

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
 Data File : BF085239.D
 Acq On : 5 Mar 2016 8:11
 Operator : SJ/IZ
 Sample : H1683-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-COMP-(0.0-2.0)

Manual Integrations
 APPROVED

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 3/7/2016 3:31:00 PM

Quant Time: Mar 07 13:20:38 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	152924	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	587135	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	238838	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	426714	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	252067	20.00	ng	-0.02
86) Perylene-d12	15.60	264	231927	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1429177	156.76	ng	0.01
7) Phenol-d6	6.60	99	1485031	124.33	ng	-0.01
23) Nitrobenzene-d5	7.53	82	955976	87.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	325473	159.26	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1393703	88.75	ng	-0.02
78) Terphenyl-d14	13.08	244	819197	75.44	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.96	122	29733m	4.52	ng	
49) Dimethylphthalate	9.72	163	253310	13.82	ng	# 99
70) Phenanthrene	11.52	178	165964	7.42	ng	96
71) Anthracene	11.57	178	50092	2.11	ng	97
74) Fluoranthene	12.71	202	333052	14.84	ng	95
77) Pyrene	12.94	202	311597	16.42	ng	97
80) Benzo(a)anthracene	14.12	228	152082	10.08	ng	100
82) Chrysene	14.15	228	113630m	8.15	ng	
83) Bis(2-ethylhexyl)phthalate	14.11	149	149862	13.23	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.07	276	68995	6.34	ng	95
87) Benzo(b)fluoranthene	15.17	252	190737m	12.34	ng	
88) Benzo(k)fluoranthene	15.19	252	38266m	3.07	ng	
89) Benzo(a)pyrene	15.53	252	114271	8.92	ng	# 93
91) Benzo(a,h,i)perylene	17.51	276	68384	6.22	ng	99

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

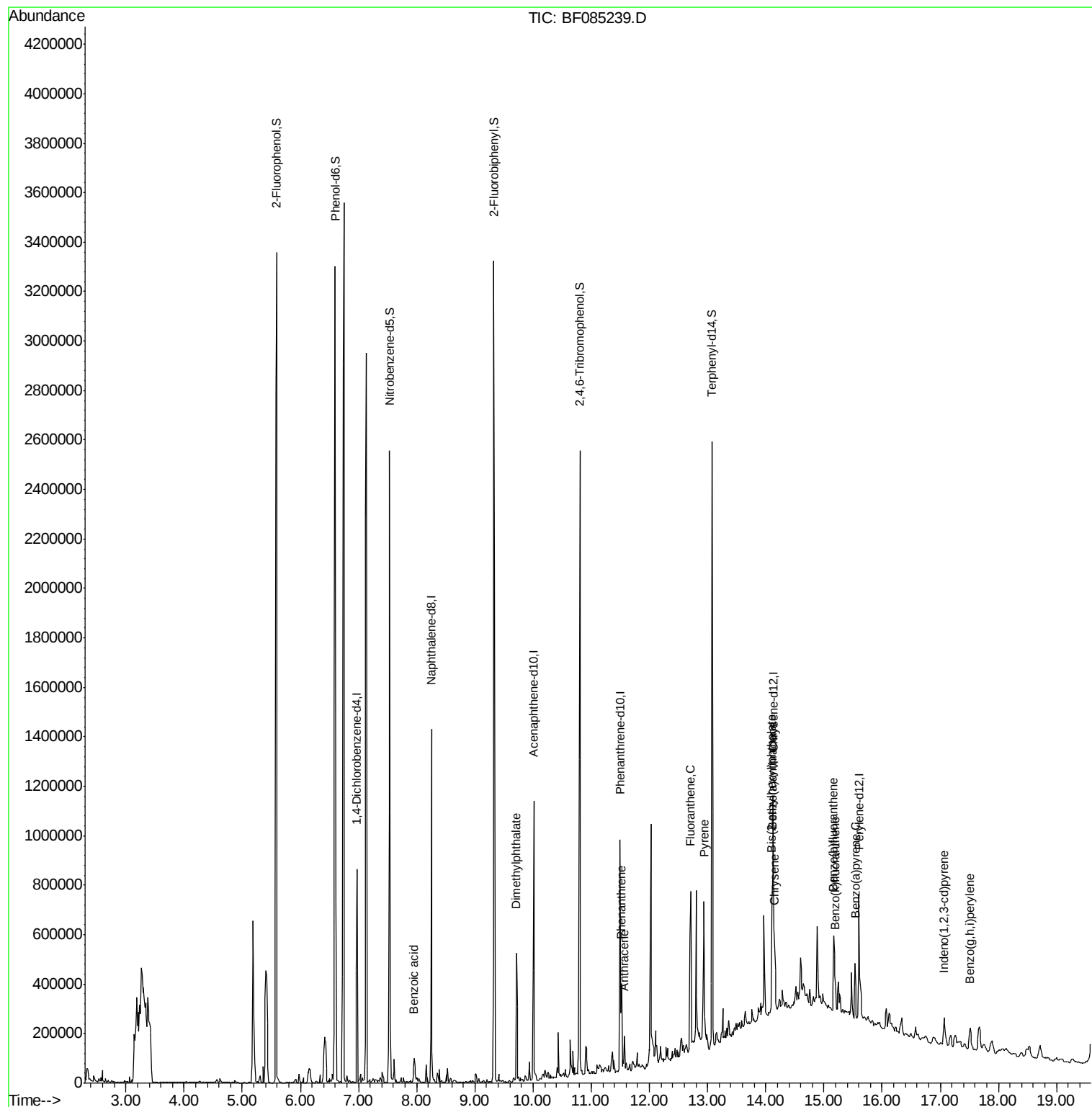
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
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Operator : SJ/IZ
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Misc :
ALS Vial : 36 Sample Multiplier: 1

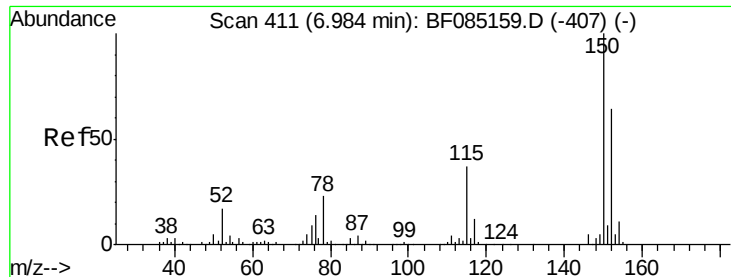
Instrument :
BNA_F
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SB-20-COMP-(0.0-2.0)

