
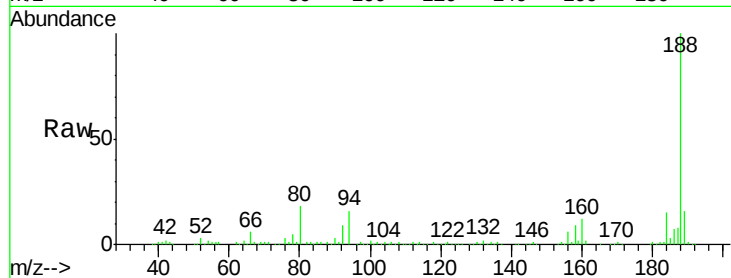




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

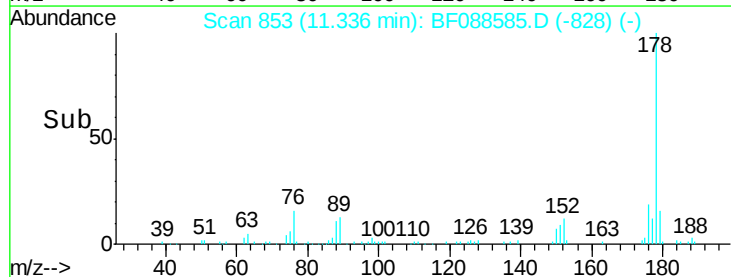
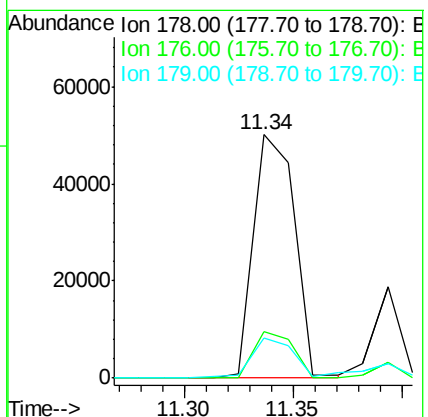
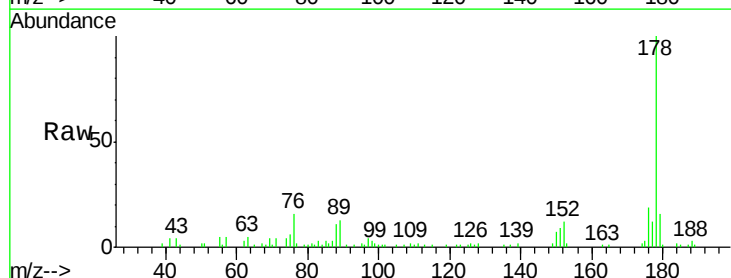
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C1.1-01

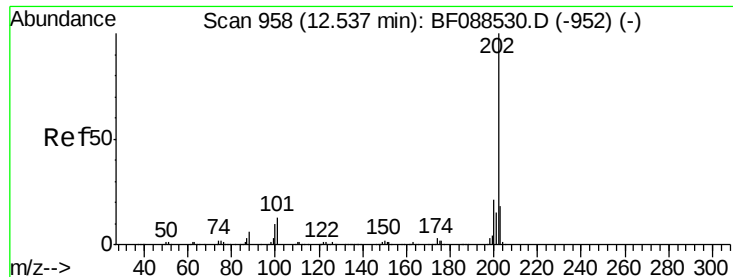
Tgt Ion:188 Resp: 328977
Ion Ratio Lower Upper
188 100
94 15.9 9.0 13.6#
80 18.1 10.0 15.0#



#70
Phenanthrene
Concen: 3.68 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion:178 Resp: 66139
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 16.4 13.0 19.4





