

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
 Data File : BF088797.D
 Acq On : 8 Jul 2016 00:05
 Operator : UM/SJ
 Sample : H3889-12 20X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Quant Time: Jul 08 01:45:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

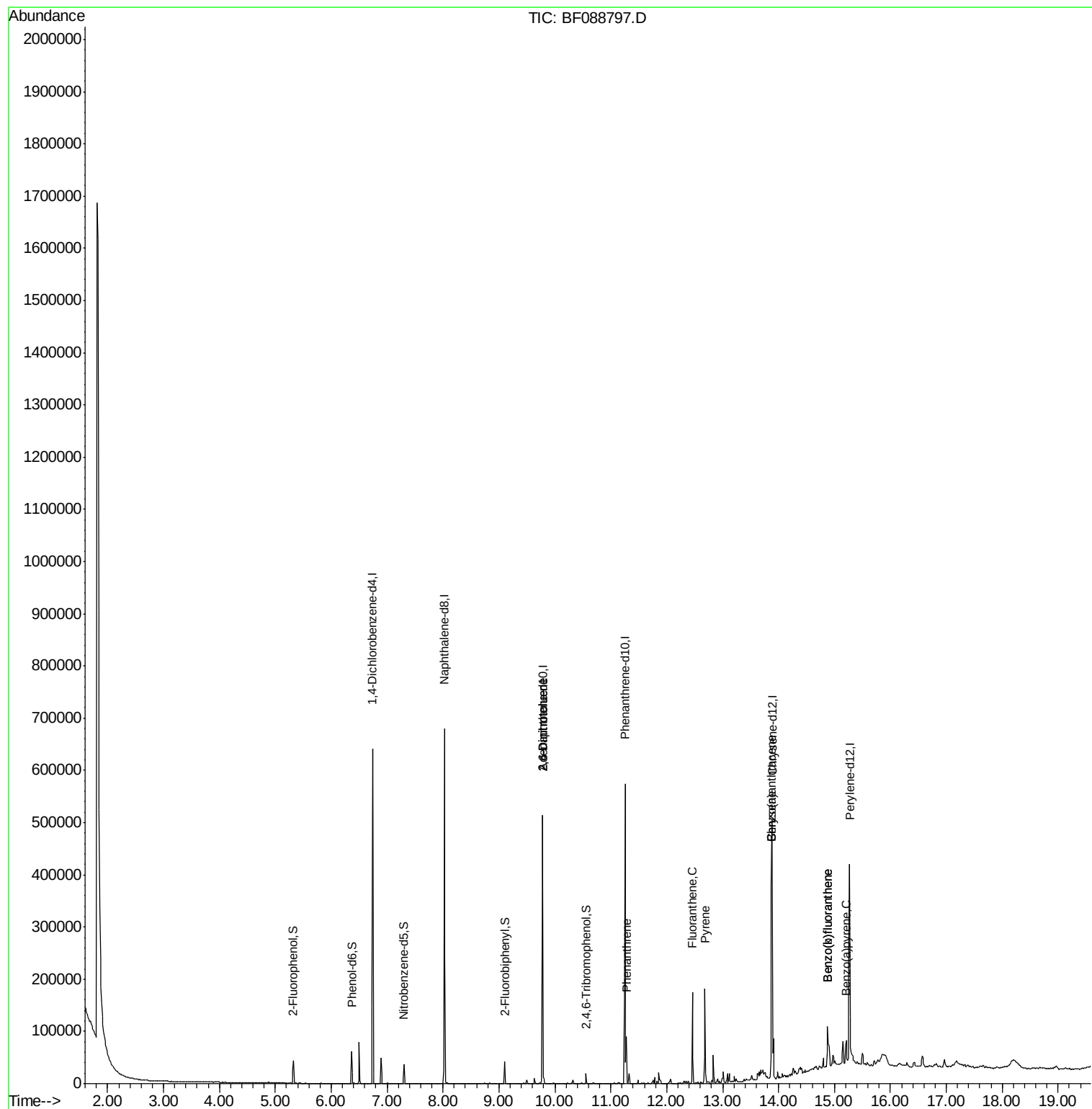
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	91998	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	322667	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	131929	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	208601	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	188416	20.00	ng	-0.03
86) Perylene-d12	15.27	264	151682	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	16872	2.75	ng	-0.05
7) Phenol-d6	6.36	99	23506	2.96	ng	-0.05
23) Nitrobenzene-d5	7.30	82	13086	2.13	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	2797	2.28	ng	-0.05
44) 2-Fluorobiphenyl	9.11	172	22516	2.70	ng	-0.03
78) Terphenyl-d14	12.83	244	15790	1.87	ng	-0.03
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.78	165	16431	7.89	ng	# 37
56) 2,4-Dinitrotoluene	9.78	165	16431	6.03	ng	# 36
70) Phenanthrene	11.28	178	34267	3.01	ng	96
74) Fluoranthene	12.46	202	68373	5.91	ng	96
77) Pyrene	12.69	202	67563	4.23	ng	98
80) Benzo(a)anthracene	13.87	228	31757	2.62	ng	96
82) Chrysene	13.87	228	31757	2.65	ng	98
87) Benzo(b)fluoranthene	14.88	252	47708	5.01	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	47708	5.76	ng	99
89) Benzo(a)pyrene	15.21	252	24456	3.04	ng	97

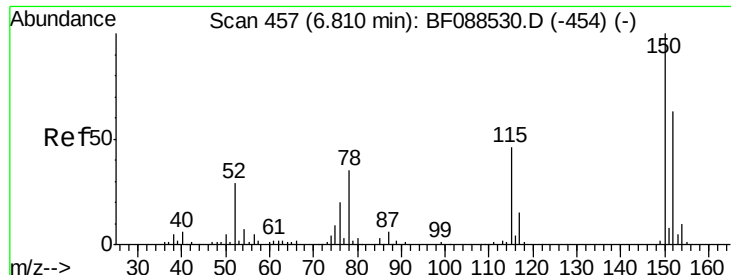
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Instrument :

BNA_F

ClientSampled :

SS-12

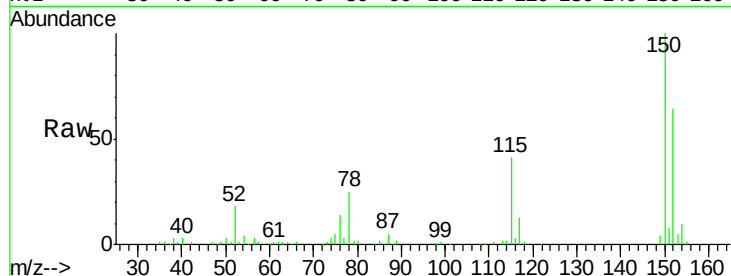
Tgt Ion:152 Resp: 91998

Ion Ratio Lower Upper

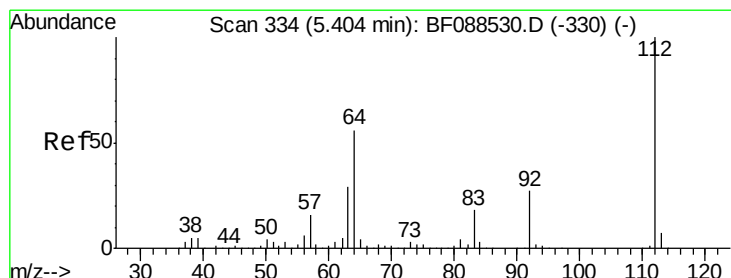
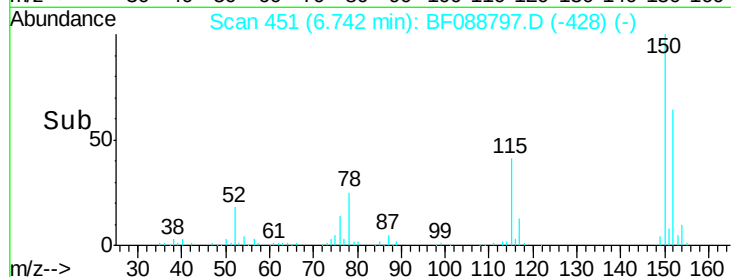
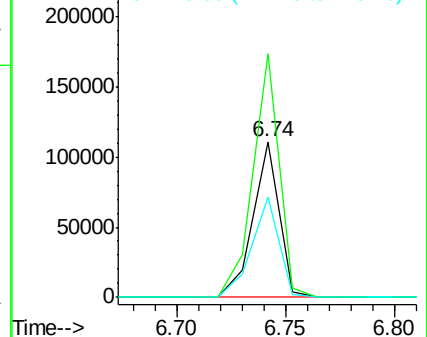
152 100

