

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092916\
 Data File : BF090297.D
 Acq On : 29 Sep 2016 18:49
 Operator : UM/SJ
 Sample : H4982-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-29

Quant Time: Sep 30 00:58:14 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

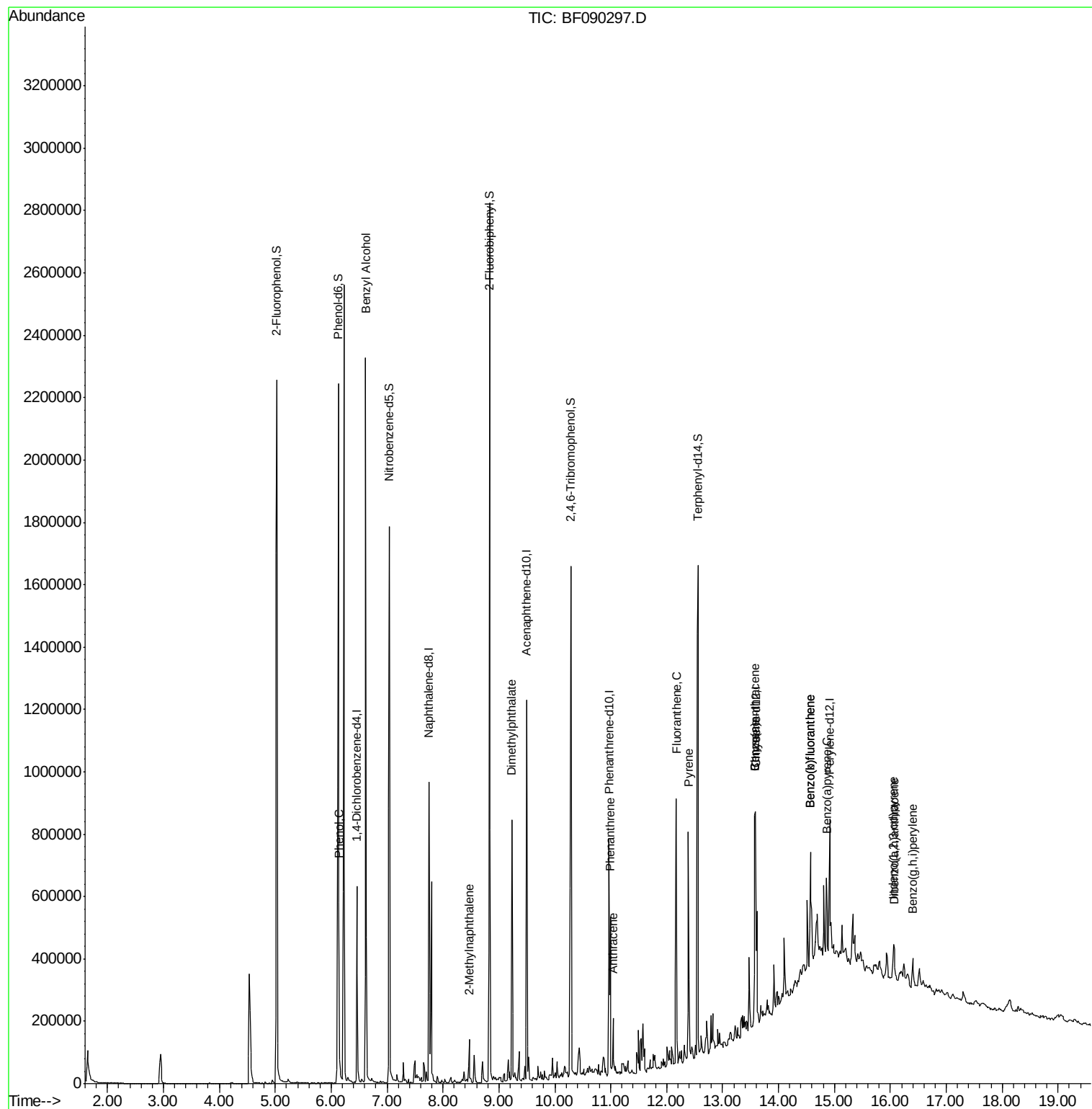
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	126937	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	457156	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	245192	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	322080	20.00	ng	-0.01
75) Chrysene-d12	13.59	240	249265	20.00	ng	-0.01
86) Perylene-d12	14.91	264	198953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	982636	126.18	ng	0.00
7) Phenol-d6	6.12	99	1095925	113.95	ng	-0.01
23) Nitrobenzene-d5	7.04	82	753298	95.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	211411	100.50	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	992616	79.48	ng	-0.02
78) Terphenyl-d14	12.56	244	711117	72.43	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.14	94	22877	2.01	ng	88
15) Benzyl Alcohol	6.62	79	16071	2.80	ng	# 55
37) 2-Methylnaphthalene	8.47	142	45099	3.33	ng	96
49) Dimethylphthalate	9.23	163	357217	22.87	ng	98
70) Phenanthrene	10.99	178	219223	14.55	ng	98
71) Anthracene	11.04	178	70979	4.49	ng	98
74) Fluoranthene	12.17	202	352295	21.79	ng	94
77) Pyrene	12.39	202	304099	17.83	ng	96
80) Benzo(a)anthracene	13.58	228	199239	14.86	ng	97
82) Chrysene	13.58	228	199239	15.25	ng	100
85) Indeno(1,2,3-cd)pyrene	16.06	276	74759	7.08	ng	92
87) Benzo(b)fluoranthene	14.57	252	237926	21.60	ng	96
88) Benzo(k)fluoranthene	14.57	252	237926	23.01	ng	# 94
89) Benzo(a)pyrene	14.86	252	120964	11.67	ng	# 91
90) Dibenzo(a,h)anthracene	16.07	278	20778	2.57	ng	# 79
91) Benzo(g,h,i)perylene	16.40	276	68820	8.69	ng	96

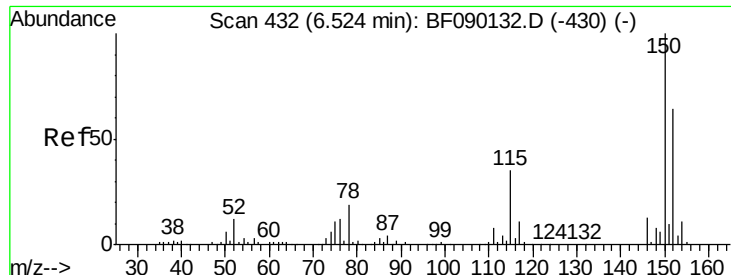
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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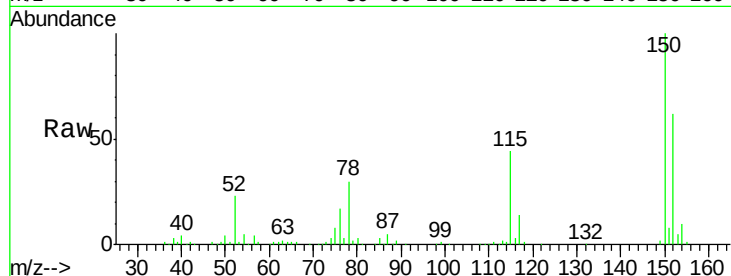


#1

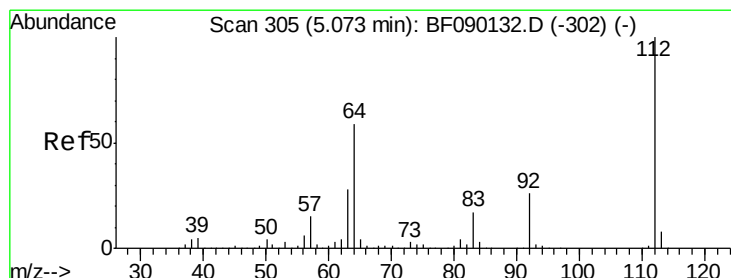
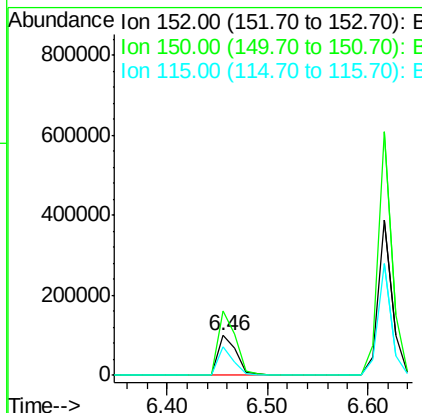
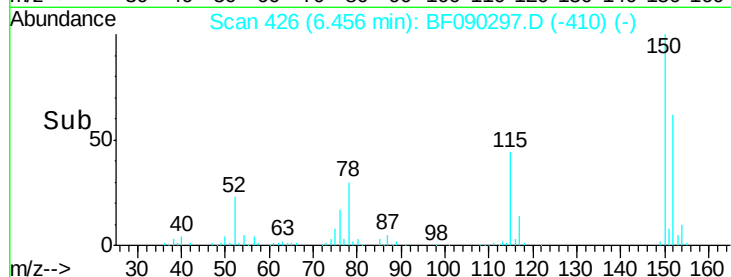
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	128.9	193.3
115	70.2	55.5	83.3



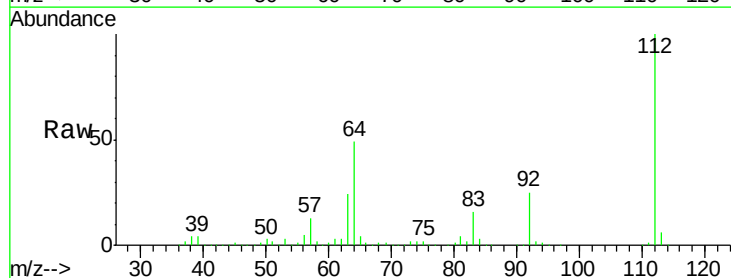
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