#74

Fluoranthene

Concen: 5.36 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

C1.1-01

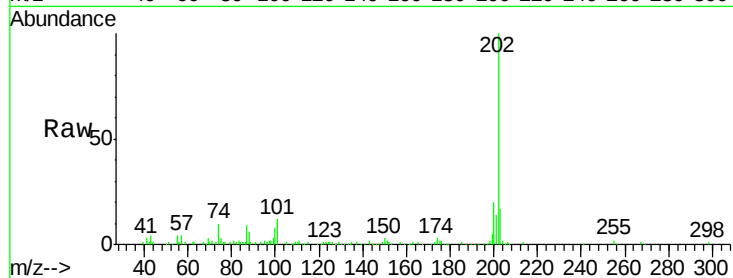
Tgt Ion:202 Resp: 97654

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.1

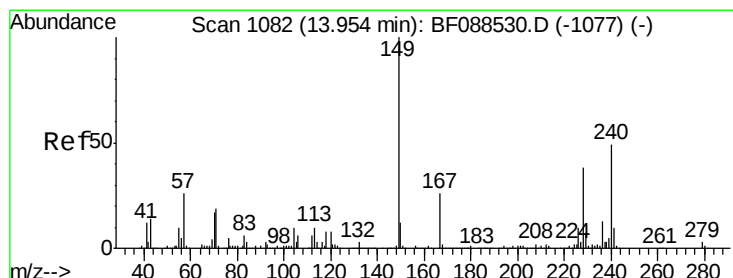
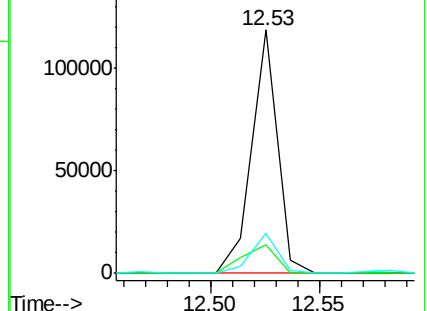
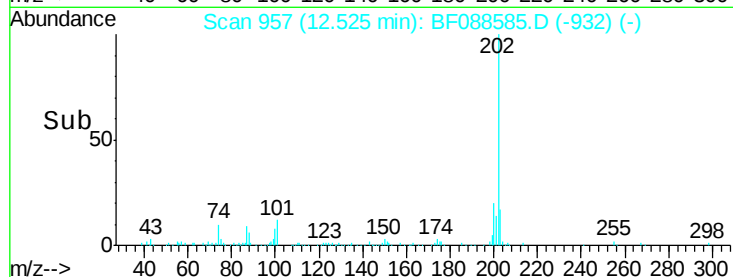
203 16.7 0.0 38.1



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: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

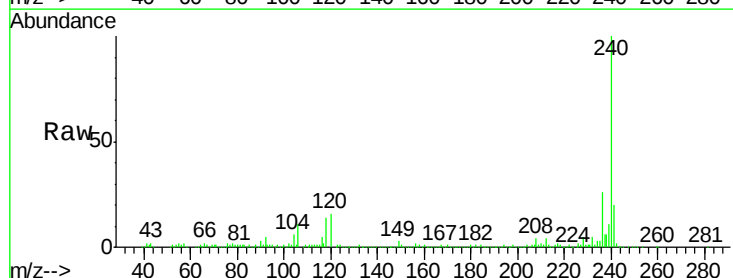
Tgt Ion:240 Resp: 262997

Ion Ratio Lower Upper

240 100

120 15.8 6.8 10.2#

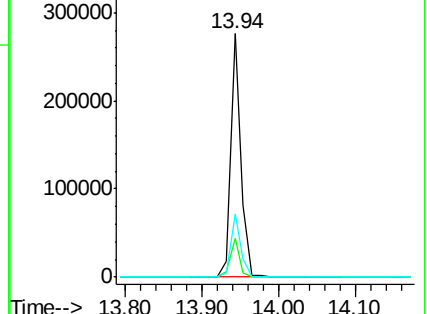
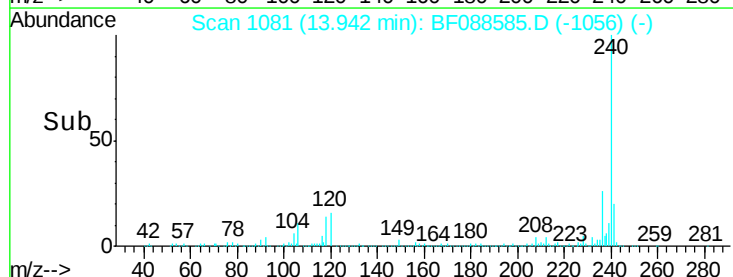
236 26.0 20.2 30.2