150 156.5 123.8 185.6

115 64.3 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: 2.75 ng

RT: 5.32 min Scan# 327

Delta R.T. -0.05 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

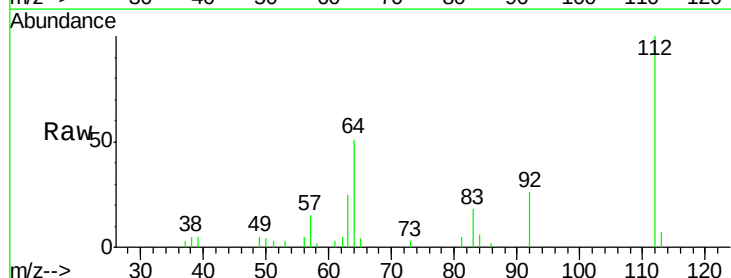
Tgt Ion:112 Resp: 16872

Ion Ratio Lower Upper

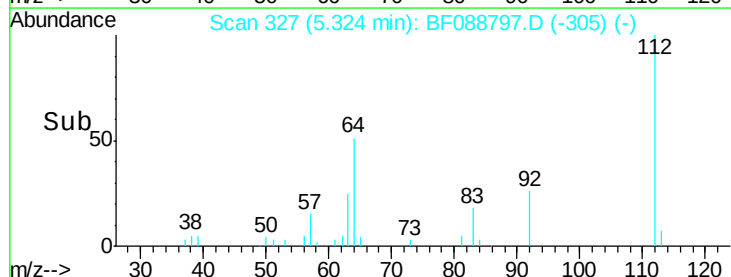
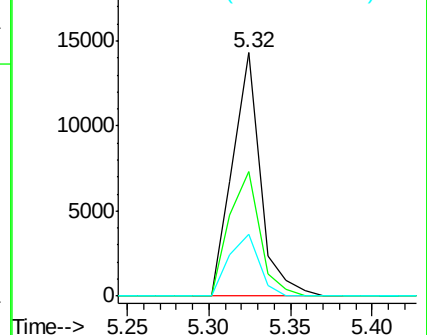
112 100

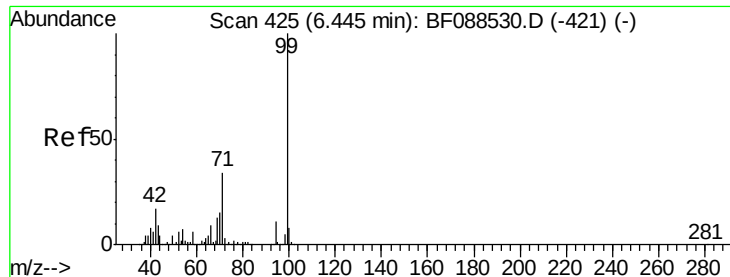
64 51.2 42.2 63.2

63 25.5 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: 2.96 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.05 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SS-12

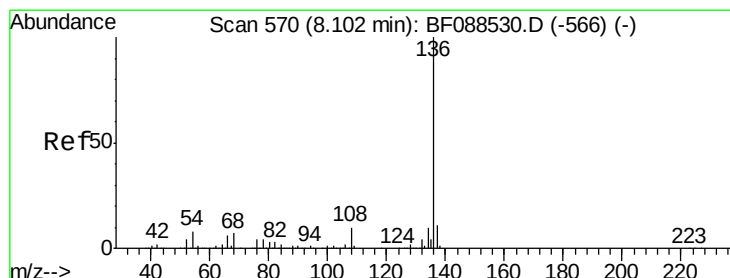
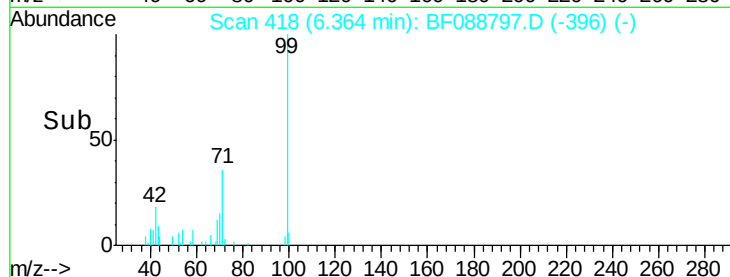
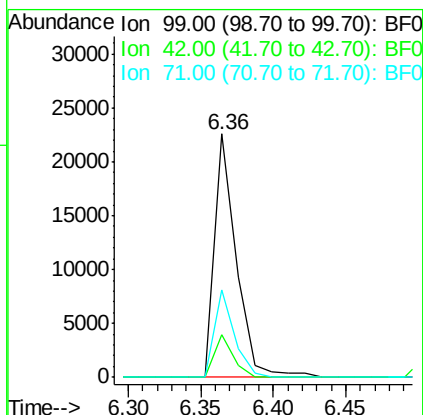
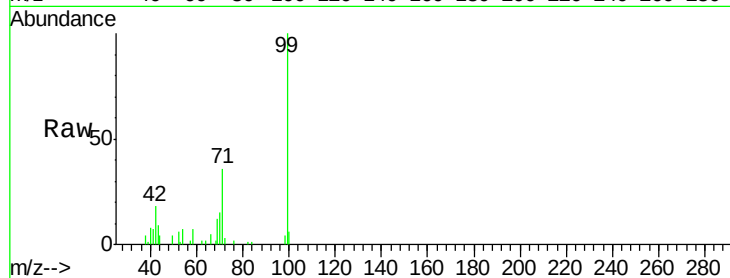
Tgt Ion: 99 Resp: 23506

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 35.9 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Tgt Ion: 136 Resp: 322667

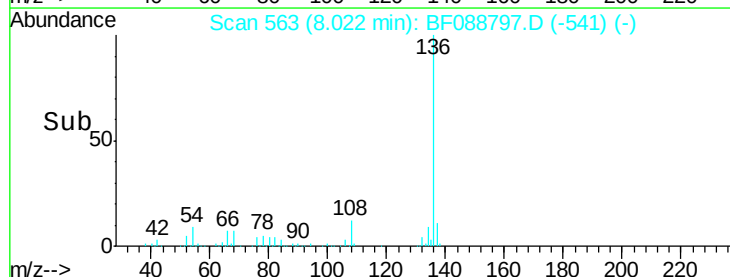
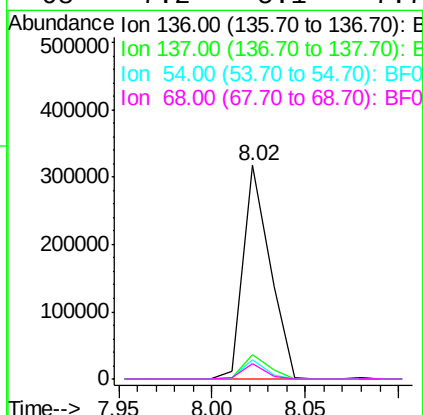
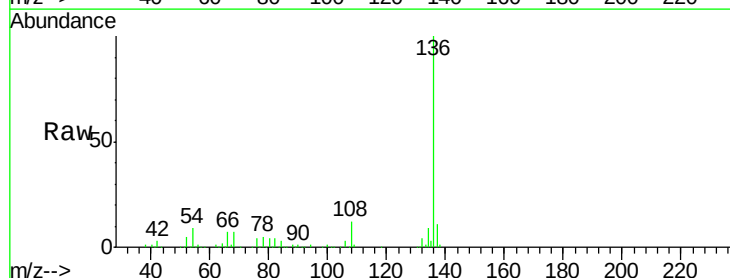
Ion Ratio Lower Upper

