

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092916\
 Data File : BF090299.D
 Acq On : 29 Sep 2016 19:43
 Operator : UM/SJ
 Sample : H4982-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-34

Quant Time: Sep 30 00:58:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

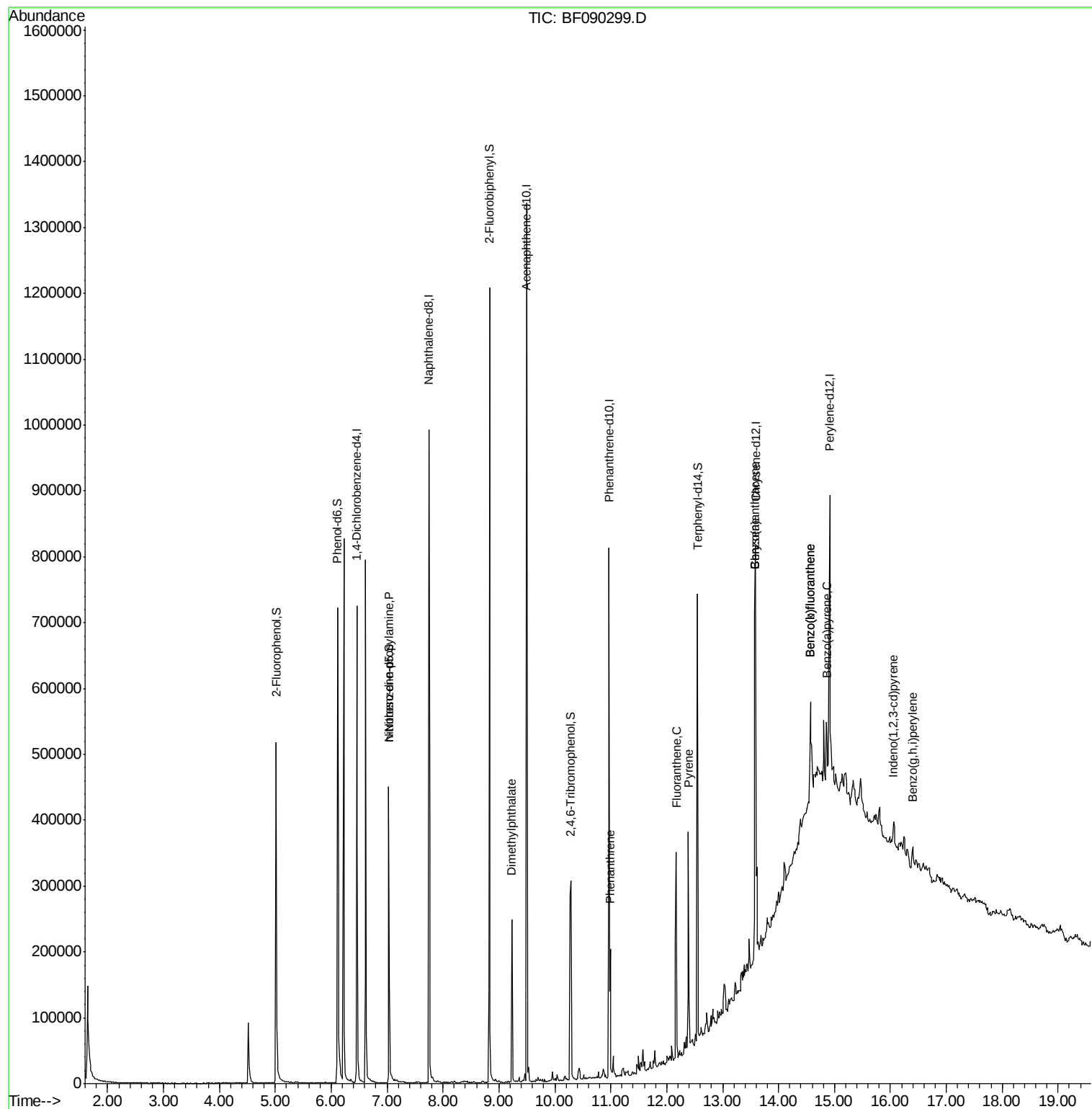
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	142970	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	519857	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	266668	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	344680	20.00	ng	-0.01
75) Chrysene-d12	13.59	240	283172	20.00	ng	-0.01
86) Perylene-d12	14.91	264	204463	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	262876	29.97	ng	-0.01
7) Phenol-d6	6.11	99	341498	31.53	ng	-0.02
23) Nitrobenzene-d5	7.03	82	183900	20.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.28	330	58754	25.68	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	362547	26.69	ng	-0.02
78) Terphenyl-d14	12.55	244	211942	19.00	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	19606	3.08	ng	Qvalue # 82
49) Dimethylphthalate	9.23	163	97510	5.74	ng	99
70) Phenanthrene	10.99	178	85330	5.29	ng	97
74) Fluoranthene	12.17	202	156484	9.04	ng	92
77) Pyrene	12.39	202	127600	6.59	ng	97
80) Benzo(a)anthracene	13.58	228	57545	3.78	ng	97
82) Chrysene	13.58	228	57545	3.88	ng	97
85) Indeno(1,2,3-cd)pyrene	16.06	276	25407	2.12	ng	93
87) Benzo(b)fluoranthene	14.57	252	92867	8.20	ng	97
88) Benzo(k)fluoranthene	14.57	252	92867	8.74	ng	# 92
89) Benzo(a)pyrene	14.86	252	40193	3.77	ng	# 83
91) Benzo(g,h,i)perylene	16.40	276	25442	3.13	ng	# 94

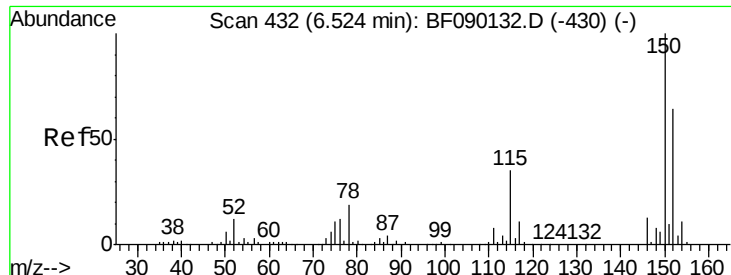
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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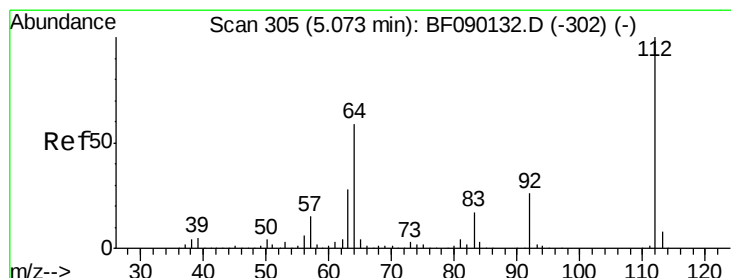
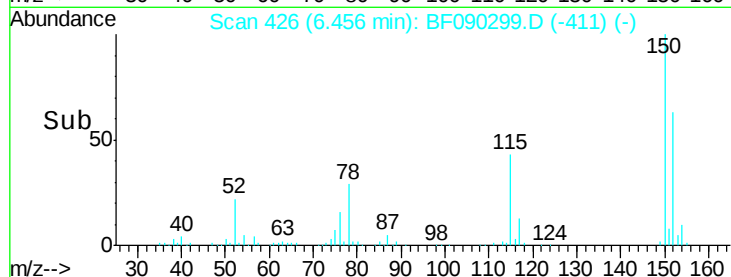
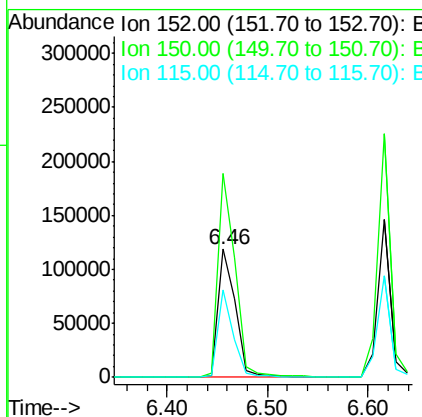
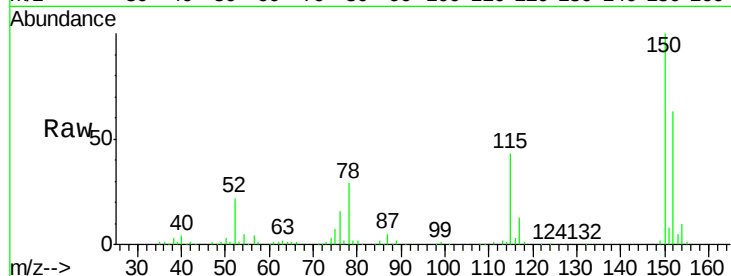