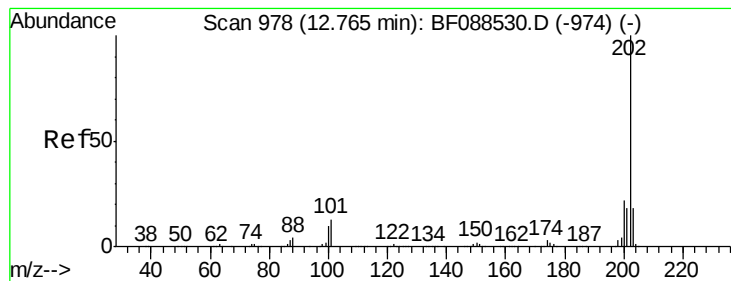


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.45 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

C1.1-01

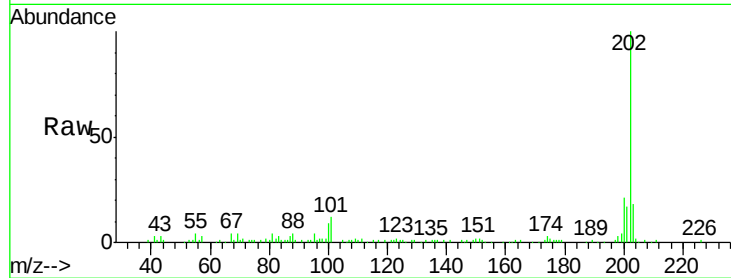
Tgt Ion: 202 Resp: 76849

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

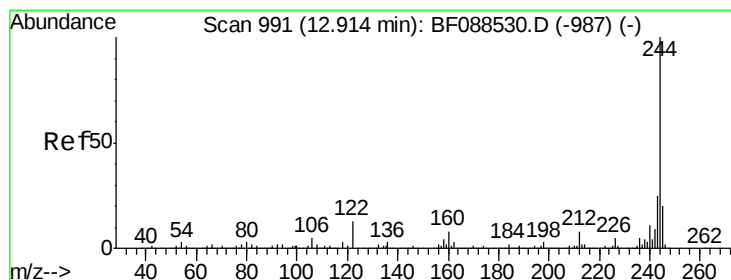
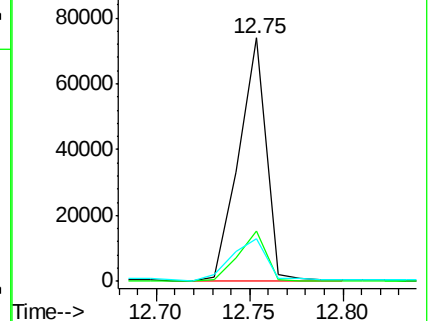
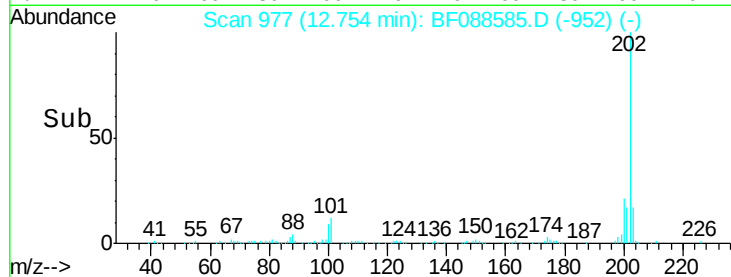
203 17.6 14.5 21.7



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: 33.88 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