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#1

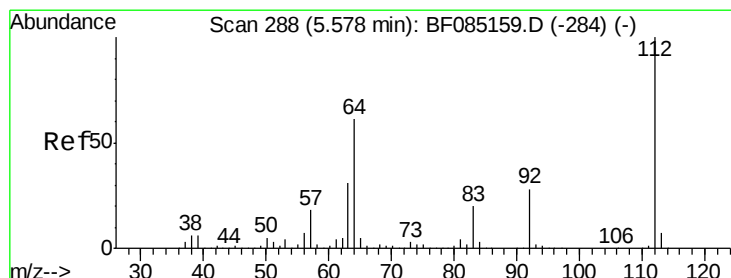
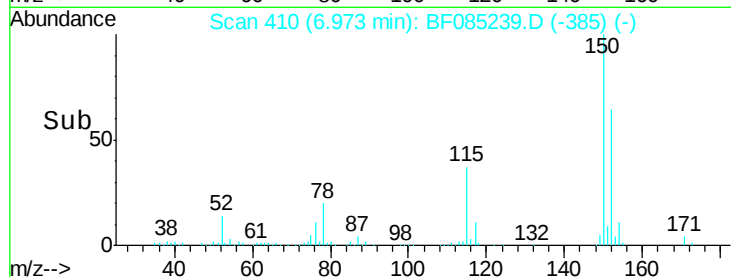
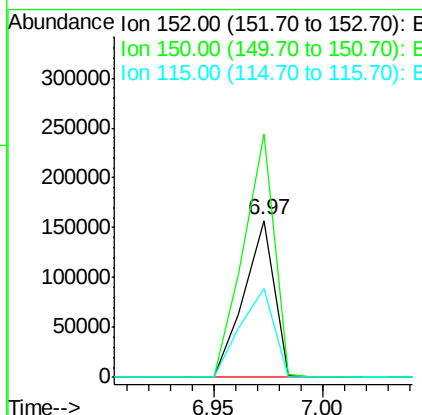
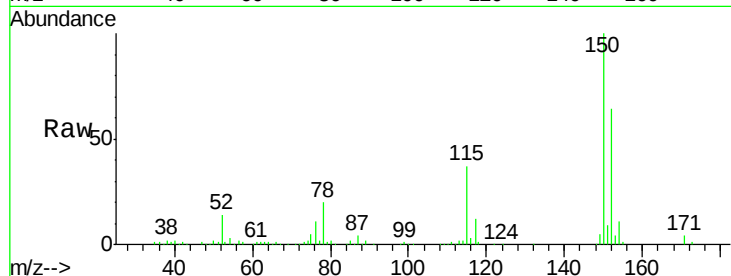
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	56.9	46.6	70.0

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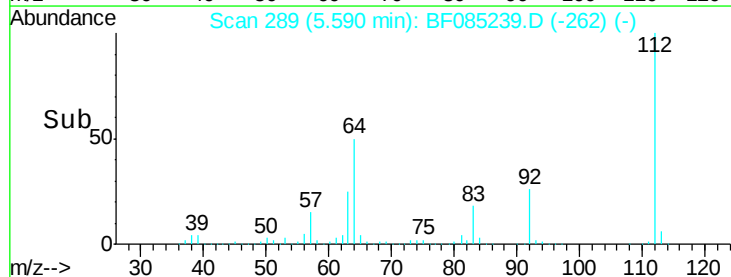
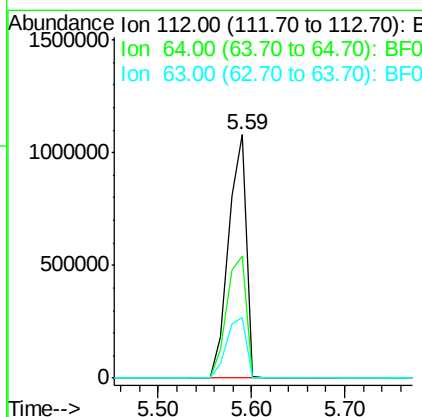
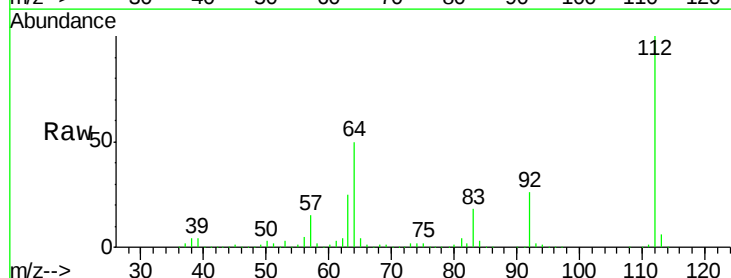
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#5

2-Fluorophenol
Concen: 156.76 ng
RT: 5.59 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.2	49.0	73.4
63	25.0	24.8	37.2





#7

Phenol-d6

Concen: 124.33 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

ClientSampleId :

SB-20-COMP-(0.0-2.0)

Tot Ion: 99 Resp: 1485031

Ion Ratio Lower Upper

99 100

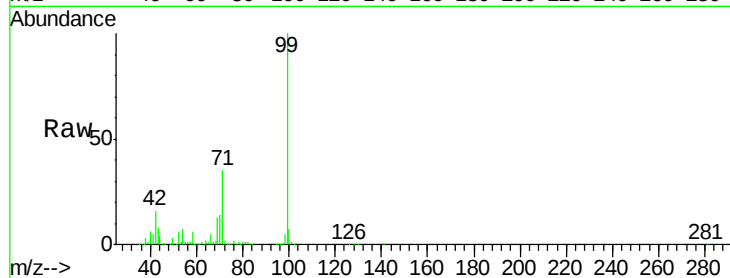
42 16.4 13.6 20.4

71 34.8 26.7 40.1

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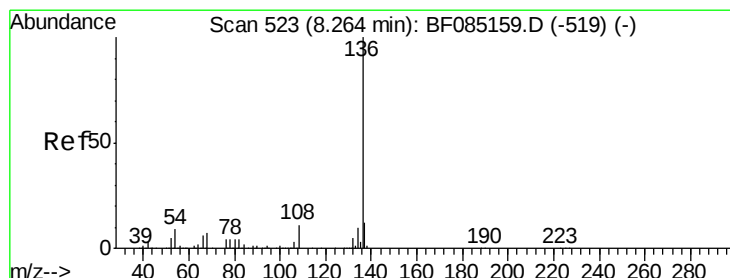
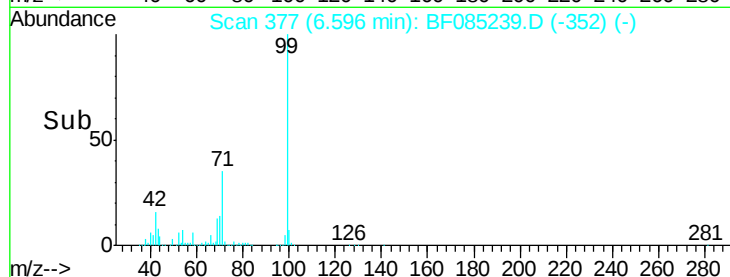
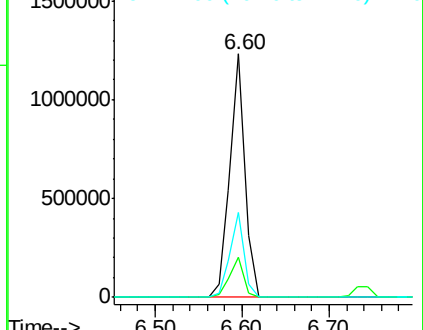
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Tgt Ion: 136 Resp: 587135

Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.5 7.4 11.2

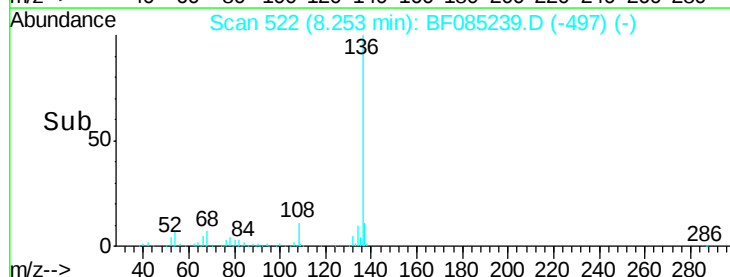
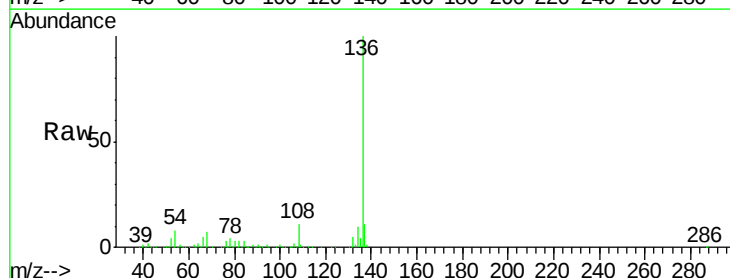
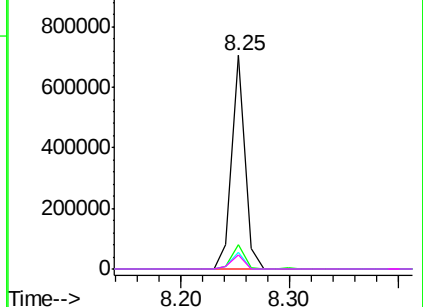
68 6.6 6.0 9.0

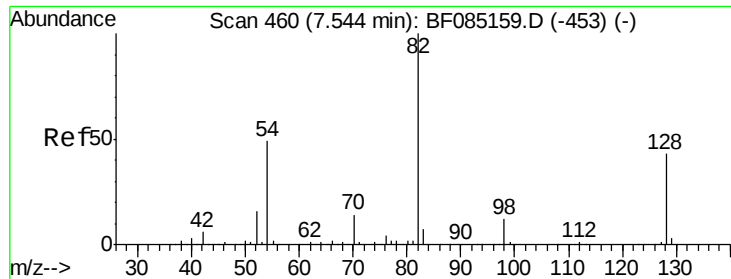
Abundance Ion 136.00 (135.70 to 136.70): E

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





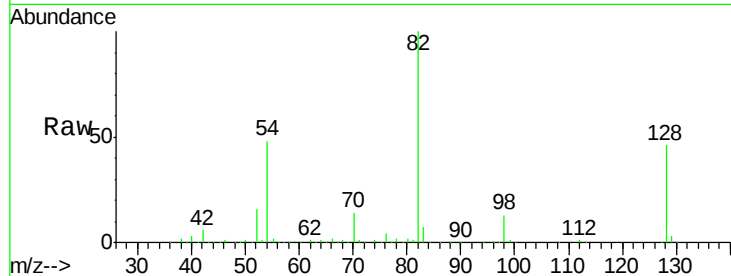
#23
 Nitrobenzene-d5
 Concen: 87.13 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-COMP-(0.0-2.0)

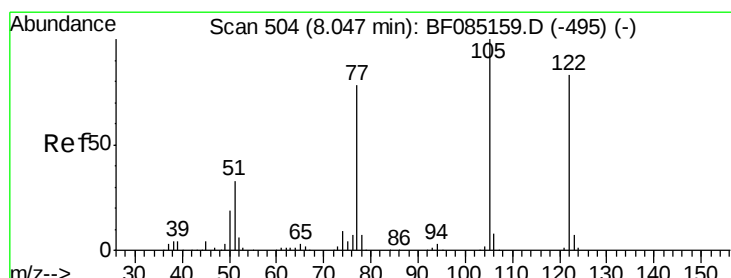
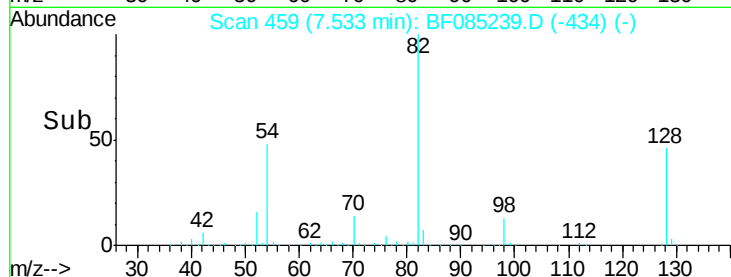
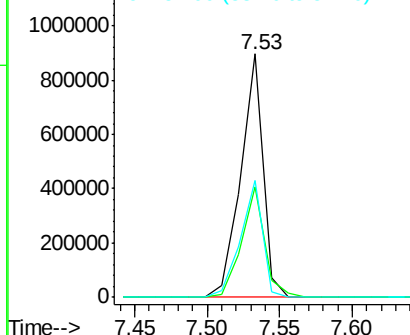
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	34.5	51.7	
54	47.8	39.3	58.9	

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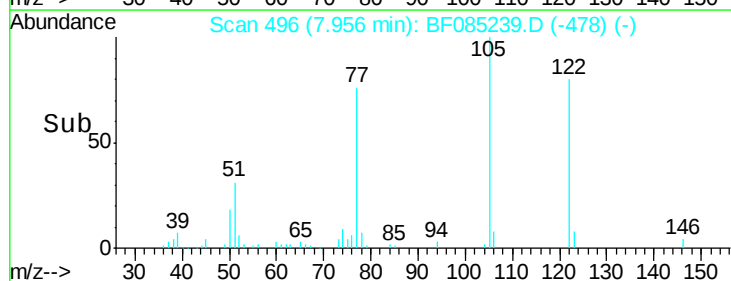
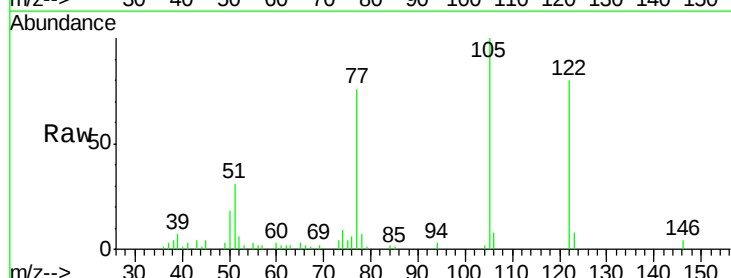
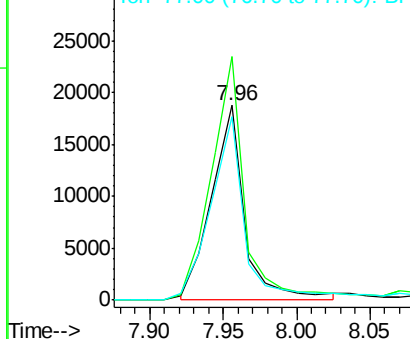
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