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

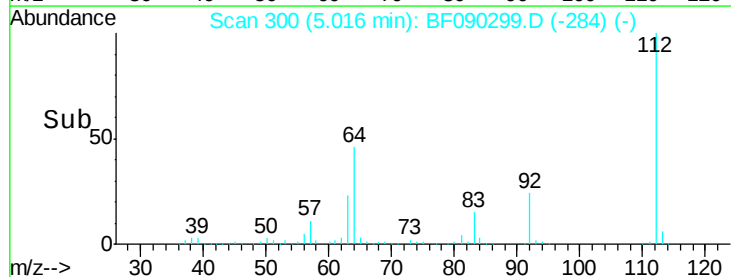
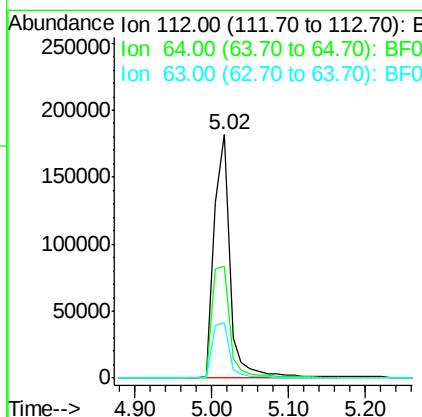
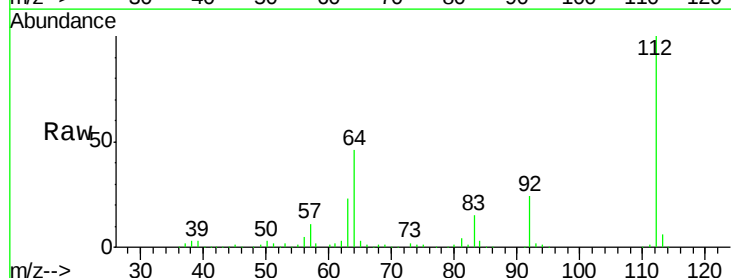
Instrument :
 BNA_F
 ClientSampleId :
 S-34

Tgt Ion:152 Resp: 142970
 Ion Ratio Lower Upper
 152 100
 150 159.2 128.9 193.3
 115 67.9 55.5 83.3



#5
 2-Fluorophenol
 Concen: 29.97 ng
 RT: 5.02 min Scan# 300
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion:112 Resp: 262876
 Ion Ratio Lower Upper
 112 100
 64 45.9 39.8 59.6
 63 22.6 18.9 28.3





#7

Phenol-d6

Concen: 31.53 ng

RT: 6.11 min Scan# 396

Delta R.T. -0.02 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

ClientSampleId :

S-34

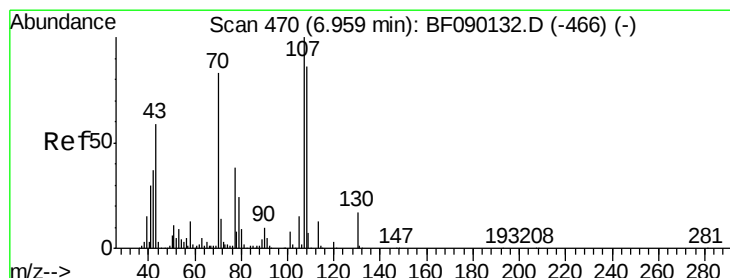
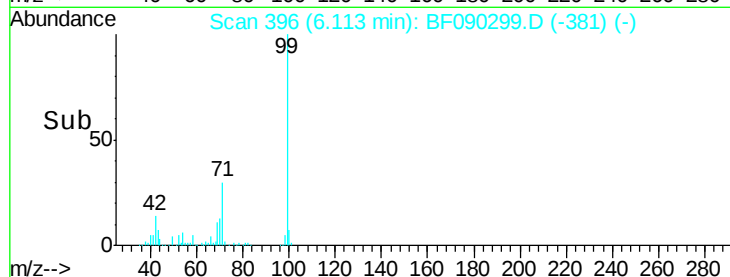
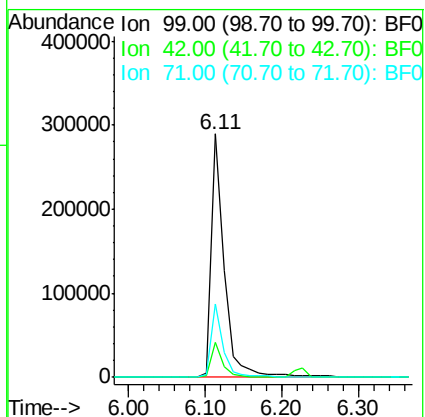
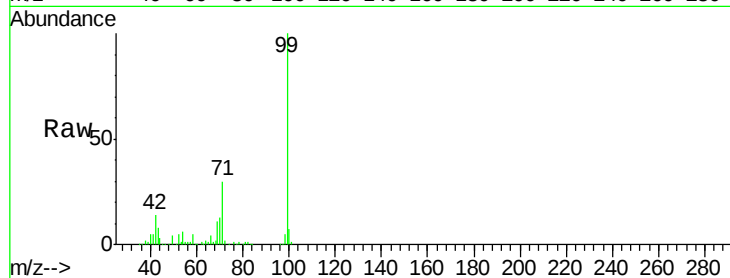
Tgt Ion: 99 Resp: 341498

Ion Ratio Lower Upper

99 100

42 14.2 10.6 15.8

71 30.2 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 3.08 ng

RT: 7.03 min Scan# 476

Delta R.T. 0.11 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Tgt Ion: 70 Resp: 19606

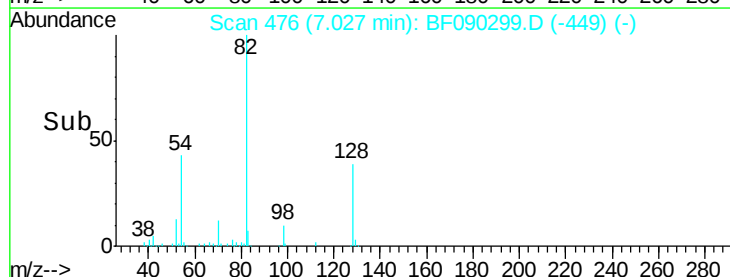
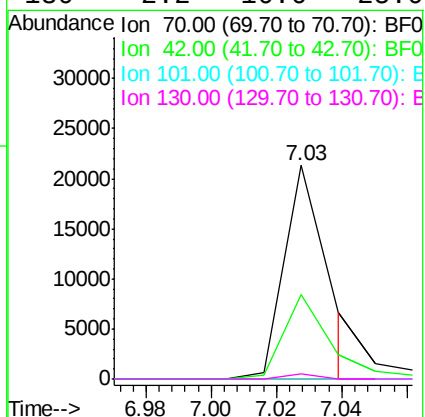
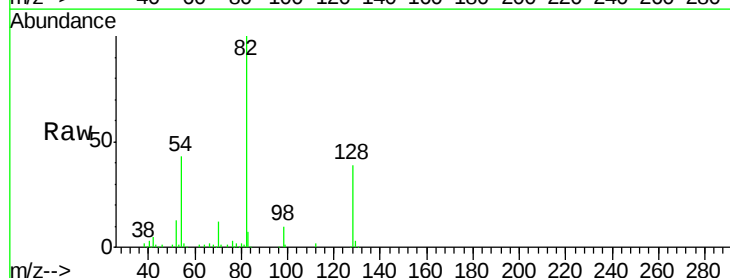
Ion Ratio Lower Upper