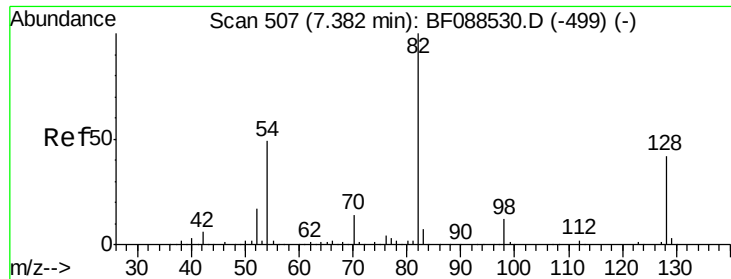
136 100

137 11.1 9.1 13.7

54 9.2 6.6 10.0

68 7.2 5.1 7.7

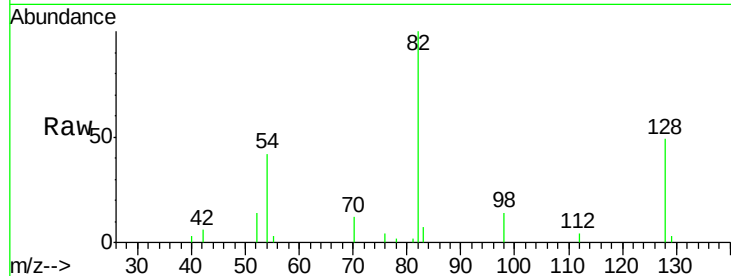




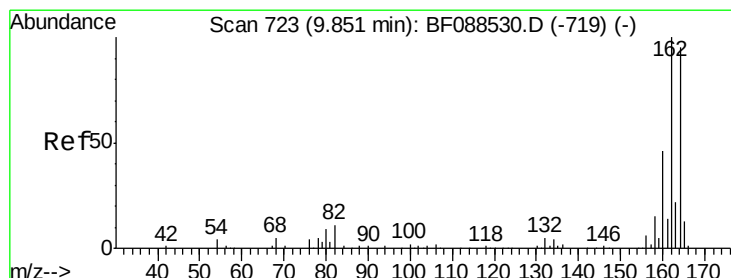
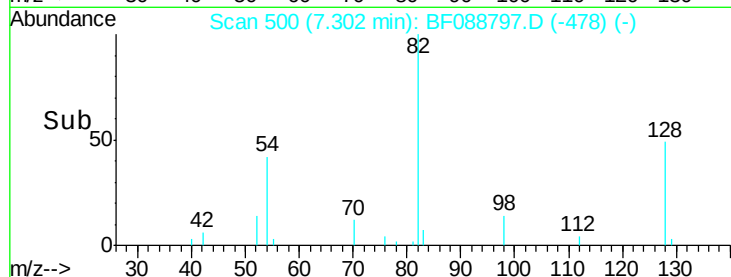
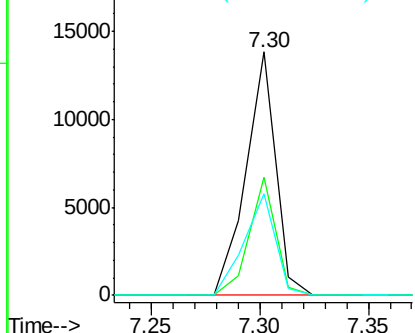
#23
 Nitrobenzene-d5
 Concen: 2.13 ng
 RT: 7.30 min Scan# 500
 Delta R.T. -0.05 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Tgt Ion: 82 Resp: 13086
 Ion Ratio Lower Upper
 82 100
 128 48.6 35.9 53.9
 54 41.8 40.9 61.3

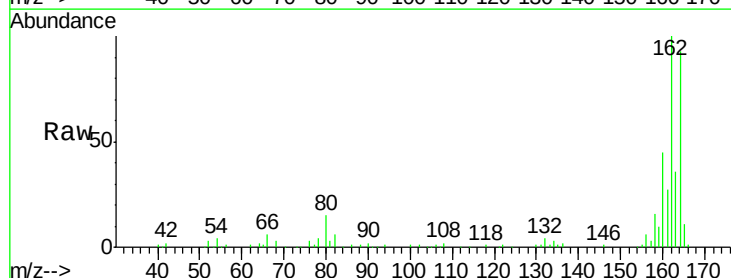


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

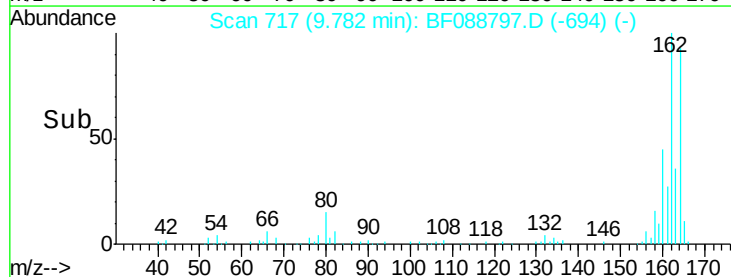
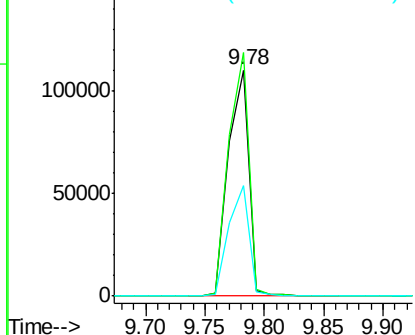


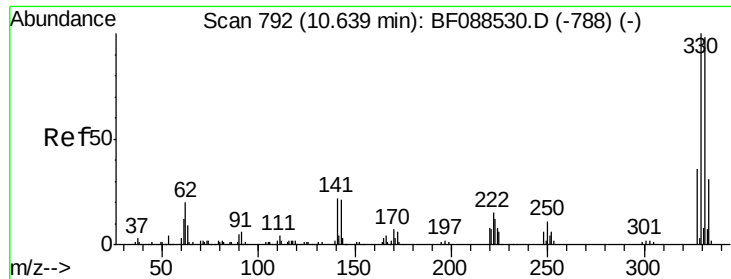
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.03 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Tgt Ion: 164 Resp: 131929
 Ion Ratio Lower Upper
 164 100
 162 107.6 85.4 128.2
 160 48.7 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