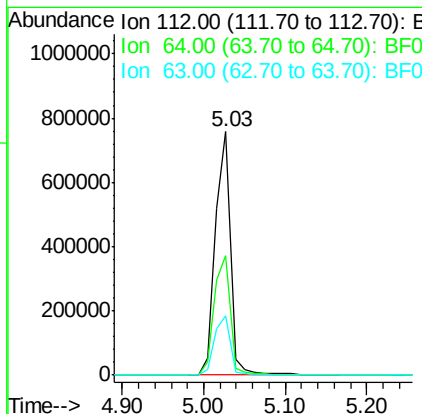
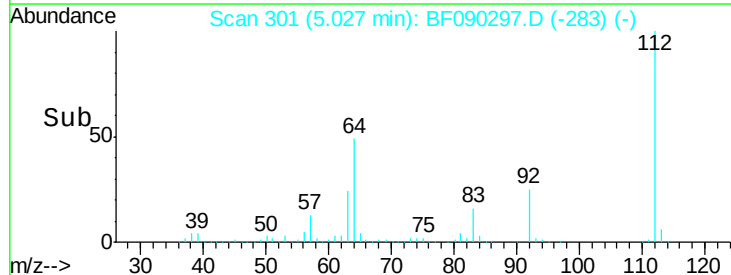
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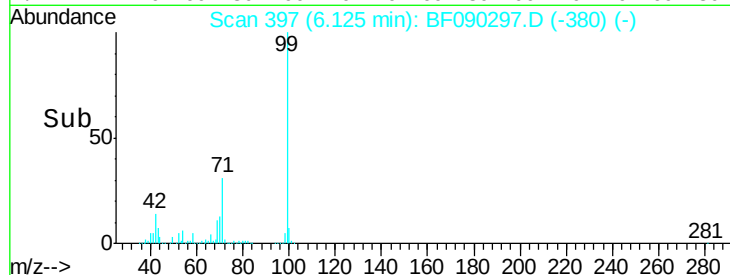
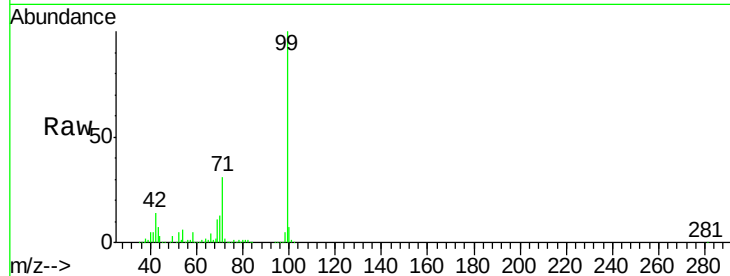
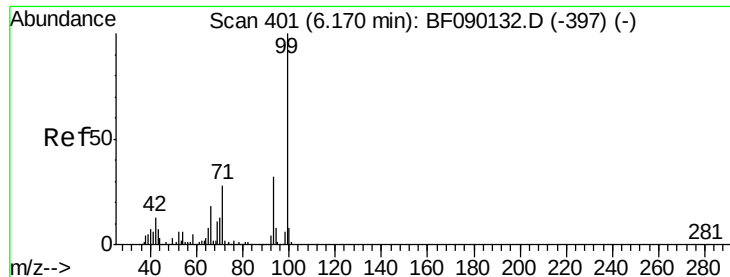
2-Fluorophenol
 Concen: 126.18 ng
 RT: 5.03 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	39.8	59.6
63	24.2	18.9	28.3



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: 113.95 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

ClientSampleId :

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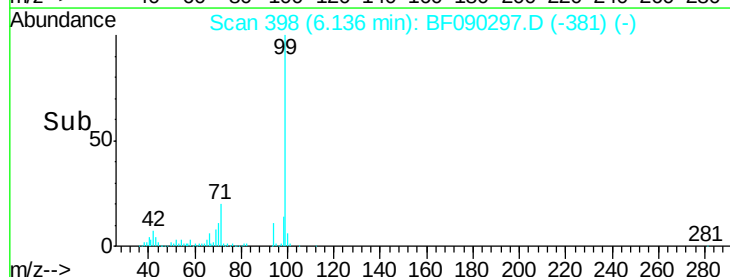
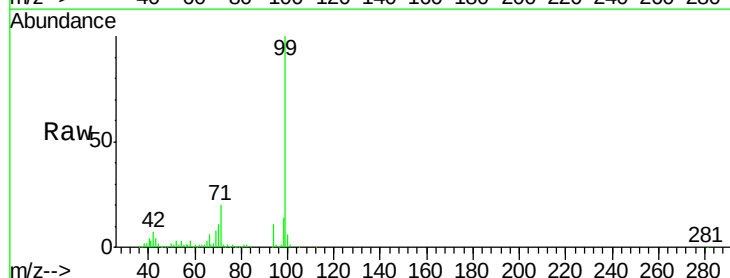
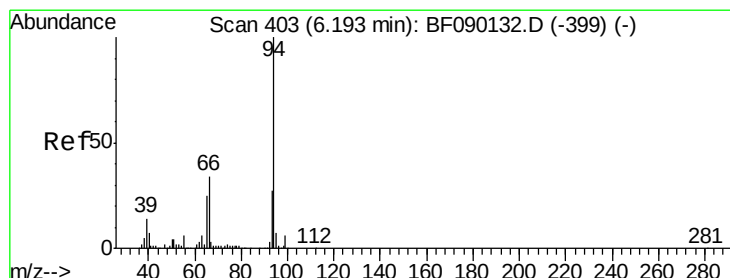
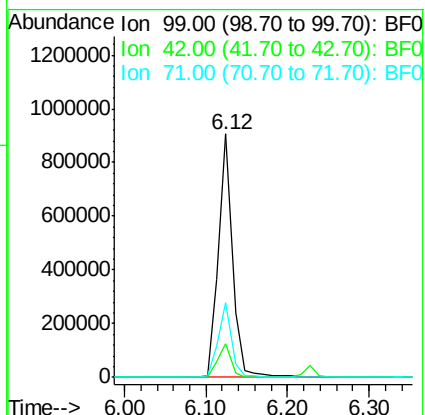
Tgt Ion: 99 Resp: 1095925

Ion Ratio Lower Upper

99 100

42 13.7 10.6 15.8

71 30.8 23.0 34.6



#10

Phenol

Concen: 2.01 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

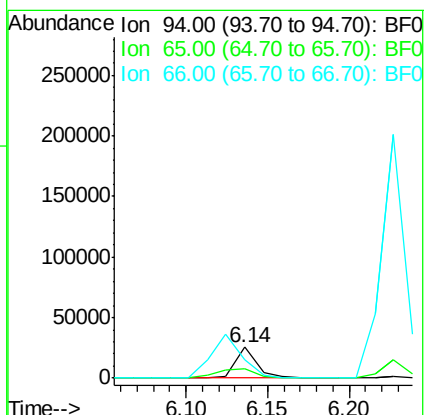
Tgt Ion: 94 Resp: 22877

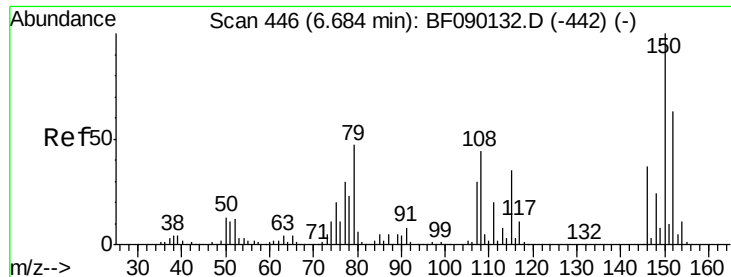
Ion Ratio Lower Upper

94 100

65 31.0 20.6 60.6

66 57.5 45.1 85.1

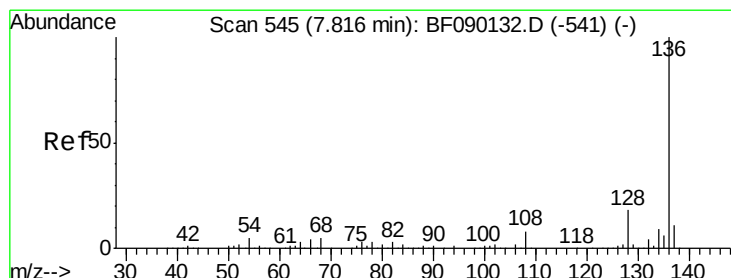
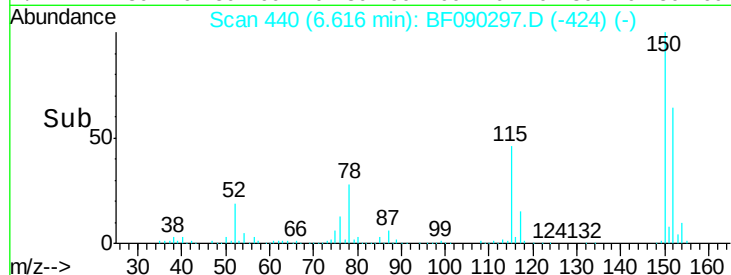
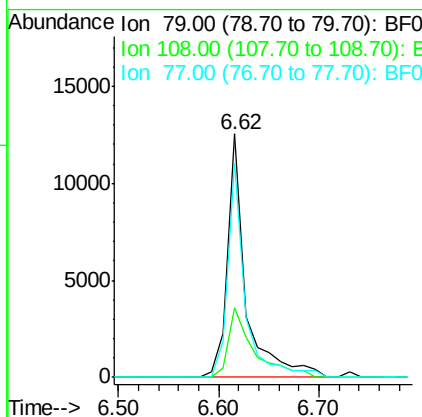
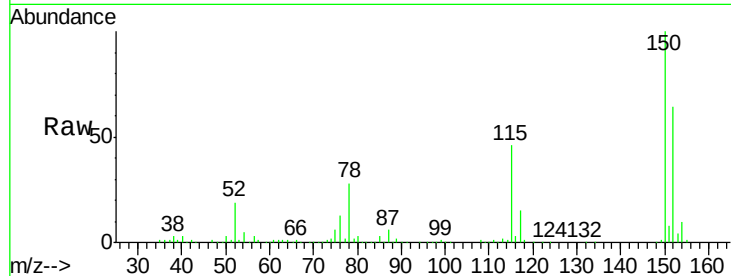




#15
Benzyl Alcohol
Concen: 2.80 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