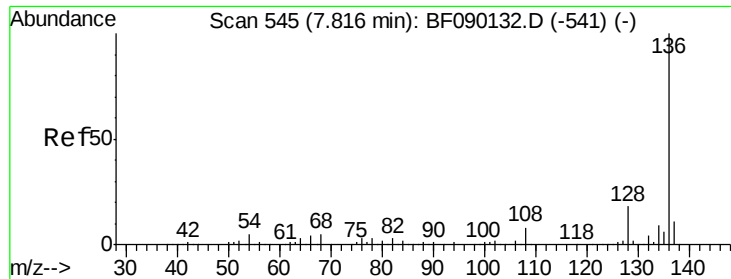
70 100

42 39.8 35.1 52.7

101 0.0 7.5 11.3#

130 2.2 16.6 25.0#

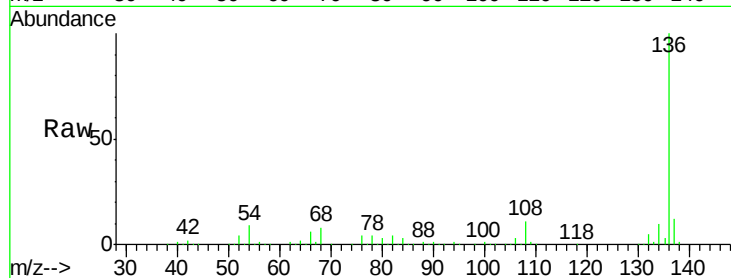




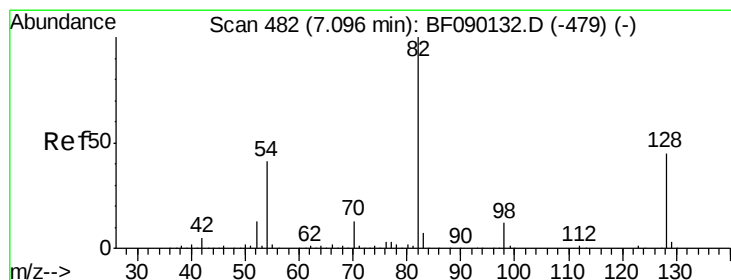
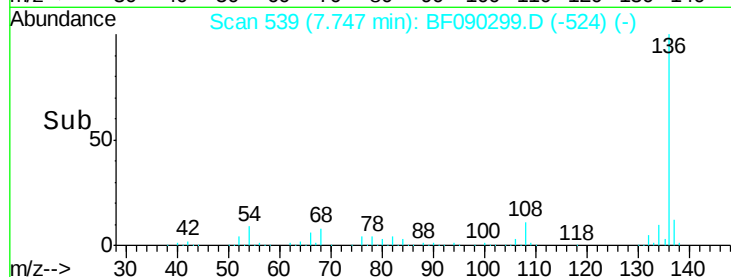
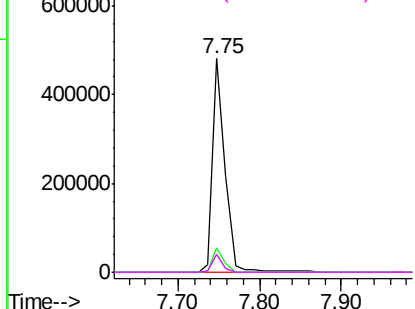
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	519857
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.4
54	8.5	6.4	9.6
68	8.3	6.3	9.5

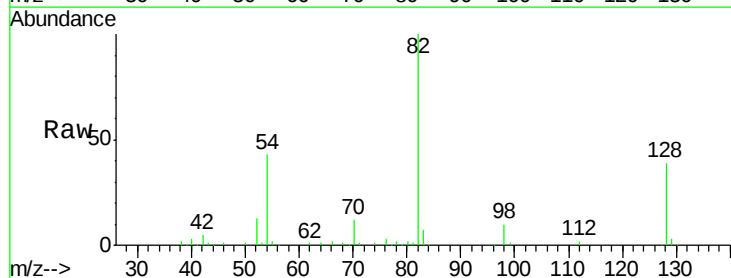


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

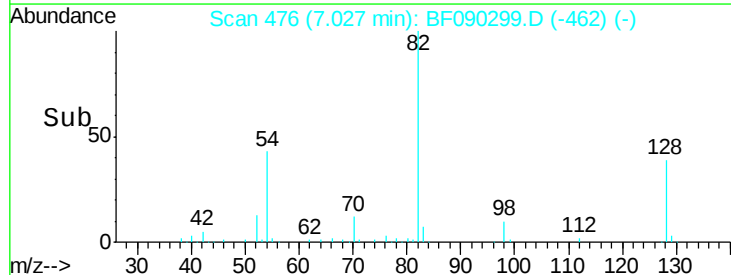
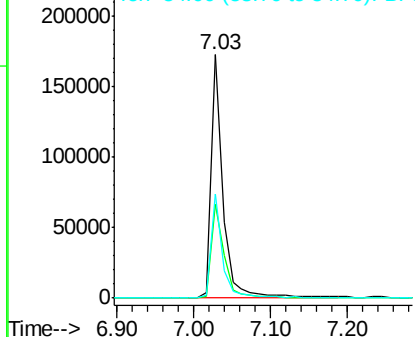


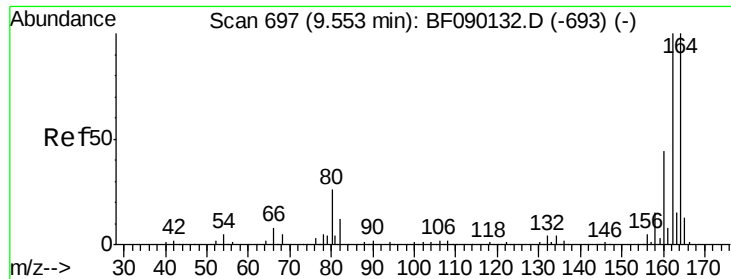
#23
Nitrobenzene-d5
Concen: 20.51 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion:	82	Resp:	183900
Ion	Ratio	Lower	Upper
82	100		
128	38.7	37.5	56.3
54	42.7	31.9	47.9



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

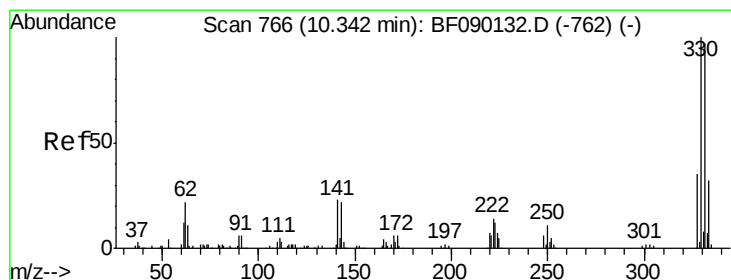
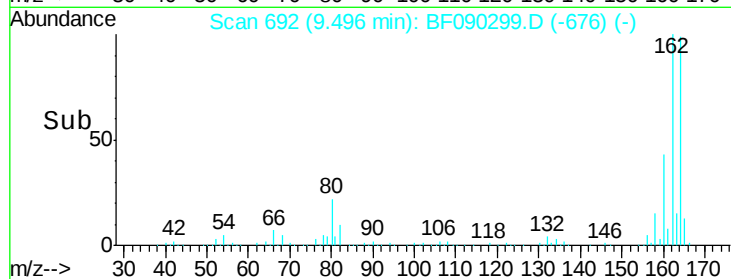
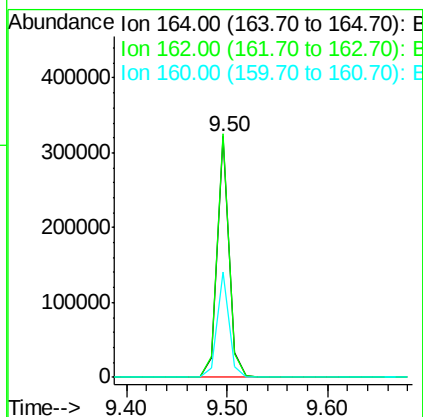
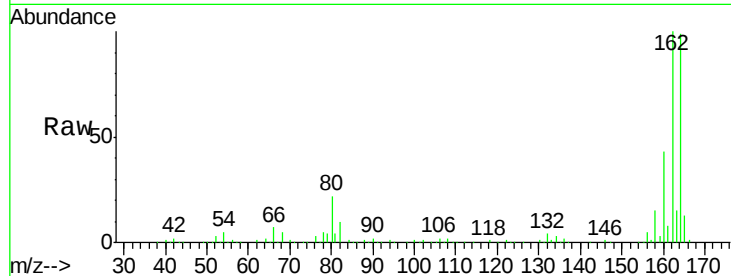




