

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
 Data File : BF085235.D
 Acq On : 5 Mar 2016 6:21
 Operator : SJ/IZ
 Sample : H1683-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP(0.5-3.5)

Manual Integrations
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 3/7/2016 9:33:17 AM

Quant Time: Mar 07 00:35:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170218	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	686251	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	291793	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	497999	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	318918	20.00	ng	-0.02
86) Perylene-d12	15.60	264	290324	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1615609	159.21	ng	0.00
7) Phenol-d6	6.60	99	1569686	118.06	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1087921	84.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	391657	156.87	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1509907	78.70	ng	-0.02
78) Terphenyl-d14	13.08	244	1022986	74.46	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.72	163	335691	14.99	ng	99
70) Phenanthrene	11.52	178	364108	13.95	ng	97
71) Anthracene	11.57	178	149869	5.41	ng	97
74) Fluoranthene	12.71	202	836294	31.93	ng	96
77) Pyrene	12.94	202	722929	30.12	ng	98
80) Benzo(a)anthracene	14.12	228	406227	21.28	ng	99
82) Chrysene	14.15	228	263150m	14.92	ng	
85) Indeno(1,2,3-cd)pyrene	17.07	276	169047	12.28	ng	91
87) Benzo(b)fluoranthene	15.17	252	425423m	21.98	ng	
88) Benzo(k)fluoranthene	15.19	252	79816m	5.11	ng	
89) Benzo(a)pyrene	15.53	252	277152	17.28	ng	# 94
90) Dibenzo(a,h)anthracene	17.08	278	41599	3.04	ng	# 90
91) Benzo(a,h,i)perylene	17.51	276	158837	11.54	ng	98

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

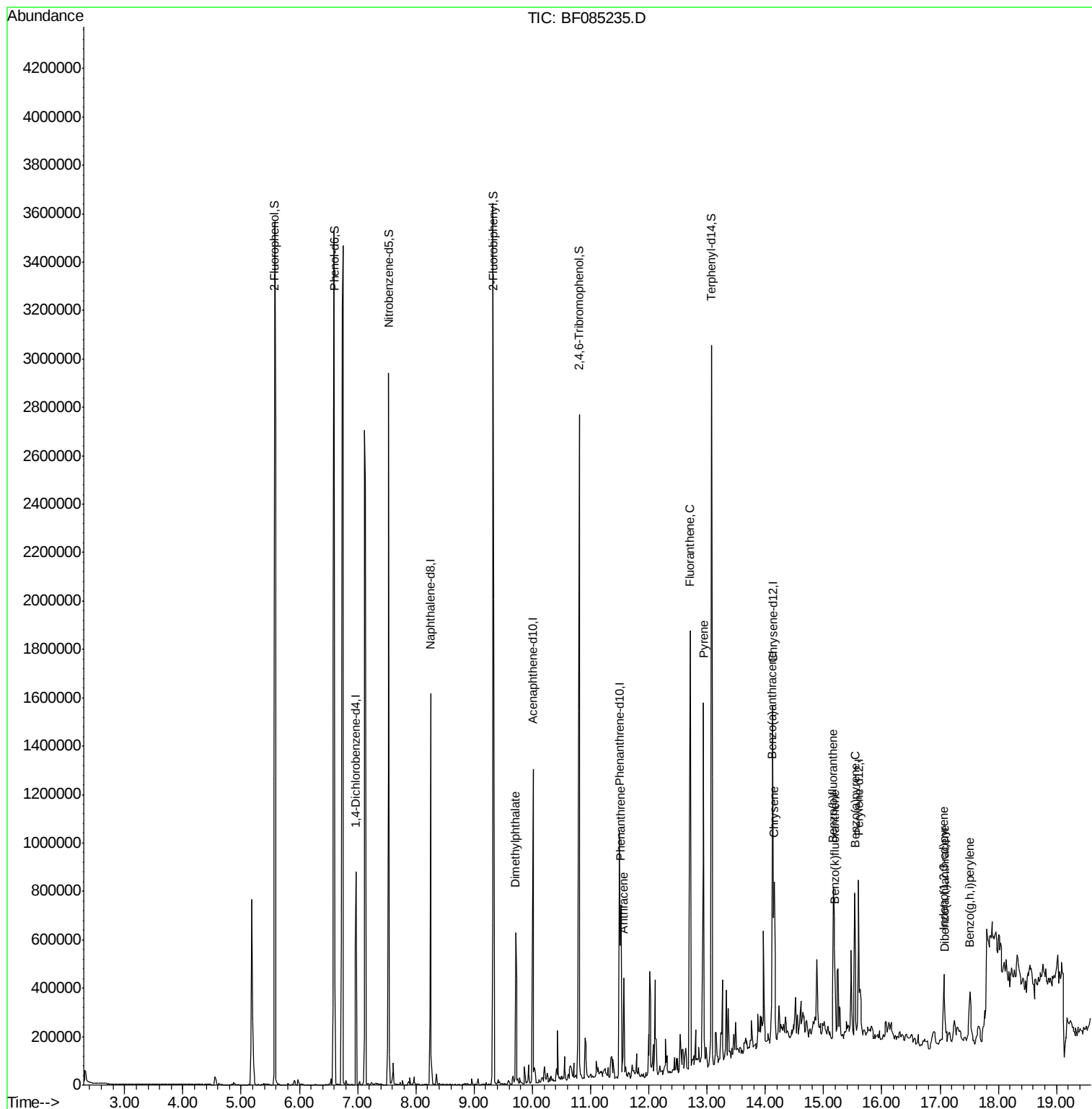
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085235.D
Acq On : 5 Mar 2016 6:21
Operator : SJ/IZ
Sample : H1683-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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SB-14-COMP(0.5-3.5)

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Quant Time: Mar 07 00:35:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

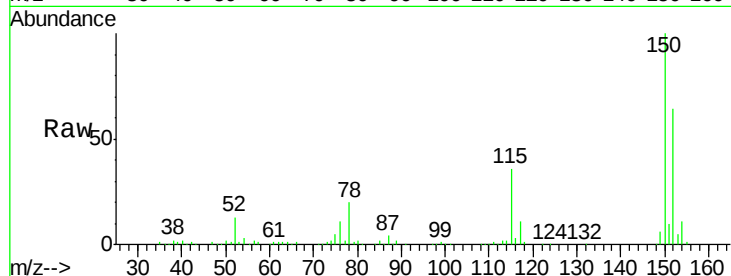
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP(0.5-3.5)

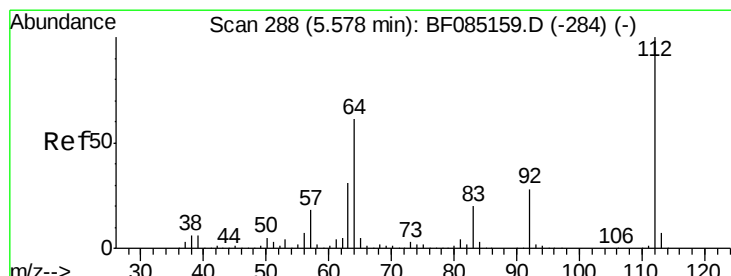
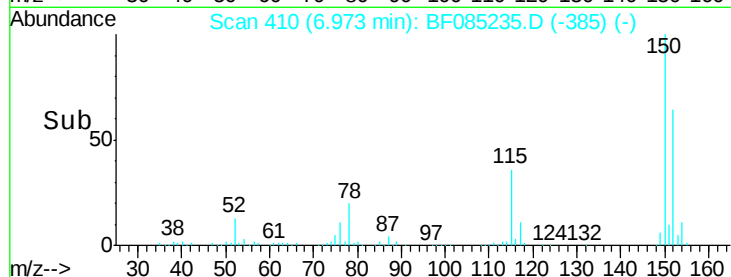
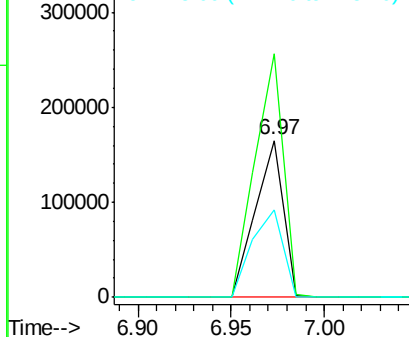
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	55.7	46.6	70.0

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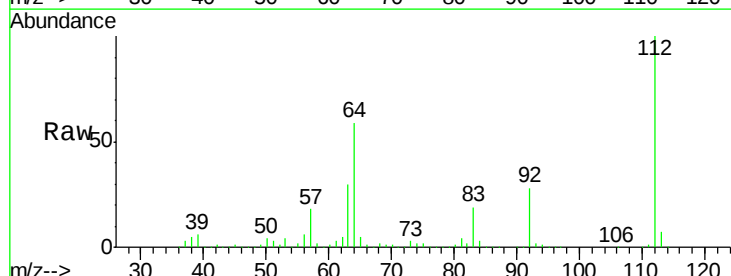
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



