

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086260.D
 Acq On : 16 Apr 2016 12:34
 Operator : UM/SJ
 Sample : H2471-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4

Manual Integrations
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Quant Time: Apr 18 17:46:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	273762	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1146828	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	486528	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	874432	20.00	ng	0.00
75) Chrysene-d12	14.05	240	483435	20.00	ng	0.00
86) Perylene-d12	15.48	264	490846	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1698356	101.65	ng	0.01
7) Phenol-d6	6.52	99	2190902	104.83	ng	0.00
23) Nitrobenzene-d5	7.46	82	1429276	71.88	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	361936	92.64	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1697864	64.40	ng	-0.01
78) Terphenyl-d14	13.00	244	1370031	71.26	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	445642	12.60	ng	98
51) Acenaphthene	9.96	154	187350	6.89	ng	98
54) Dibenzofuran	10.13	168	117542	3.27	ng	97
57) Fluorene	10.48	166	223284	5.89	ng	99
70) Phenanthrene	11.44	178	1651697	39.55	ng	100
71) Anthracene	11.49	178	666707	12.68	ng	97
72) Carbazole	11.64	167	213005	5.36	ng	96
74) Fluoranthene	12.62	202	1637457	45.63	ng	99
77) Pyrene	12.85	202	1427734	38.50	ng	99
80) Benzo(a)anthracene	14.04	228	699356	26.35	ng	99
82) Chrysene	14.08	228	547513m	19.35	ng	
85) Indeno(1,2,3-cd)pyrene	16.89	276	275548	11.85	ng	97
87) Benzo(b)fluoranthene	15.07	252	572936m	18.92	ng	
88) Benzo(k)fluoranthene	15.09	252	262021m	9.49	ng	
89) Benzo(a)pyrene	15.17	252	105228	4.01	ng	94
90) Dibenzo(a,h)anthracene	16.90	278	66071m	2.85	ng	
91) Benzo(g,h,i)perylene	17.31	276	262353	10.64	ng	96

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

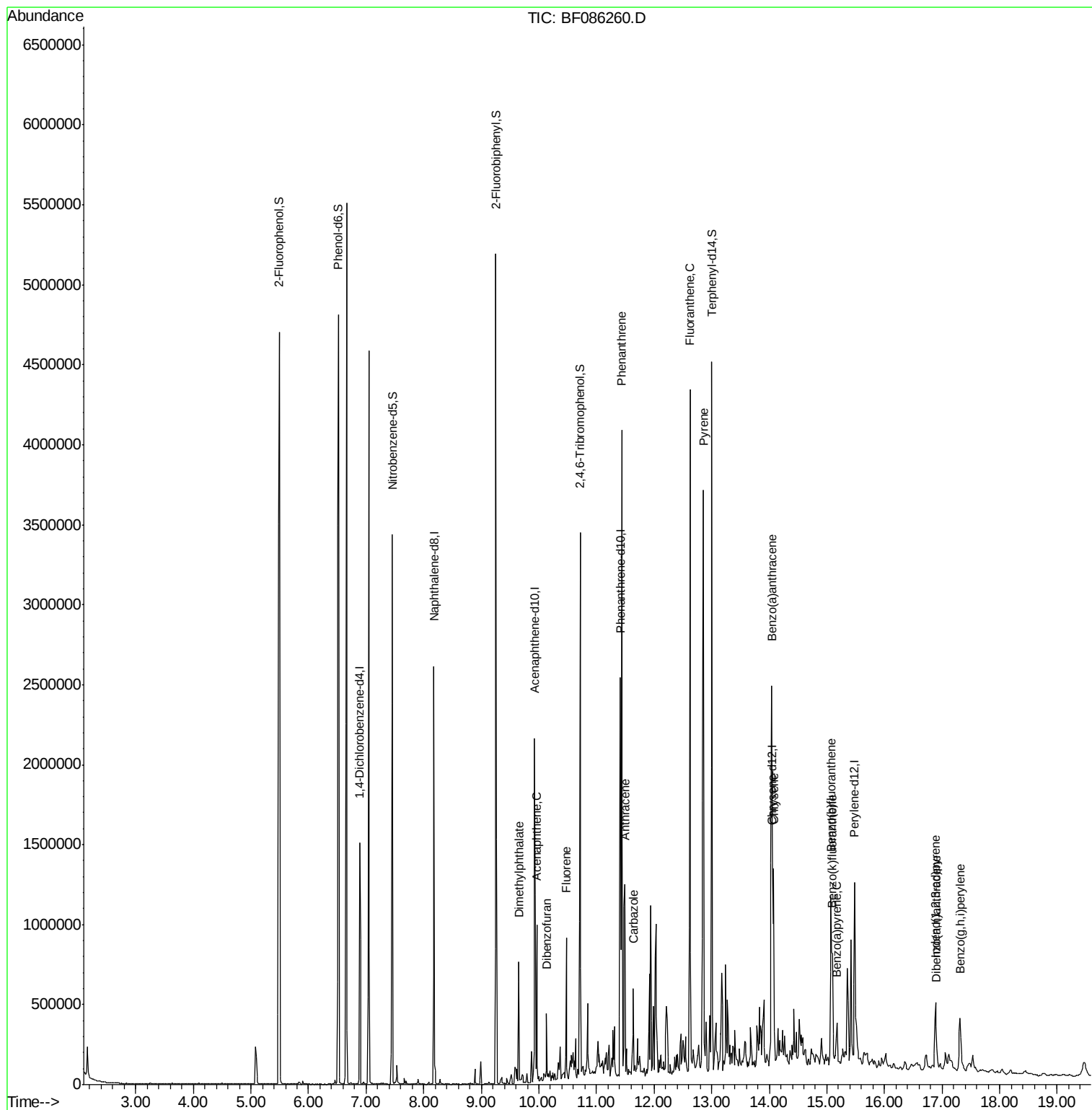
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
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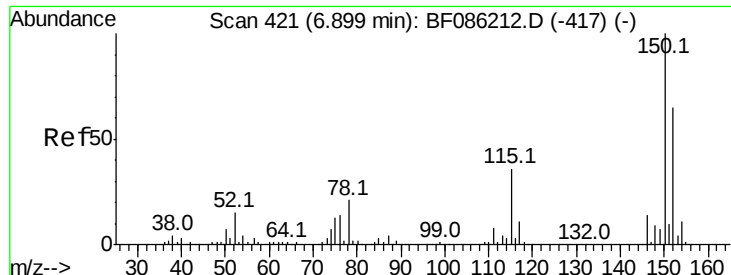
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#1

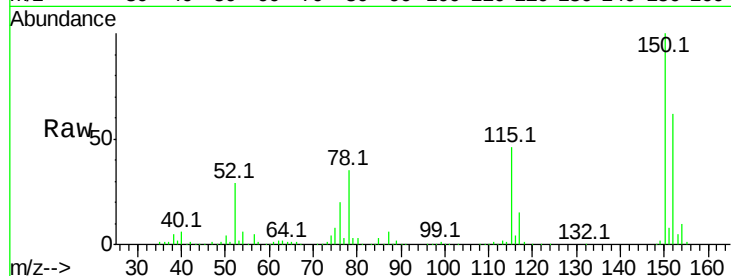
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Instrument :
BNA_F
ClientSampleId :
CDMSH4

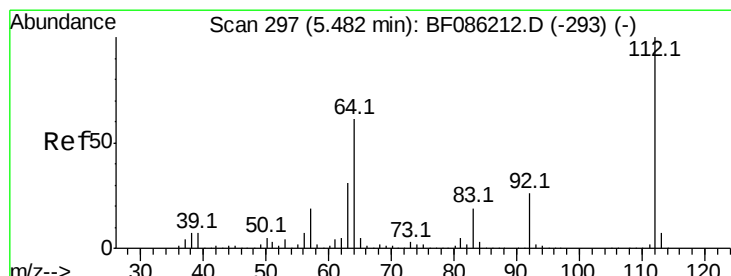
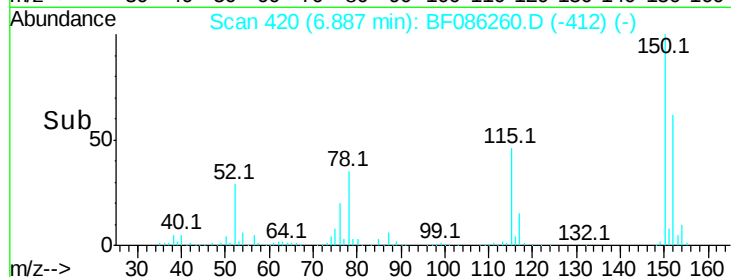
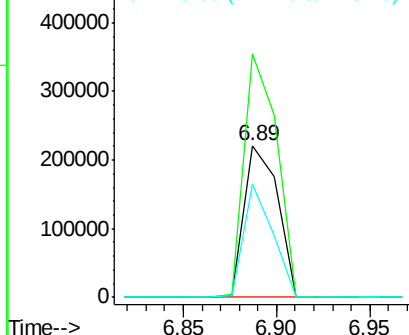
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.1	186.1
115	74.3	43.9	65.9

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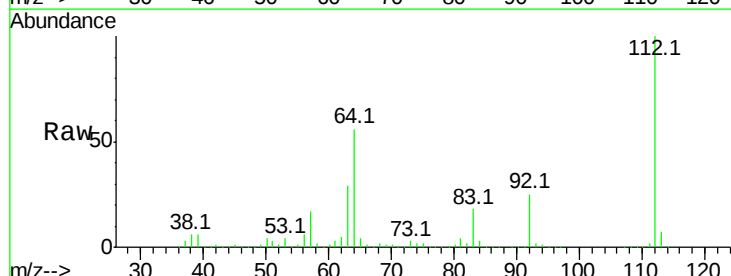
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