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

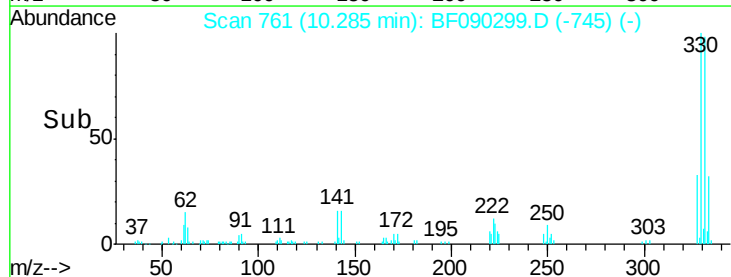
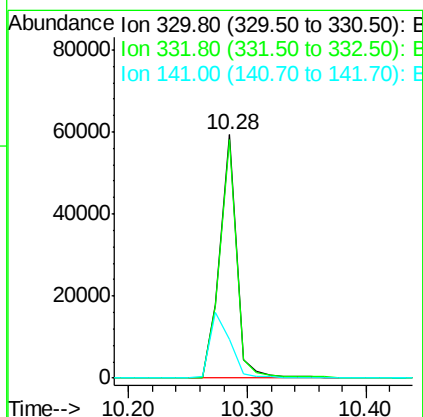
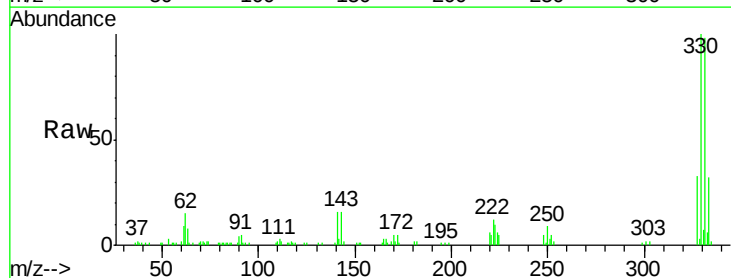
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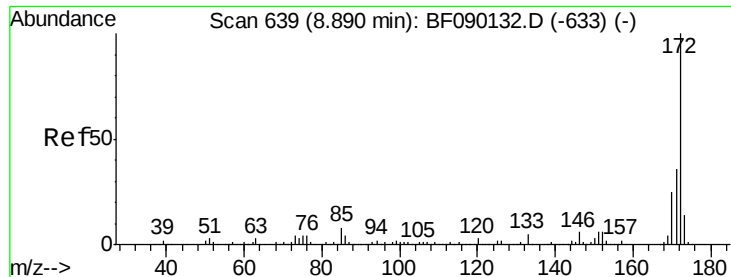
Tgt Ion:164 Resp: 266668
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.4 122.2
 160 43.9 36.6 54.8



#41
 2,4,6-Tribromophenol
 Concen: 25.68 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion:330 Resp: 58754
 Ion Ratio Lower Upper
 330 100
 332 98.3 78.1 117.1
 141 32.3 23.9 35.9

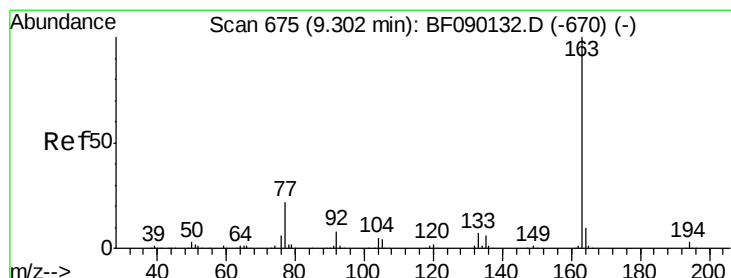
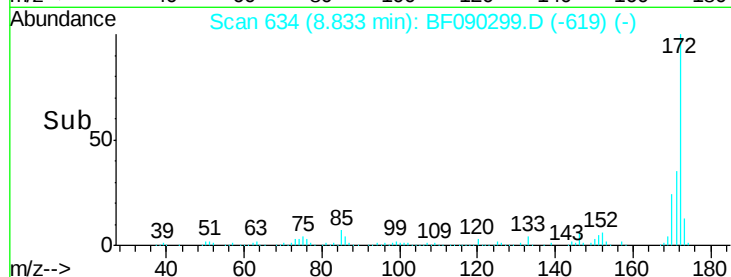
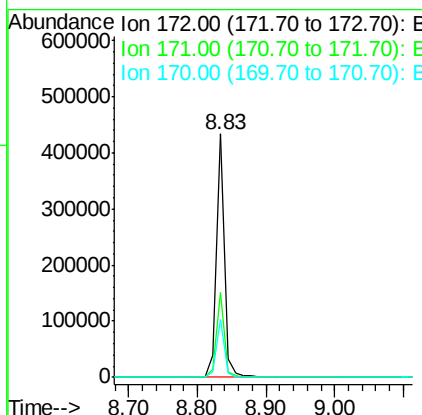
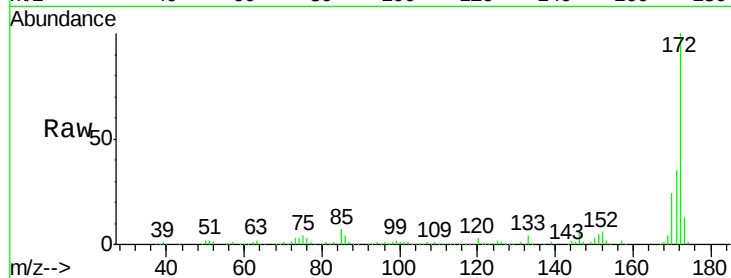




#44
 2-Fluorobiphenyl
 Concen: 26.69 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

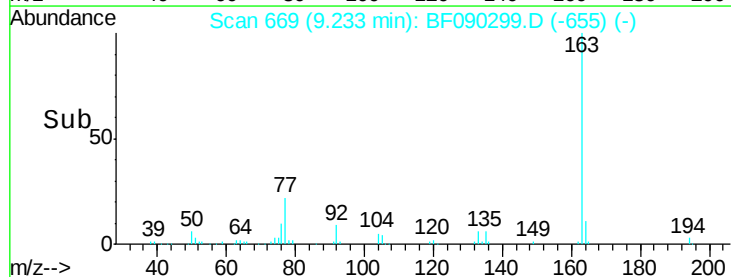
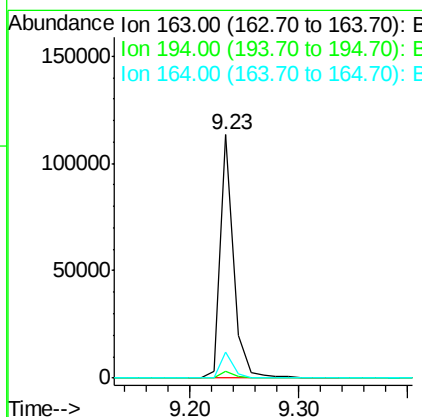
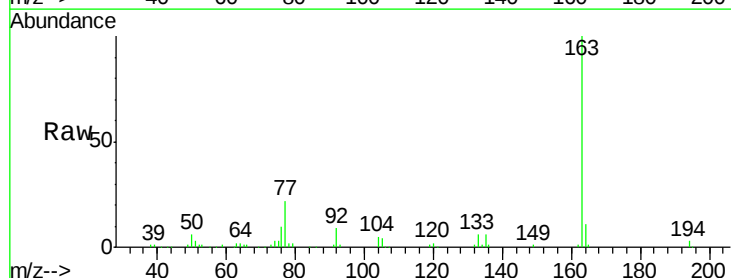
Instrument :
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 ClientSampled :
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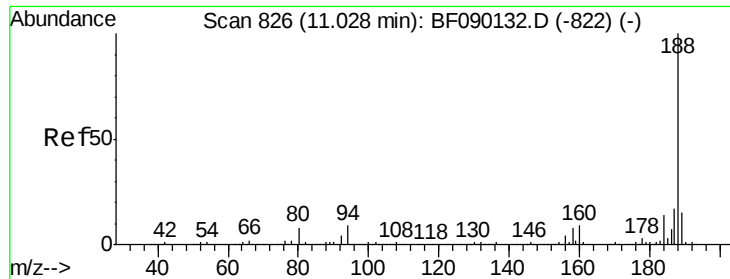
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.2	43.8
170	23.7	19.8	29.8



#49
 Dimethylphthalate
 Concen: 5.74 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.6	8.1	12.1

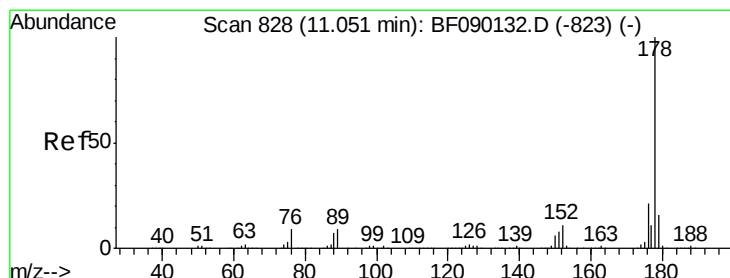
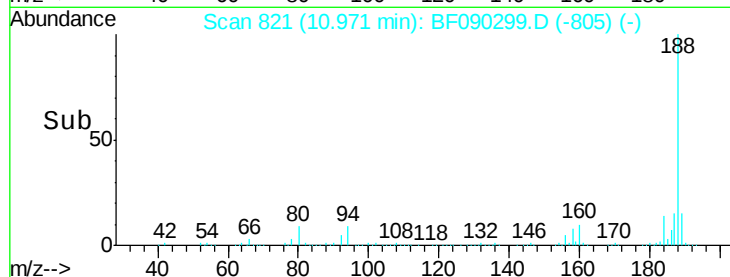
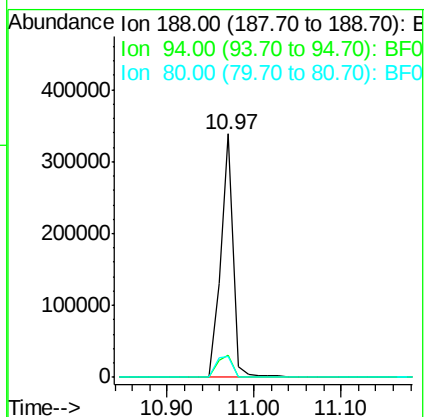
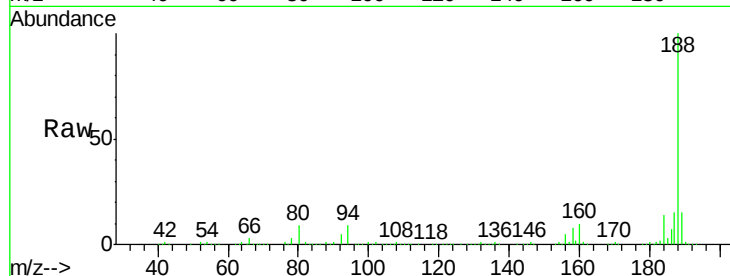