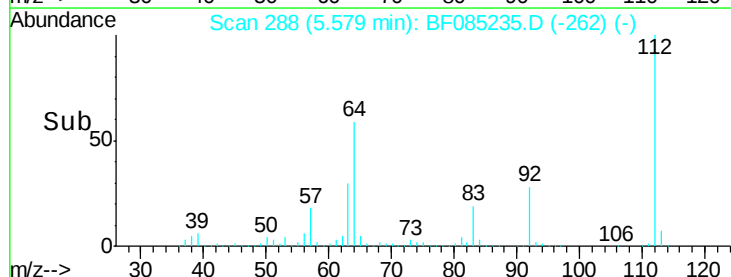
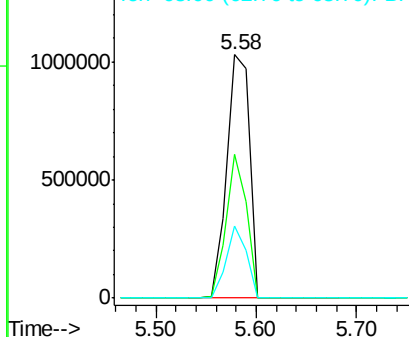
#5

2-Fluorophenol
Concen: 159.21 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.0	73.4
63	29.9	24.8	37.2



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: 118.06 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP(0.5-3.5)

Tot Ion: 99 Resp: 1569686

Ion Ratio Lower Upper

99 100

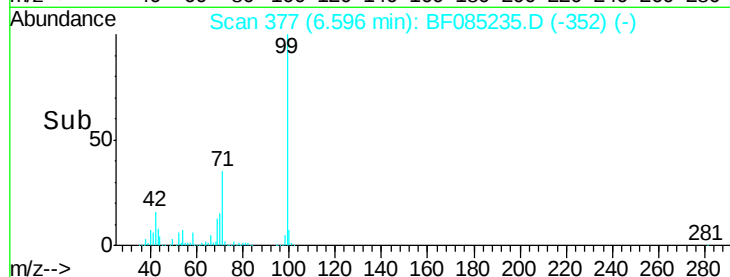
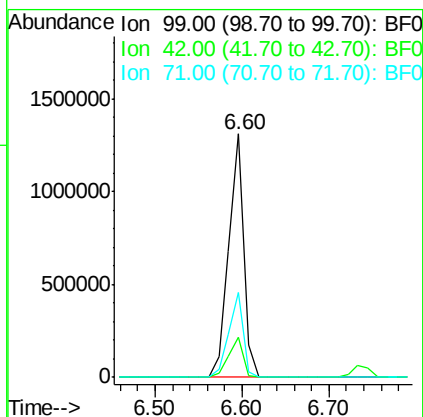
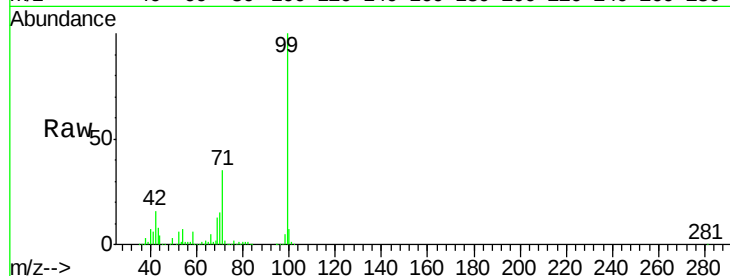
42 16.5 13.6 20.4

71 35.0 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Tgt Ion: 136 Resp: 686251

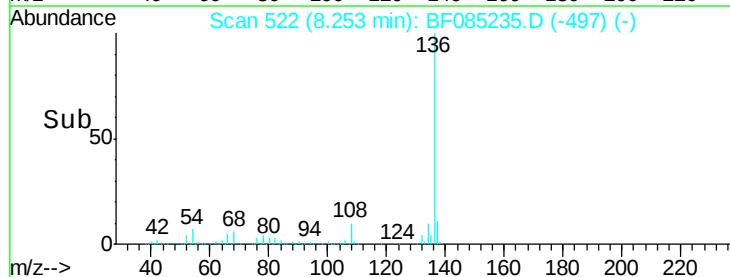
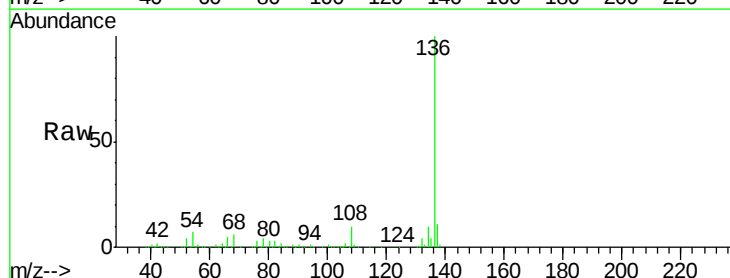
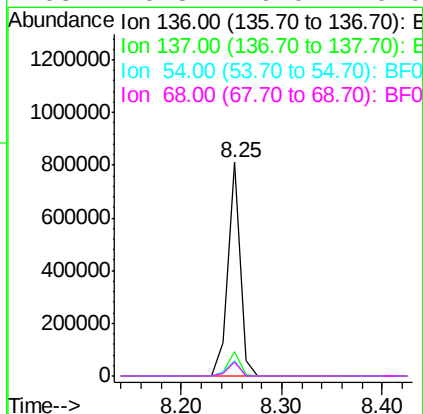
Ion Ratio Lower Upper

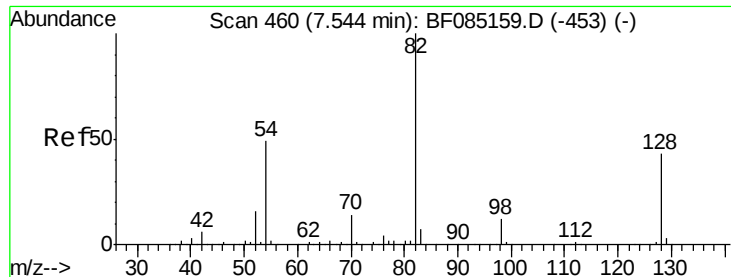
136 100

137 11.1 9.3 13.9

54 7.4 7.4 11.2#

68 6.3 6.0 9.0





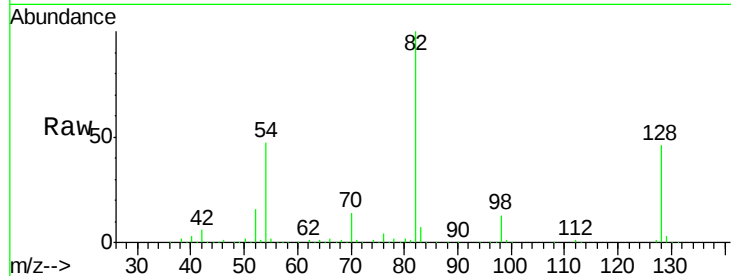
#23
 Nitrobenzene-d5
 Concen: 84.83 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085235.D
 Acq: 5 Mar 2016 6:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP(0.5-3.5)

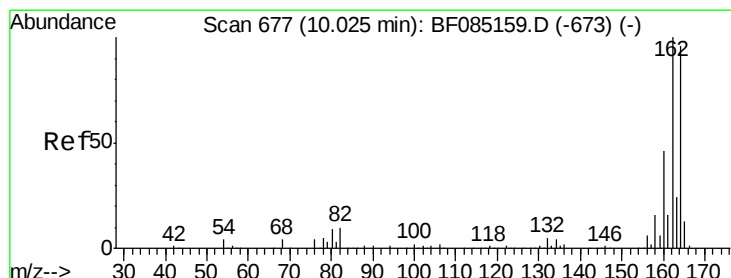
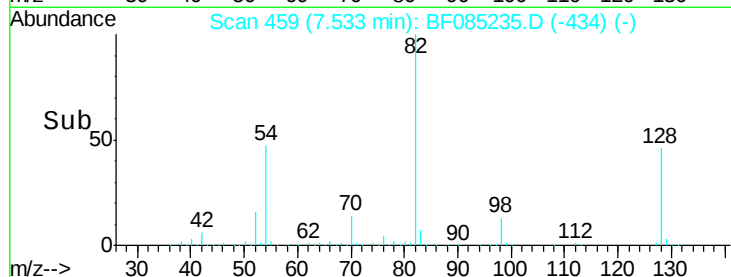
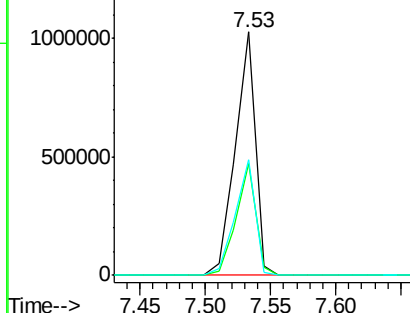
Tot Ion	82	Resp	1087921
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	34.5	51.7
54	47.3	39.3	58.9