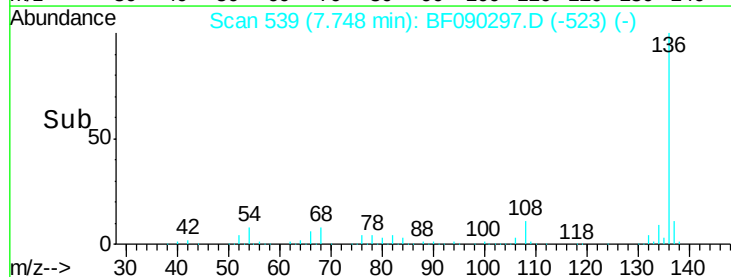
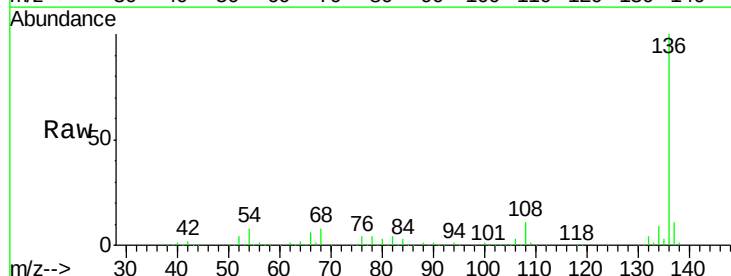
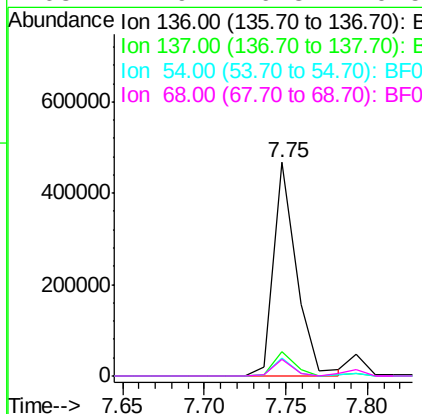
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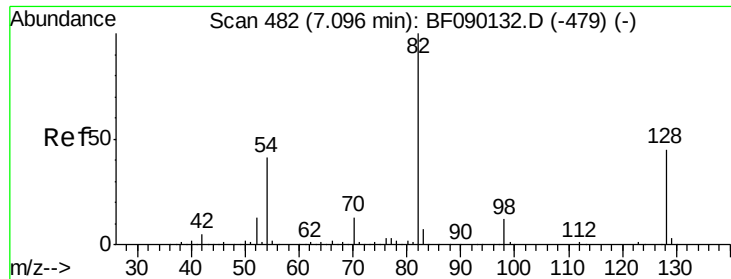
Tgt Ion: 79 Resp: 16071
Ion Ratio Lower Upper
79 100
108 28.4 62.2 93.4#
77 87.7 51.4 77.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion: 136 Resp: 457156
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.5 6.4 9.6
68 7.9 6.3 9.5

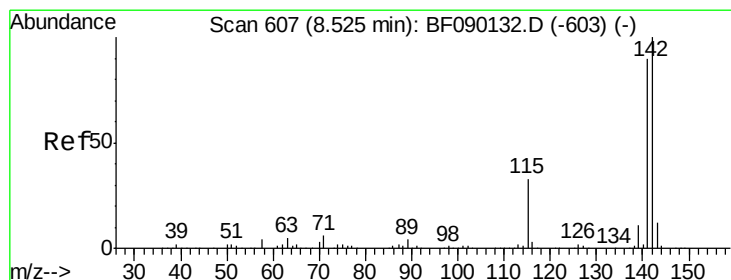
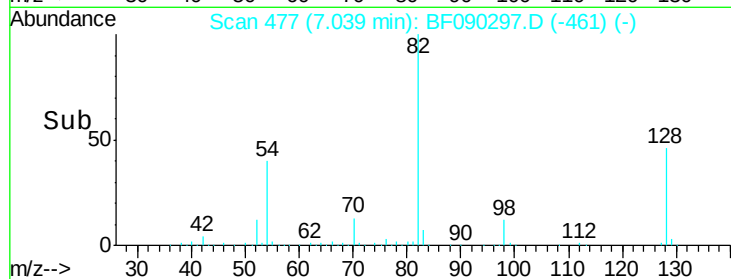
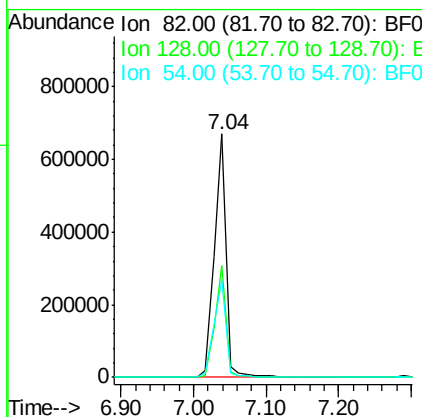
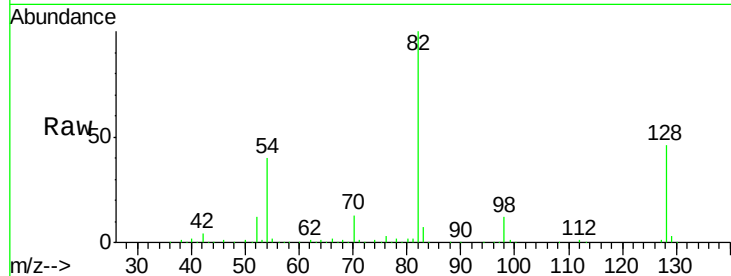




#23
 Nitrobenzene-d5
 Concen: 95.52 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

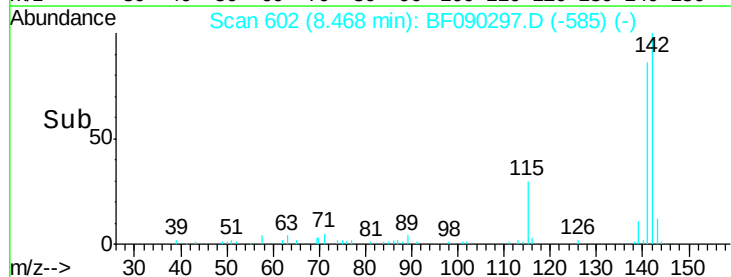
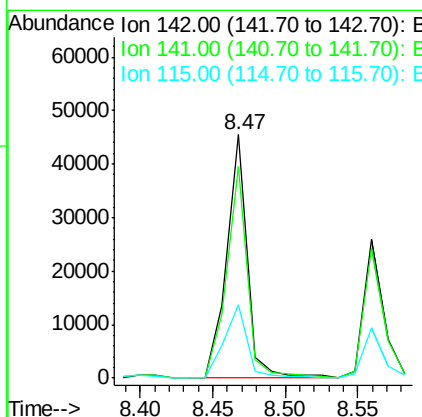
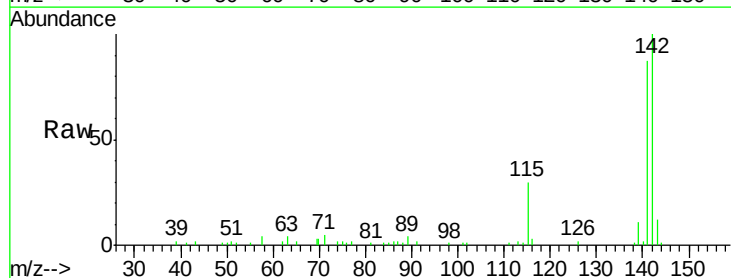
Instrument :
 BNA_F
 ClientSampled :
 S-29

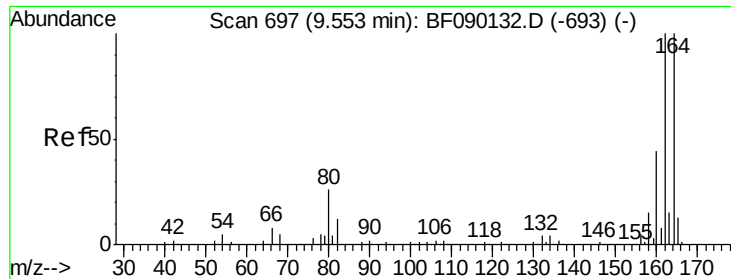
Tgt Ion: 82 Resp: 753298
 Ion Ratio Lower Upper
 82 100
 128 45.8 37.5 56.3
 54 40.1 31.9 47.9



#37
 2-Methylnaphthalene
 Concen: 3.33 ng
 RT: 8.47 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion: 142 Resp: 45099
 Ion Ratio Lower Upper
 142 100
 141 87.0 71.4 107.2
 115 30.3 28.3 42.5

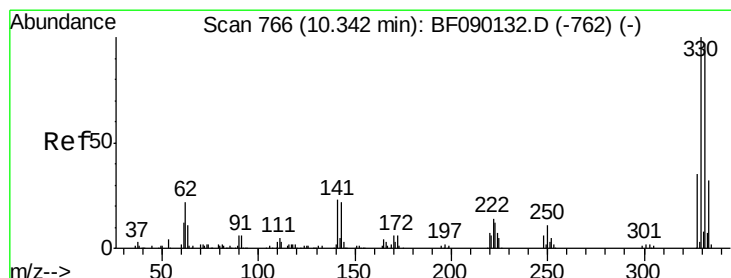
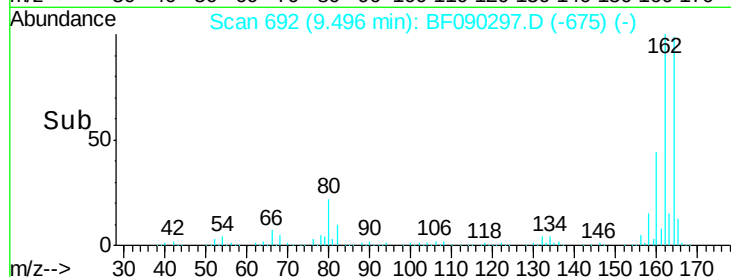
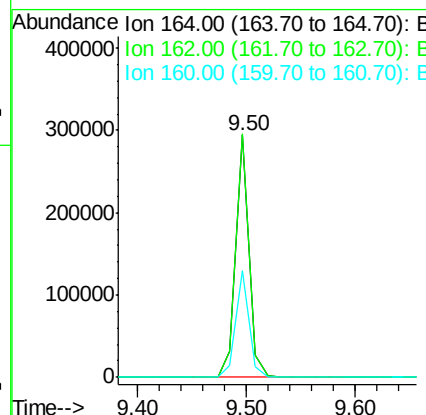
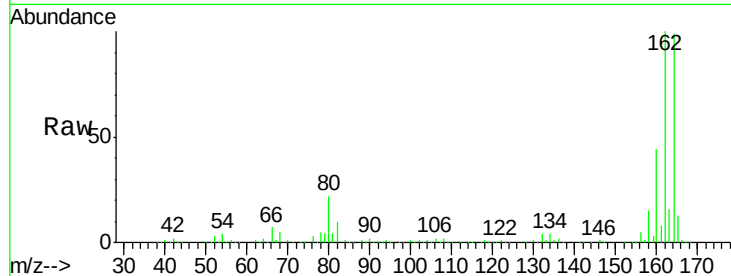