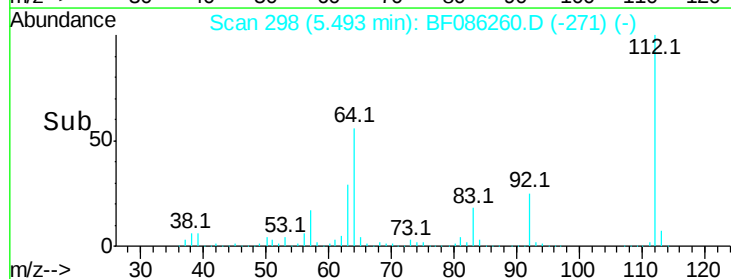
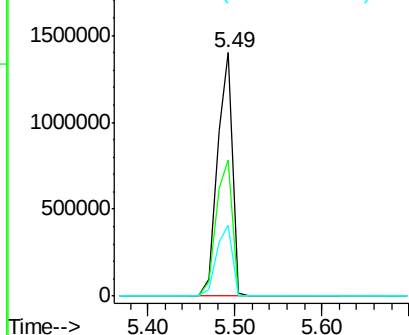
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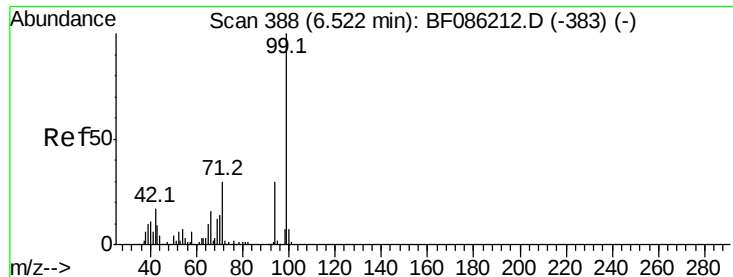
2-Fluorophenol
Concen: 101.65 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	48.1	72.1
63	28.9	25.5	38.3



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: 104.83 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

ClientSampleId :

CDMSH4

Tot Ion: 99 Resp: 2190902

Ion Ratio Lower Upper

99 100

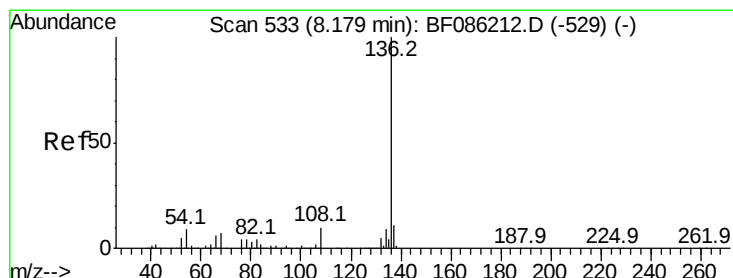
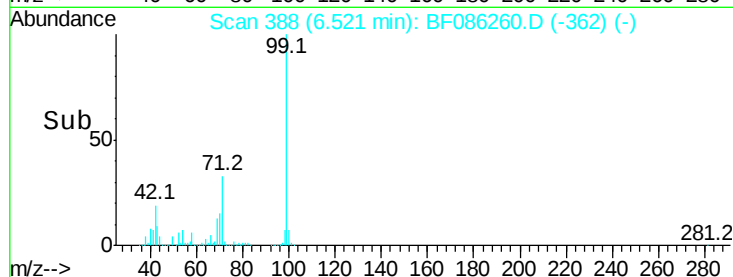
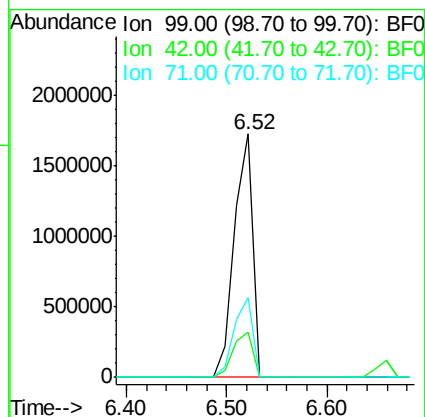
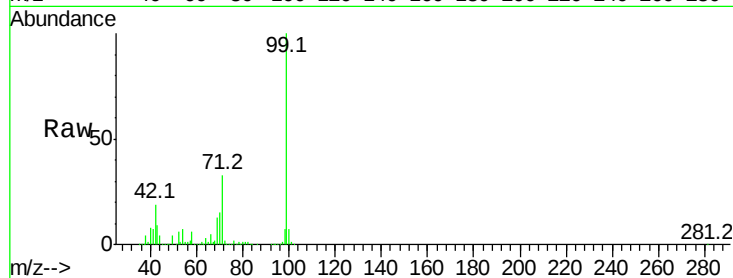
42 18.5 15.4 23.2

71 32.7 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Tgt Ion: 136 Resp: 1146828

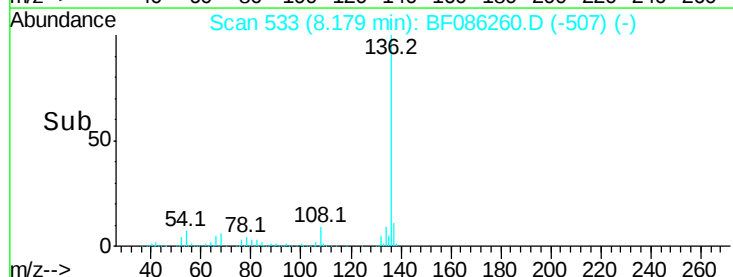
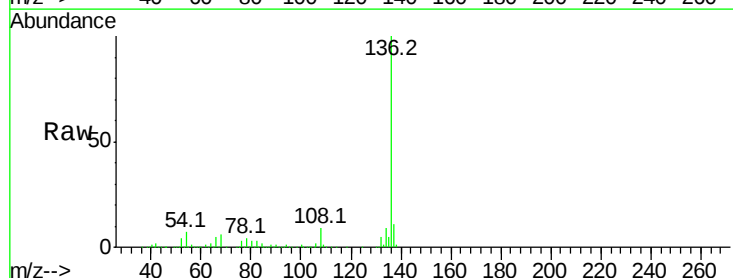
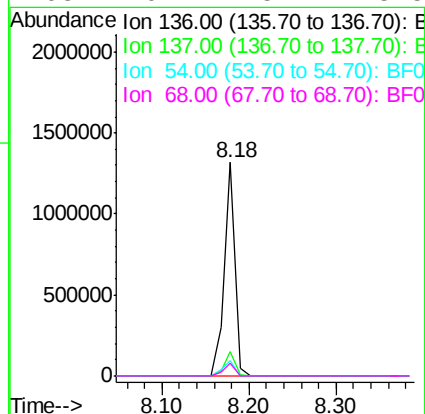
Ion Ratio Lower Upper

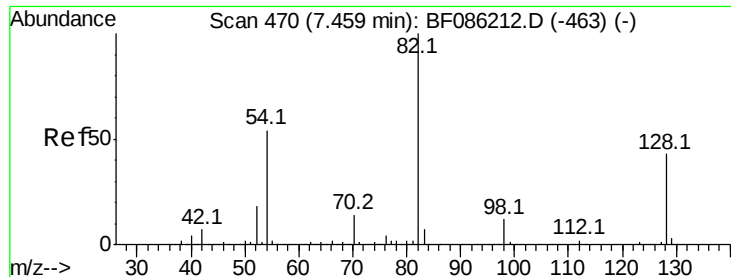
136 100

137 11.3 9.1 13.7

54 7.3 7.3 10.9

68 6.1 5.7 8.5





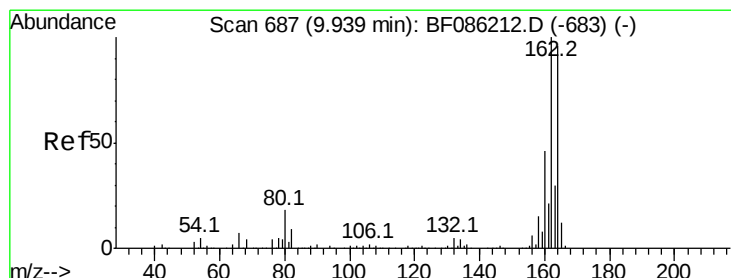
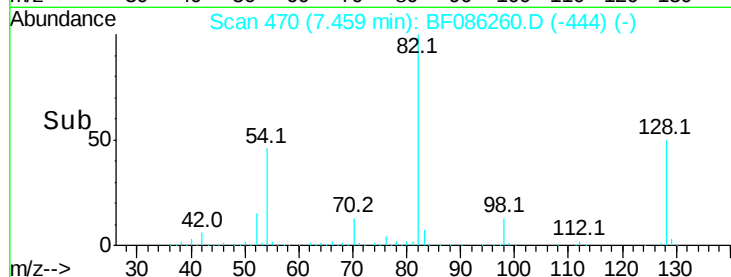
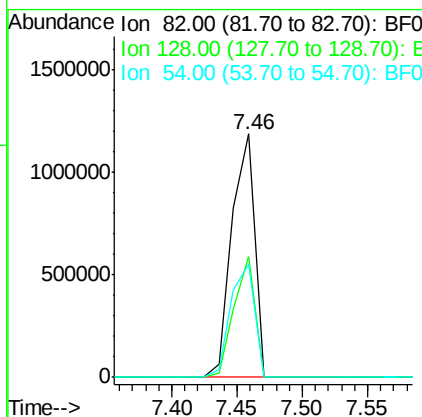
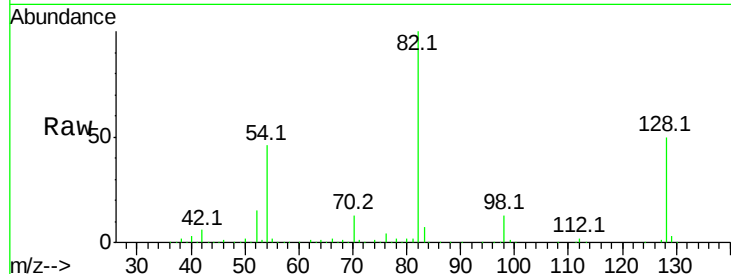
#23
 Nitrobenzene-d5
 Concen: 71.88 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	35.4	53.2
54	46.4	43.4	65.0