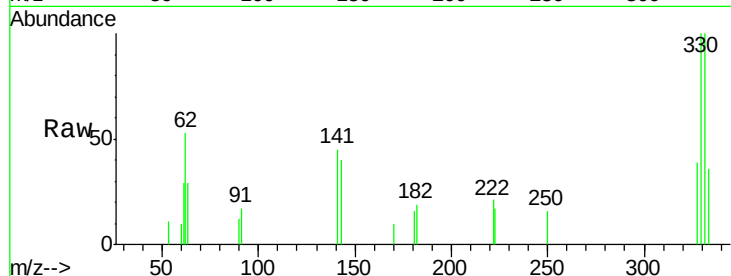




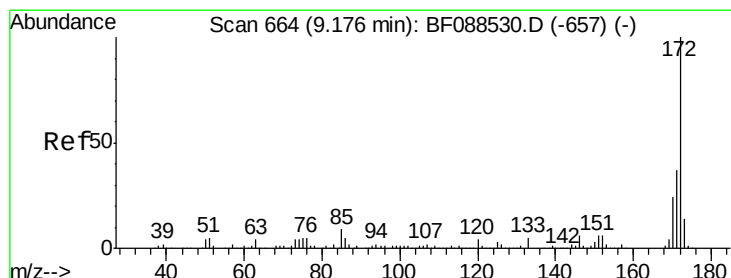
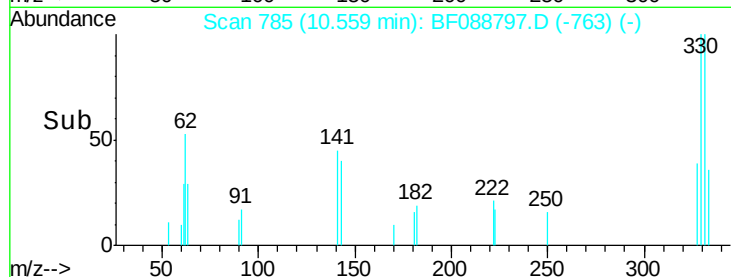
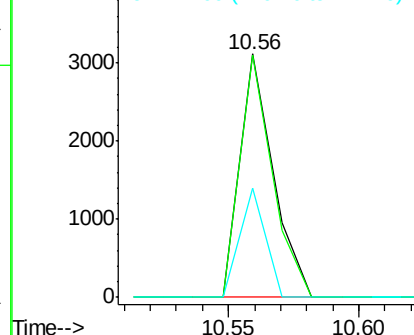
#41
 2,4,6-Tribromophenol
 Concen: 2.28 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.05 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
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 ClientSampleId :
 SS-12

Tgt Ion: 330 Resp: 2797
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 34.1 0.0 0.0#

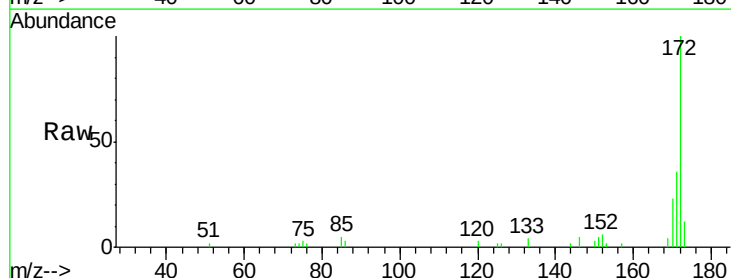


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

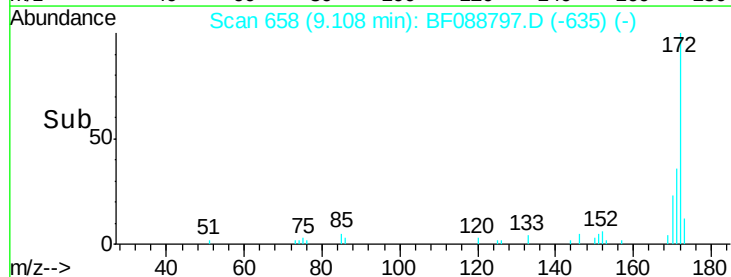
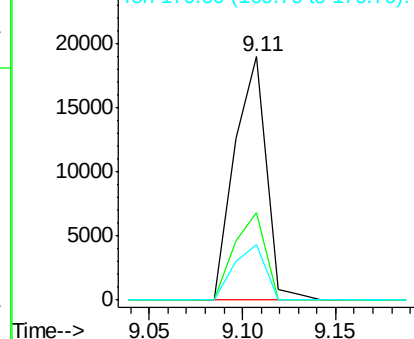


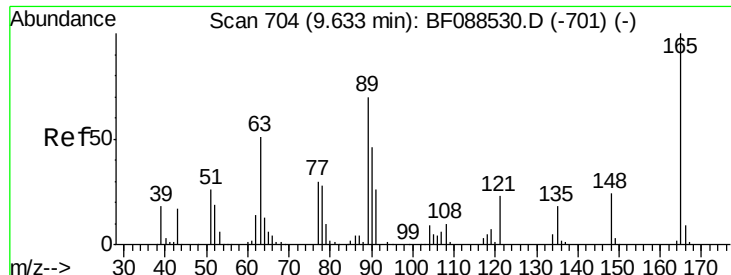
#44
 2-Fluorobiphenyl
 Concen: 2.70 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.03 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Tgt Ion: 172 Resp: 22516
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 22.6 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

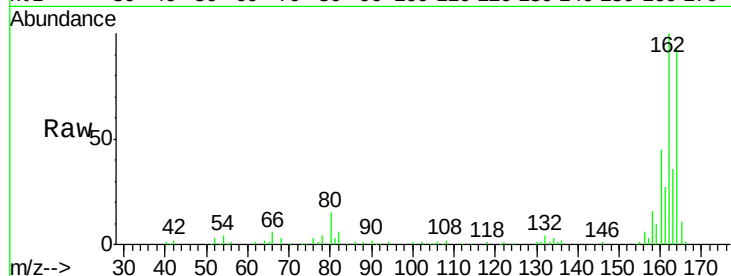




#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 9.78 min Scan# 717
 Delta R.T. 0.18 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

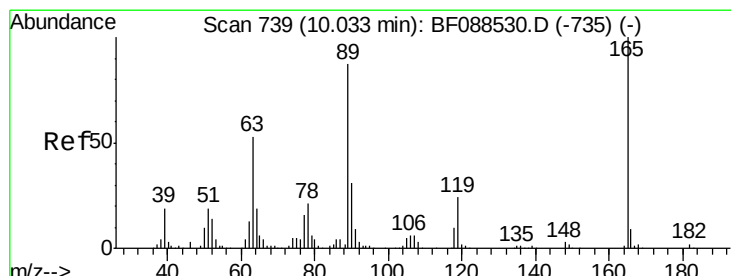
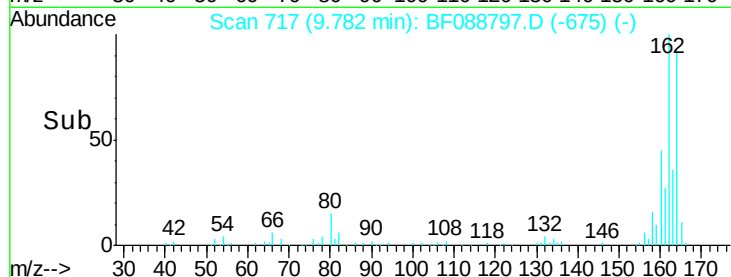
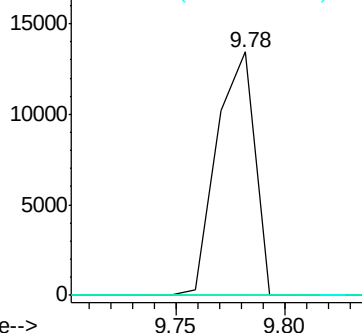
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 6.03 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.22 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

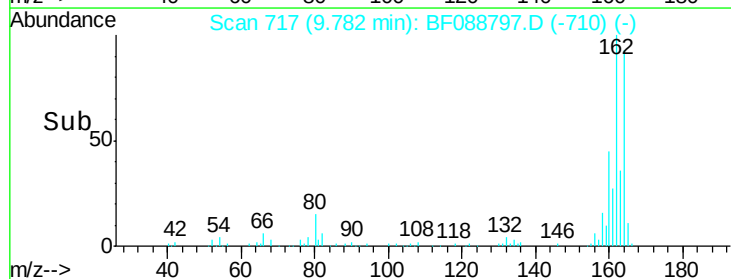
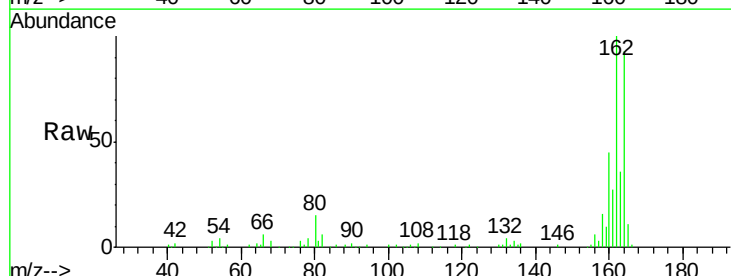
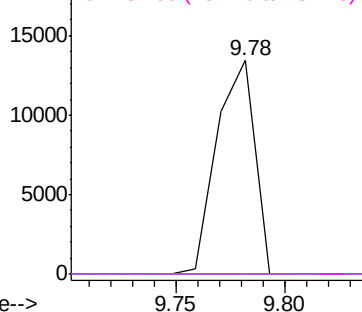
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