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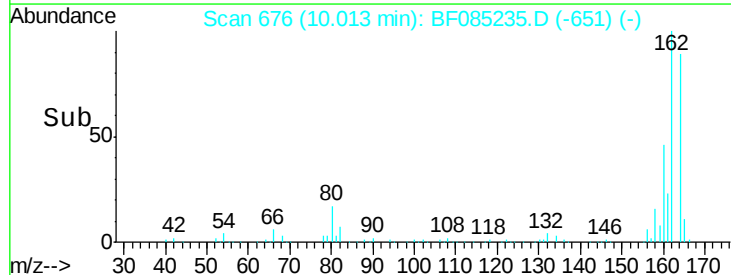
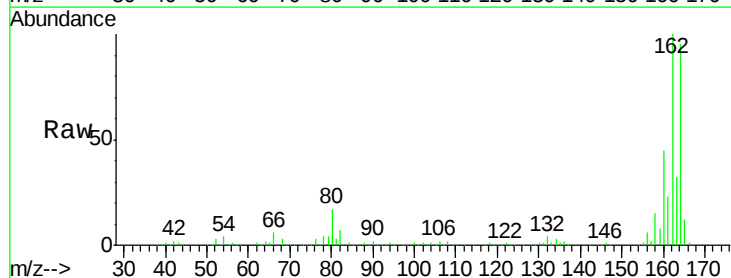
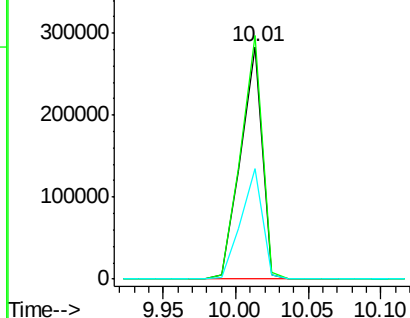
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085235.D
 Acq: 5 Mar 2016 6:21

Tgt Ion	164	Resp	291793
Ion Ratio	100	Lower	Upper
164	100		
162	104.9	83.3	124.9
160	47.5	37.9	56.9

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





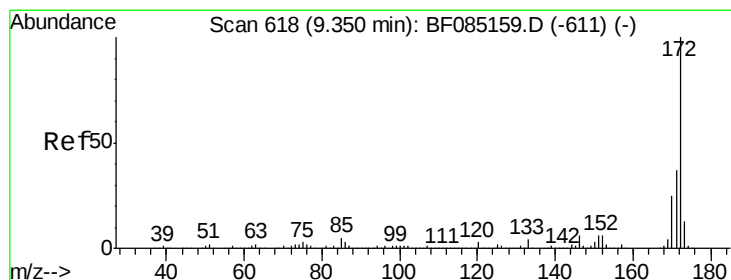
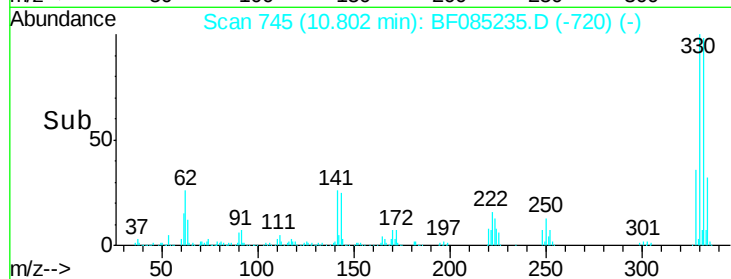
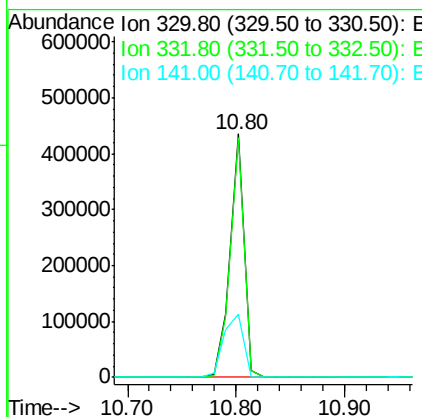
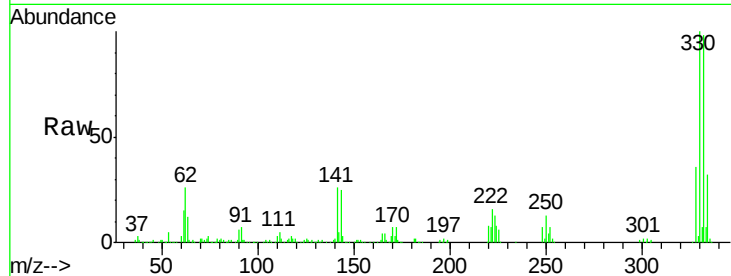
#41
 2,4,6-Tribromophenol
 Concen: 156.87 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085235.D
 Acq: 5 Mar 2016 6:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP(0.5-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	391657		
332	97.7	77.1	115.7	
141	36.9	35.0	52.6	

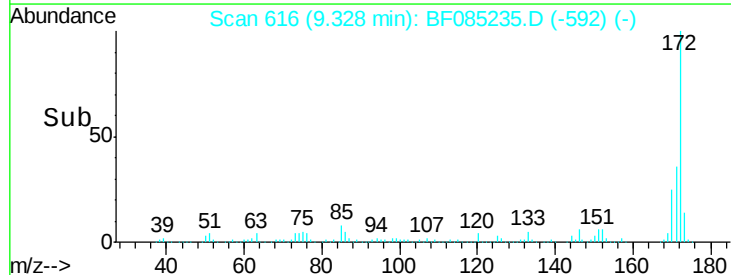
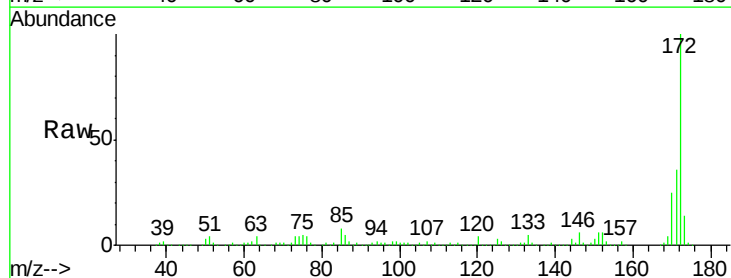
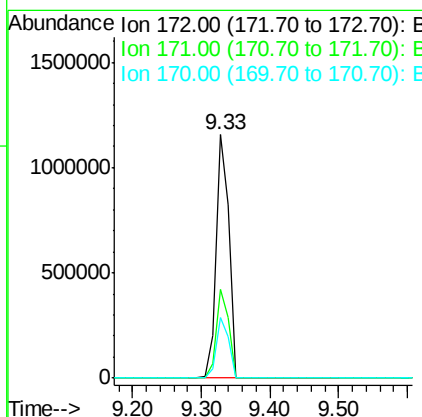
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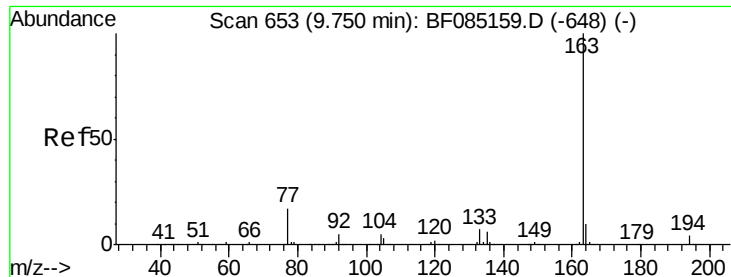
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#44
 2-Fluorobiphenyl
 Concen: 78.70 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085235.D
 Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1509907		
171	36.5	29.3	43.9	
170	24.7	20.0	30.0	