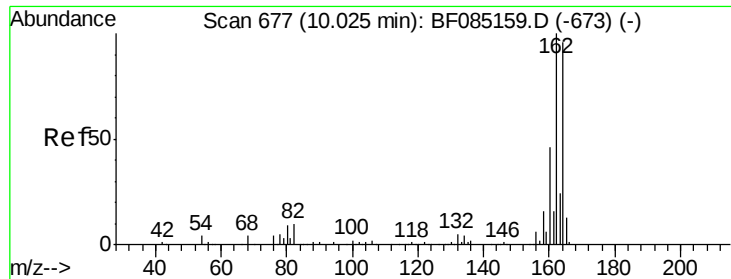


#32
 Benzoic acid
 Concen: 4.52 ng m
 RT: 7.96 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	125.0	101.3	141.3	
77	94.5	74.7	114.7	

Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085239.D

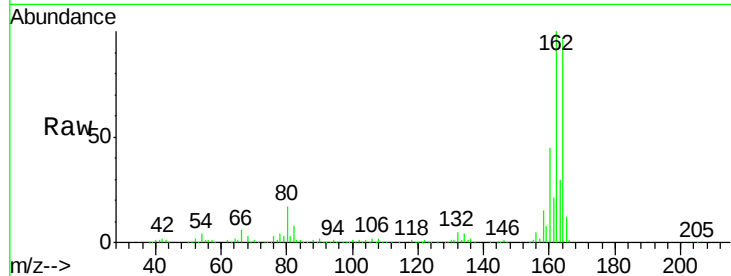
Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

ClientSampleId :

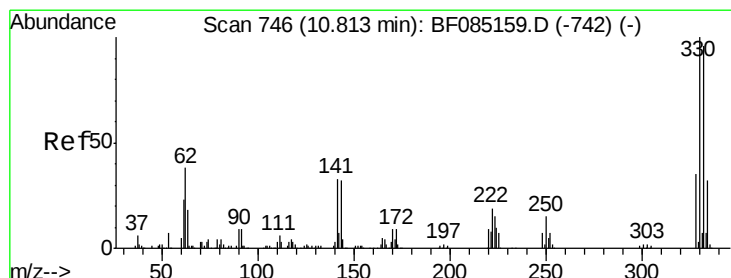
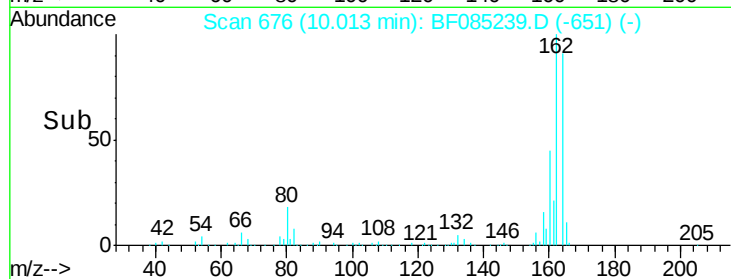
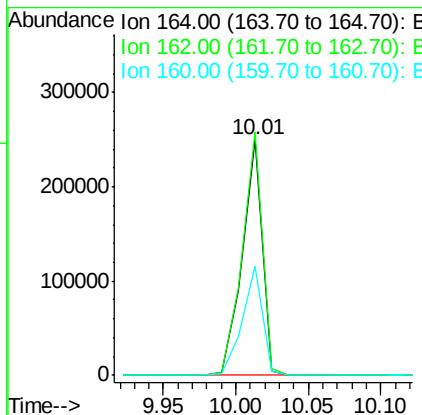
SB-20-COMP-(0.0-2.0)



Tot Ion:	164	Resp:	238838
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.3	124.9
160	46.6	37.9	56.9

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#41

2,4,6-Tribromophenol

Concen: 159.26 ng

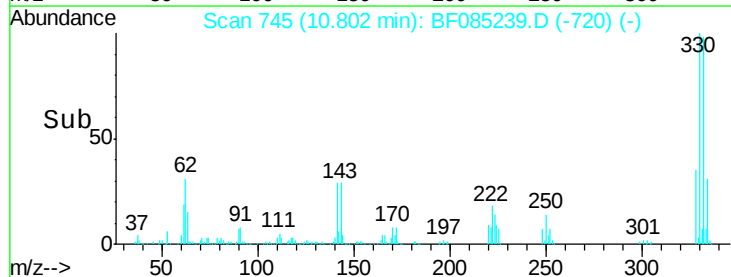
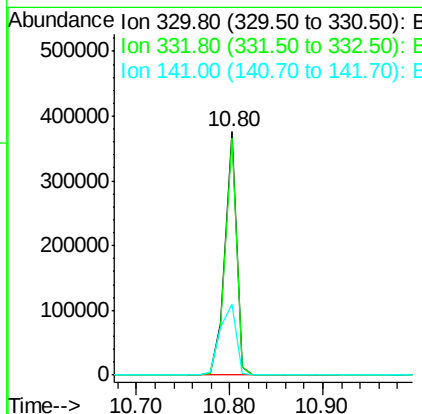
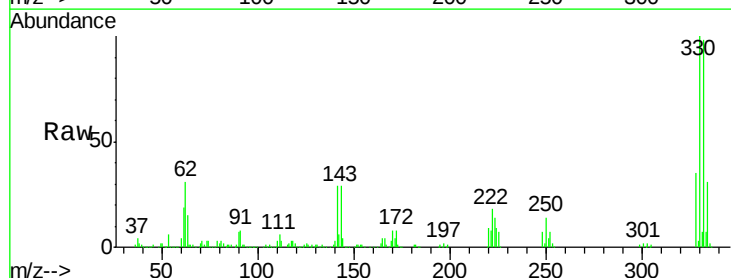
RT: 10.80 min Scan# 745