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

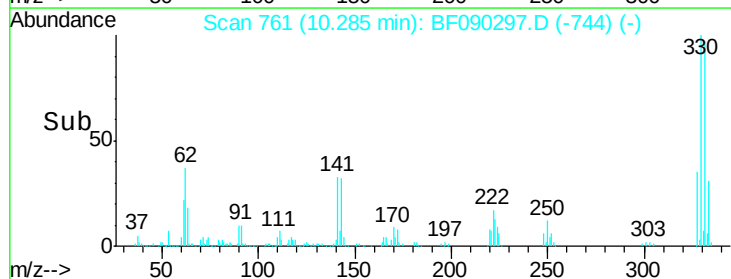
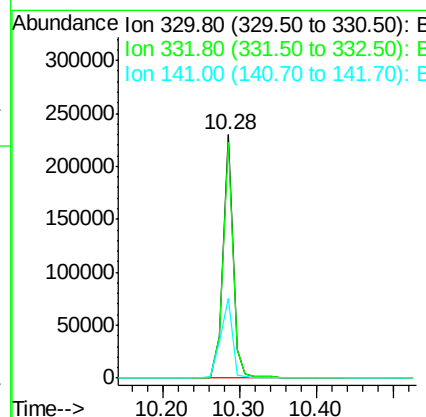
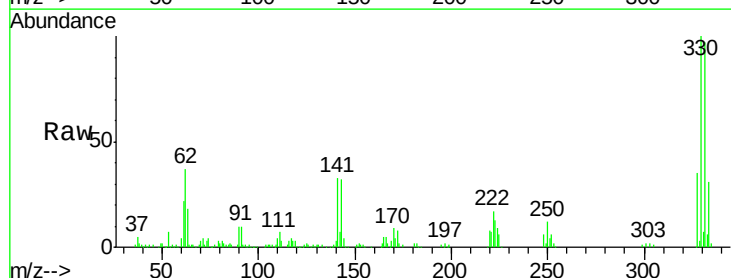
Instrument :
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 ClientSampleId :
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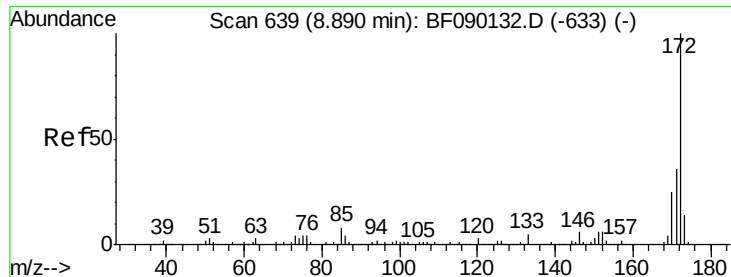
Tgt Ion	Resp	Lower	Upper
164	100		
162	100.7	81.4	122.2
160	43.9	36.6	54.8



#41
 2,4,6-Tribromophenol
 Concen: 100.50 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion	Resp	Lower	Upper
330	100		
332	97.3	78.1	117.1
141	38.4	23.9	35.9#

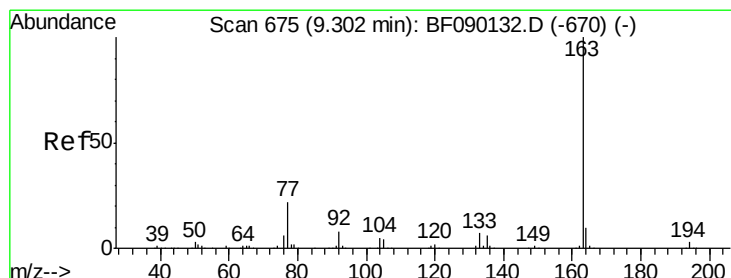
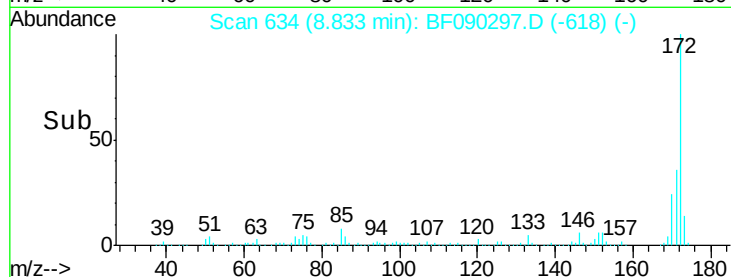
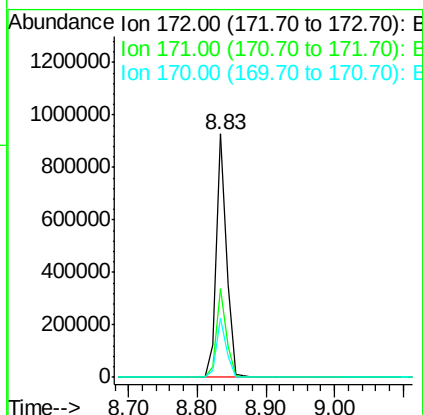
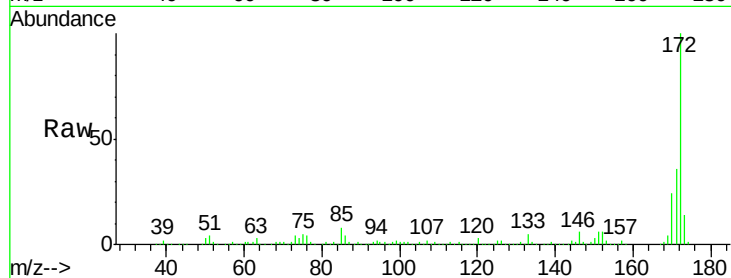




#44
 2-Fluorobiphenyl
 Concen: 79.48 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

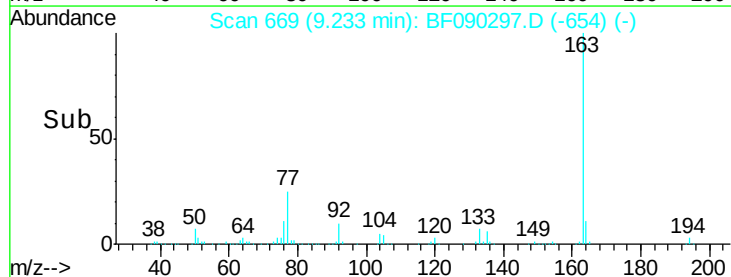
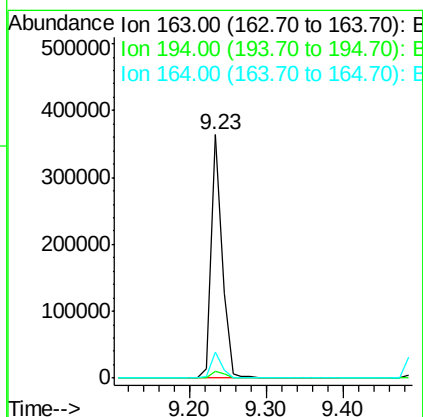
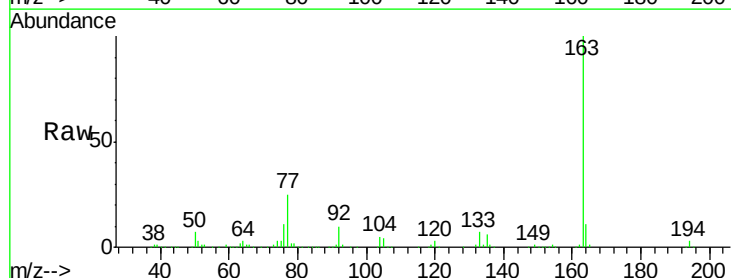
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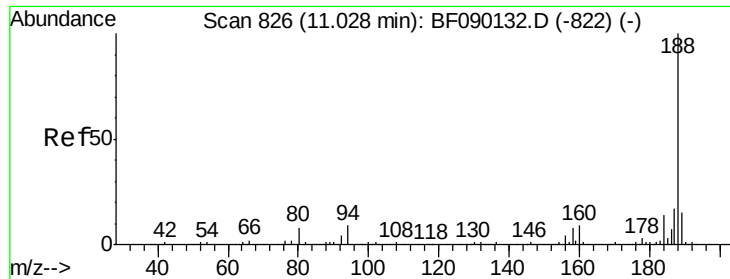
Tgt Ion:172 Resp: 992616
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.4 19.8 29.8



#49
 Dimethylphthalate
 Concen: 22.87 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion:163 Resp: 357217
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.7 8.1 12.1