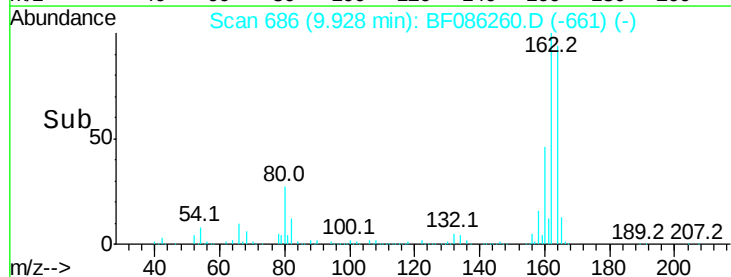
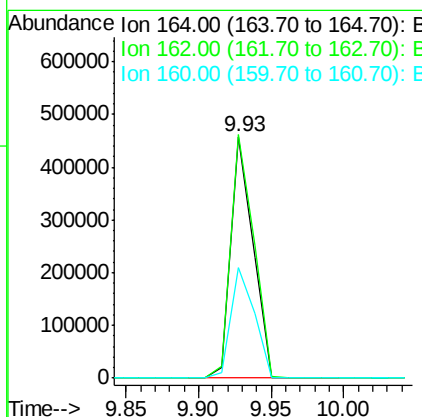
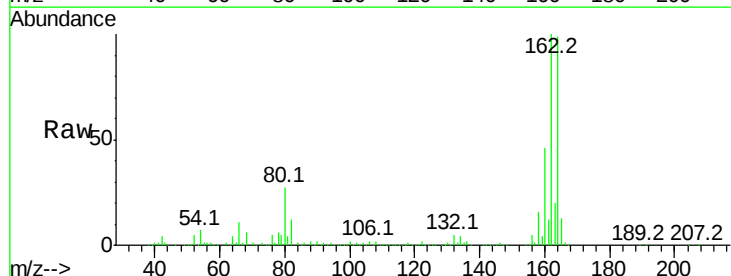
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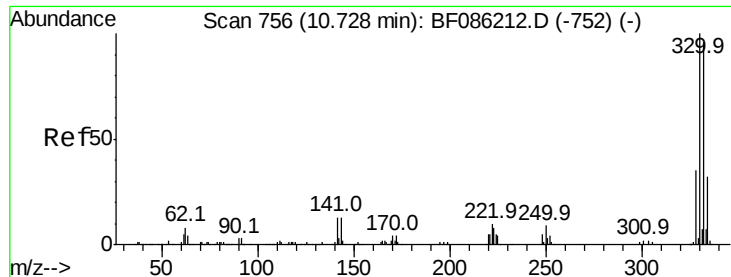
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.8	124.2
160	46.0	38.9	58.3





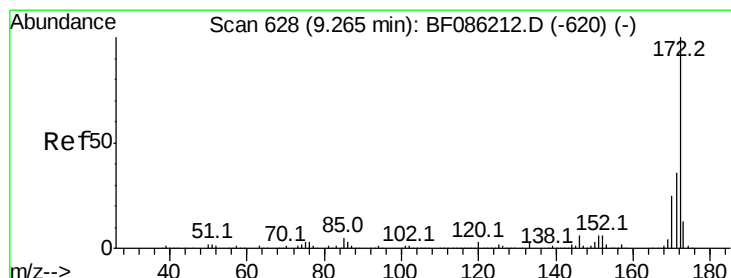
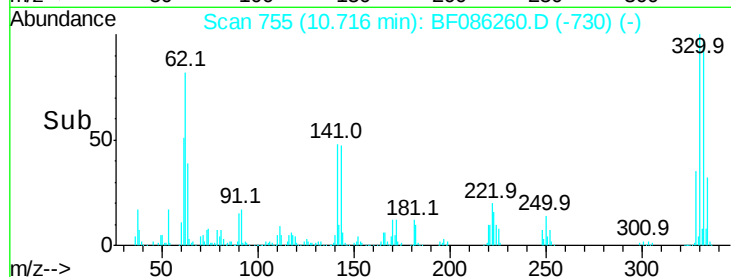
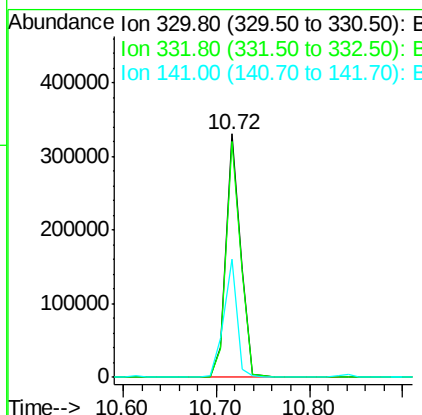
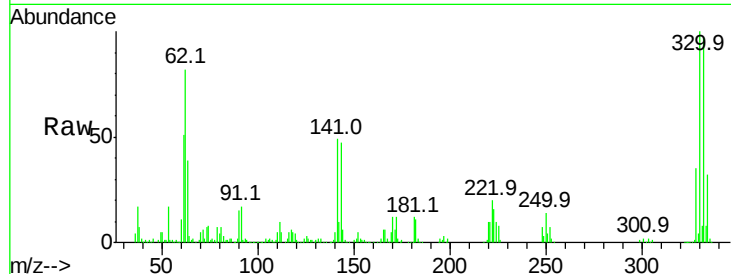
#41
 2,4,6-Tribromophenol
 Concen: 92.64 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	361936		
332	97.2	78.7	118.1	
141	43.7	28.6	42.8#	

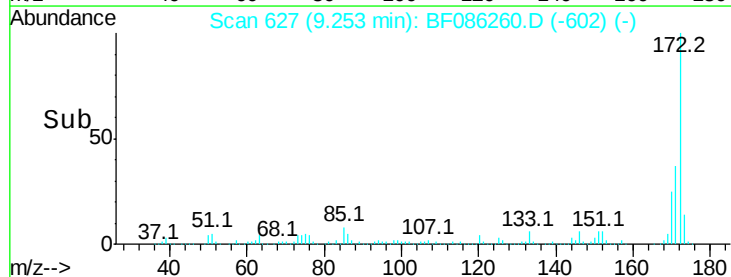
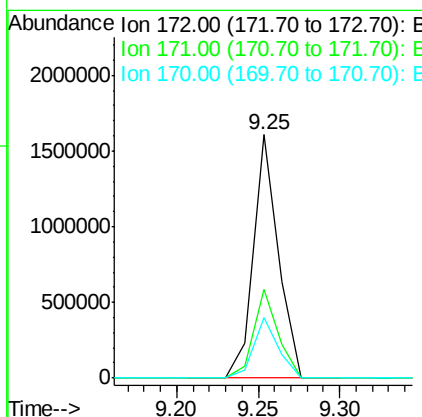
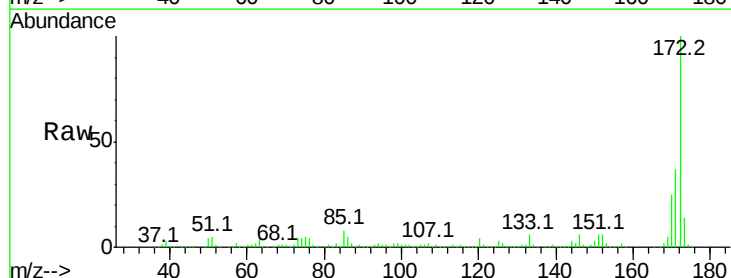
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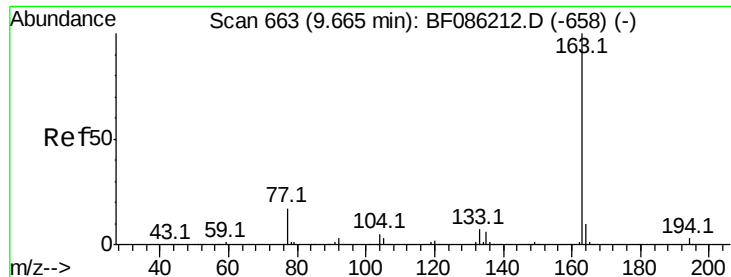
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#44
 2-Fluorobiphenyl
 Concen: 64.40 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1697864		
171	36.6	29.1	43.7	
170	25.0	19.9	29.9	





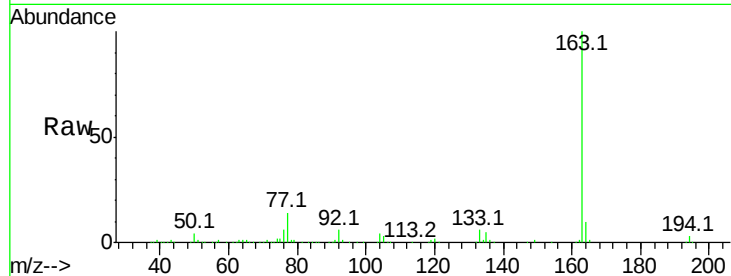
#49
Dimethylphthalate
Concen: 12.60 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Instrument :
BNA_F
ClientSampled :
CDMSH4

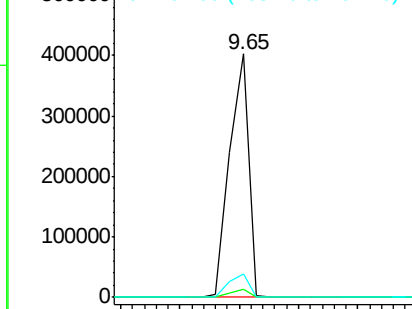
Tot Ion	Ratio	Resp	Lower	Upper
163	100	445642		
194	3.4		2.8	4.2
164	9.6		8.4	12.6

Manual Integrations
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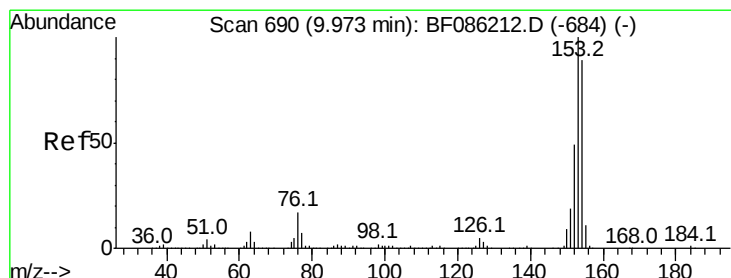
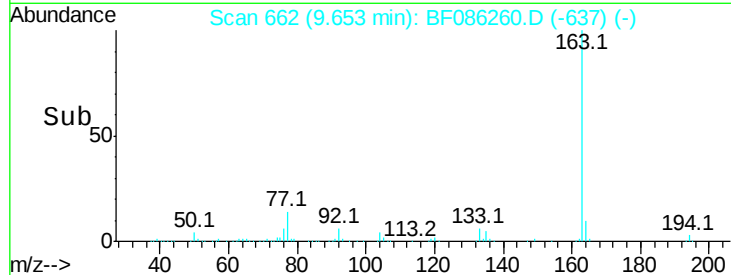
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