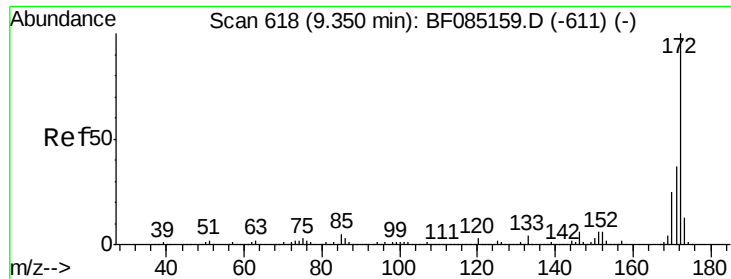
Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Tgt Ion:	330	Resp:	325473
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.1	115.7
141	40.7	35.0	52.6





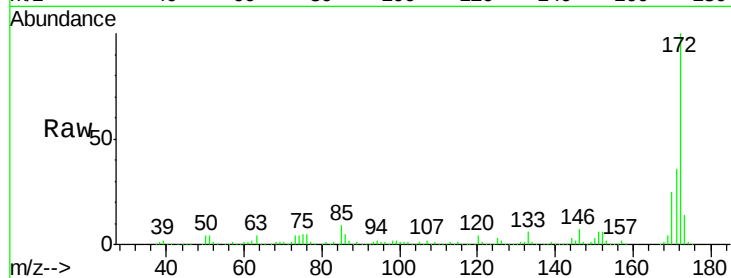
#44
2-Fluorobiphenyl
Concen: 88.75 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

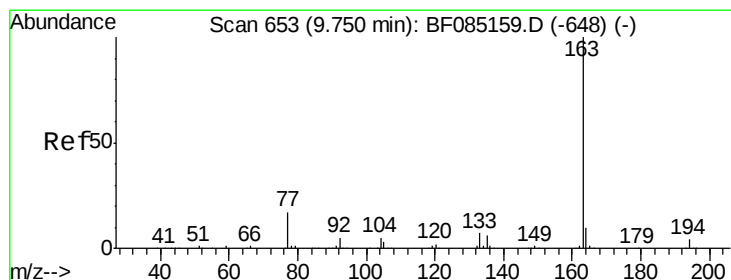
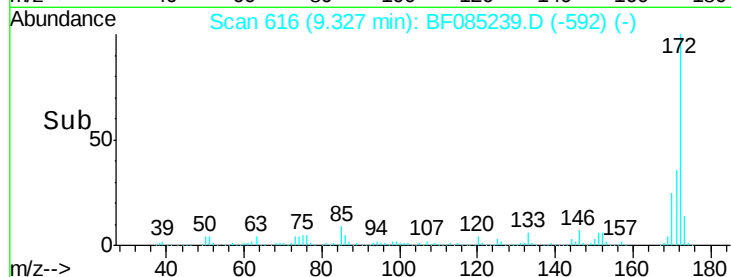
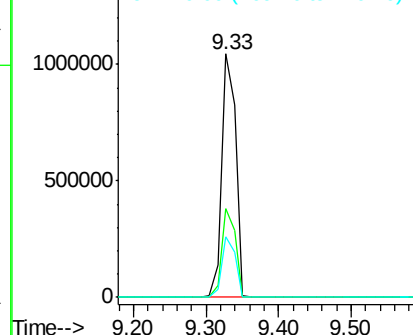
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.3	43.9
170	24.7	20.0	30.0

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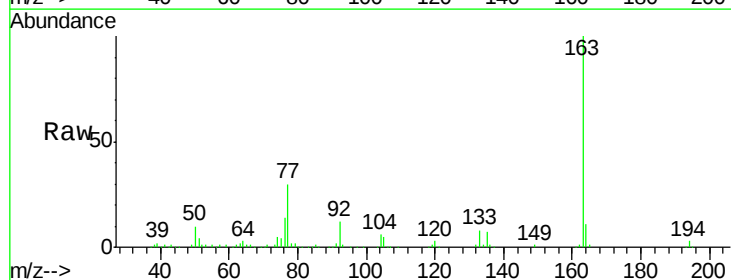


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

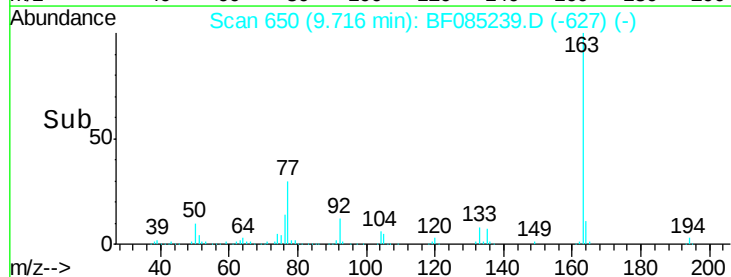
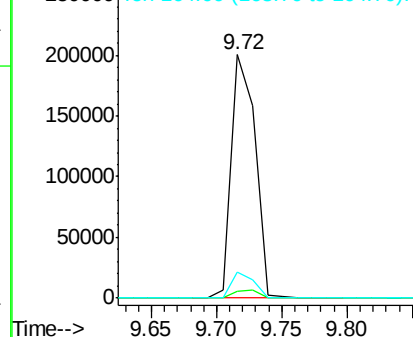


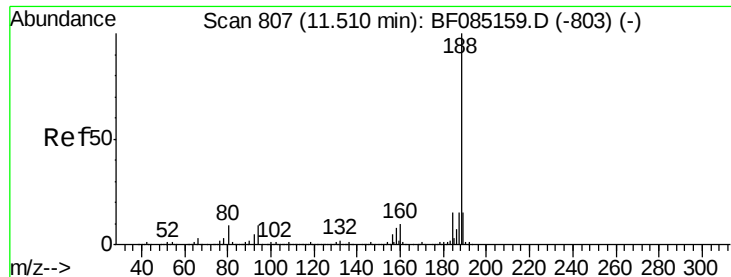
#49
Dimethylphthalate
Concen: 13.82 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.1	4.7#
164	10.5	8.2	12.4



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

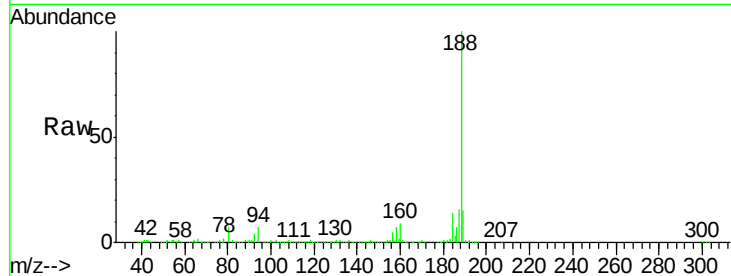
ClientSampleId :

SB-20-COMP-(0.0-2.0)

Tot Ion:	188	Resp:	426714
Ion Ratio	Lower	Upper	
188	100		
94	7.0	7.0	10.6#
80	6.8	7.4	11.0#