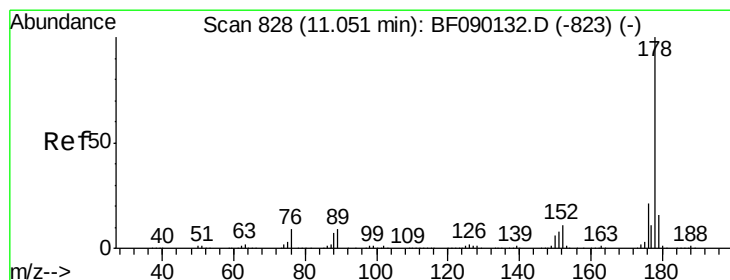
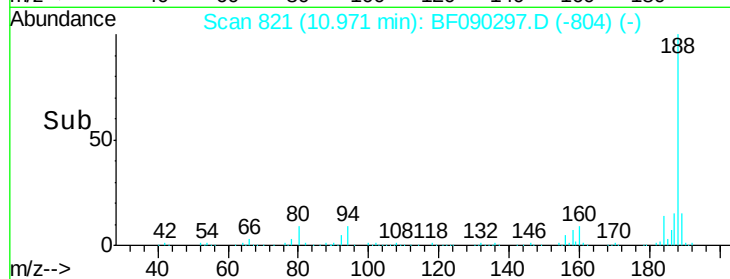
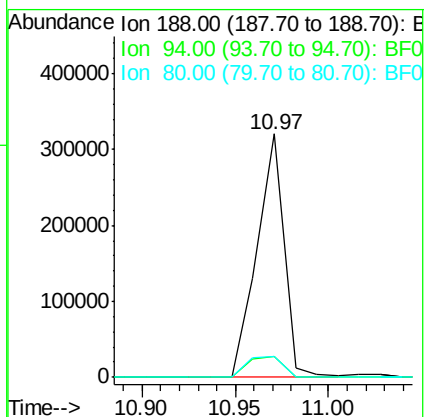
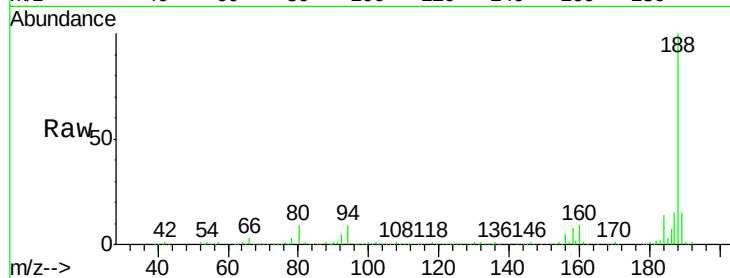




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

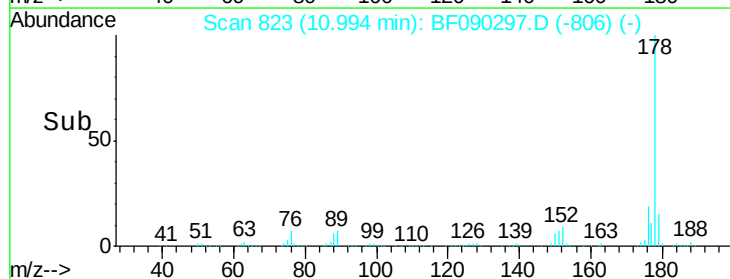
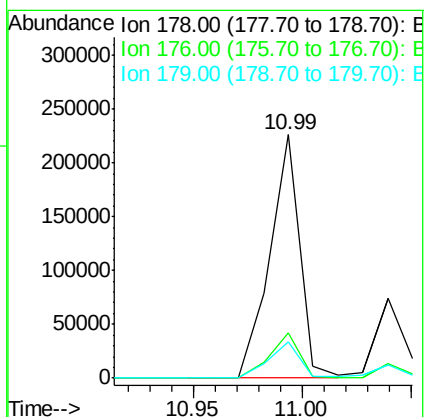
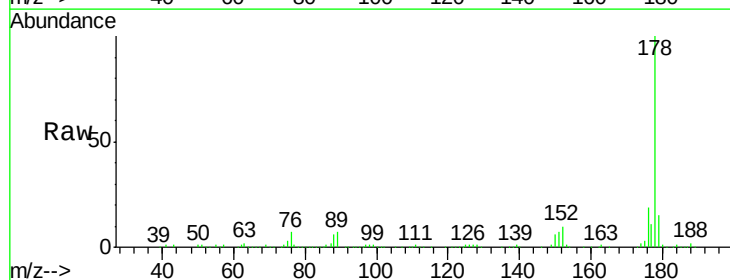
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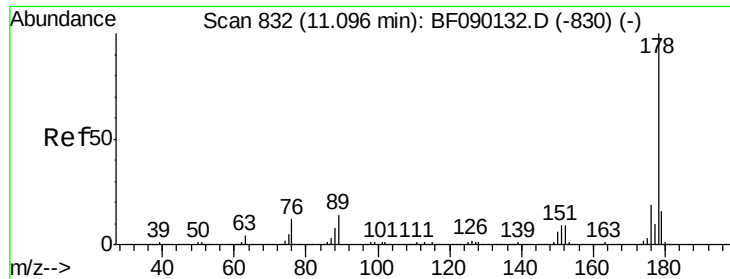
Tgt Ion:188 Resp: 322080
Ion Ratio Lower Upper
188 100
94 8.8 10.5 15.7#
80 8.6 11.2 16.8#



#70
Phenanthrene
Concen: 14.55 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion:178 Resp: 219223
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.0 12.9 19.3

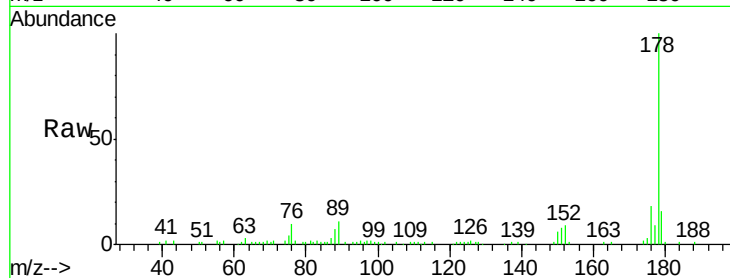




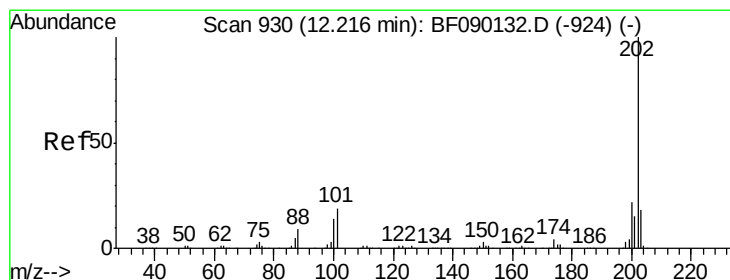
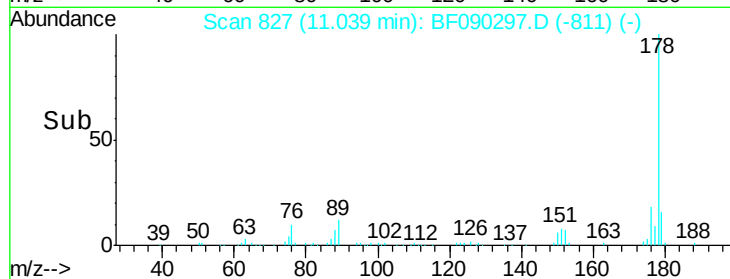
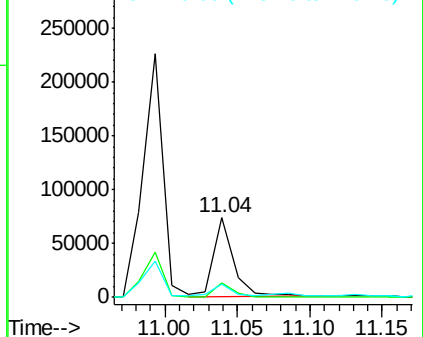
#71
 Anthracene
 Concen: 4.49 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Instrument :
 BNA_F
 ClientSampleId :
 S-29

Tgt Ion:178 Resp: 70979
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.6
 179 15.9 12.6 19.0

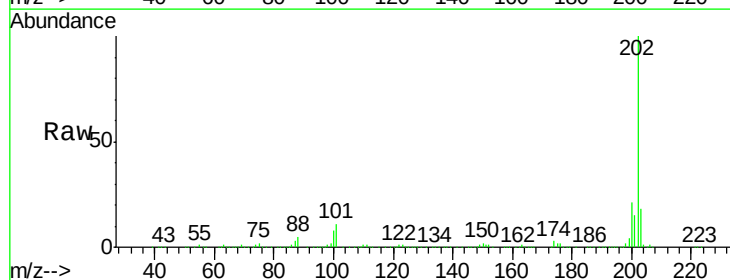


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

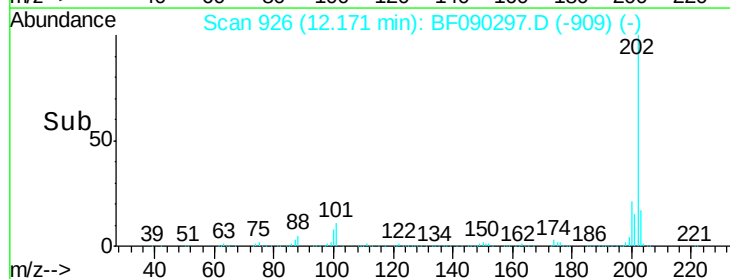
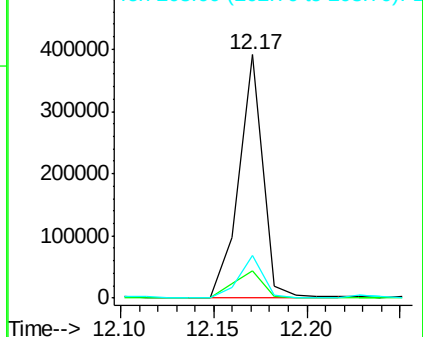


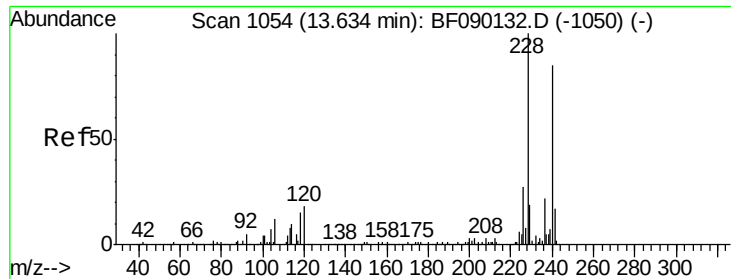
#74
 Fluoranthene
 Concen: 21.79 ng
 RT: 12.17 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion:202 Resp: 352295
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 36.1
 203 17.5 0.0 38.2



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: 13.59 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

ClientSampleId :