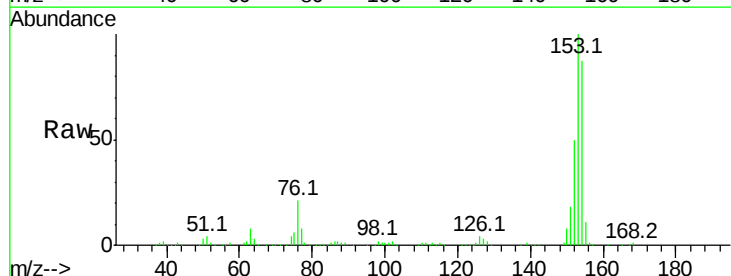


Time--> 9.55 9.60 9.65 9.70 9.75

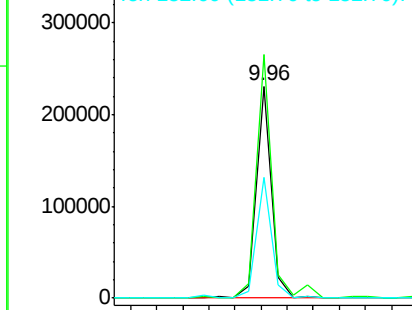


#51
Acenaphthene
Concen: 6.89 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

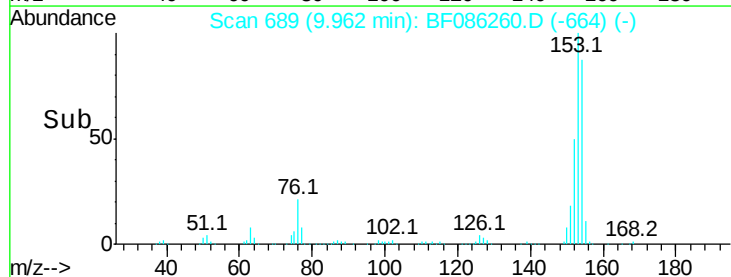
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	187350		
153	115.0		90.0	135.0
152	57.3		44.3	66.5

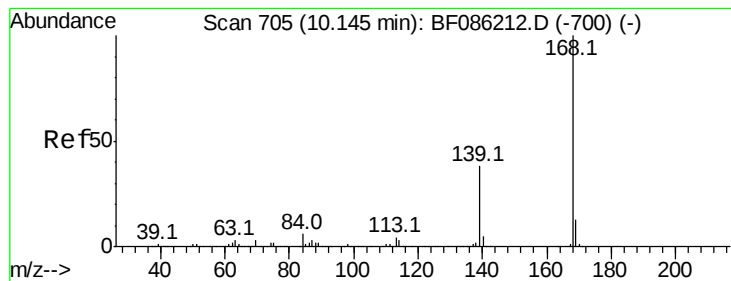


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time--> 9.90 9.95 10.00





#54

Dibenzenofuran

Concen: 3.27 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

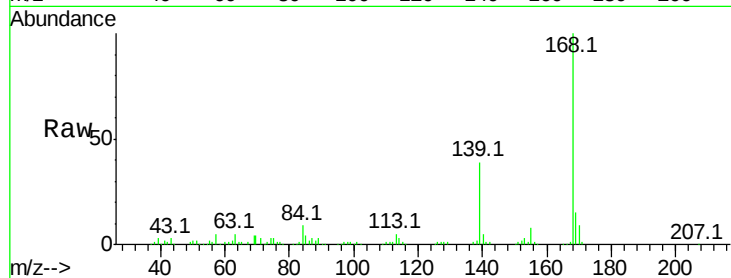
ClientSampleId :

CDMSH4

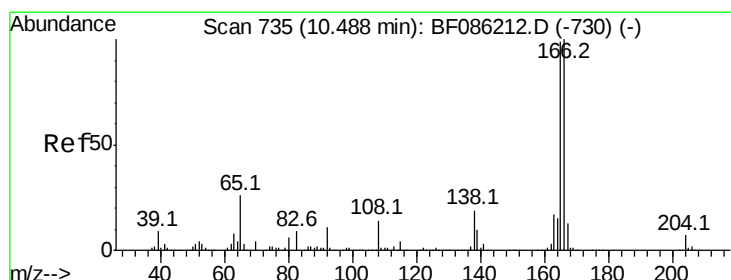
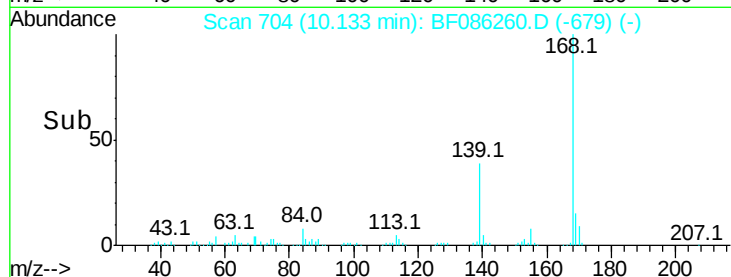
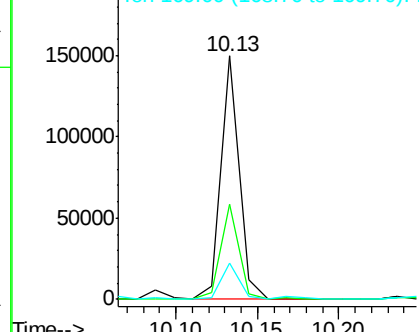
Tot Ion:	168	Resp:	117542
Ion Ratio	Lower	Upper	
168	100		
139	38.9	29.5	44.3
169	14.8	10.6	16.0

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 5.89 ng

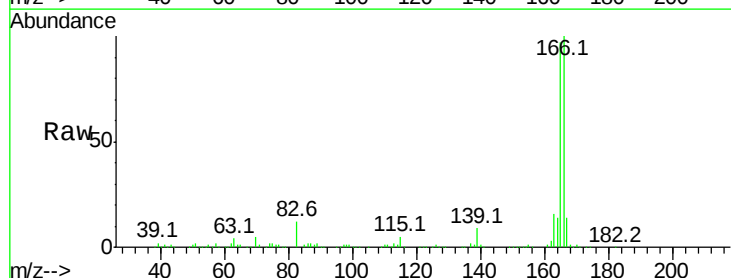
RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

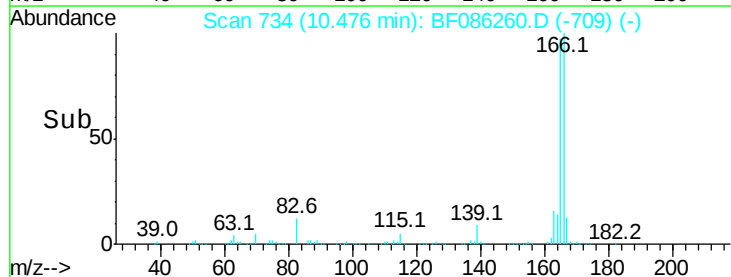
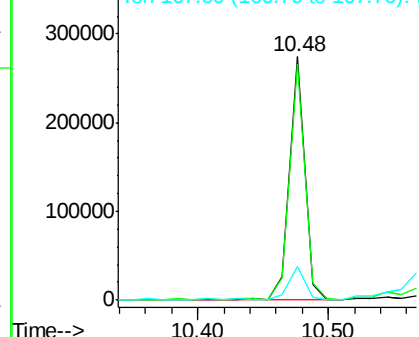
Lab File: BF086260.D

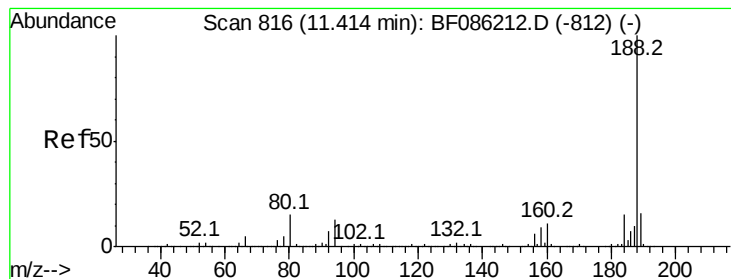
Acq: 16 Apr 2016 12:34

Tgt Ion:	166	Resp:	223284
Ion Ratio	Lower	Upper	
166	100		
165	97.0	78.6	117.8
167	13.6	10.4	15.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

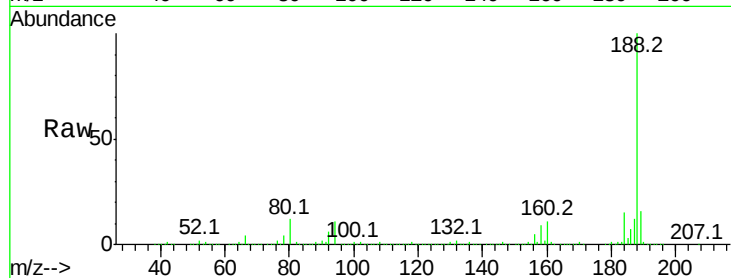
ClientSampleId :

CDMSH4

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.8	14.8
80	12.4	10.5	15.7

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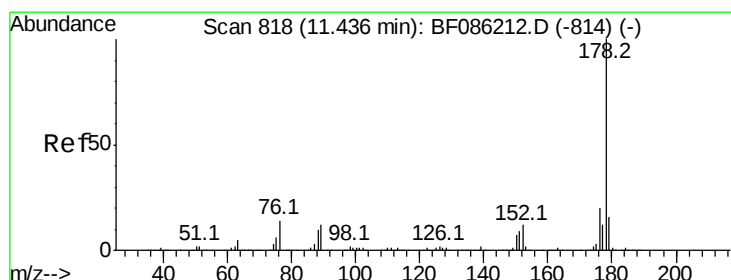
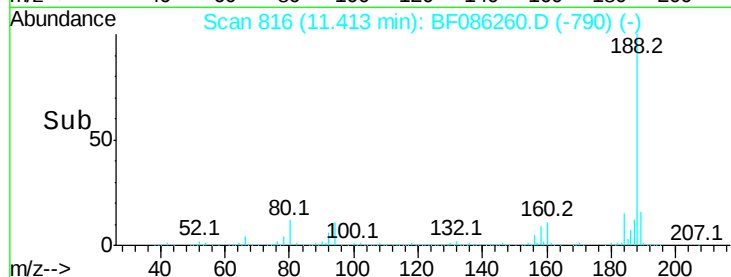
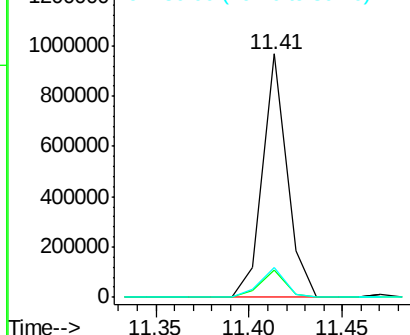
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 39.55 ng