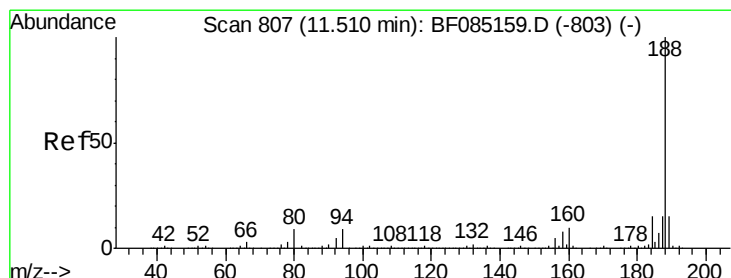
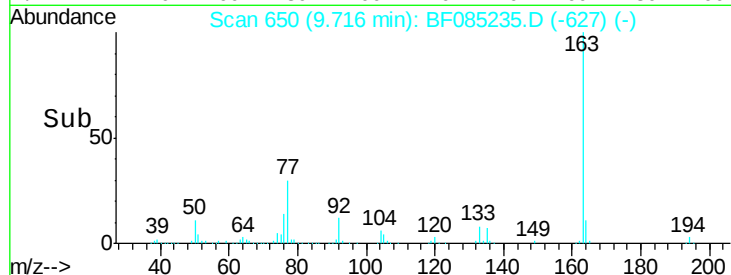
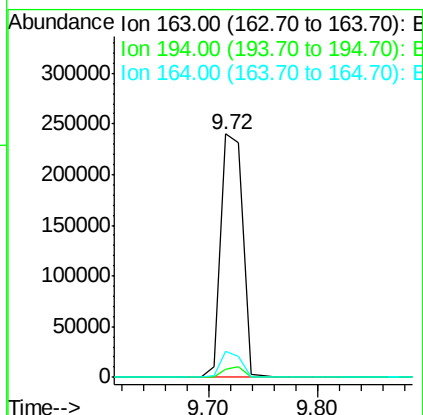
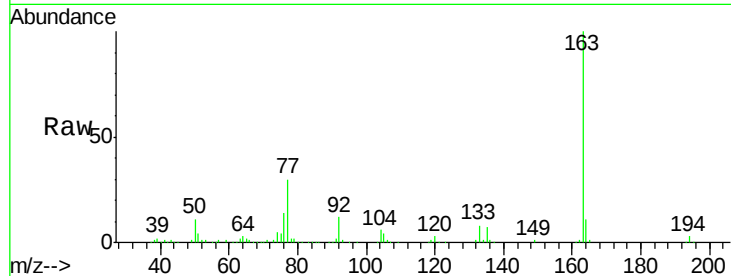
#49
Dimethylphthalate
Concen: 14.99 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP(0.5-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	335691		
194	3.2		3.1	4.7
164	10.5		8.2	12.4

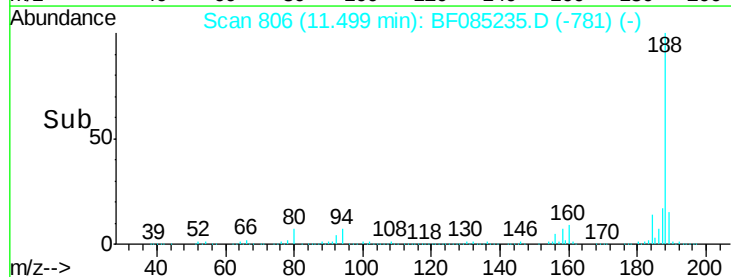
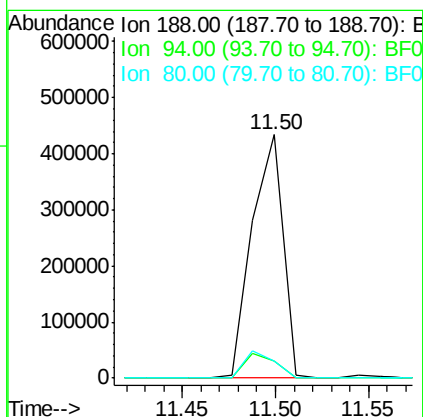
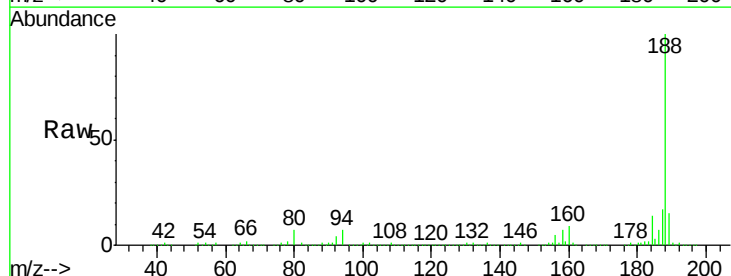
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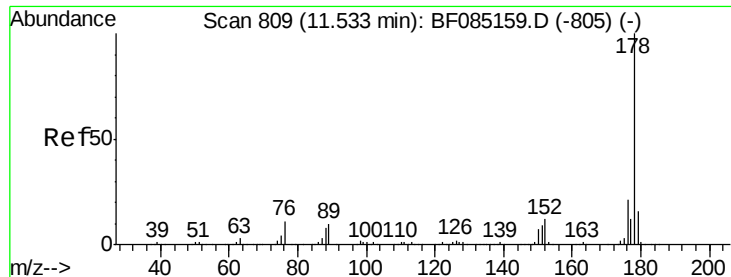
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	497999		
94	7.0		7.0	10.6#
80	6.9		7.4	11.0#





#70

Phenanthrene

Concen: 13.95 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Instrument :

BNA_F

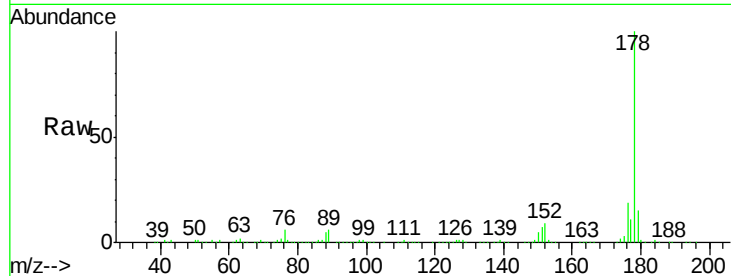
ClientSampleId :

SB-14-COMP(0.5-3.5)

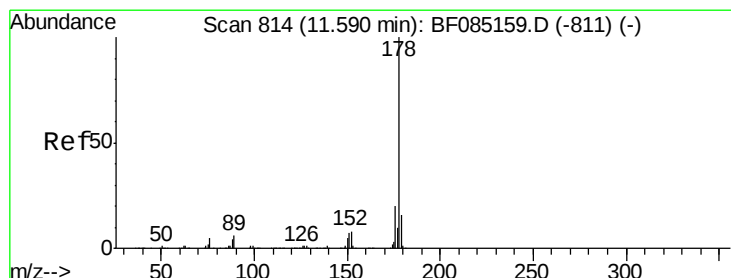
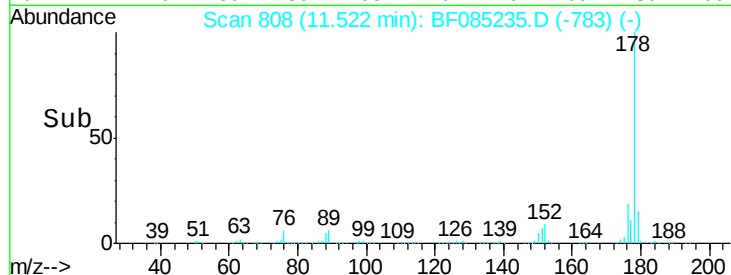
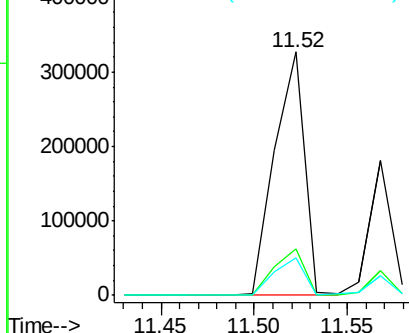
Tot Ion:	178	Resp:	364108
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.8	25.2
179	15.4	13.1	19.7

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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



#71

Anthracene

Concen: 5.41 ng

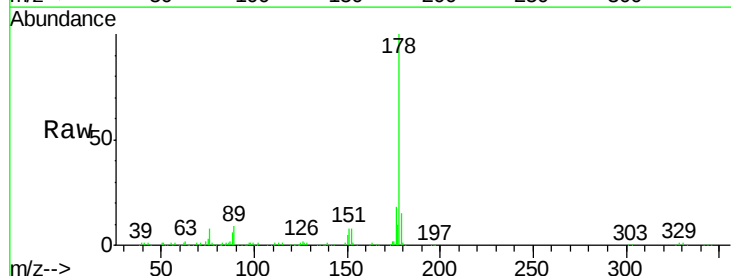
RT: 11.57 min Scan# 812

Delta R.T. -0.02 min

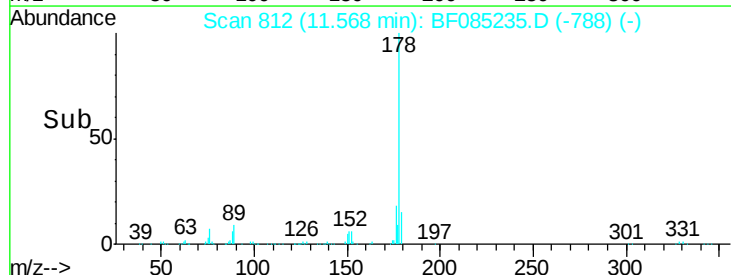
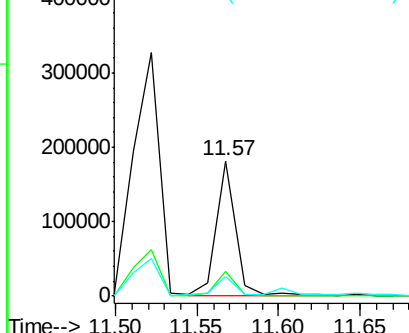
Lab File: BF085235.D