S-29

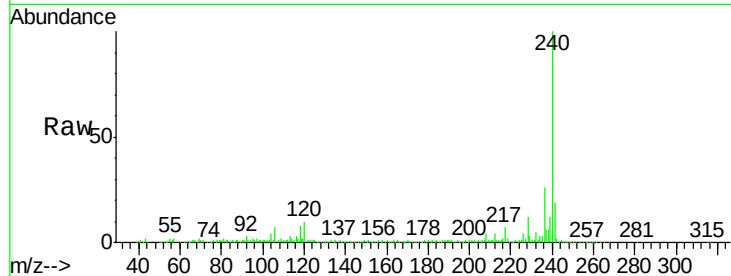
Tgt Ion:240 Resp: 249265

Ion Ratio Lower Upper

240 100

120 10.1 10.6 16.0#

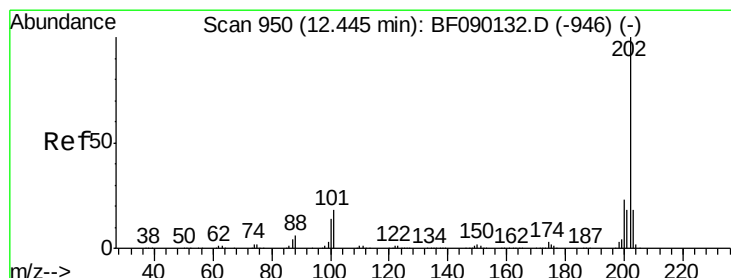
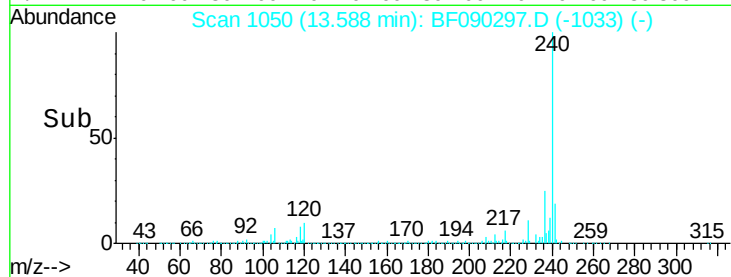
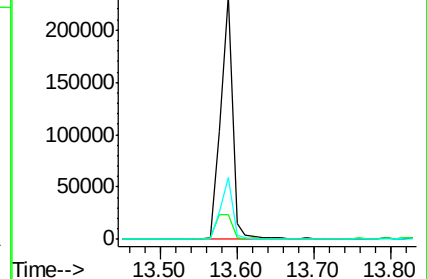
236 25.6 21.6 32.4



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: 17.83 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

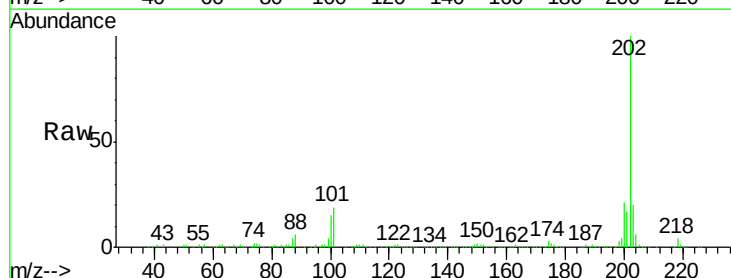
Tgt Ion:202 Resp: 304099

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

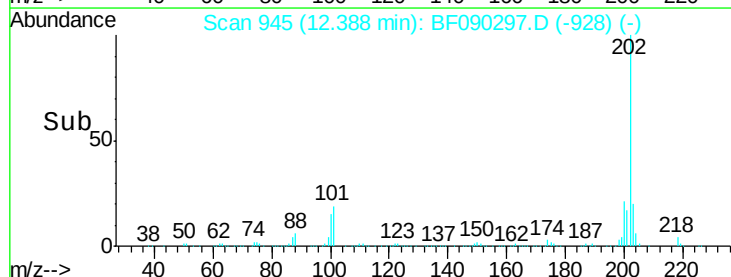
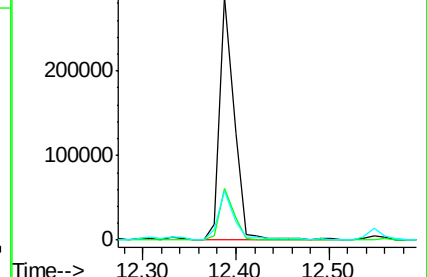
203 20.2 14.2 21.4

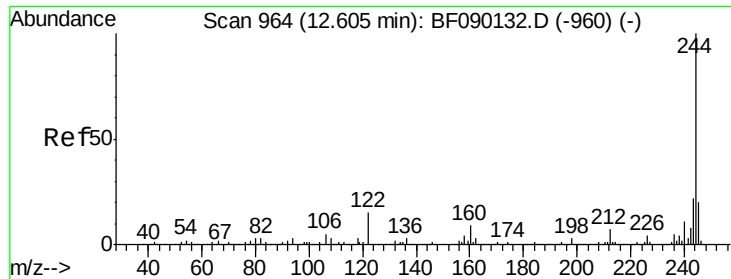


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

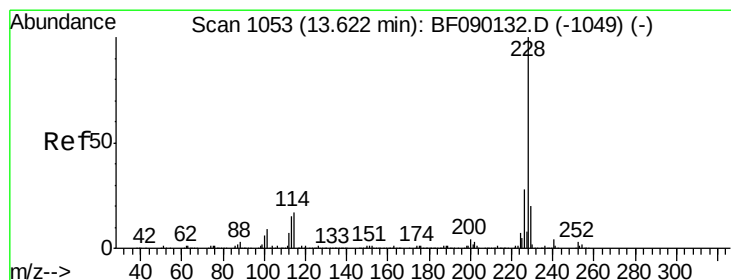
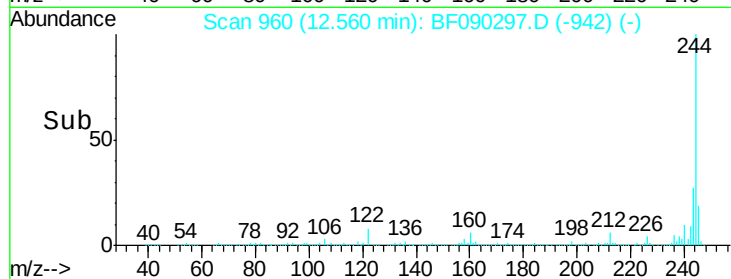
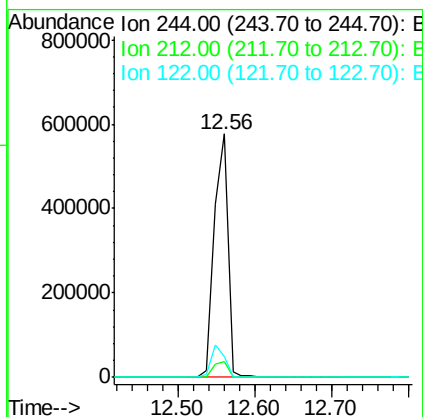
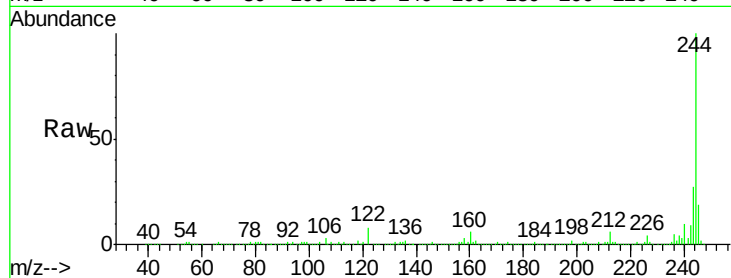




#78
 Terphenyl-d14
 Concen: 72.43 ng
 RT: 12.56 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

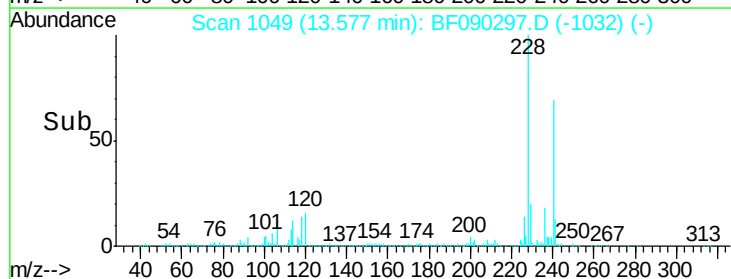
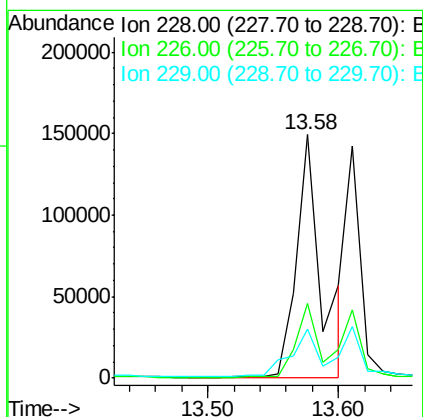
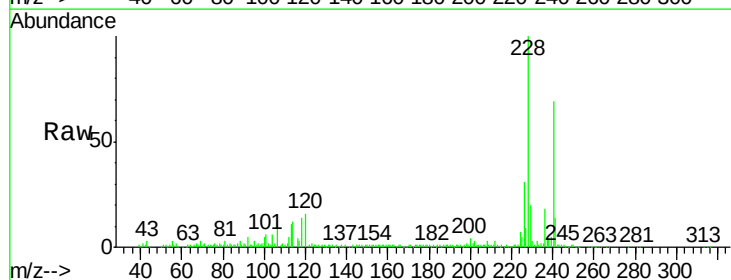
Instrument :
 BNA_F
 ClientSampleId :
 S-29

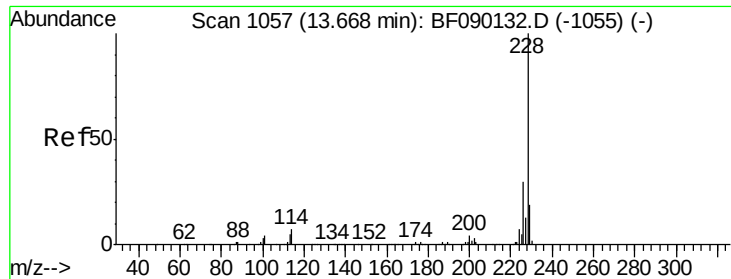
Tgt Ion:244 Resp: 711117
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 8.4 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 14.86 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion:228 Resp: 199239
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.0 33.0
 229 20.2 16.2 24.2