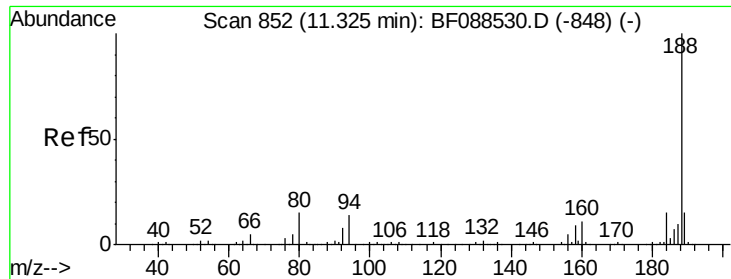
Abundance Ion 165.00 (164.70 to 165.70): E

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

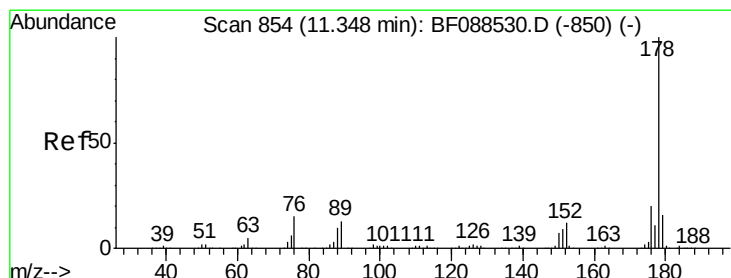
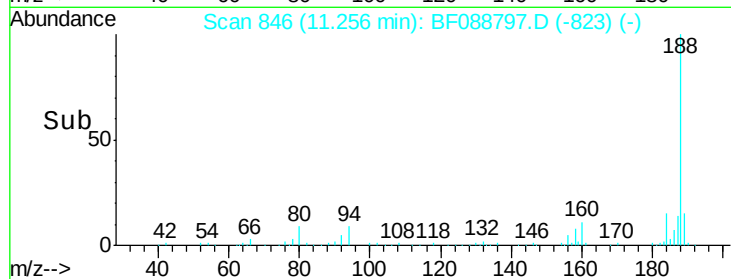
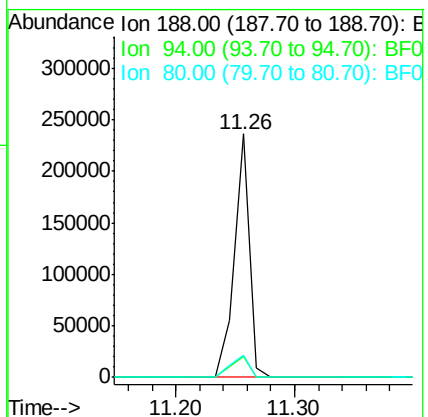
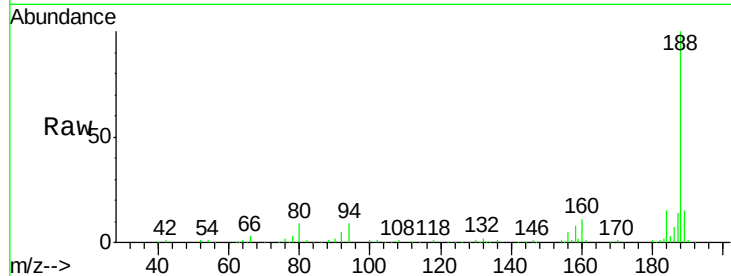




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

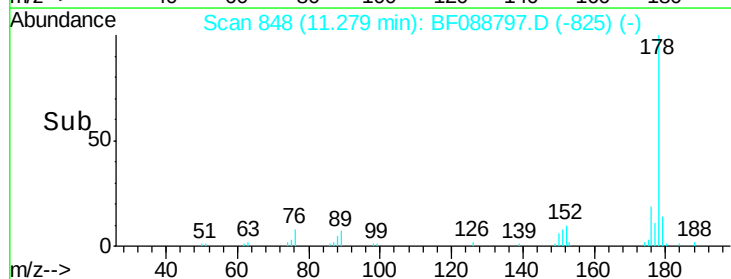
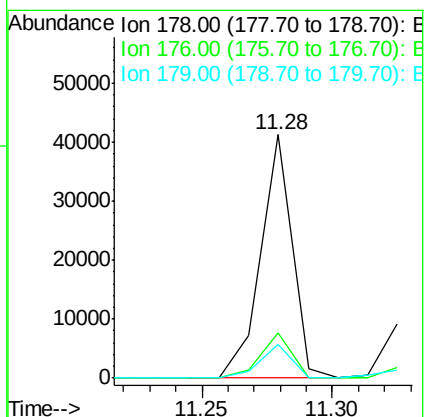
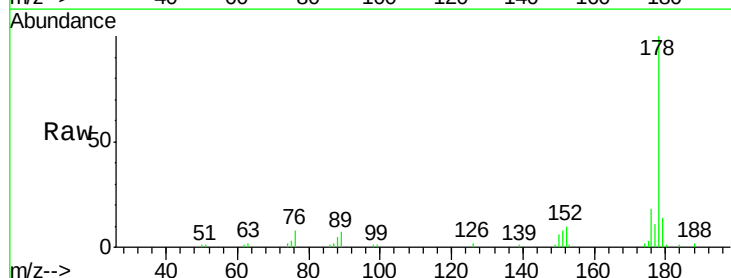
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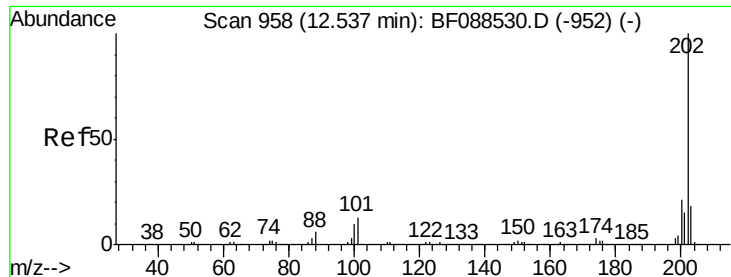
Tgt Ion:188 Resp: 208601
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.6#
80 9.2 10.0 15.0#



#70
Phenanthrene
Concen: 3.01 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:178 Resp: 34267
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.1 13.0 19.4