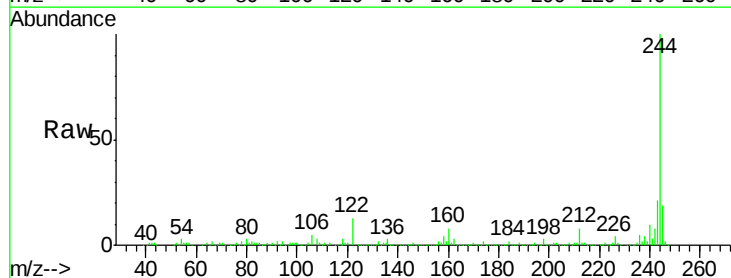
Tgt Ion: 244 Resp: 400015

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

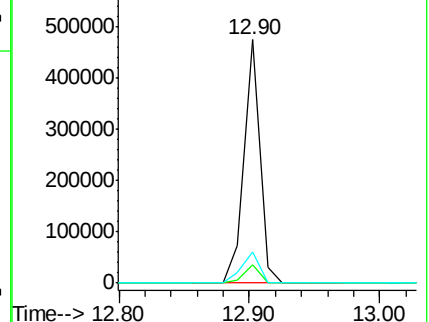
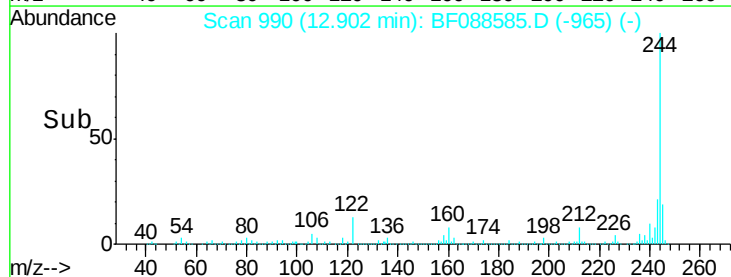
122 12.9 11.2 16.8

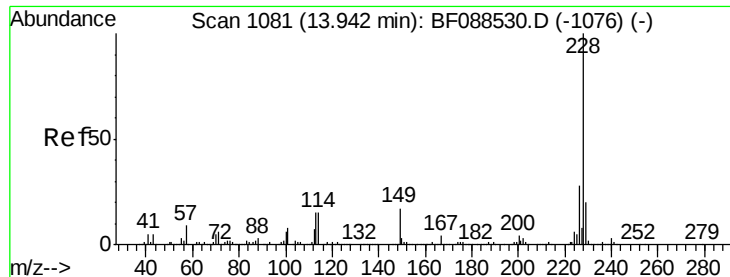


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

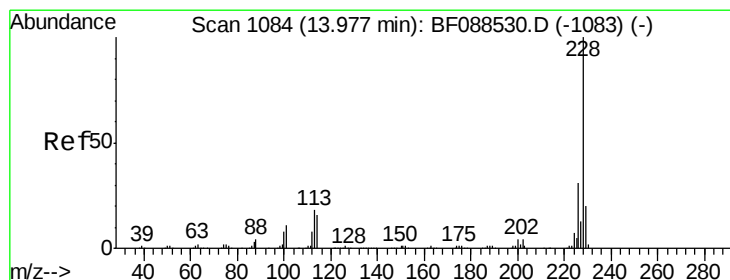
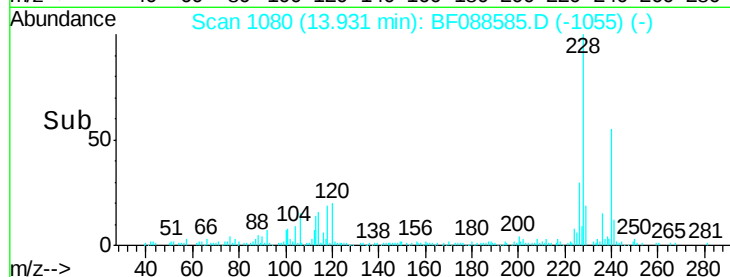
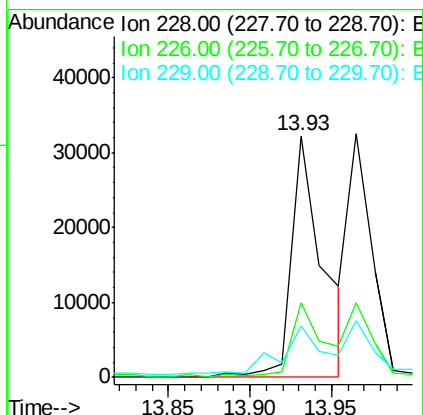
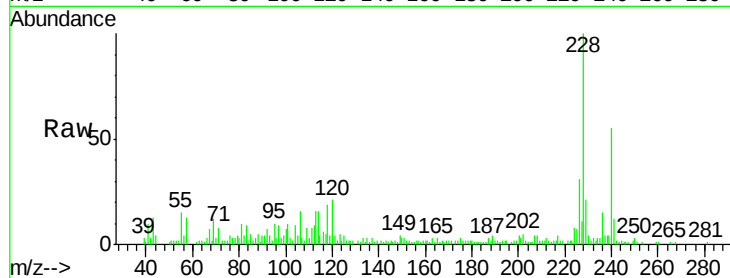