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

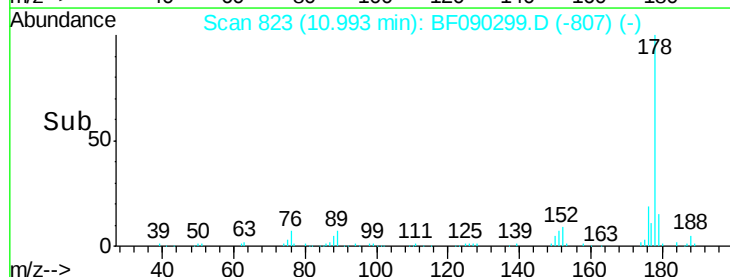
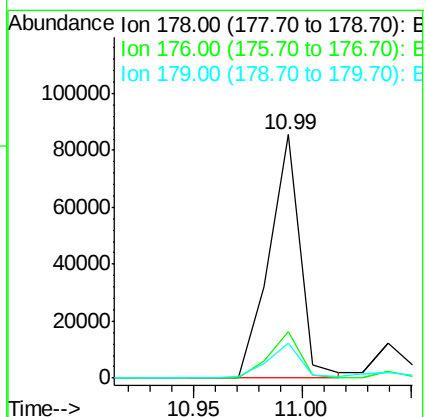
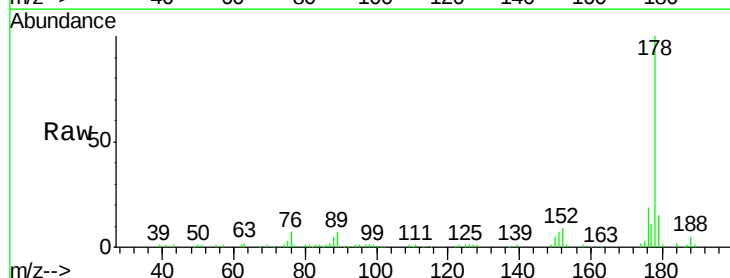
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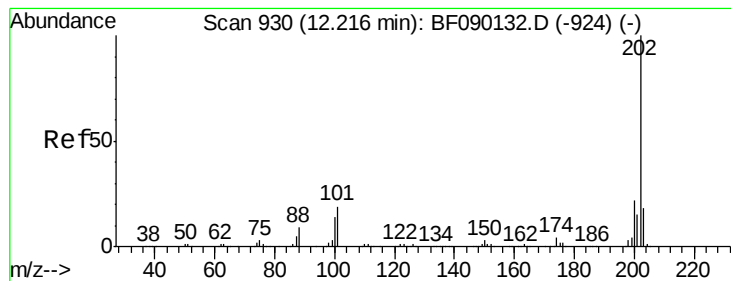
Tgt Ion:188 Resp: 344680
 Ion Ratio Lower Upper
 188 100
 94 9.1 10.5 15.7#
 80 8.8 11.2 16.8#



#70
 Phenanthrene
 Concen: 5.29 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion:178 Resp: 85330
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.9 23.9
 179 14.5 12.9 19.3





#74

Fluoranthene

Concen: 9.04 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

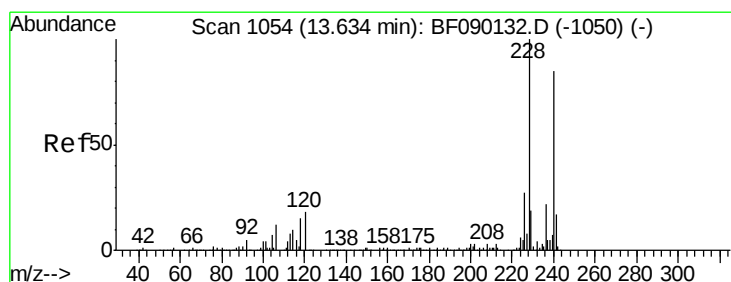
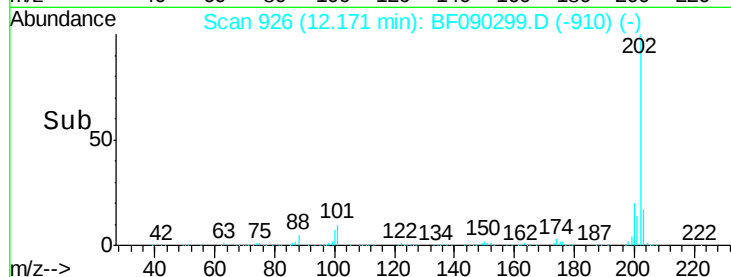
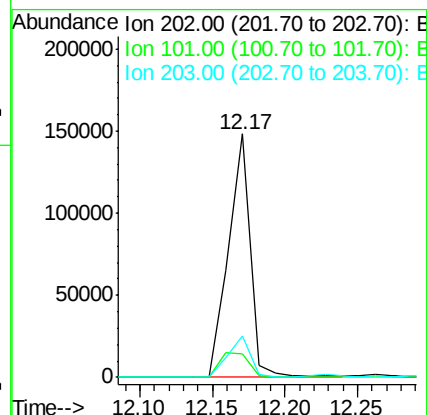
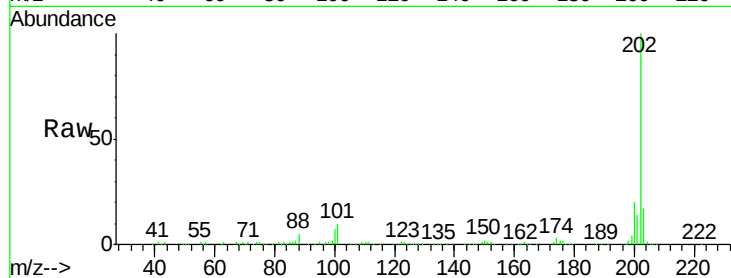
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	202	Resp:	156484
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	36.1
203	17.0	0.0	38.2



#75

Chrysene-d12

Concen: 20.00 ng

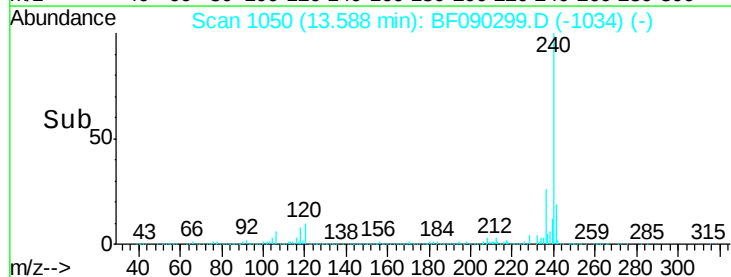
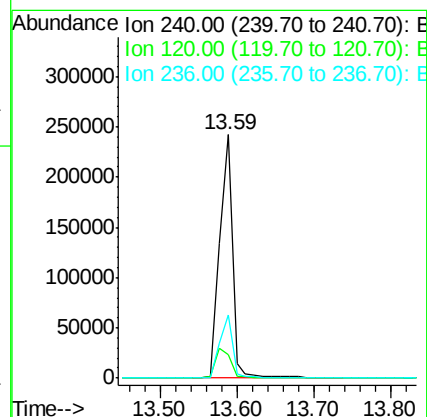
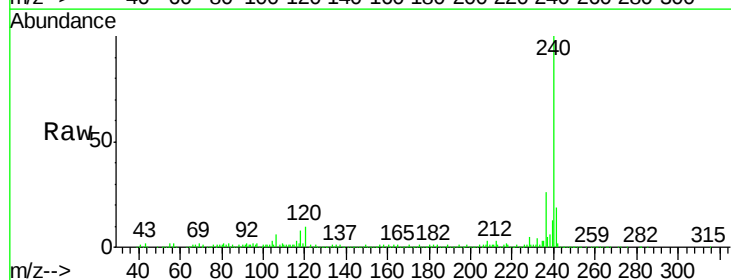
RT: 13.59 min Scan# 1050