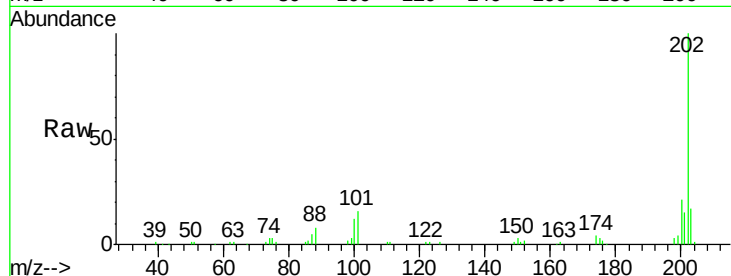




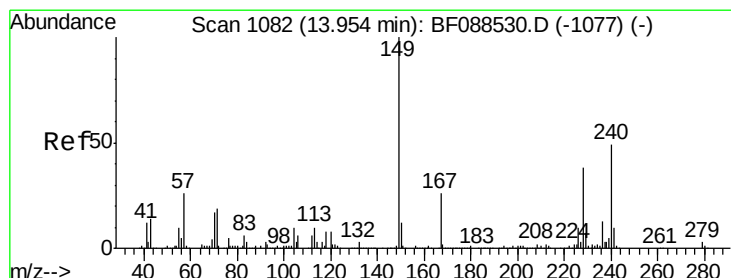
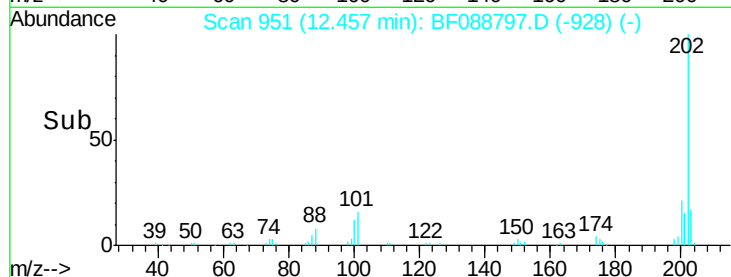
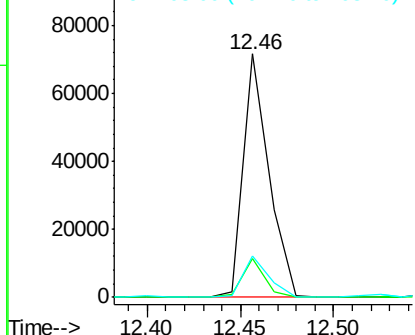
#74
 Fluoranthene
 Concen: 5.91 ng
 RT: 12.46 min Scan# 951
 Delta R.T. -0.03 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampleID :
 SS-12

Tgt Ion: 202 Resp: 68373
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 33.1
 203 17.1 0.0 38.1

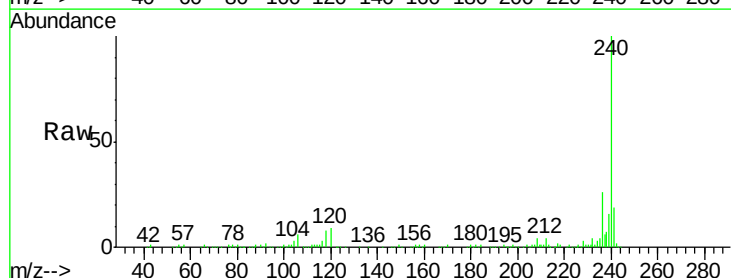


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

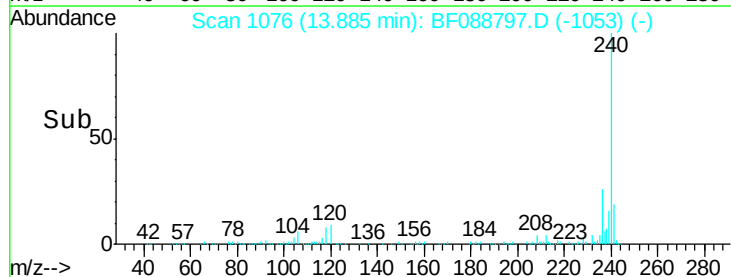
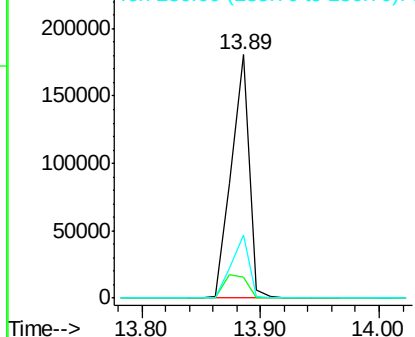


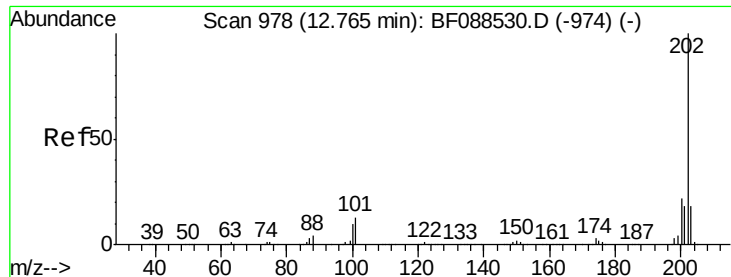
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. -0.03 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Tgt Ion: 240 Resp: 188416
 Ion Ratio Lower Upper
 240 100
 120 8.5 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: 4.23 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.03 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Instrument :

BNA_F

ClientSampled :

SS-12

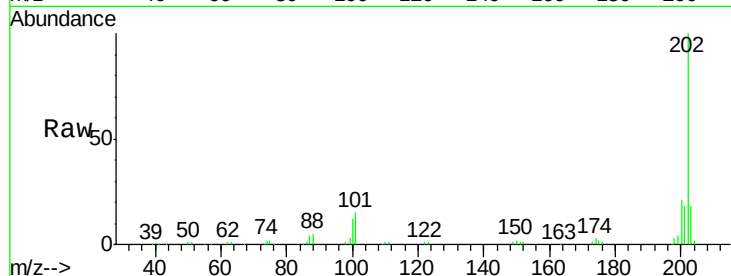
Tgt Ion:202 Resp: 67563

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

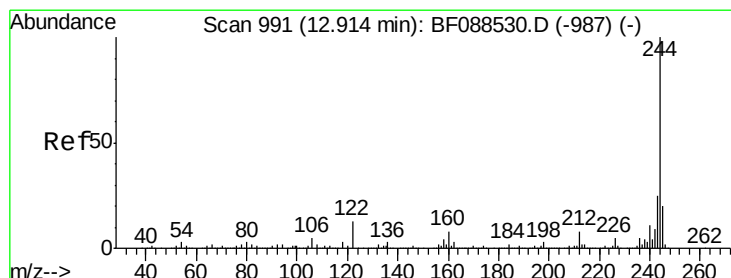
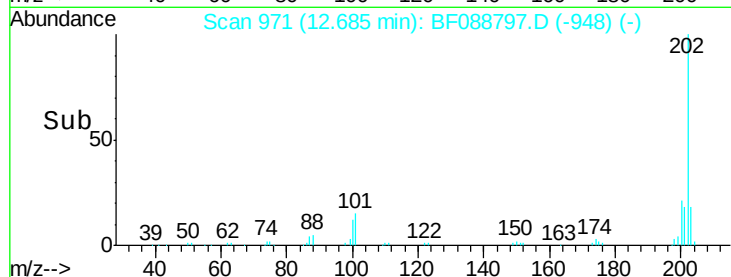
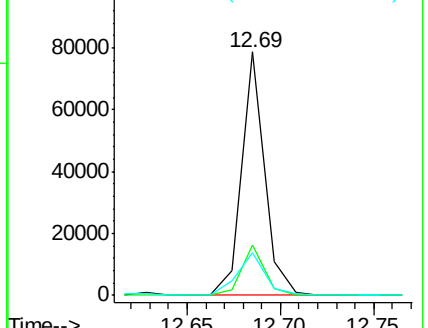
203 17.5 14.5 21.7