#80
Benzo(a)anthracene
Concen: 2.54 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

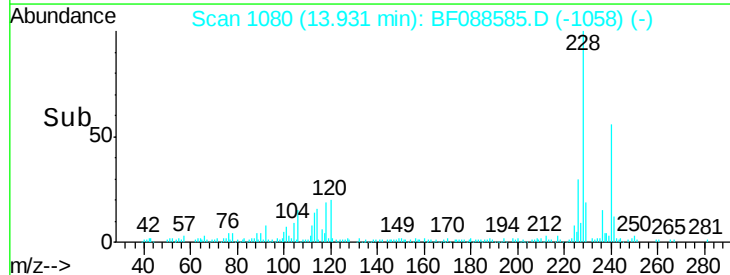
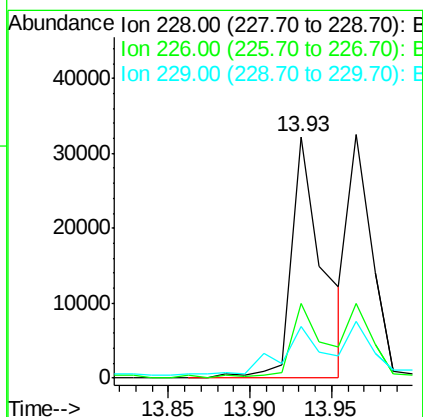
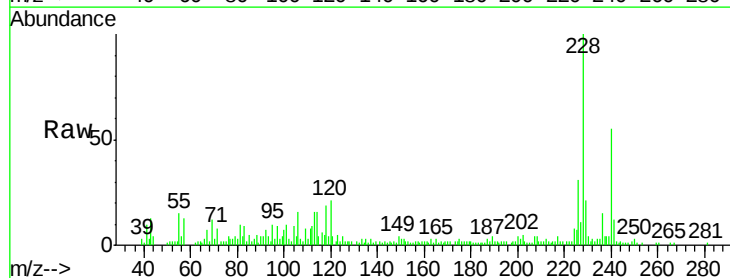
Instrument :
BNA_F
ClientSampleId :
C1.1-01

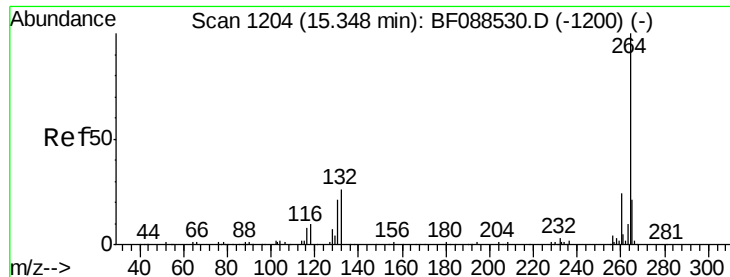
Tgt Ion:228 Resp: 43067
Ion Ratio Lower Upper
228 100
226 31.1 22.3 33.5
229 21.4 16.0 24.0



#82
Chrysene
Concen: 2.57 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.05 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion:228 Resp: 43067
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 21.4 16.3 24.5