#82

Chrysene

Concen: 15.25 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.05 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

ClientSampleId :

S-29

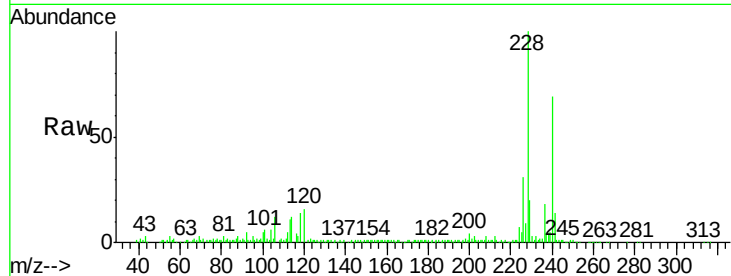
Tgt Ion:228 Resp: 199239

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

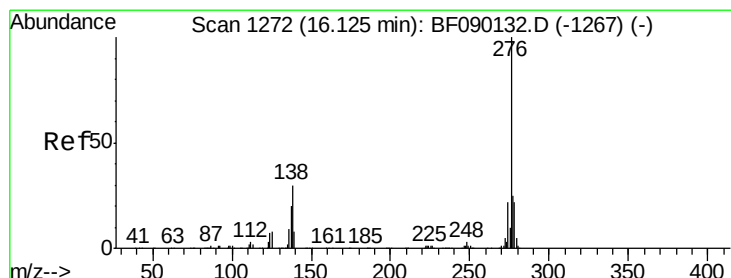
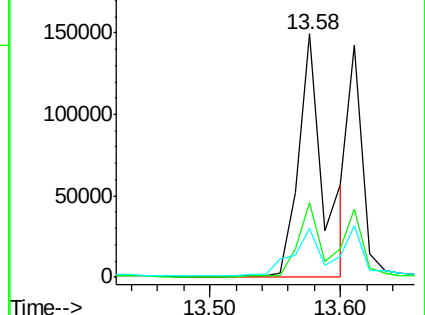
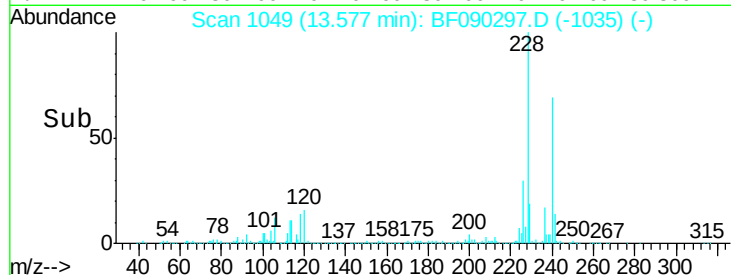
229 20.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.08 ng

RT: 16.06 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

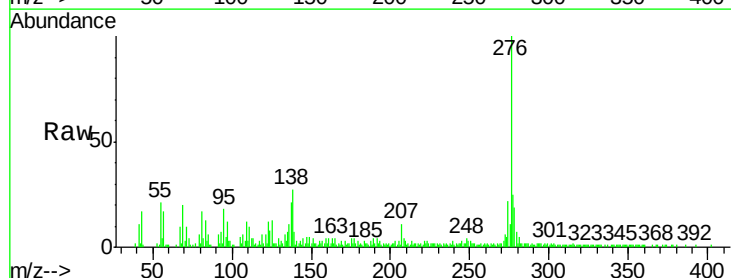
Tgt Ion:276 Resp: 74759

Ion Ratio Lower Upper

276 100

138 26.2 25.9 38.9

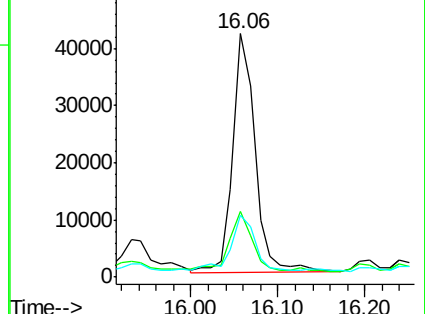
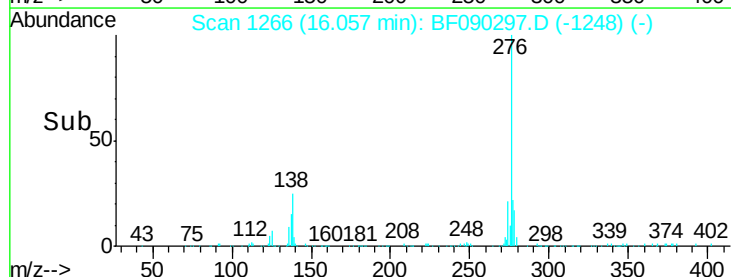
277 26.9 19.9 29.9

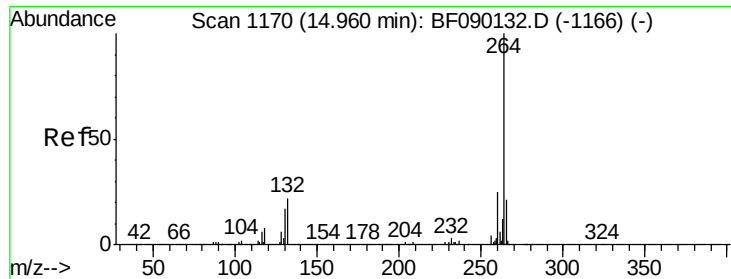


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

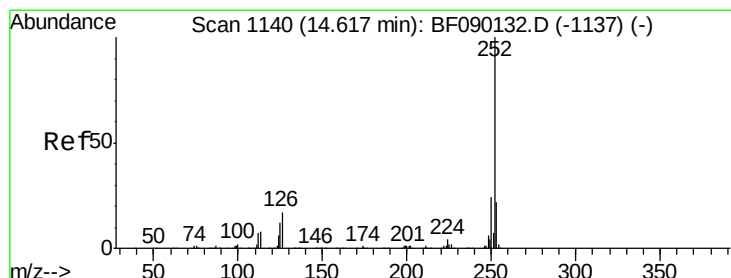
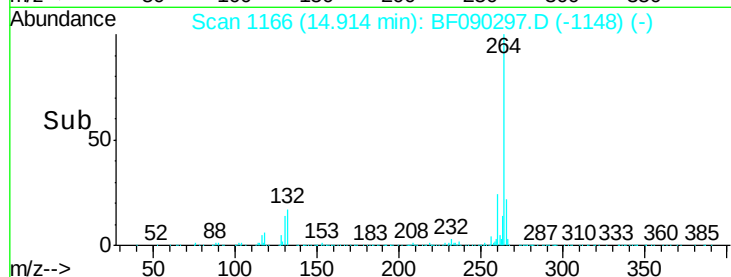
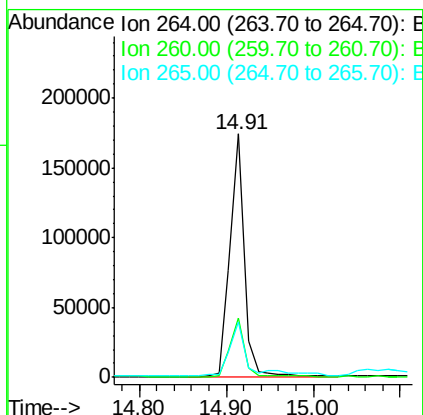
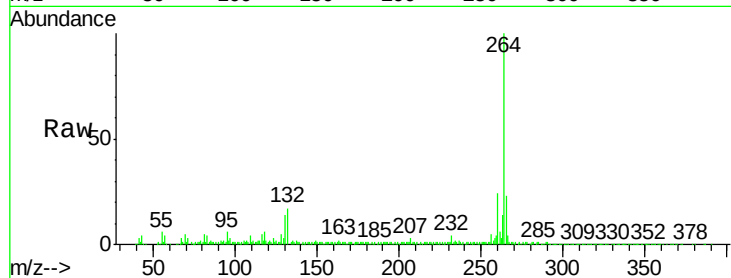




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

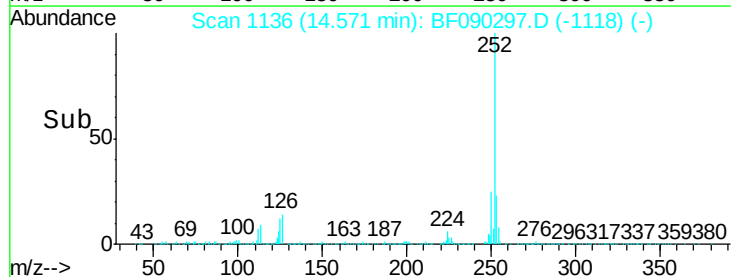
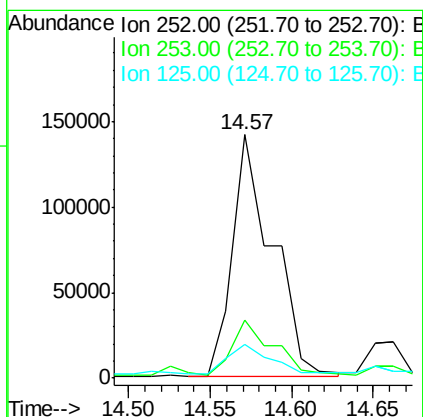
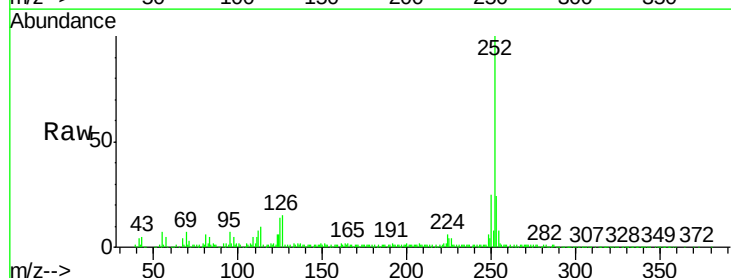
Instrument :
BNA_F
ClientSampleId :
S-29