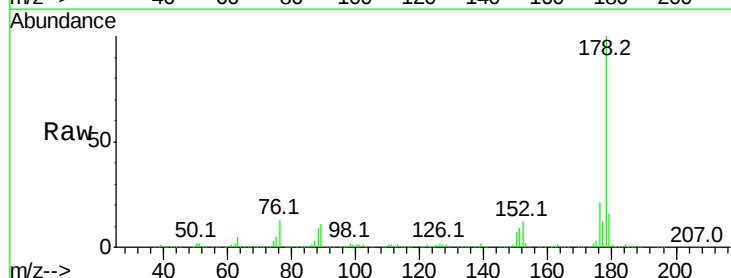
RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

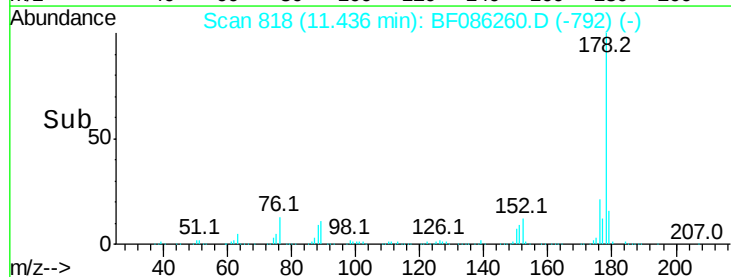
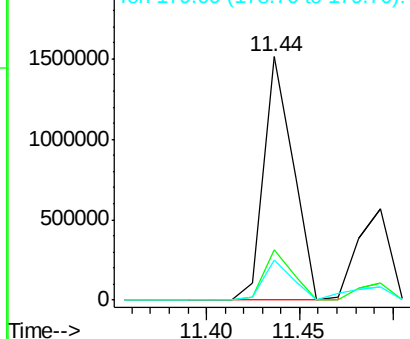
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.3	24.5
179	16.2	13.0	19.6

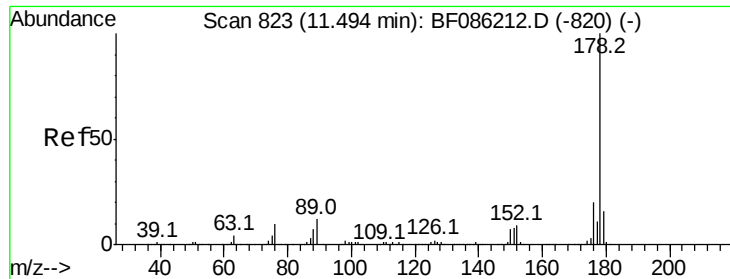


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





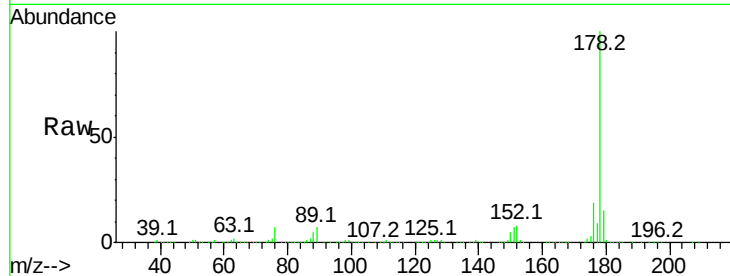
#71
 Anthracene
 Concen: 12.68 ng
 RT: 11.49 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 CDMH4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.0	13.2	19.8

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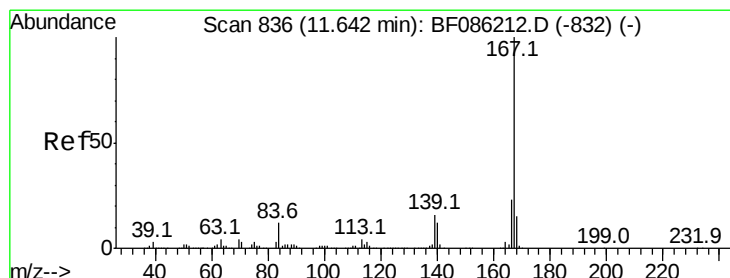
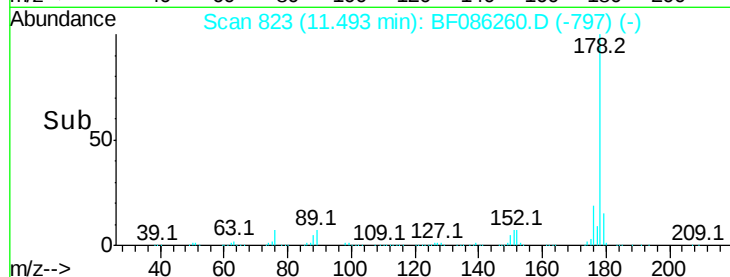
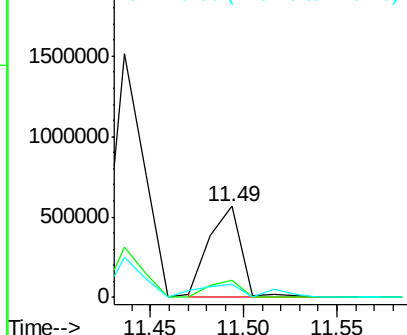


Abundance

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



#72
 Carbazole
 Concen: 5.36 ng
 RT: 11.64 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

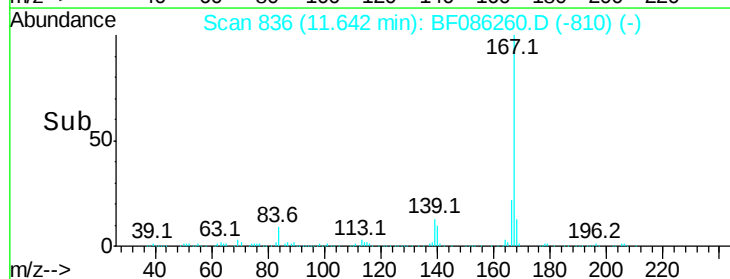
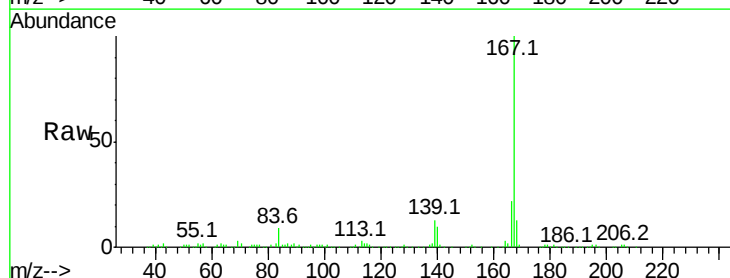
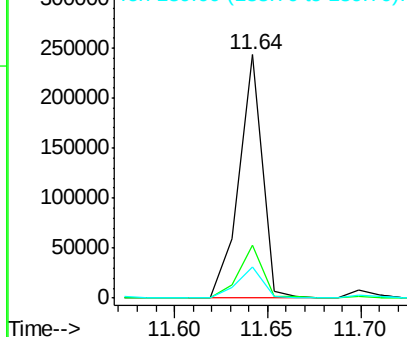
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.3	27.5
139	12.7	12.3	18.5

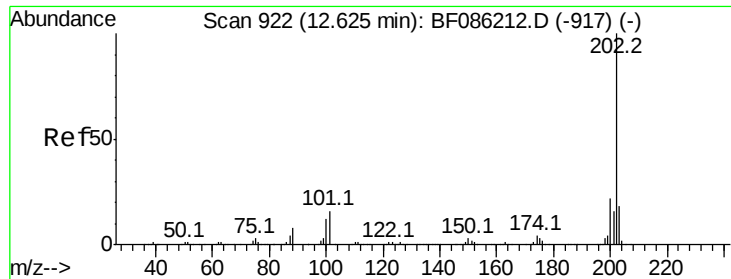
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.63 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

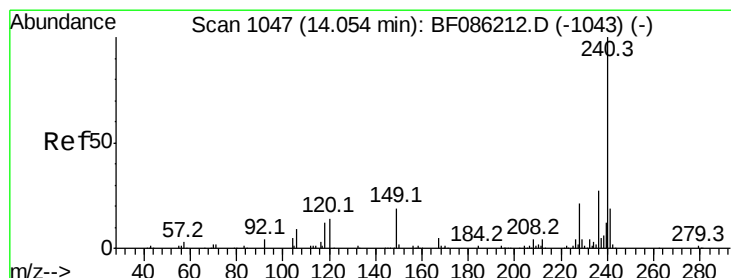
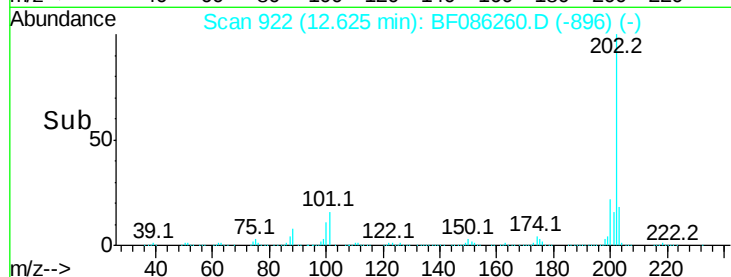
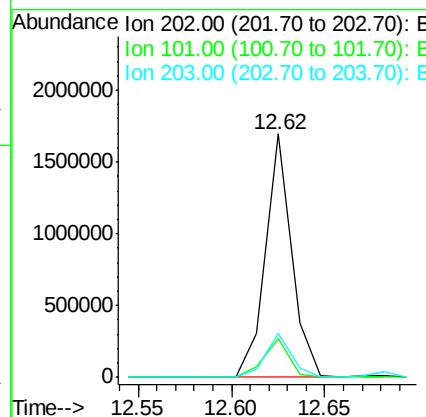
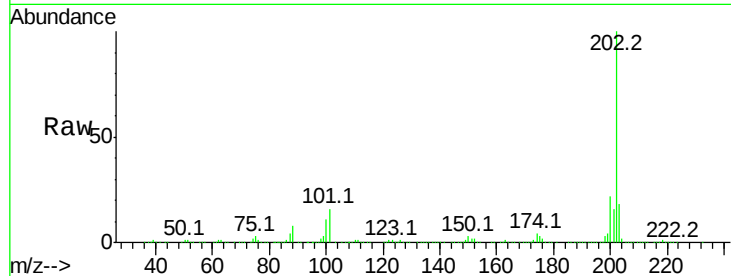
ClientSampleId :