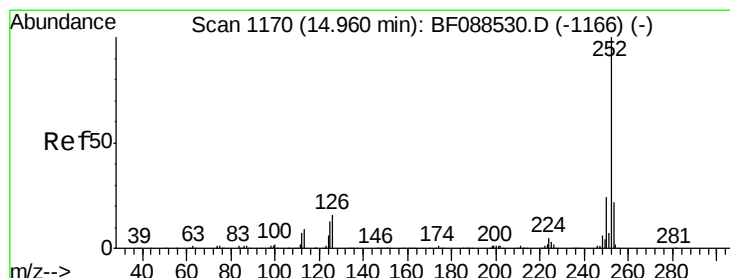
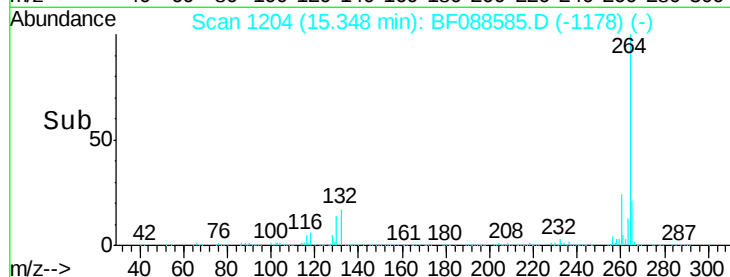
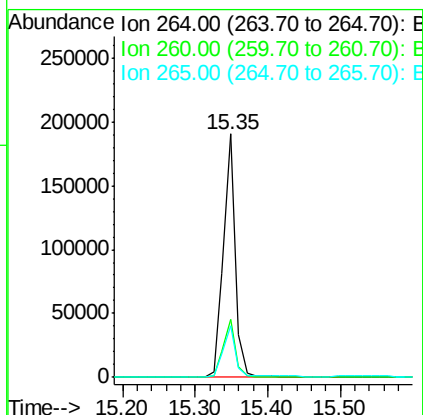
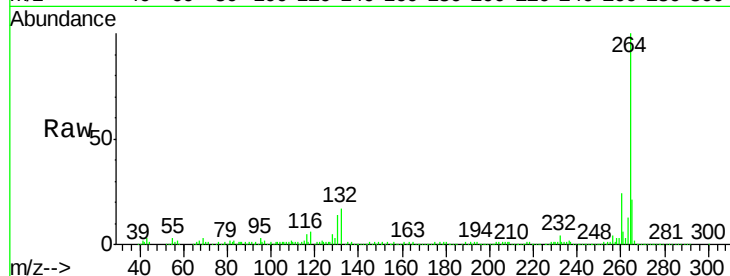


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Instrument :
BNA_F
ClientSampleId :
C1.1-01

Tgt Ion: 264 Resp: 220545

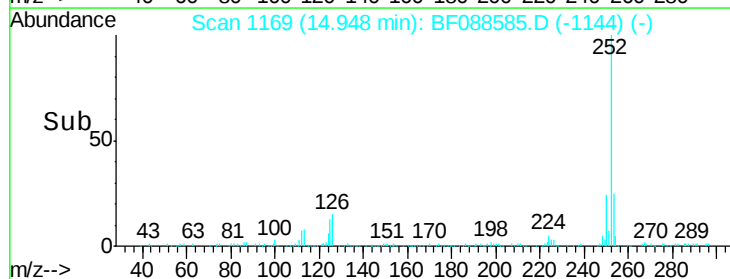
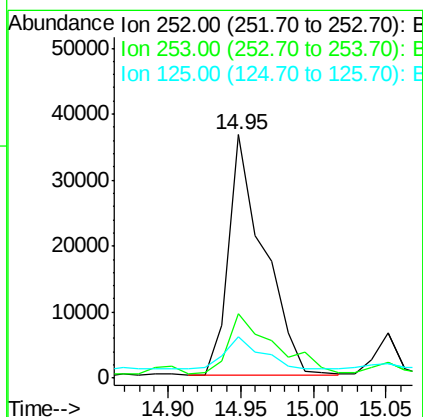
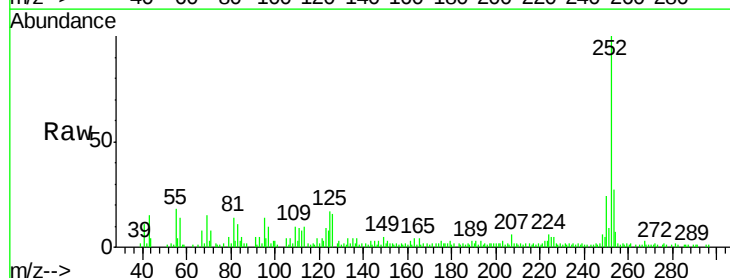
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	16.9	25.3