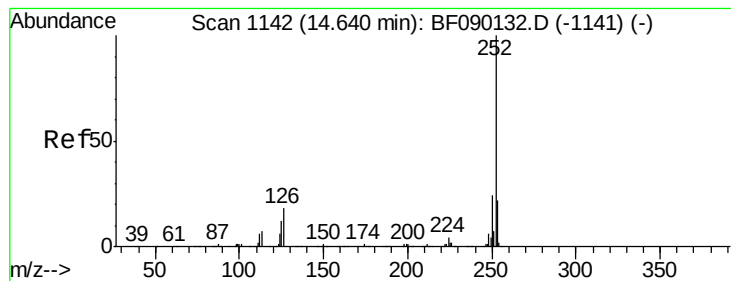
Tgt Ion: 264 Resp: 198953
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.9 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 21.60 ng
RT: 14.57 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion: 252 Resp: 237926
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 13.9 12.7 19.1





#88

Benzo(k)fluoranthene

Concen: 23.01 ng

RT: 14.57 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

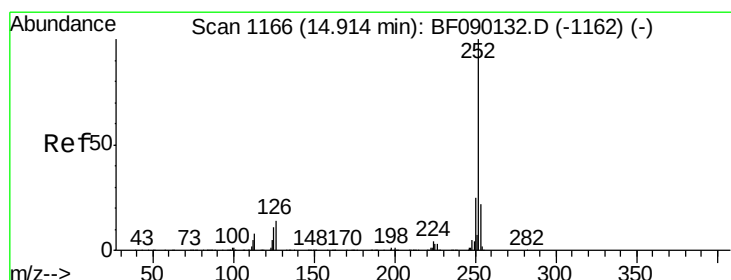
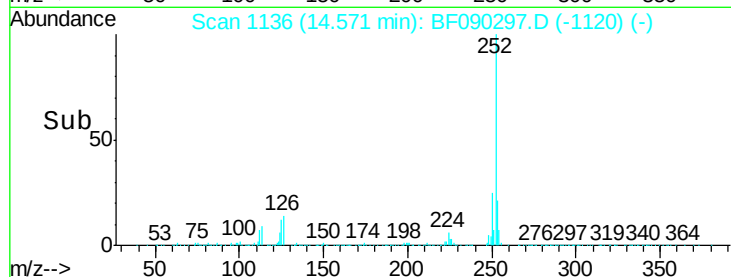
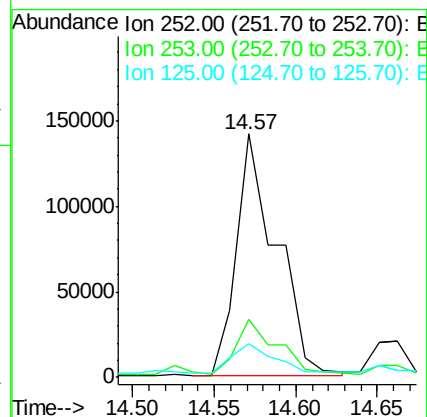
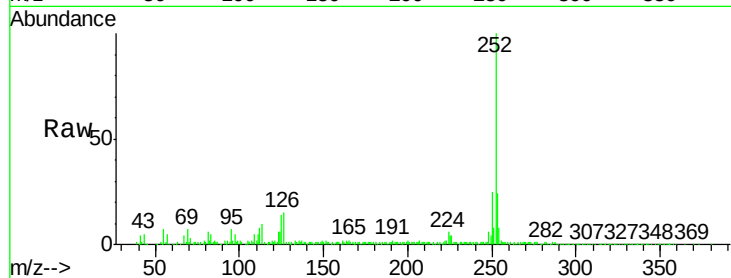
Instrument :

BNA_F

ClientSampleId :

S-29

Tgt Ion:	252	Resp:	237926
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	13.9	7.8	11.6#



#89

Benzo(a)pyrene

Concen: 11.67 ng

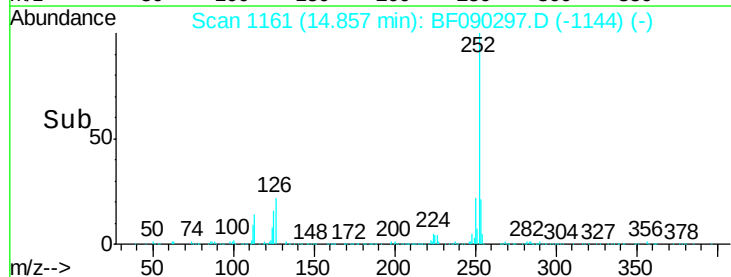
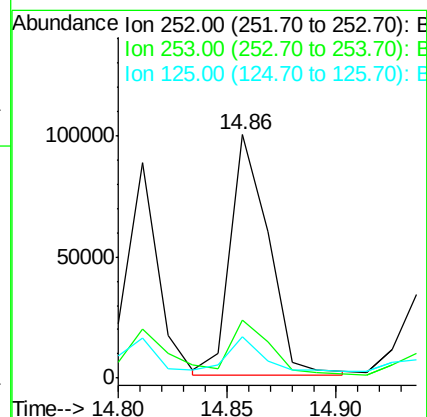
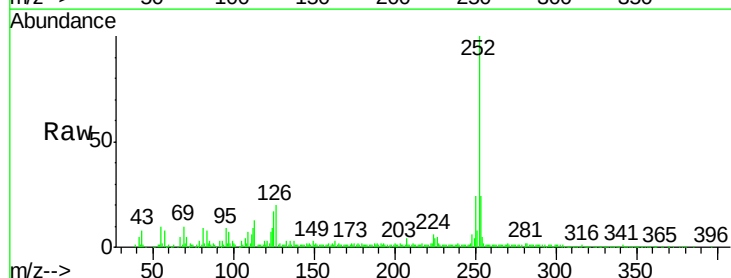
RT: 14.86 min Scan# 1161

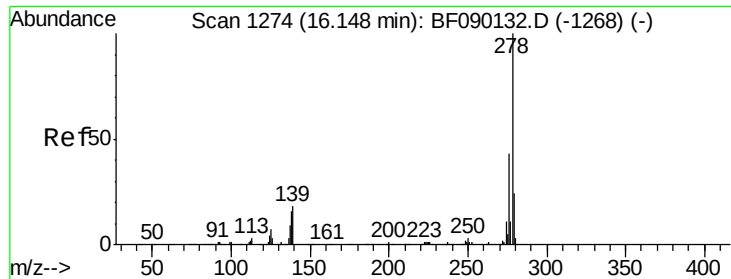
Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Tgt Ion:	252	Resp:	120964
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	17.2	7.7	11.5#





#90

Dibenzo(a,h)anthracene

Concen: 2.57 ng

RT: 16.07 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

ClientSampled :

S-29

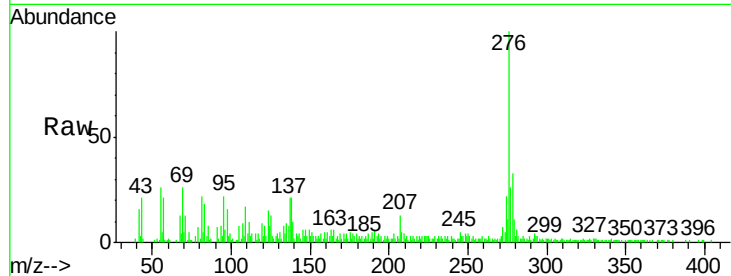
Tgt Ion:278 Resp: 20778

Ion Ratio Lower Upper

278 100

139 30.2 14.6 21.8#

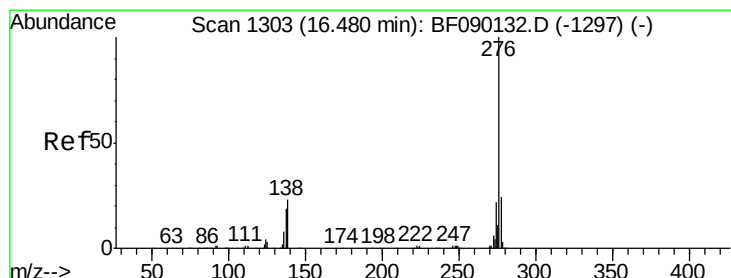
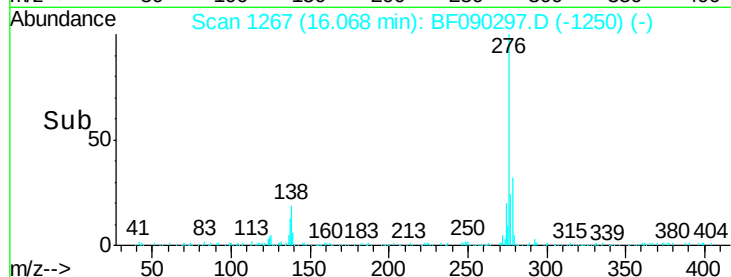
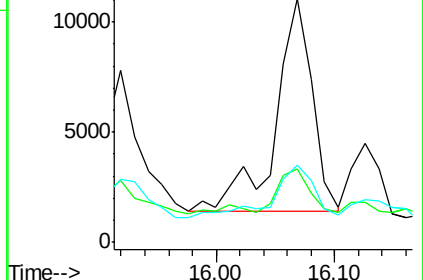
279 31.9 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.69 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

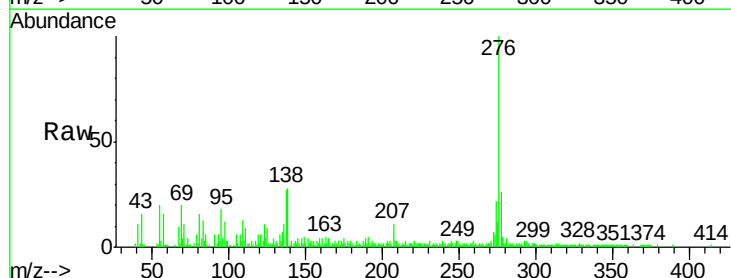
Tgt Ion:276 Resp: 68820

Ion Ratio Lower Upper

276 100

277 26.4 18.9 28.3

138 27.5 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