CDMSH4

Tot Ion:	202	Resp:	1637457
Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	35.2
203	18.3	0.0	38.2

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#75

Chrysene-d12

Concen: 20.00 ng

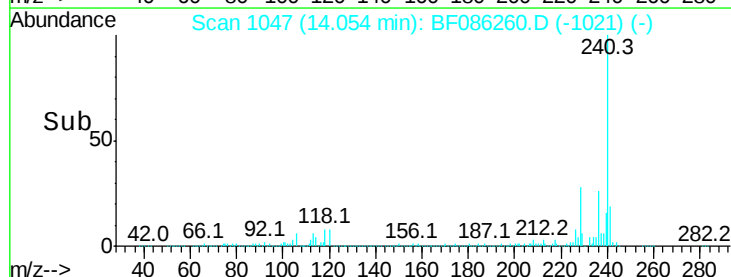
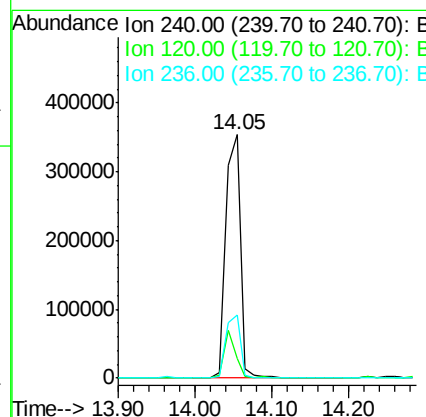
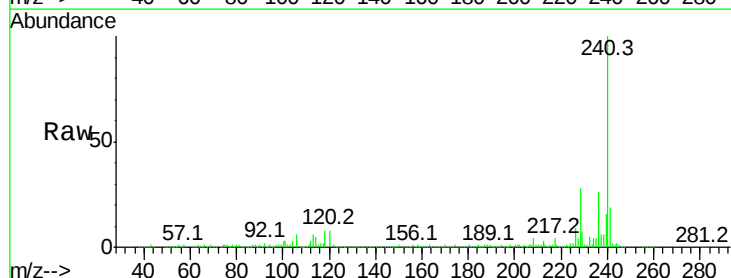
RT: 14.05 min Scan# 1047

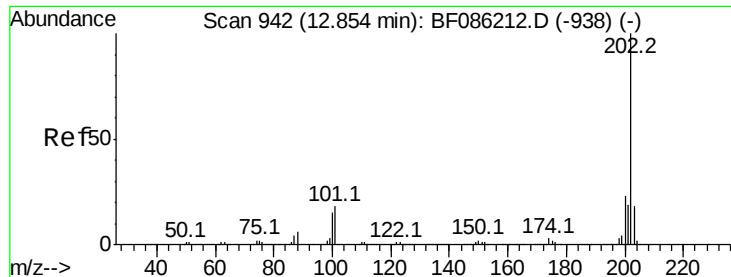
Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Tgt Ion:	240	Resp:	483435
Ion	Ratio	Lower	Upper
240	100		
120	8.2	9.3	13.9#
236	26.0	21.1	31.7





#77

Pvrene

Concen: 38.50 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

ClientSampleId :

CDMSH4

Tot Ion:202 Resp: 1427734

Ion Ratio Lower Upper

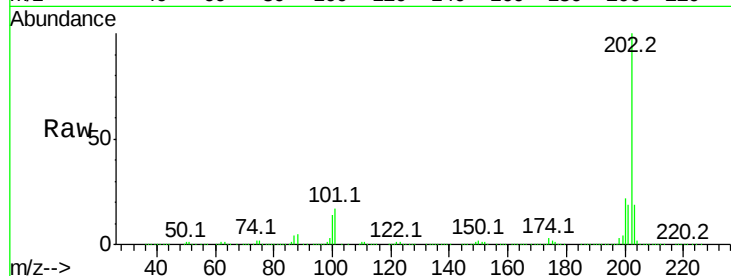
202 100

200 22.2 18.3 27.5

203 18.9 14.9 22.3

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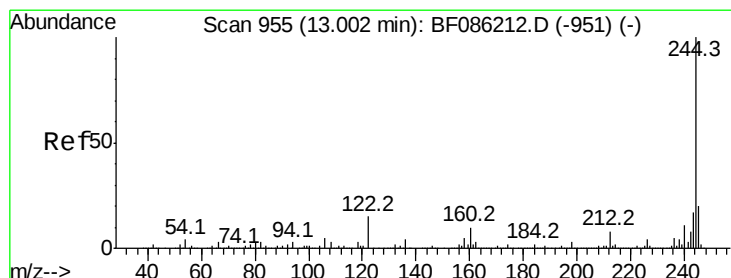
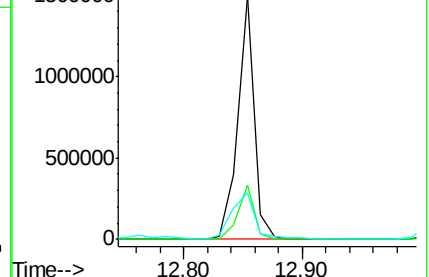
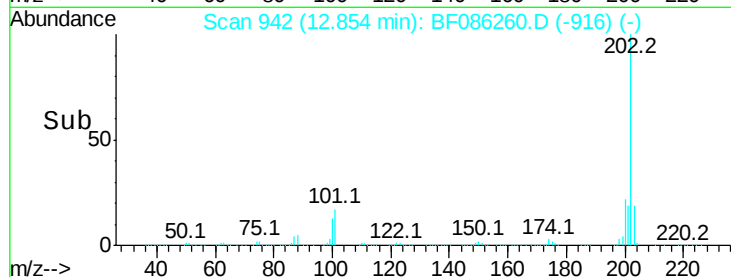
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.26 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

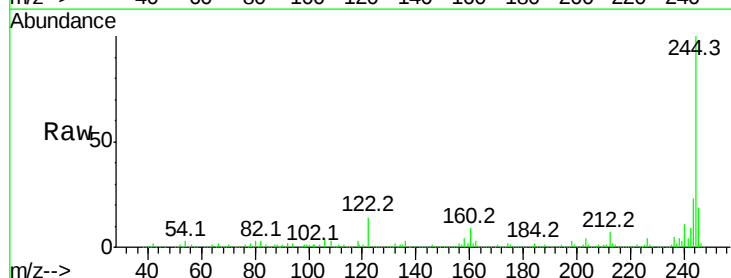
Tgt Ion:244 Resp: 1370031

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

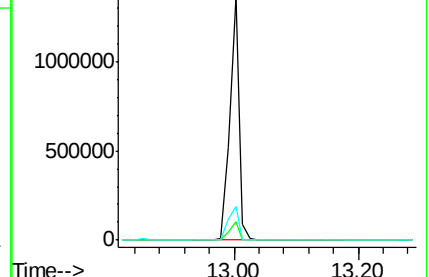
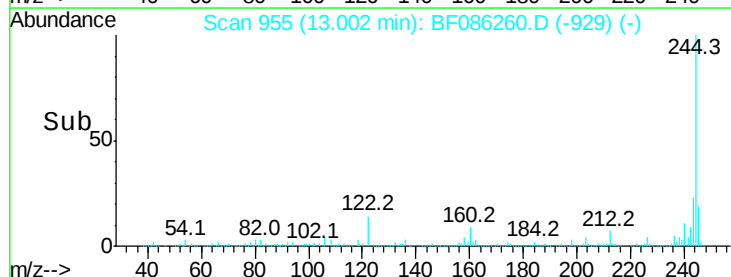
122 13.6 11.7 17.5

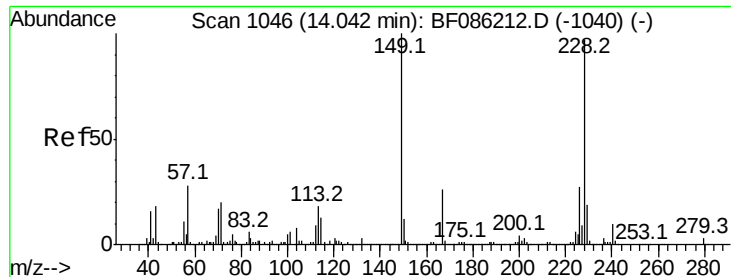


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





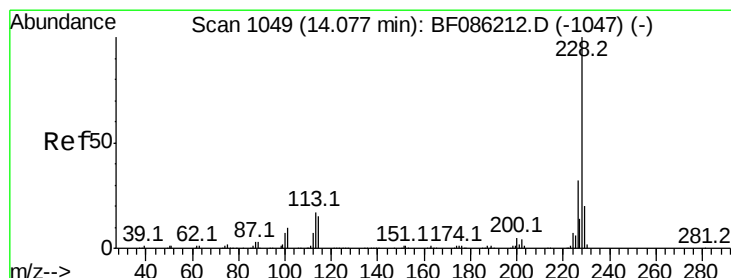
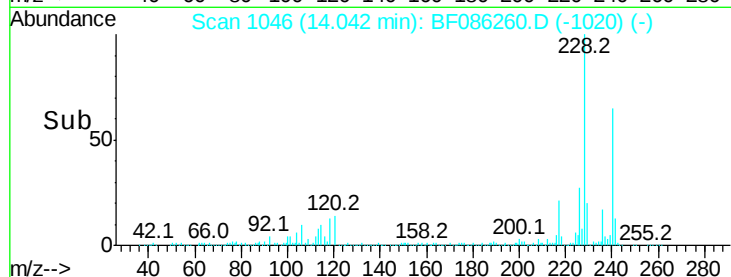
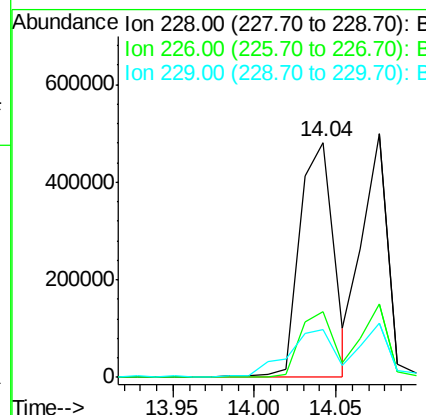
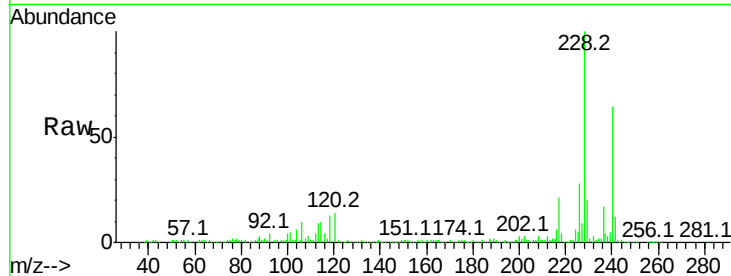
#80
Benzo(a)anthracene
Concen: 26.35 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Instrument :
BNA_F
ClientSampleId :
CDMSH4