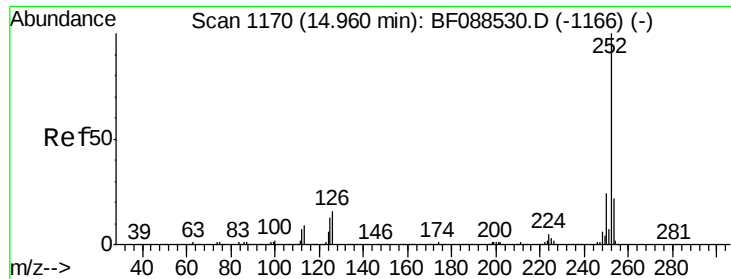


#87
Benzo(b)fluoranthene
Concen: 4.48 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion: 252 Resp: 61955

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.4	26.2#
125	17.2	7.1	10.7#

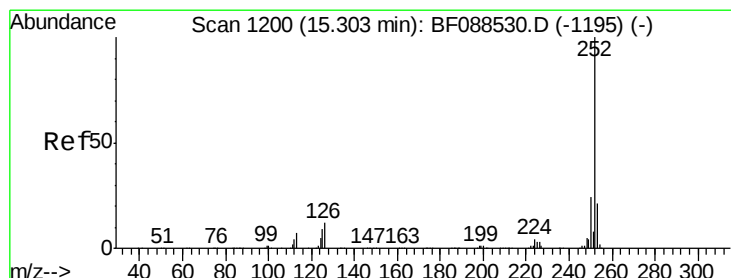
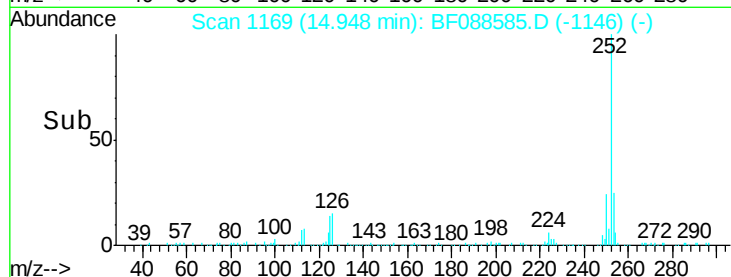
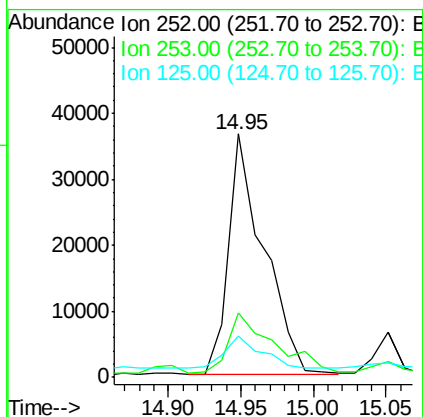
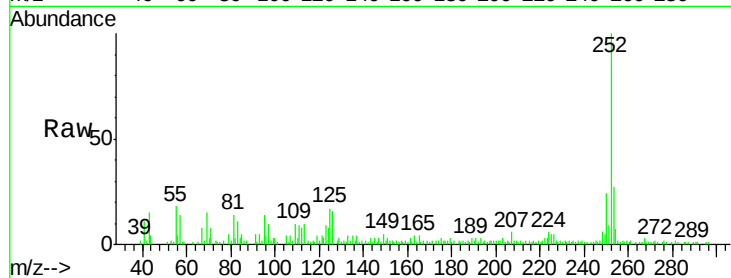