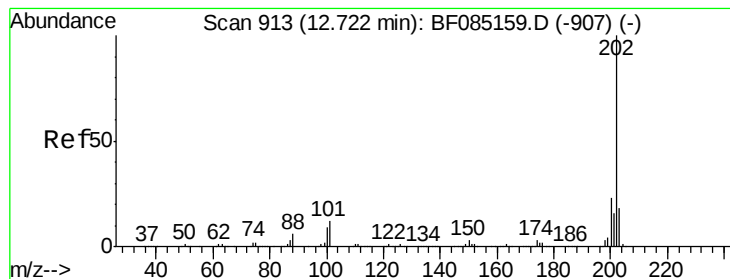
Acq: 5 Mar 2016 6:21

Tgt Ion:	178	Resp:	149869
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.9	23.9
179	14.7	12.5	18.7



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: 31.93 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Instrument :

BNA_F

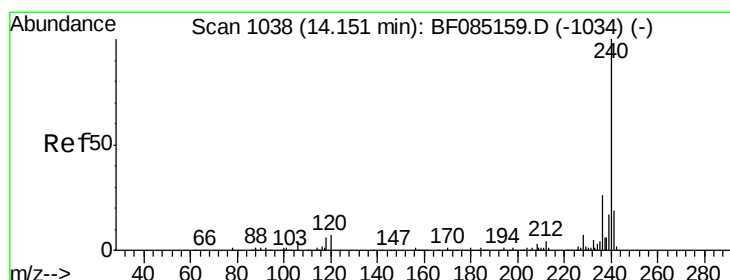
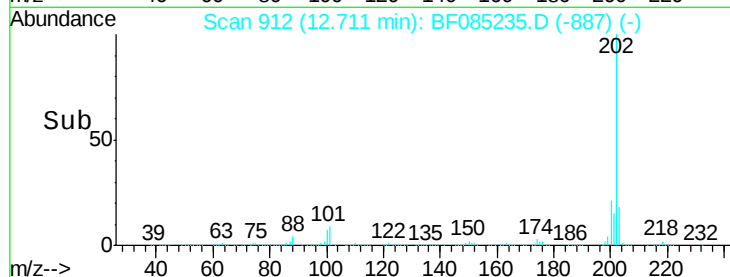
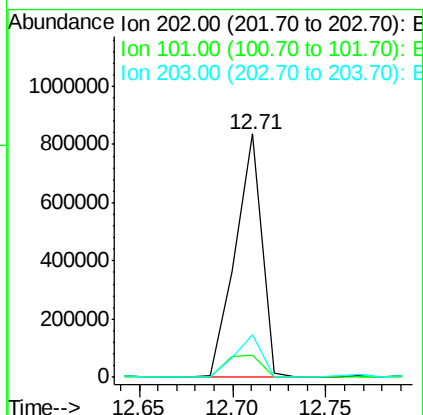
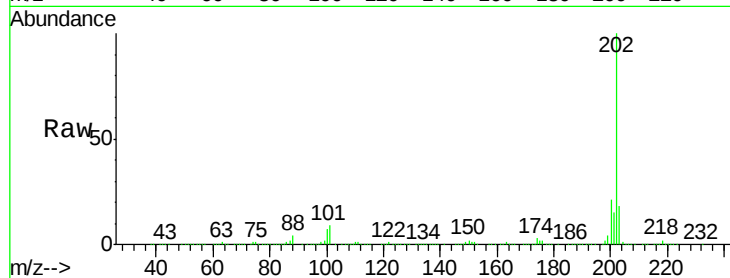
ClientSampleId :

SB-14-COMP(0.5-3.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		836294		
101	9.3	0.0	31.8		
203	17.6	0.0	38.4		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

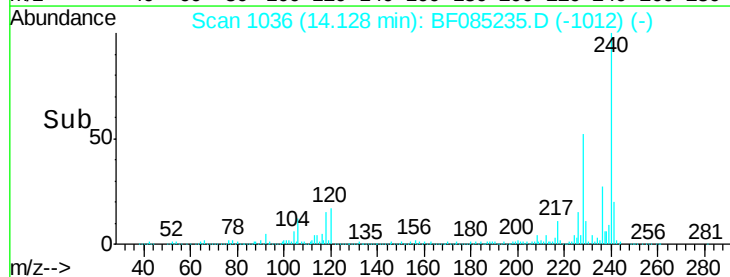
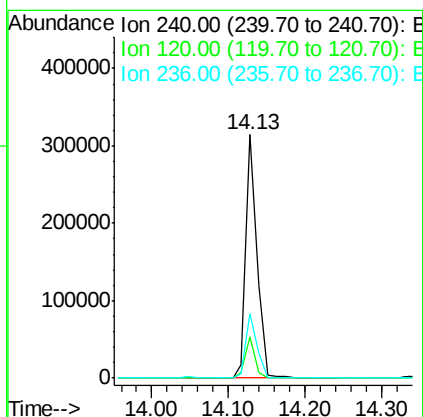
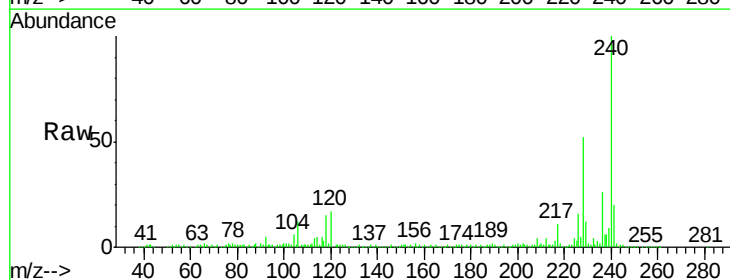
RT: 14.13 min Scan# 1036

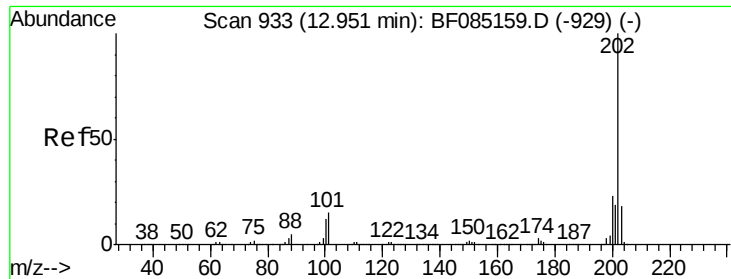
Delta R.T. -0.02 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		318918		
120	17.2	5.3	7.9#		
236	26.5	20.7	31.1		





#77

Pvrene

Concen: 30.12 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Instrument :

BNA_F

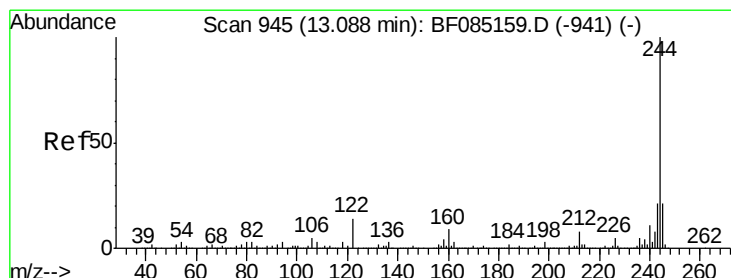
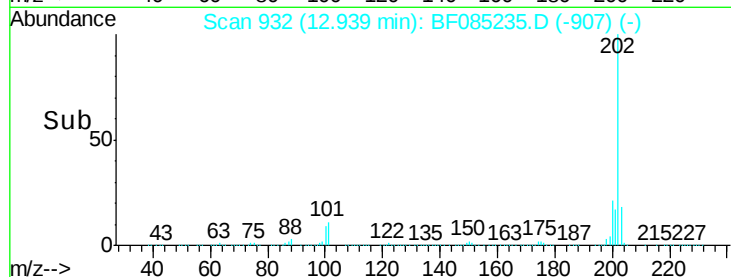
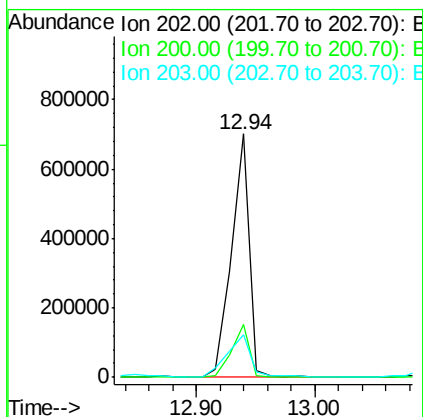
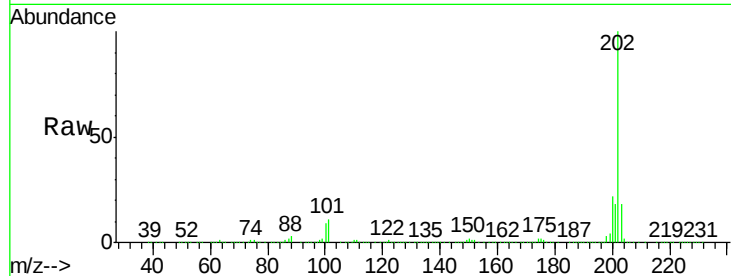
ClientSampleId :