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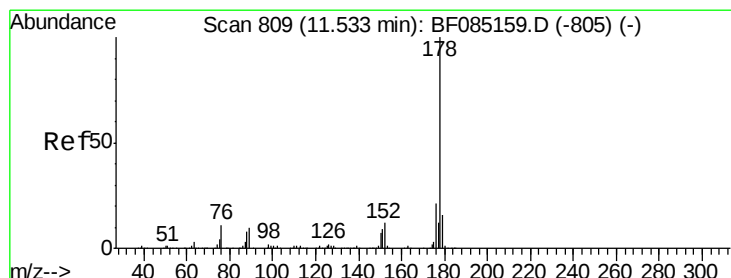
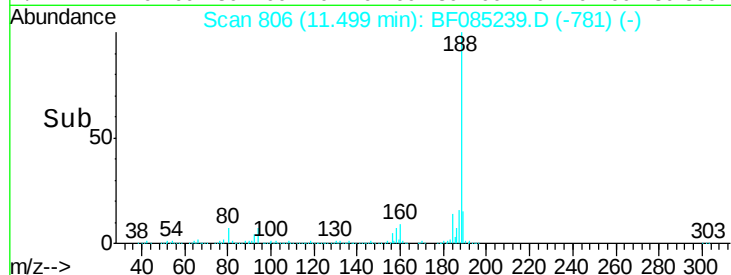
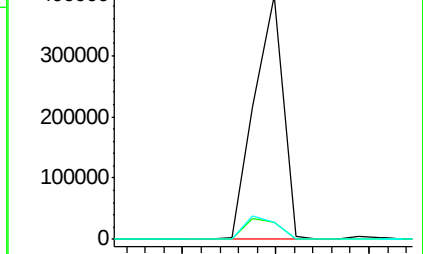
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.42 ng

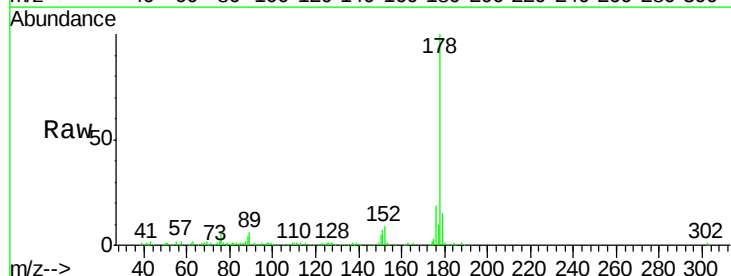
RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

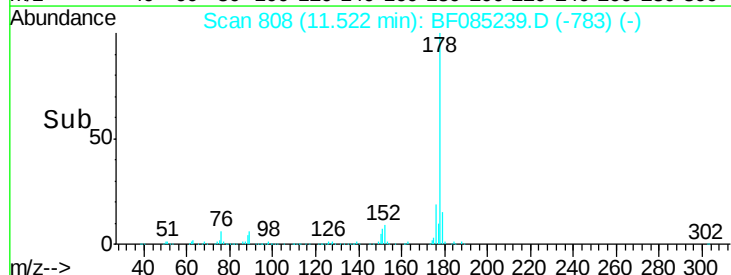
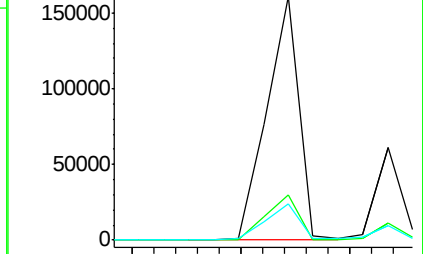
Tgt Ion:	178	Resp:	165964
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.8	25.2
179	14.8	13.1	19.7

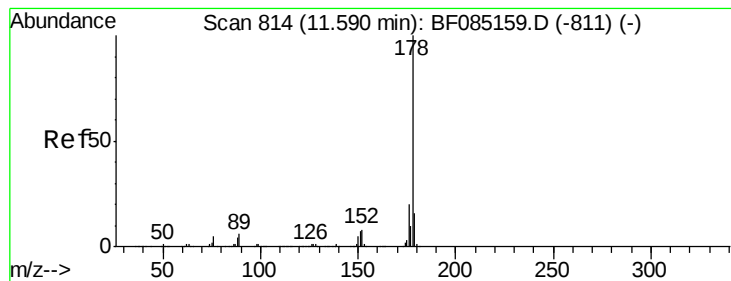


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.11 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

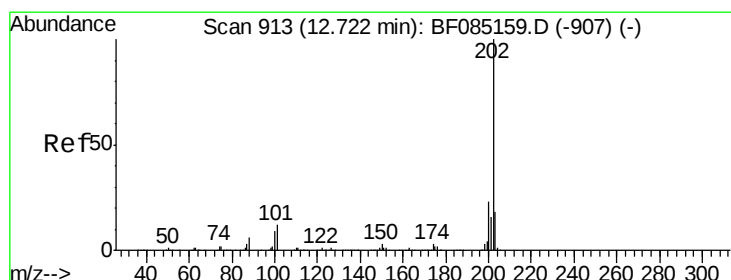
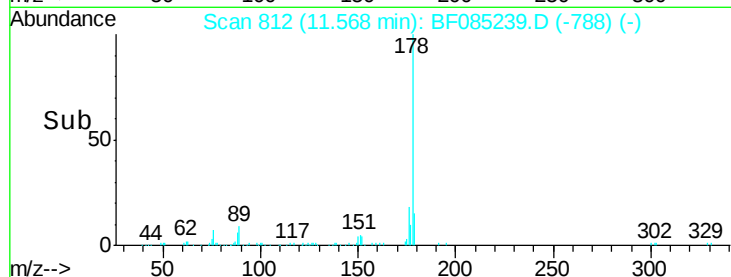
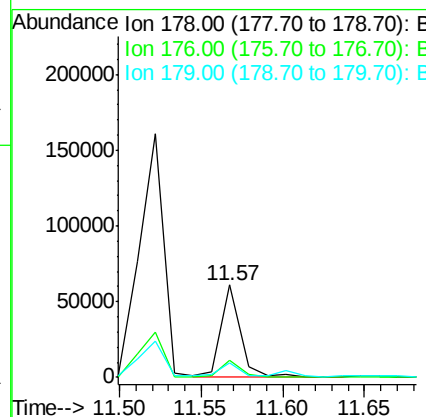
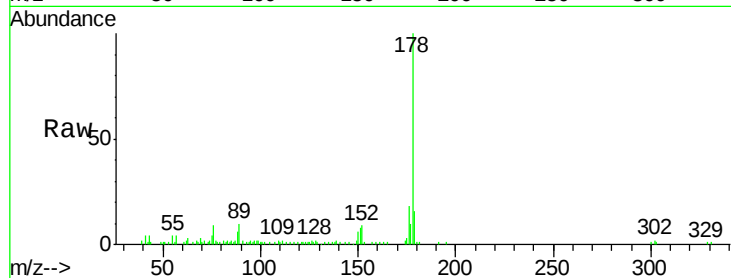
ClientSampleId :