#88
Benzo(k)fluoranthene
Concen: 5.14 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

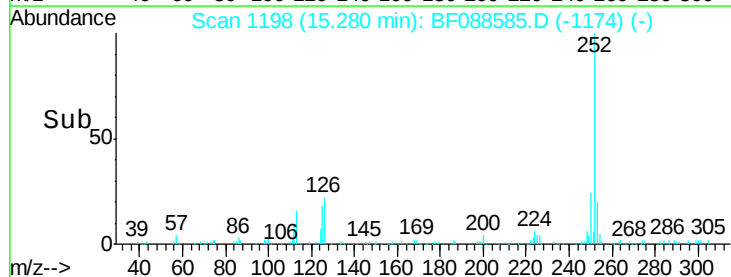
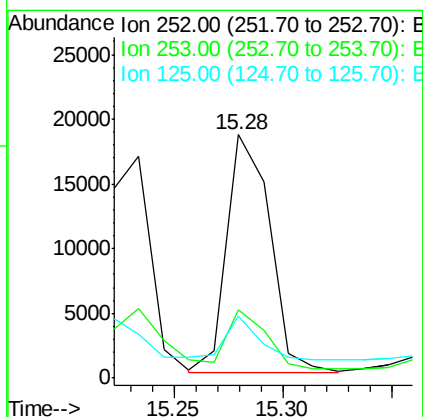
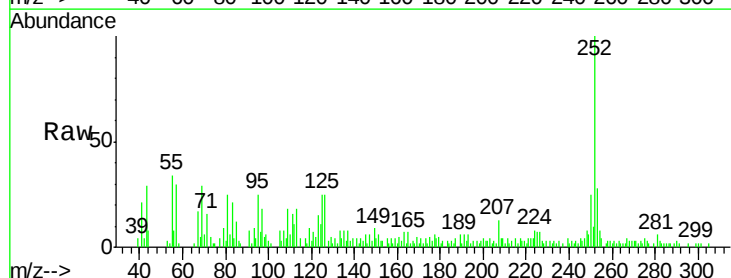
Instrument :
BNA_F
ClientSampleId :
C1.1-01

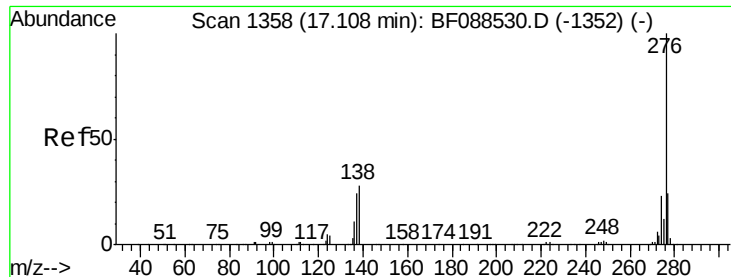
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.0	27.0
125	17.2	11.2	16.8#



#89
Benzo(a)pyrene
Concen: 2.17 ng
RT: 15.28 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF088585.D
Acq: 1 Jul 2016 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9#
125	25.4	12.5	18.7#





#91

Benzo(g,h,i)perylene

Concen: 2.19 ng

RT: 17.09 min Scan# 1356

Delta R.T. -0.02 min

Lab File: BF088585.D

Acq: 1 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

C1.1-01

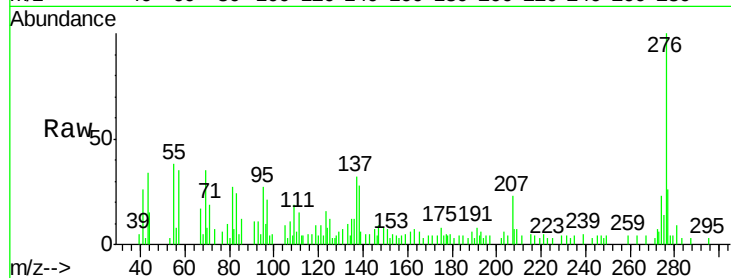
Tgt Ion: 276 Resp: 22150

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 27.9 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