SB-14-COMP(0.5-3.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.2	27.4
203	17.7	14.7	22.1

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#78

Terphenyl-d14

Concen: 74.46 ng

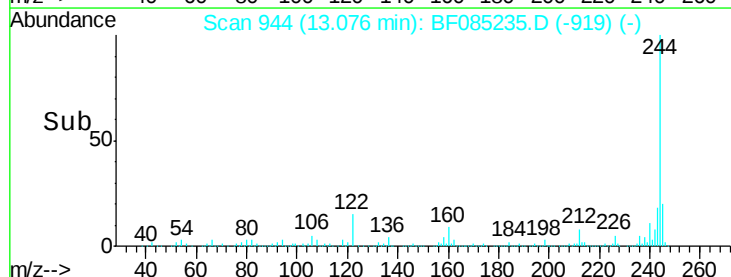
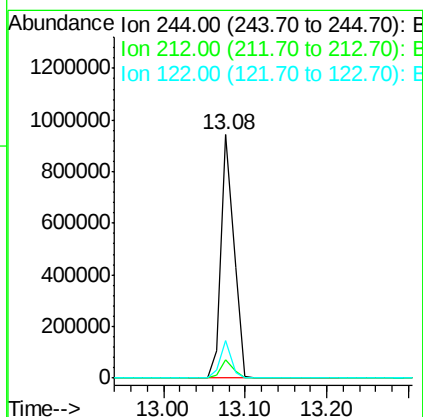
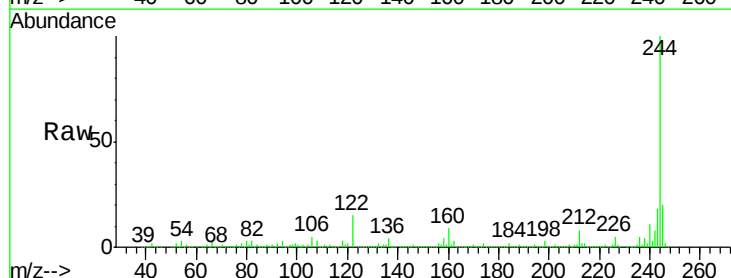
RT: 13.08 min Scan# 944

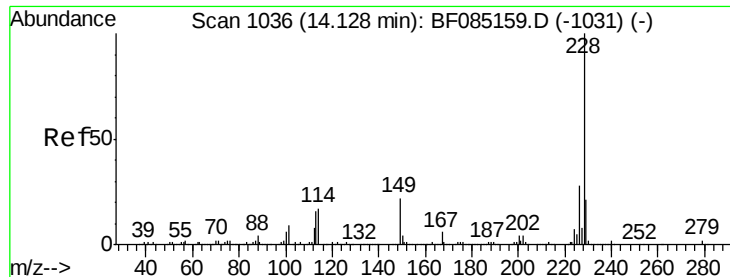
Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	15.2	11.4	17.2





#80

Benzo(a)anthracene

Concen: 21.28 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Instrument :

BNA_F

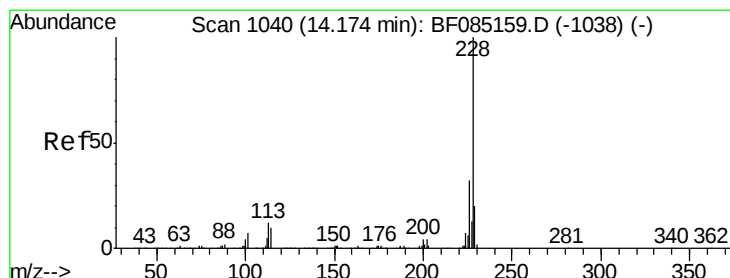
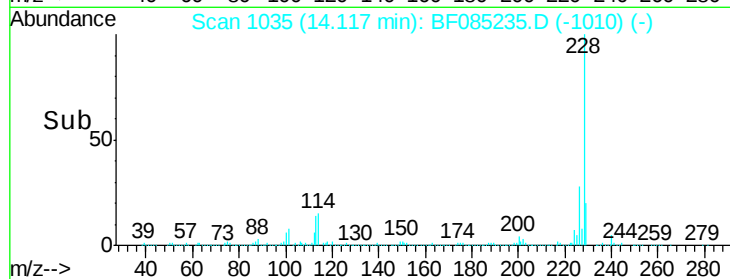
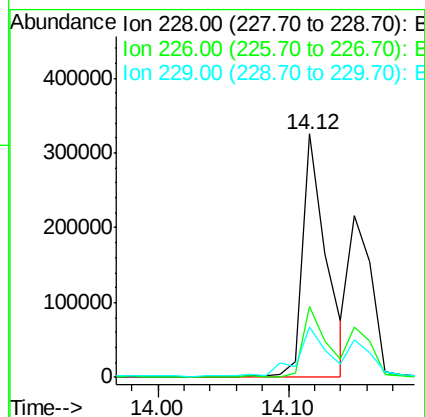
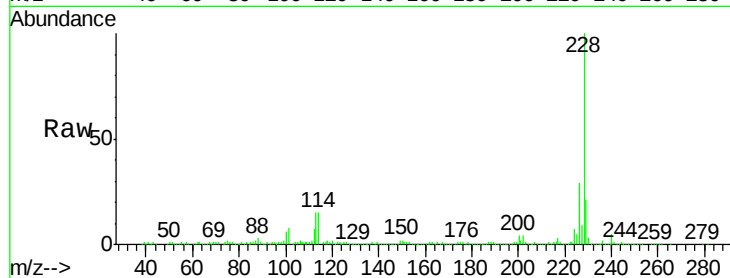
ClientSampleId :

SB-14-COMP(0.5-3.5)

Tot Ion:	228	Resp:	406227
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.8	34.2
229	20.9	16.6	24.8

Manual Integrations
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#82

Chrysene

Concen: 14.92 ng m

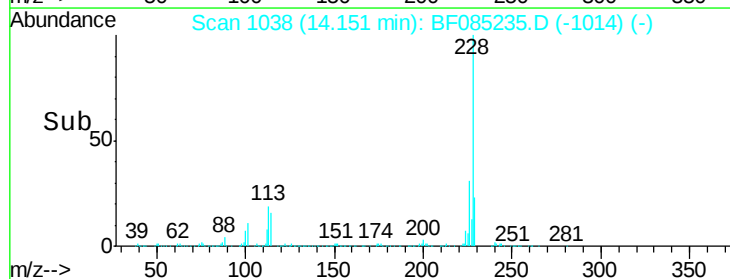
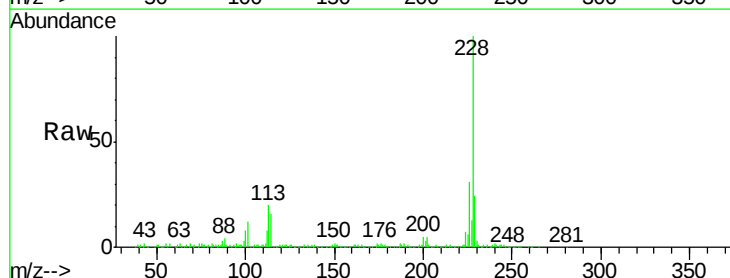
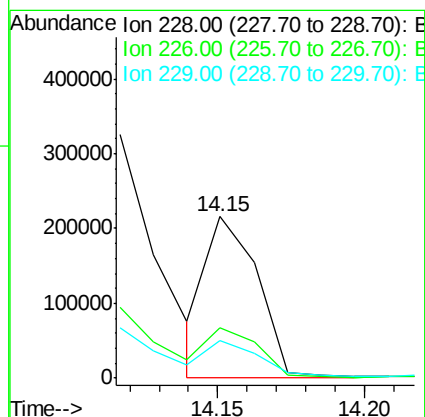
RT: 14.15 min Scan# 1038

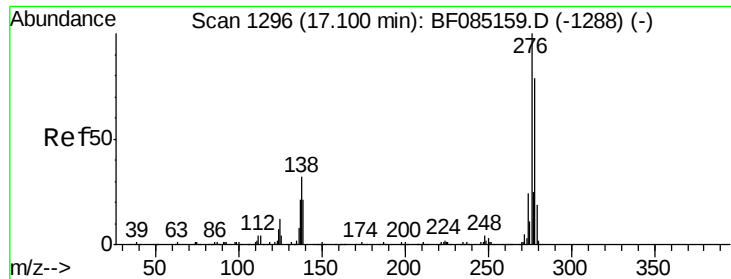
Delta R.T. -0.02 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Tgt Ion:	228	Resp:	263150
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.2	37.8
229	23.6	16.0	24.0