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.4	16.2	24.2

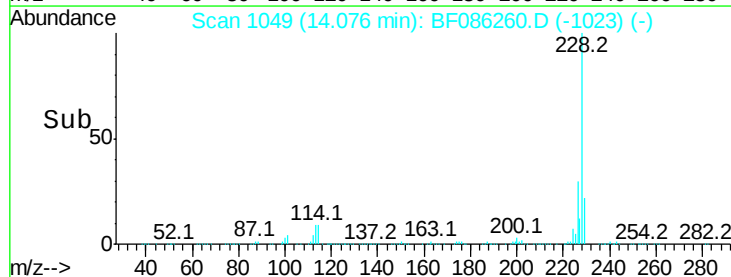
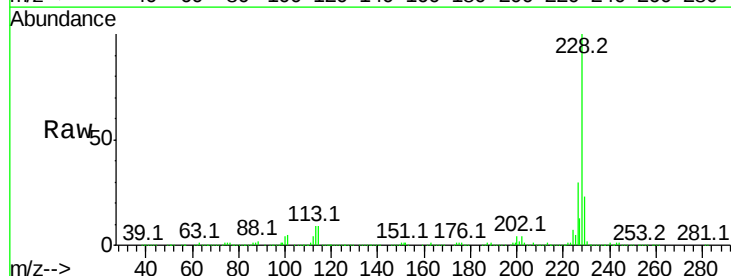
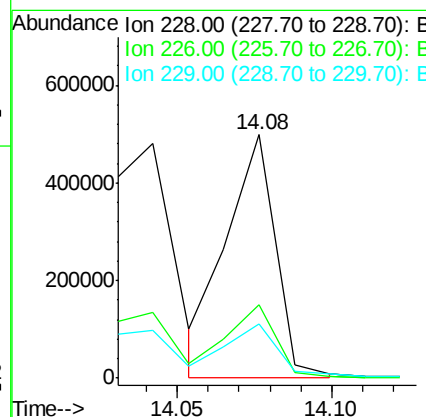
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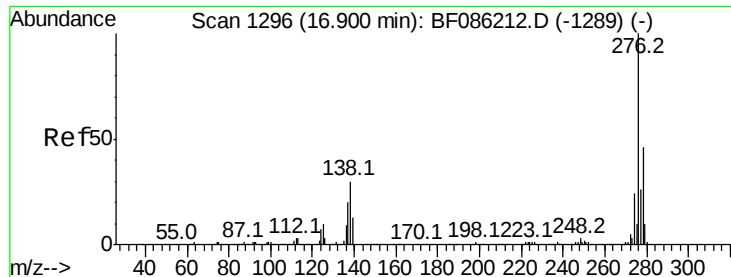
Sohil
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#82
Chrysene
Concen: 19.35 ng m
RT: 14.08 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	22.5	16.5	24.7





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.85 ng

RT: 16.89 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

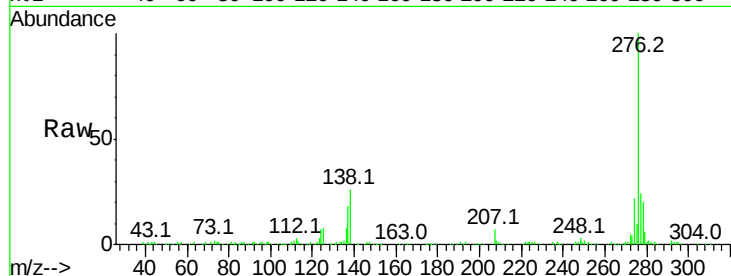
ClientSampleId :

CDMSH4

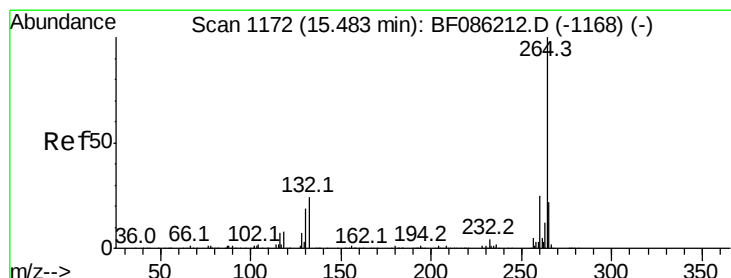
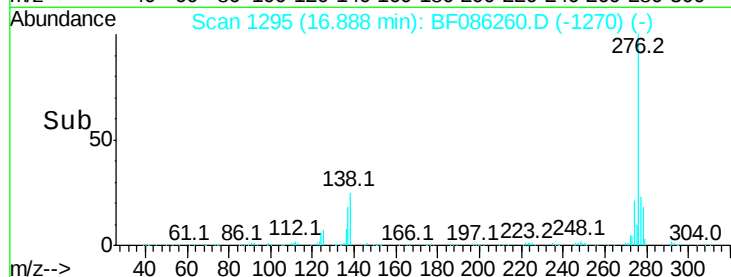
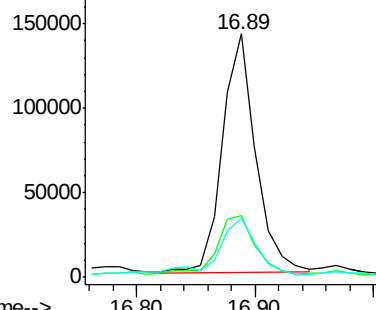
Tot Ion:	276	Resp:	275548
Ion Ratio	Lower	Upper	
276	100		
138	29.7	23.8	35.6
277	28.1	20.2	30.2

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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

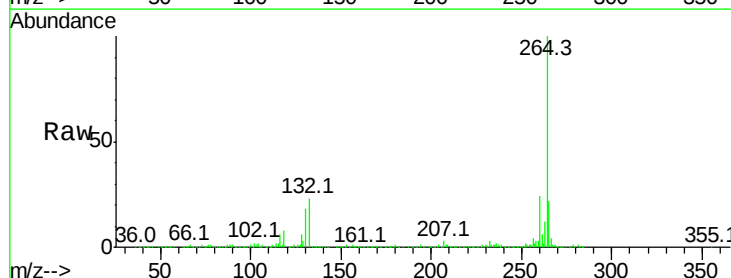
RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

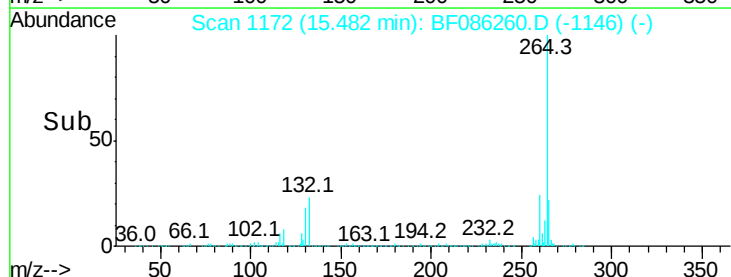
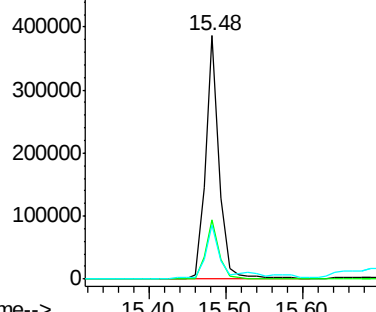
Lab File: BF086260.D

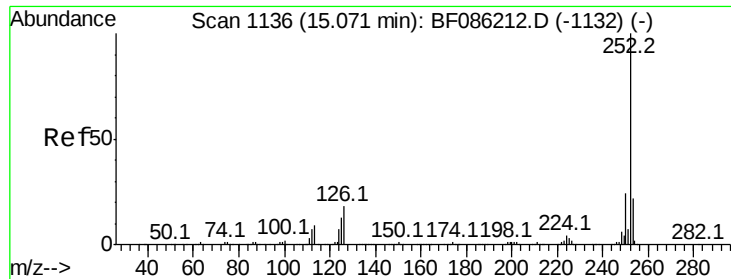
Acq: 16 Apr 2016 12:34

Tgt Ion:	264	Resp:	490846
Ion Ratio	Lower	Upper	
264	100		
260	24.3	20.0	30.0
265	22.1	17.4	26.0



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: 18.92 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Instrument :