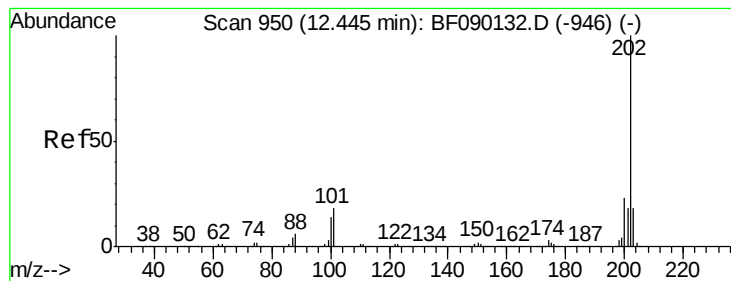
Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Tgt Ion:	240	Resp:	283172
Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.6	16.0#
236	25.7	21.6	32.4





#77

Pyrene

Concen: 6.59 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

ClientSampleId :

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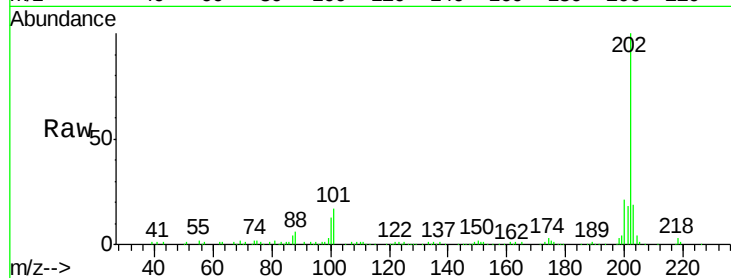
Tgt Ion: 202 Resp: 127600

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

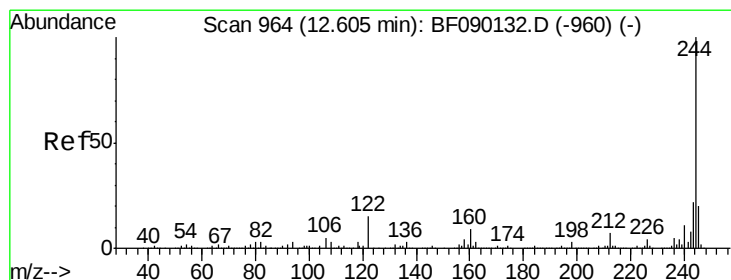
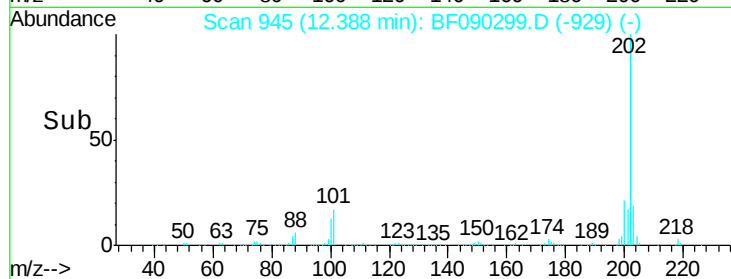
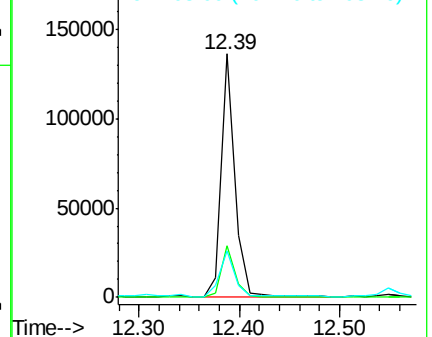
203 19.2 14.2 21.4



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: 19.00 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

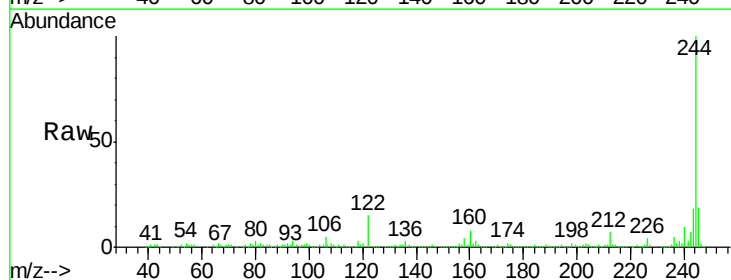
Tgt Ion: 244 Resp: 211942

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

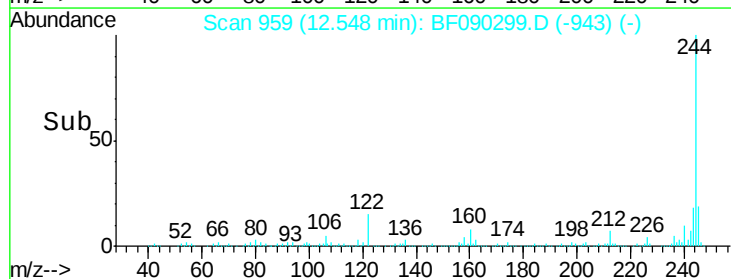
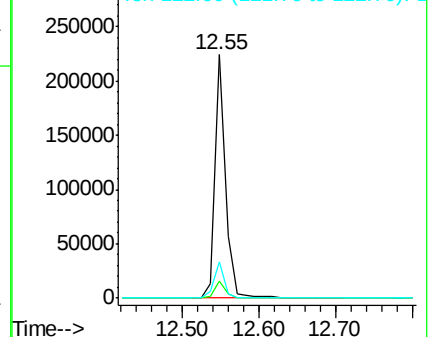
122 14.9 9.4 14.0#

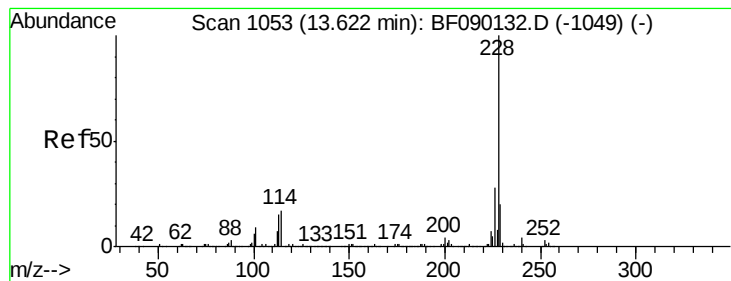


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.78 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

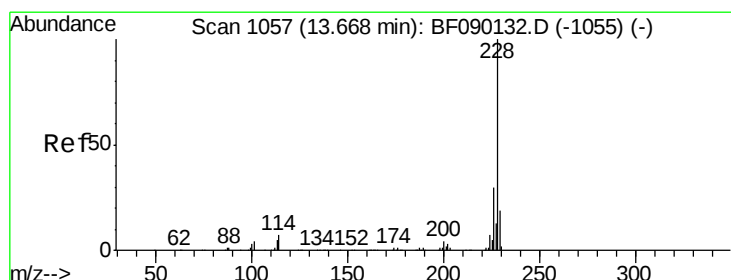
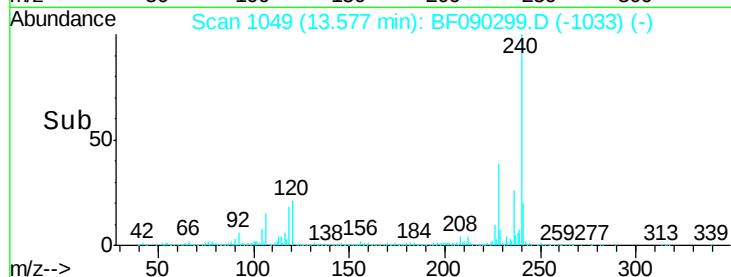
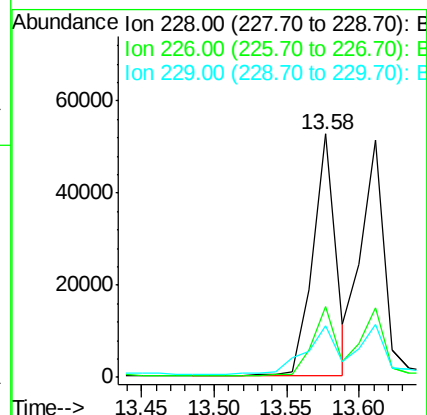
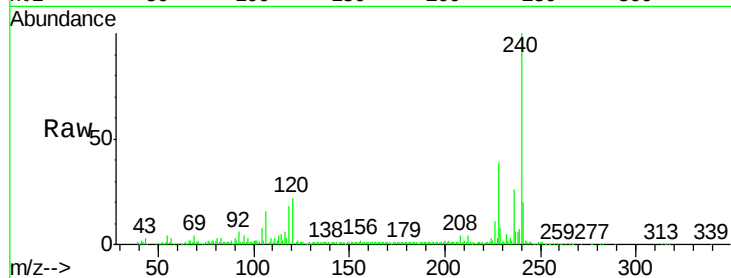
Instrument :