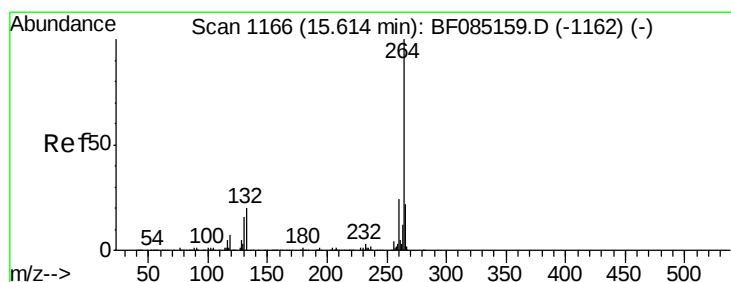
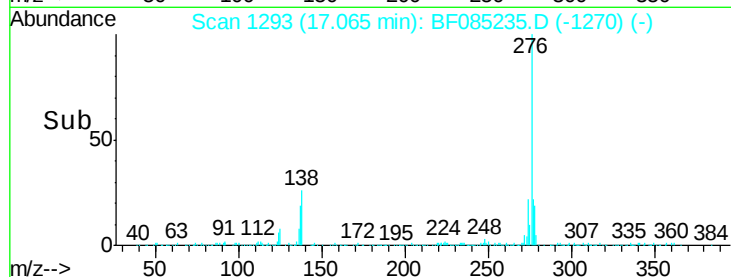
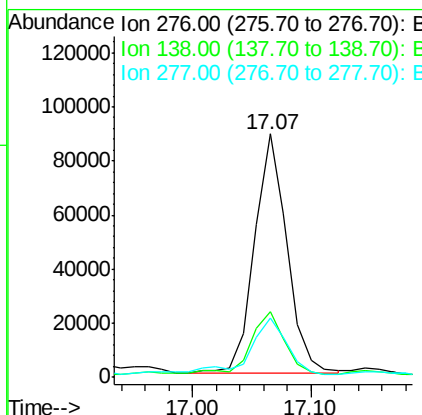
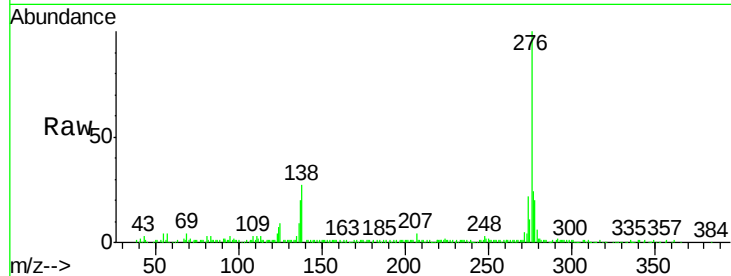
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.28 ng
RT: 17.07 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP(0.5-3.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	26.4	39.6
277	29.2	20.2	30.2

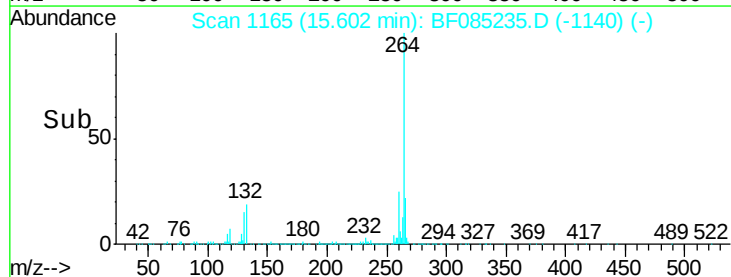
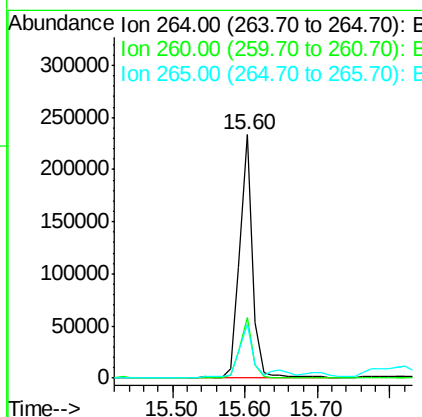
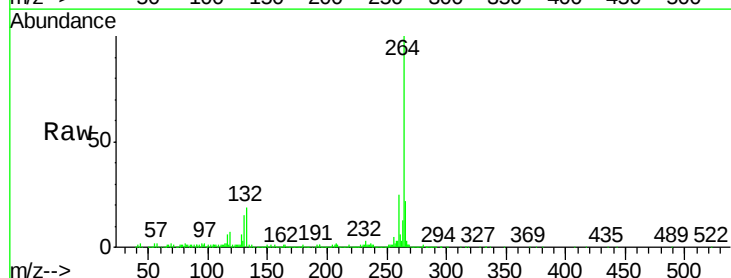
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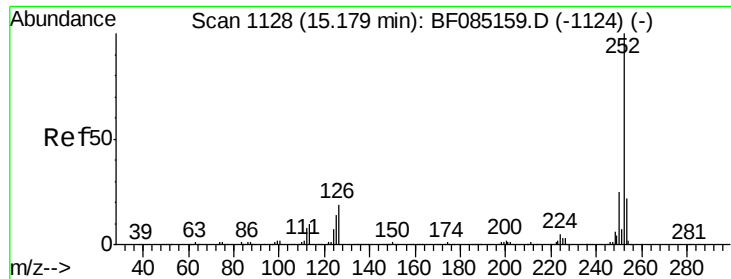
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.1	17.3	25.9





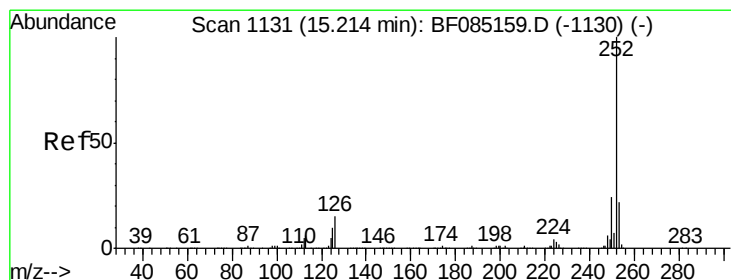
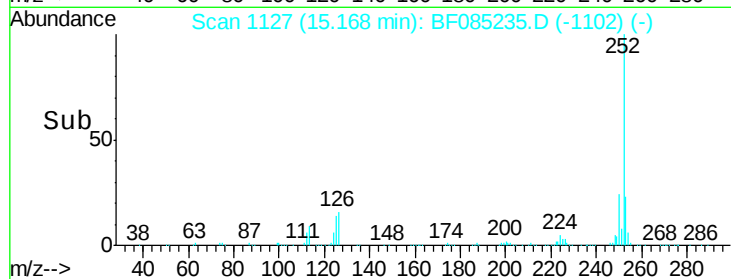
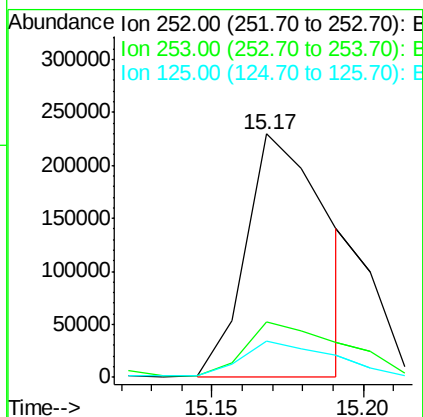
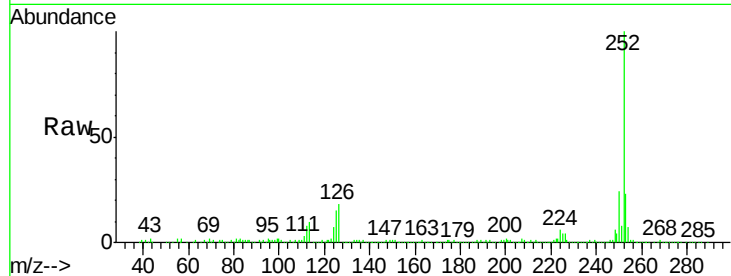
#87
Benzo(b)fluoranthene
Concen: 21.98 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP(0.5-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.7	11.3	16.9