SB-20-COMP-(0.0-2.0)

Tot Ion:	178	Resp:	50092
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.9	23.9
179	15.5	12.5	18.7

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#74

Fluoranthene

Concen: 14.84 ng

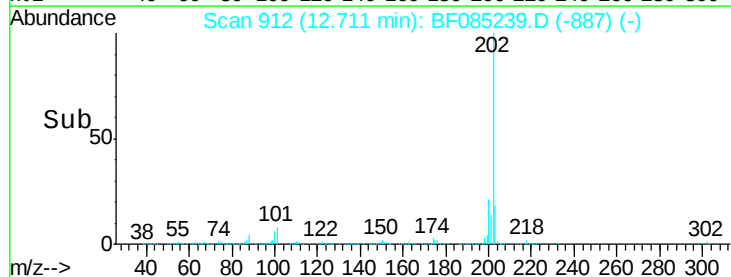
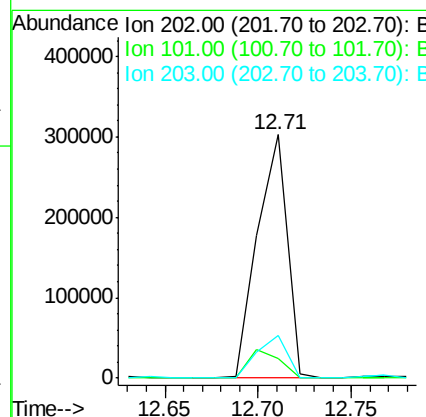
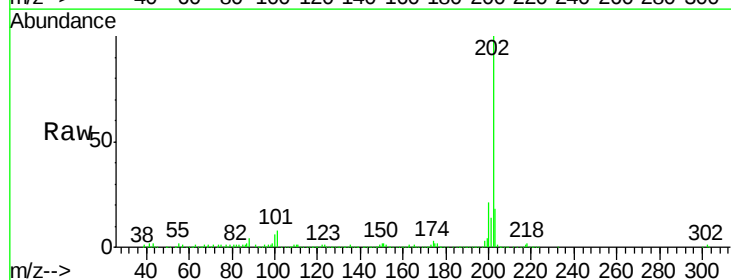
RT: 12.71 min Scan# 912

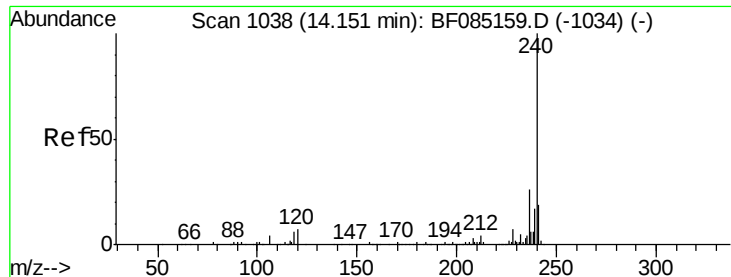
Delta R.T. -0.01 min

Lab File: BF085239.D

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Tgt Ion:	202	Resp:	333052
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	31.8
203	17.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

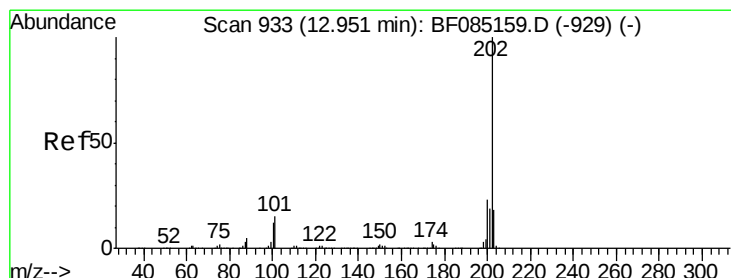
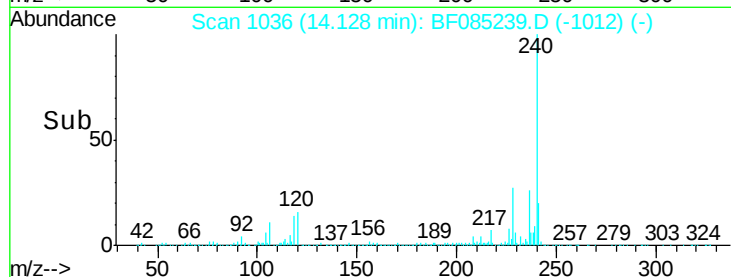
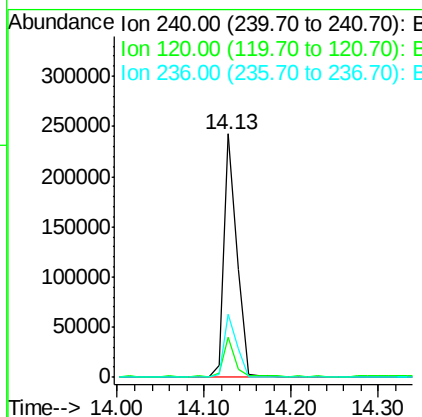
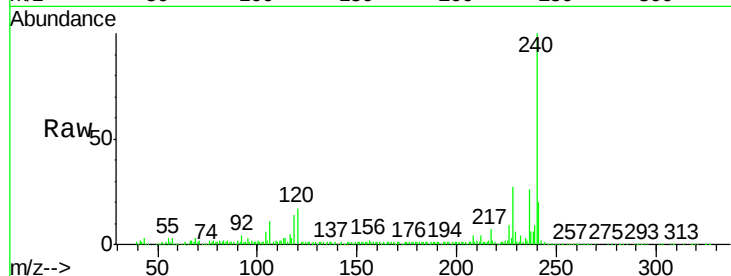
ClientSampleId :

SB-20-COMP-(0.0-2.0)

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.7	5.3	7.9#
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 16.42 ng