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: 1.87 ng

RT: 12.83 min Scan# 984

Delta R.T. -0.03 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

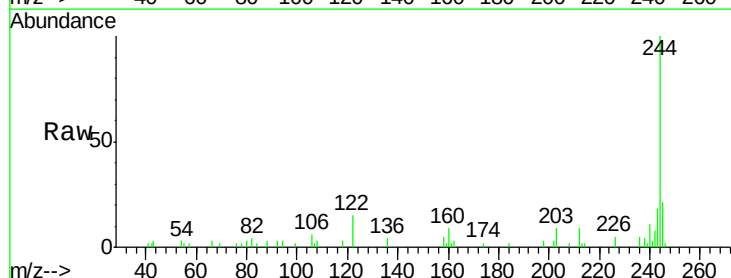
Tgt Ion:244 Resp: 15790

Ion Ratio Lower Upper

244 100

212 8.7 6.0 9.0

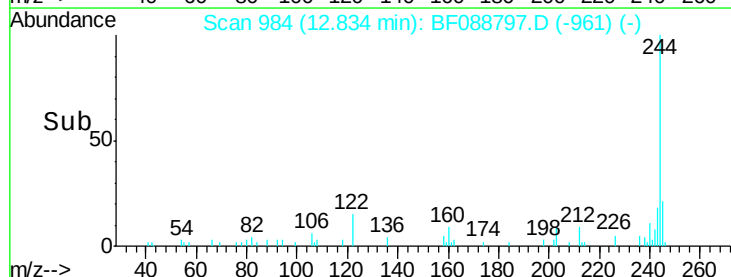
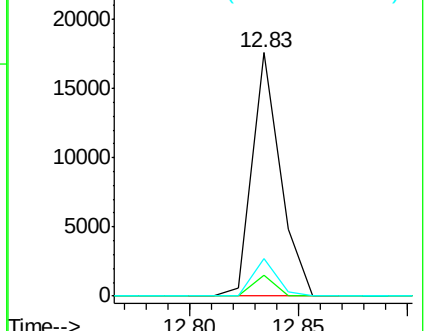
122 15.2 11.2 16.8

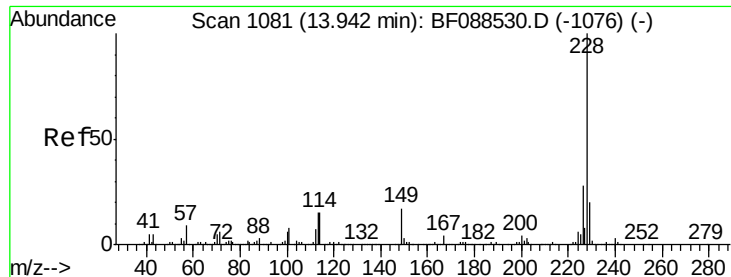


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.62 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.03 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SS-12

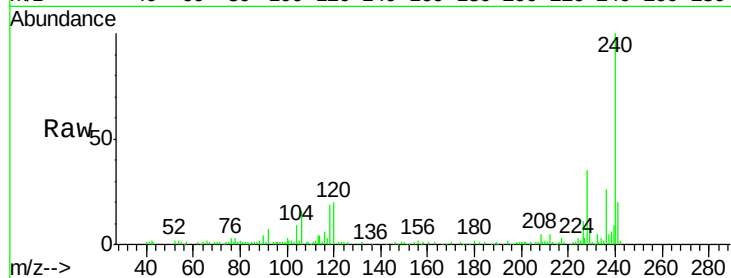
Tgt Ion:228 Resp: 31757

Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

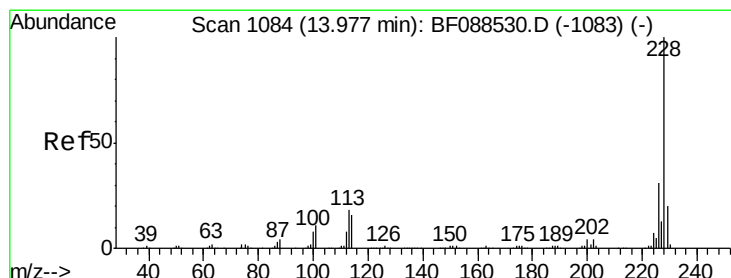
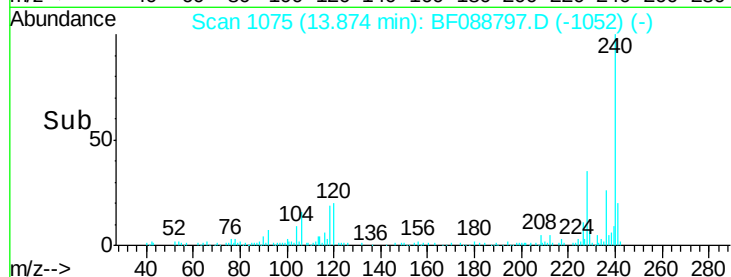
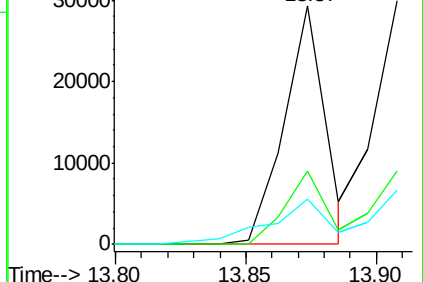
229 19.2 16.0 24.0



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: 2.65 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.07 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

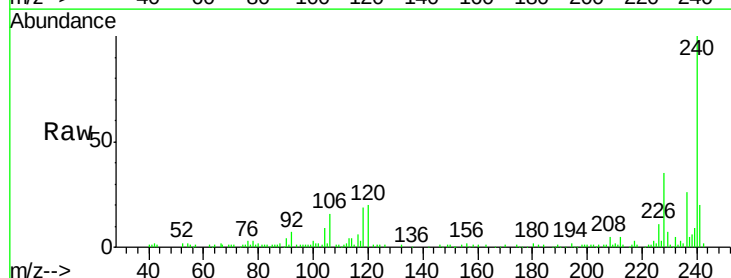
Tgt Ion:228 Resp: 31757

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.2

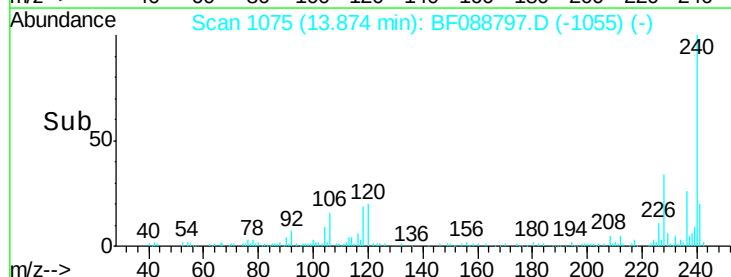
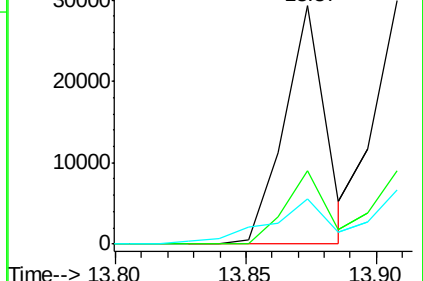
229 19.2 16.3 24.5