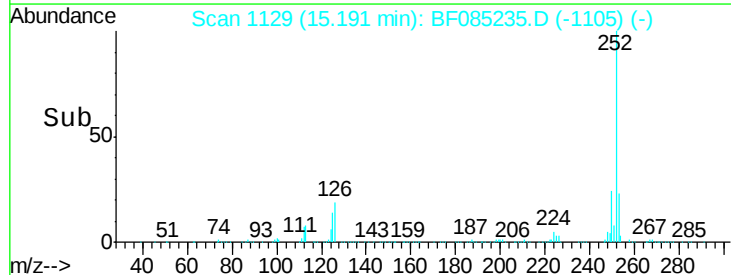
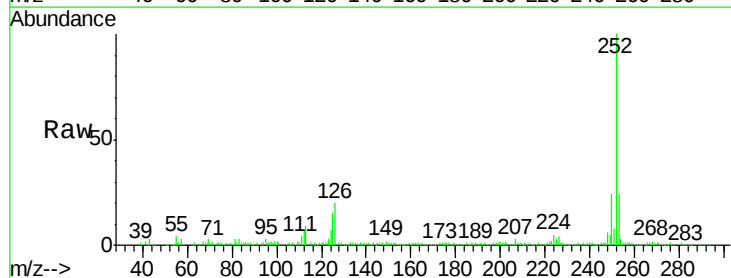
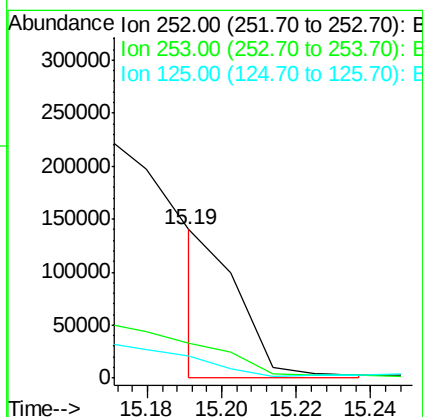
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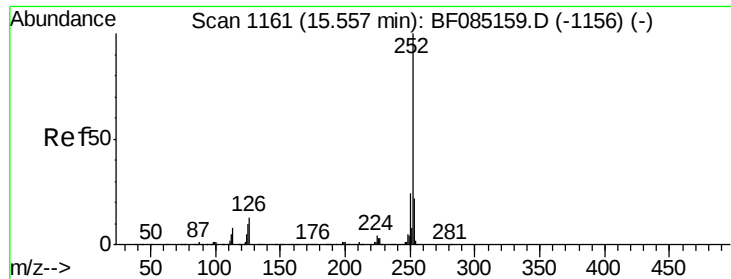
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#88
Benzo(k)fluoranthene
Concen: 5.11 ng m
RT: 15.19 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	15.1	10.4	15.6





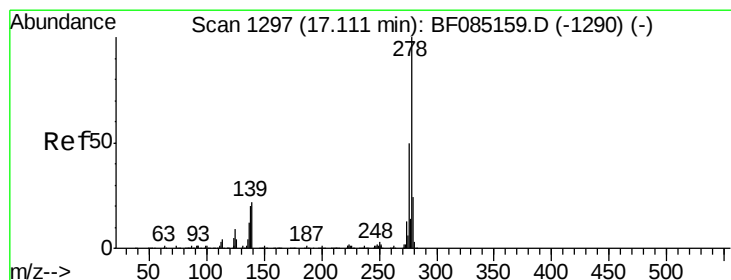
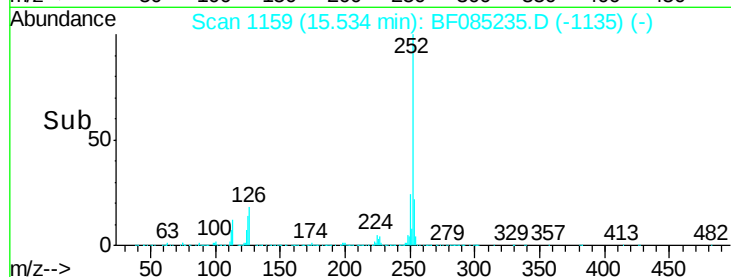
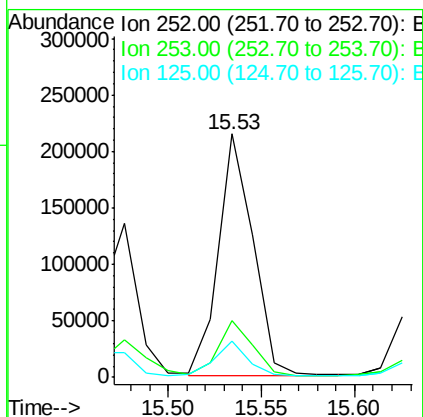
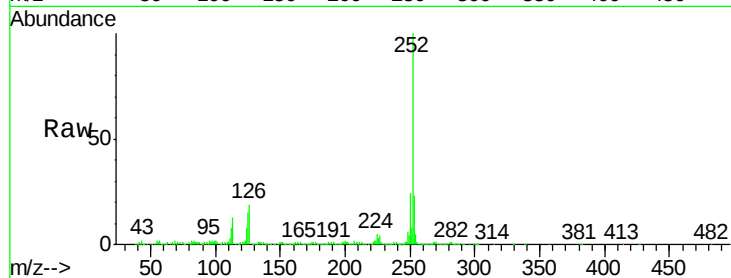
#89
Benzo(a)pyrene
Concen: 17.28 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP(0.5-3.5)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.4	26.0
125	14.7	8.2	12.4

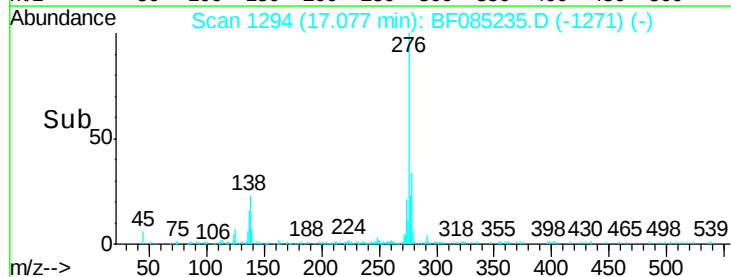
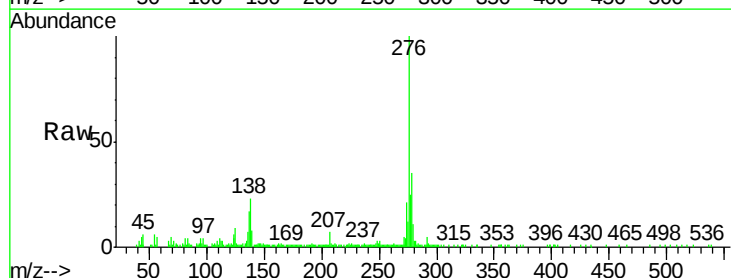
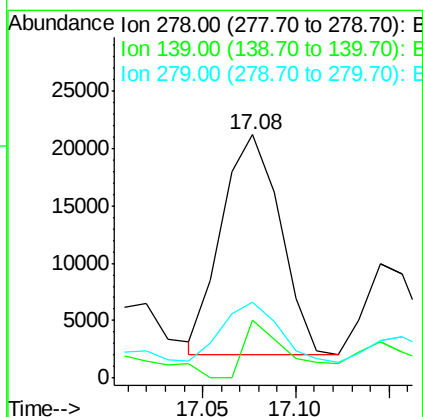
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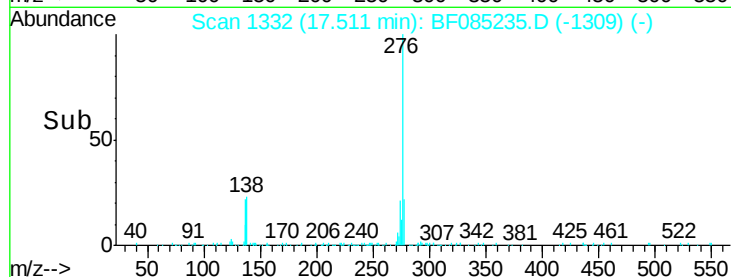
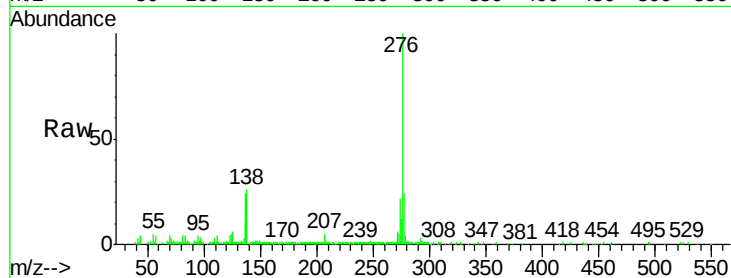
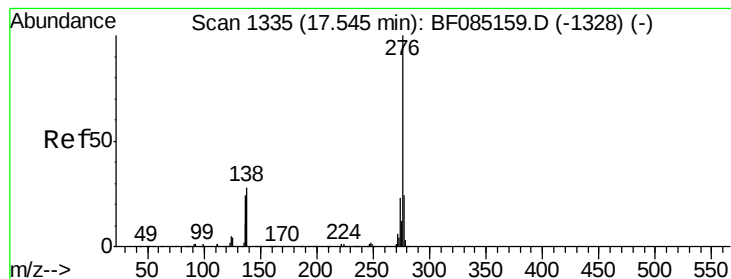
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#90
Dibenzo(a,h)anthracene
Concen: 3.04 ng
RT: 17.08 min Scan# 1294
Delta R.T. -0.03 min
Lab File: BF085235.D
Acq: 5 Mar 2016 6:21

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	23.9	17.3	25.9
279	31.1	19.2	28.8





#91

Benzo(a,h,i)perylene

Concen: 11.54 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085235.D

Acq: 5 Mar 2016 6:21

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP(0.5-3.5)

Tot Ion:	276	Resp:	158837
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.4
138	26.4	22.5	33.7

Manual Integrations
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