BNA_F

ClientSampleId :

S-34

Tgt Ion:	228	Resp:	57545
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.0	33.0
229	21.2	16.2	24.2



#82

Chrysene

Concen: 3.88 ng

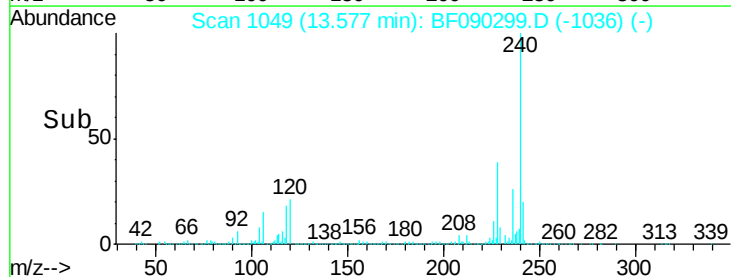
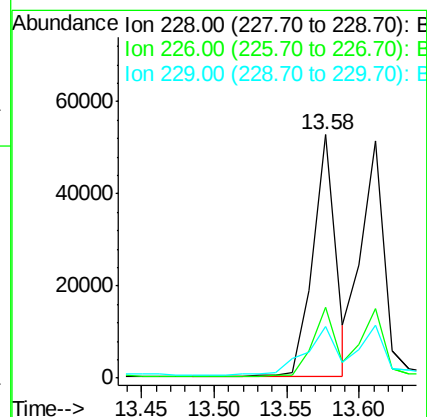
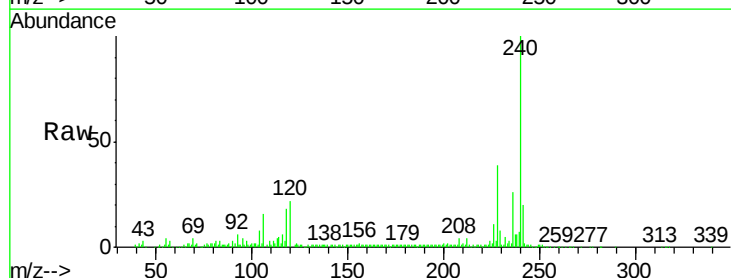
RT: 13.58 min Scan# 1049

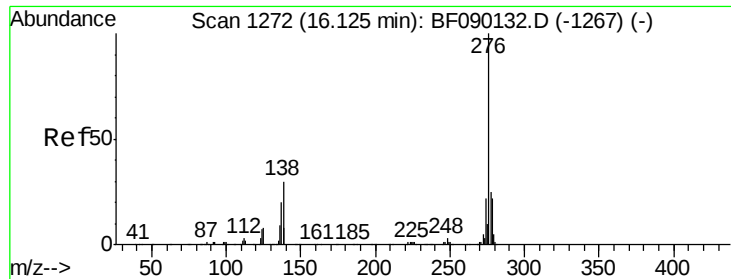
Delta R.T. -0.05 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Tgt Ion:	228	Resp:	57545
Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	37.0
229	21.2	16.2	24.4

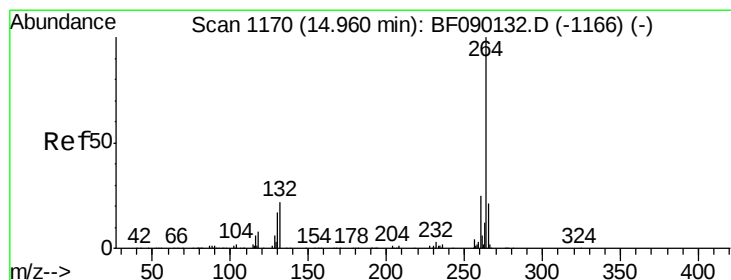
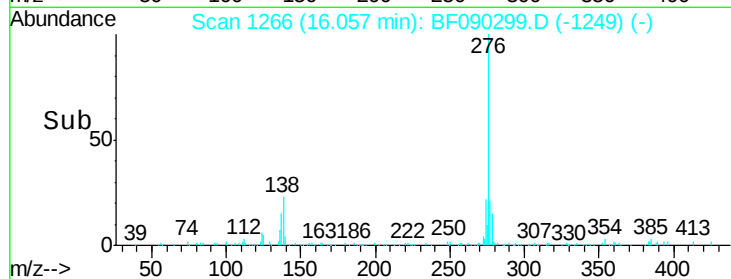
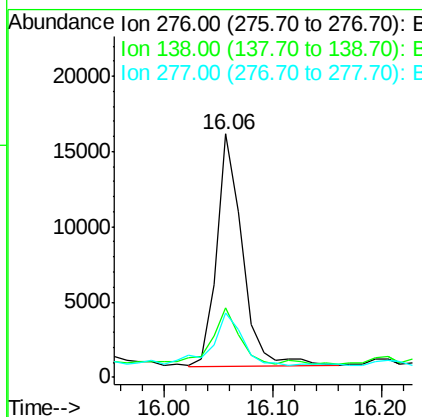
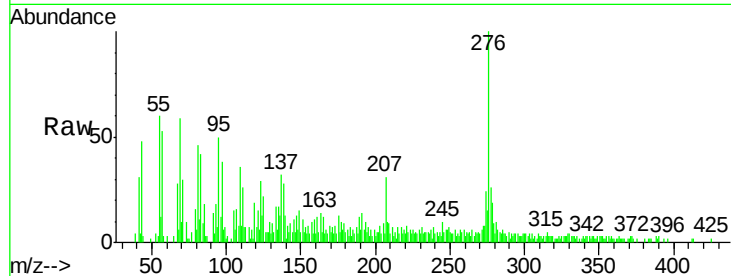




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.12 ng
 RT: 16.06 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

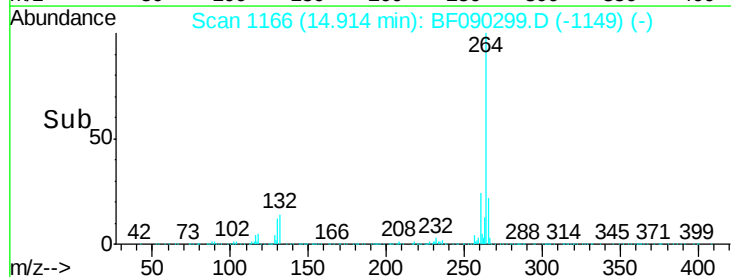
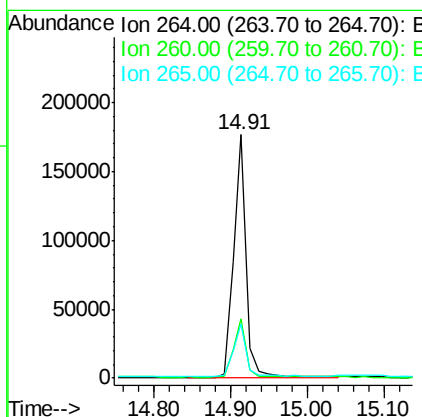
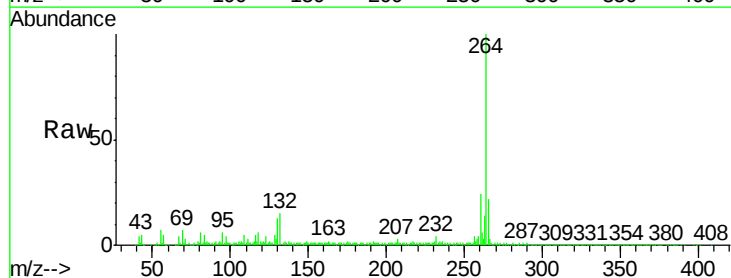
Instrument :
 BNA_F
 ClientSampleId :
 S-34

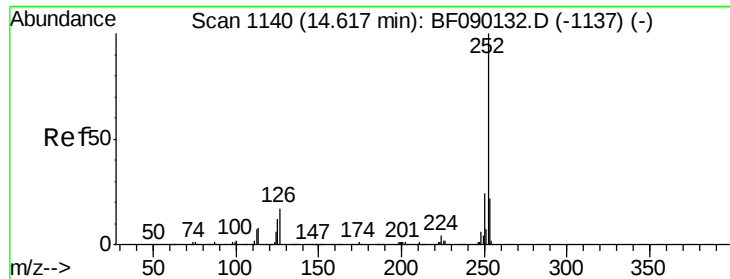
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.9	38.9
277	29.1	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.91 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.3	17.0	25.4