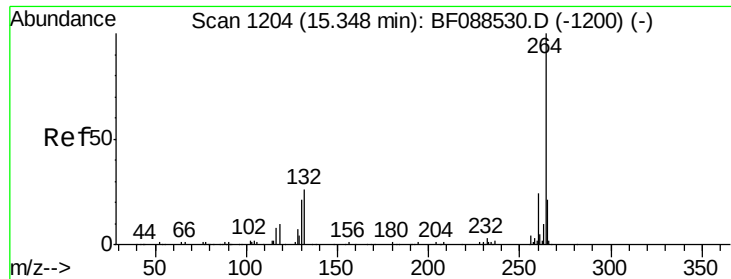


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

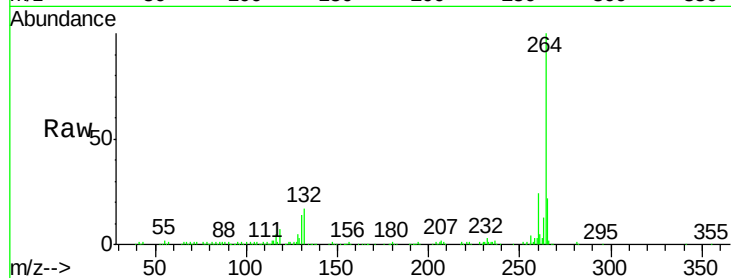




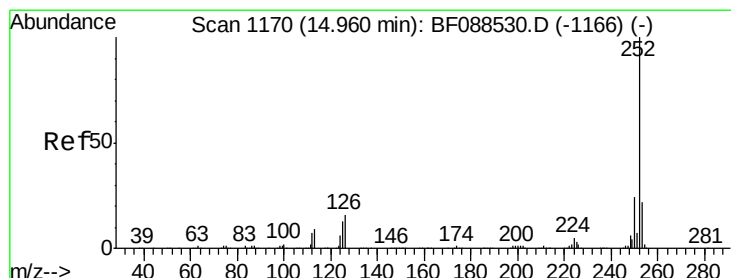
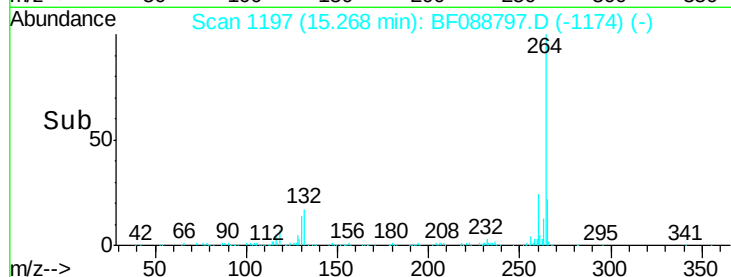
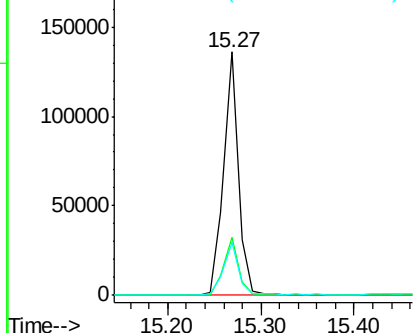
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tgt Ion:264 Resp: 151682
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.5 16.9 25.3

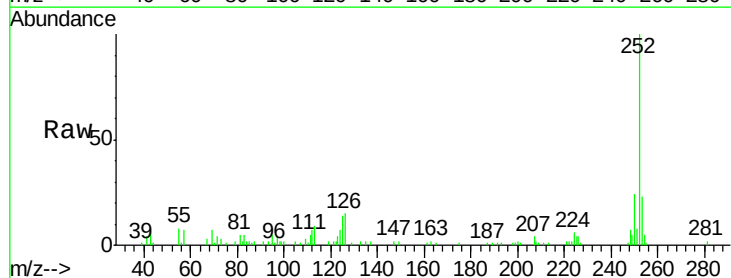


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

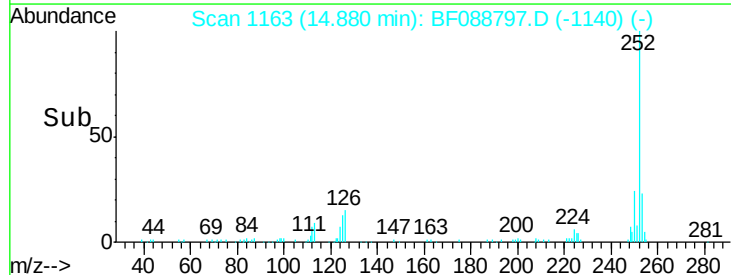
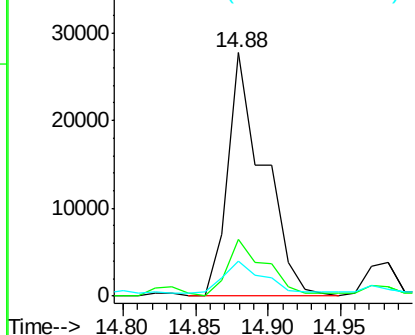


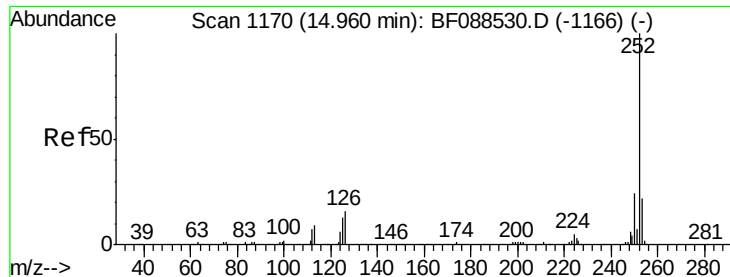
#87
Benzo(b)fluoranthene
Concen: 5.01 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion:252 Resp: 47708
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 14.3 7.1 10.7#



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





#88

Benzo(k)fluoranthene

Concen: 5.76 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

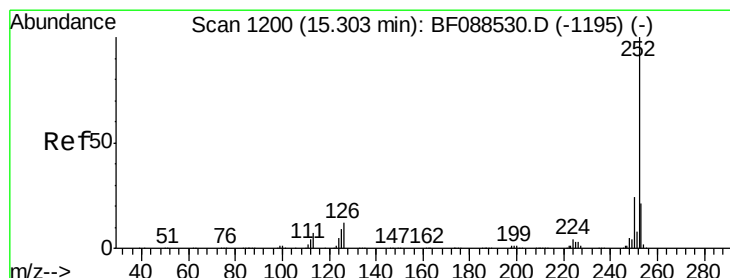
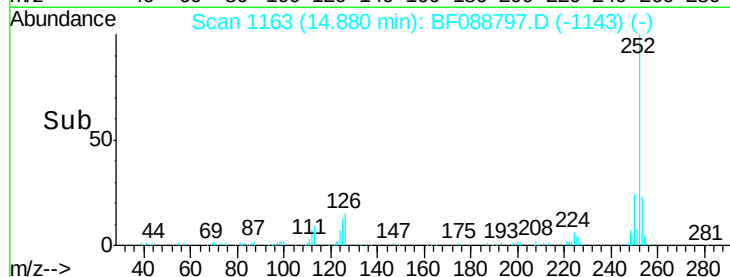
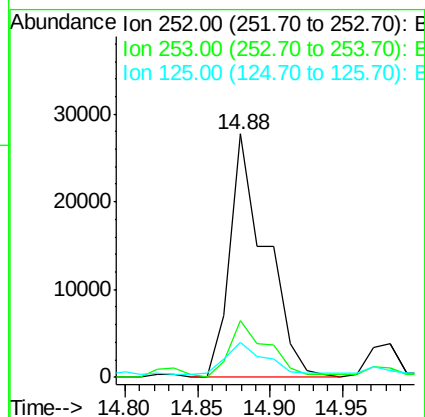
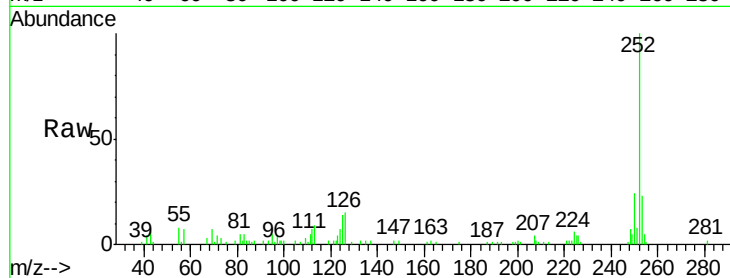
Instrument :

BNA_F

ClientSampleId :

SS-12

Tgt Ion:	252	Resp:	47708
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.3	11.2	16.8



#89

Benzo(a)pyrene

Concen: 3.04 ng

RT: 15.21 min Scan# 1192

Delta R.T. -0.03 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Tgt Ion:	252	Resp:	24456
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.3	12.5	18.7