BNA_F

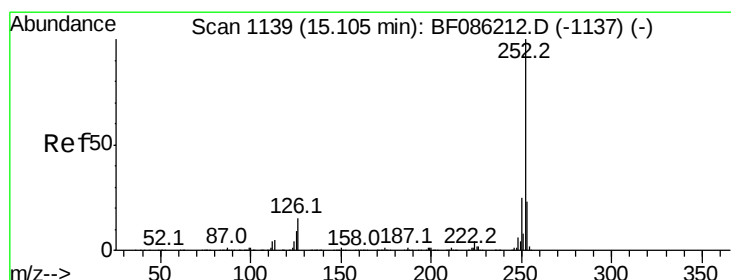
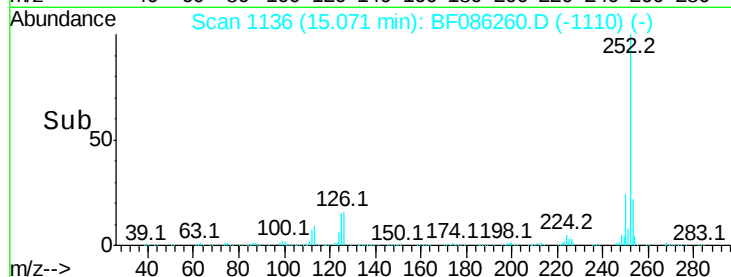
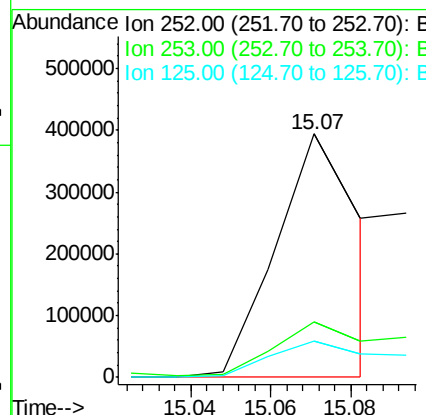
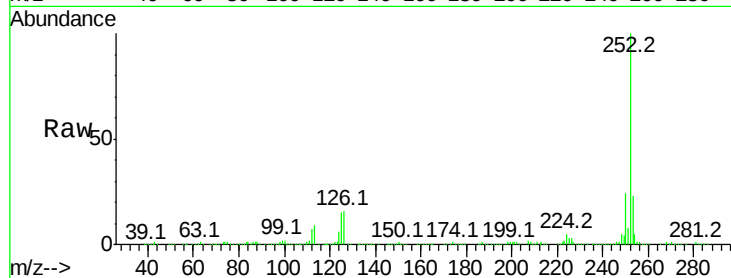
ClientSampleId :

CDMSH4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	14.7	10.3	15.5

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#88

Benzo(k)fluoranthene

Concen: 9.49 ng m

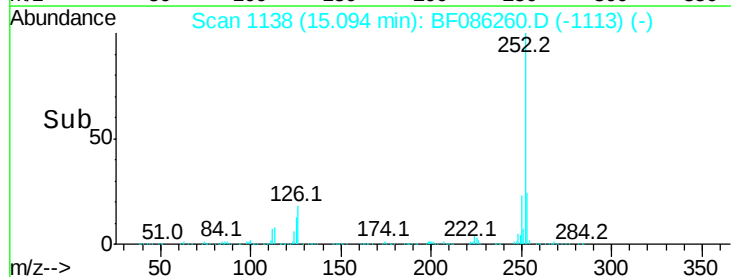
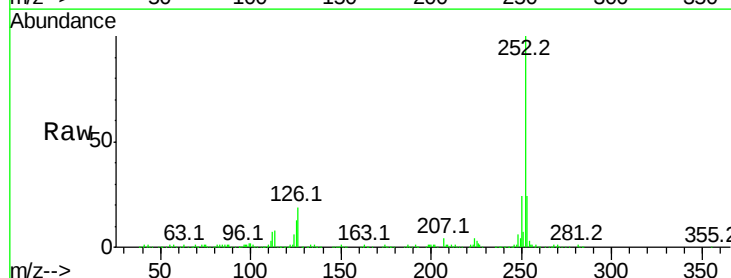
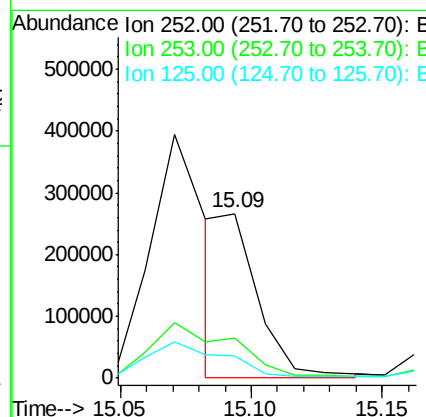
RT: 15.09 min Scan# 1138

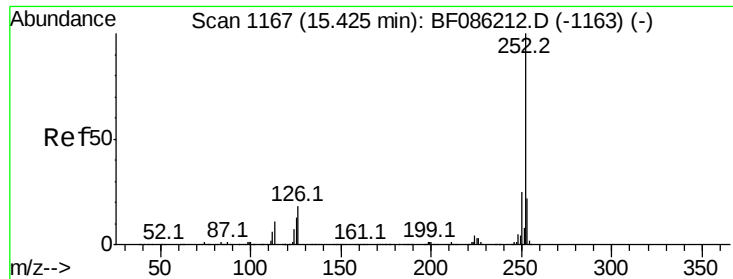
Delta R.T. -0.01 min

Lab File: BF086260.D

Acq: 16 Apr 2016 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	13.4	7.8	11.6





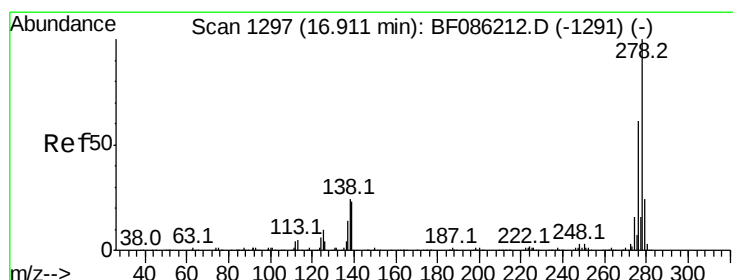
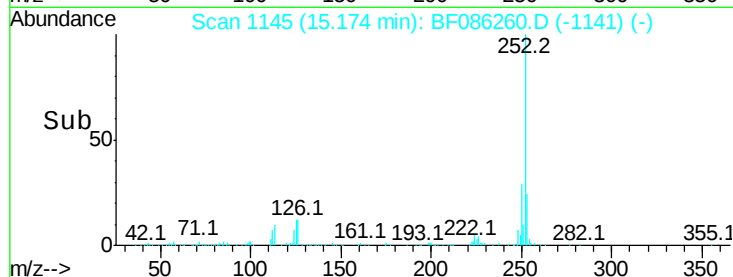
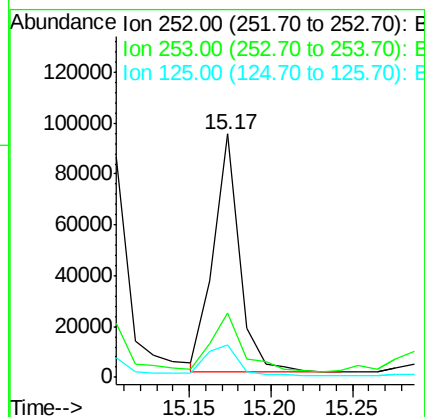
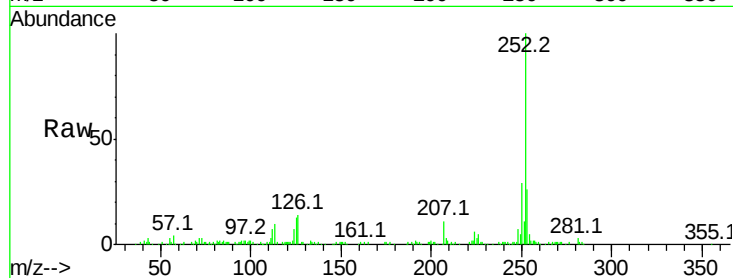
#89
Benzo(a)pyrene
Concen: 4.01 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.25 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Instrument :
BNA_F
ClientSampleId :
CDMSH4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	26.3	17.8	26.8		
125	13.1	11.2	16.8		

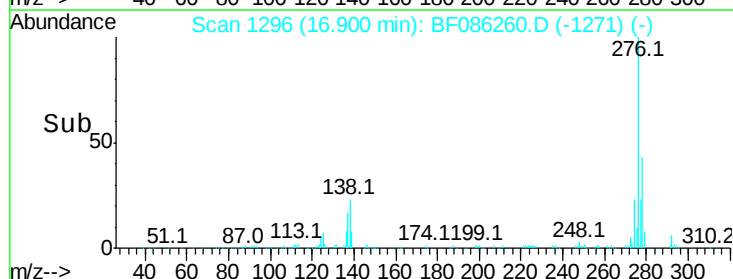
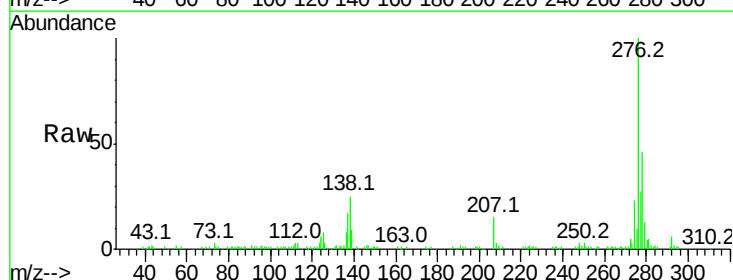
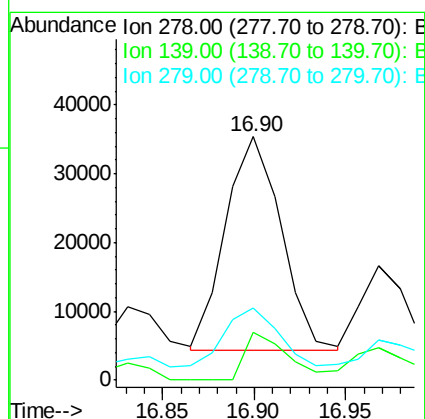
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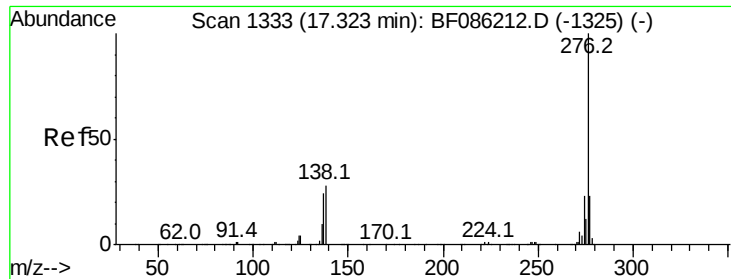
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#90
Dibenzo(a,h)anthracene
Concen: 2.85 ng m
RT: 16.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF086260.D
Acq: 16 Apr 2016 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
278	100				
139	19.6	15.3	22.9		
279	29.4	19.1	28.7#		





#91
 Benzo(a,h,i)perylene
 Concen: 10.64 ng
 RT: 17.31 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF086260.D
 Acq: 16 Apr 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4

Tot Ion:	276	Resp:	262353
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.0	28.6
138	28.0	19.6	29.4

Manual Integrations
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