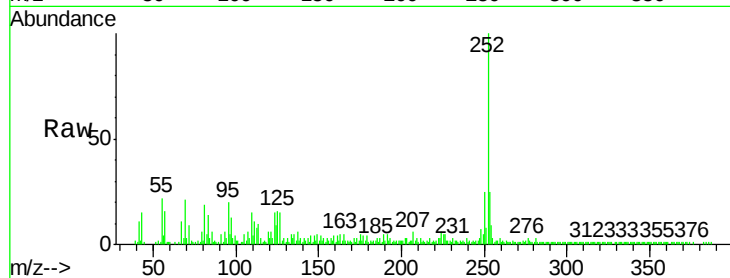




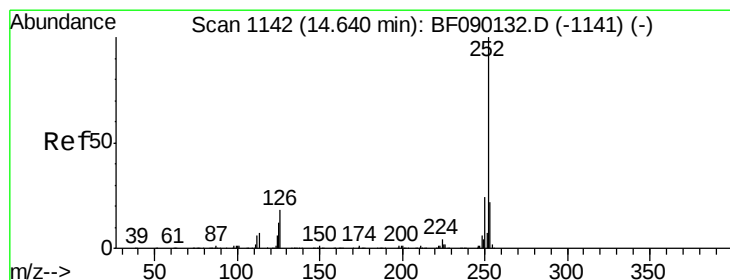
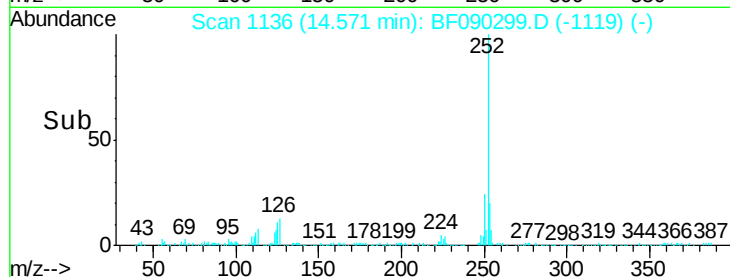
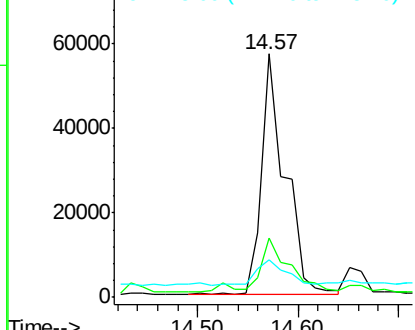
#87
Benzo(b)fluoranthene
Concen: 8.20 ng
RT: 14.57 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S-34

Tgt Ion:	252	Resp:	92867
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	15.5	12.7	19.1

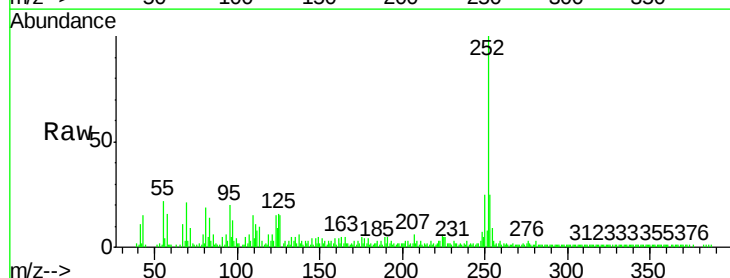


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

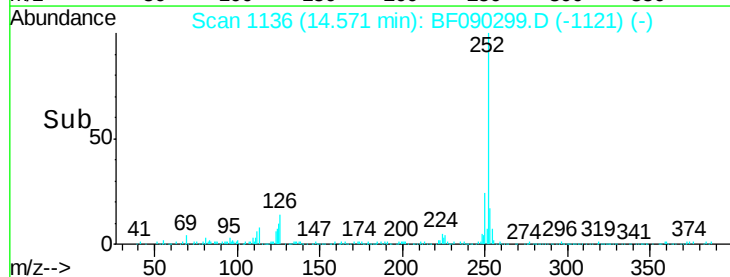
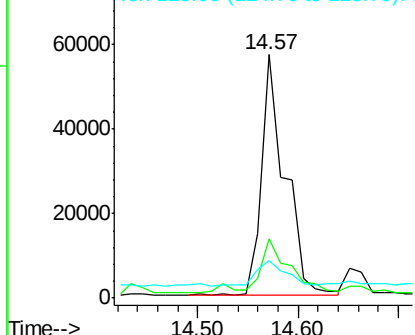


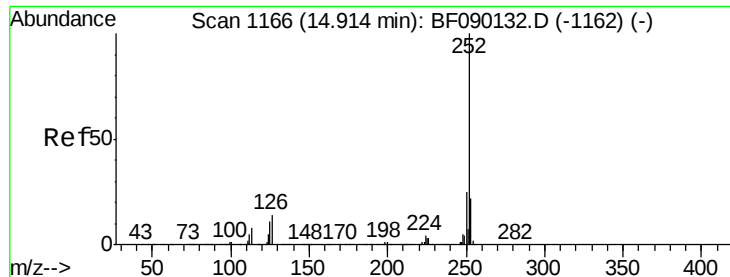
#88
Benzo(k)fluoranthene
Concen: 8.74 ng
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion:	252	Resp:	92867
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	15.5	7.8	11.6#



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

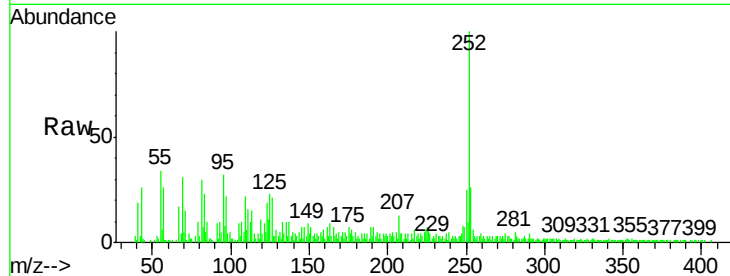




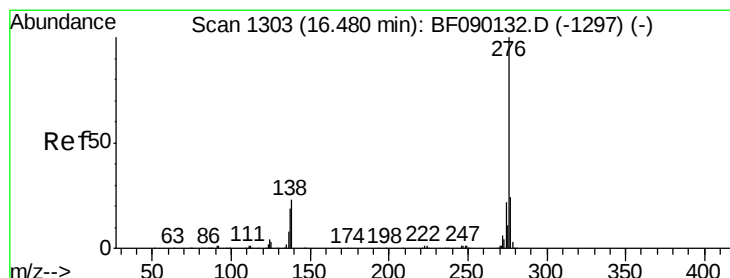
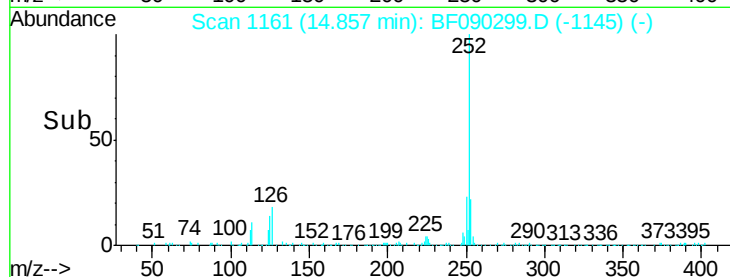
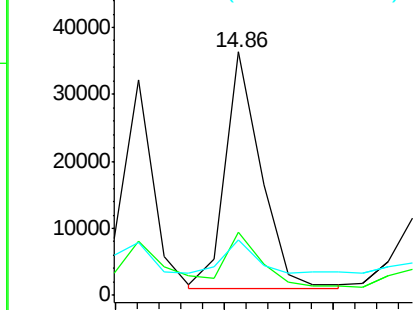
#89
Benzo(a)pyrene
Concen: 3.77 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampled :
S-34

Tgt Ion: 252 Resp: 40193
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.0
125 22.8 7.7 11.5#

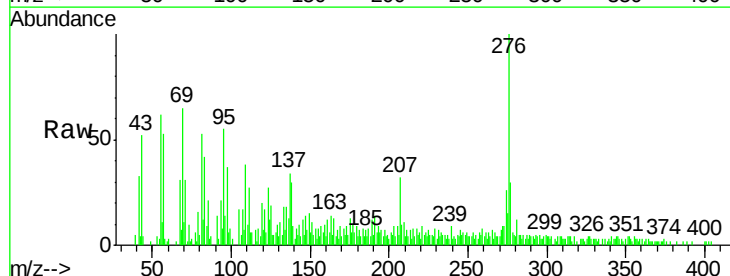


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.13 ng
RT: 16.40 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion: 276 Resp: 25442
Ion Ratio Lower Upper
276 100
277 29.6 18.9 28.3#
138 29.6 23.3 34.9



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