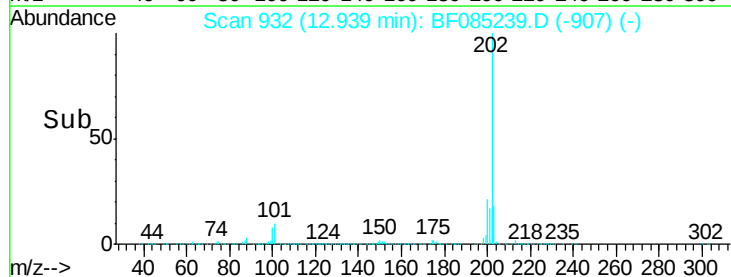
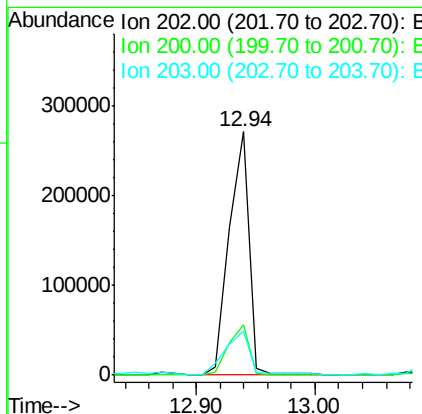
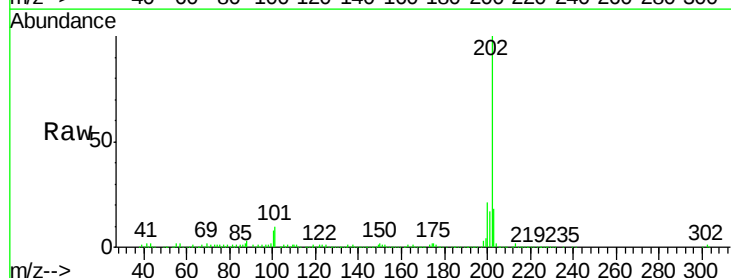
RT: 12.94 min Scan# 932

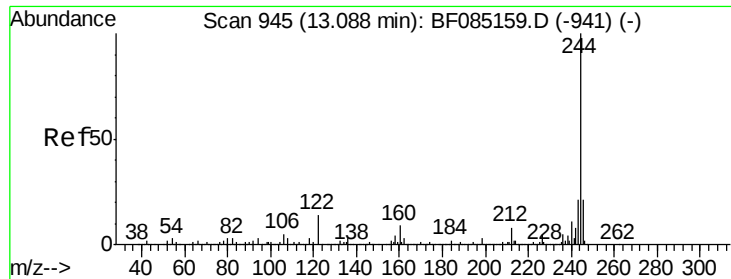
Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.2	27.4
203	17.9	14.7	22.1





#78

Terphenyl-d14

Concen: 75.44 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

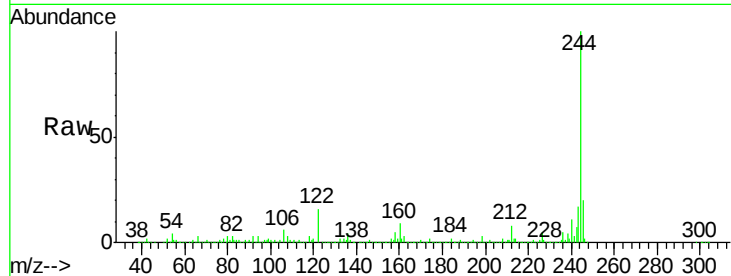
ClientSampleId :

SB-20-COMP-(0.0-2.0)

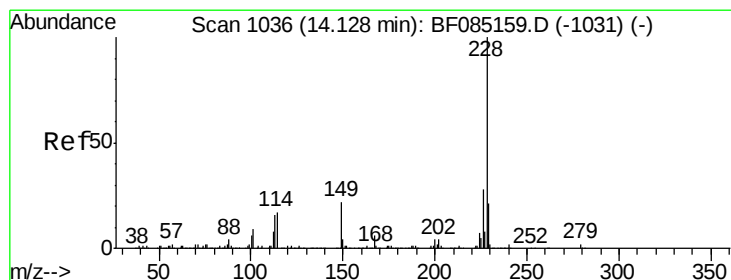
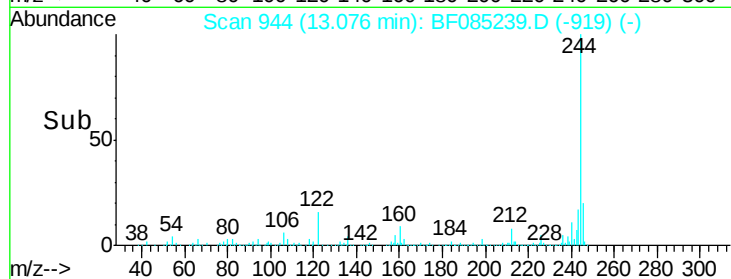
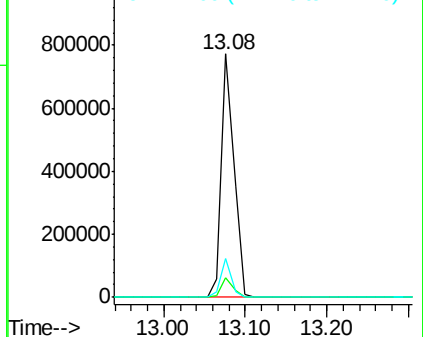
Tot Ion:	244	Resp:	819197
Ion Ratio		Lower	Upper
244	100		
212	7.9	6.4	9.6
122	16.1	11.4	17.2

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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: 10.08 ng

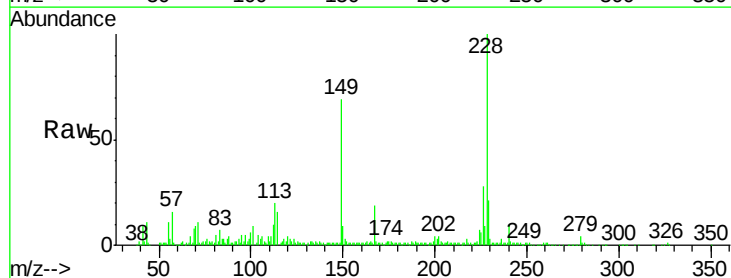
RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

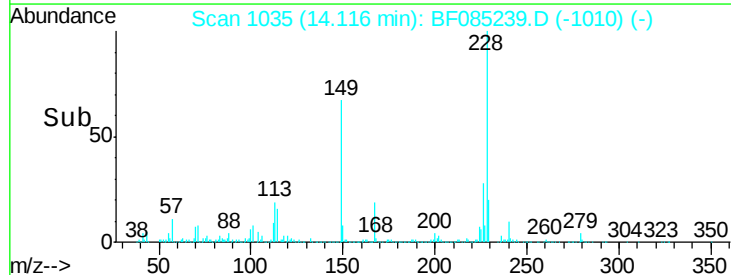
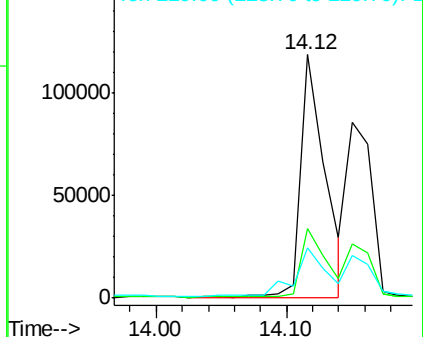
Lab File: BF085239.D

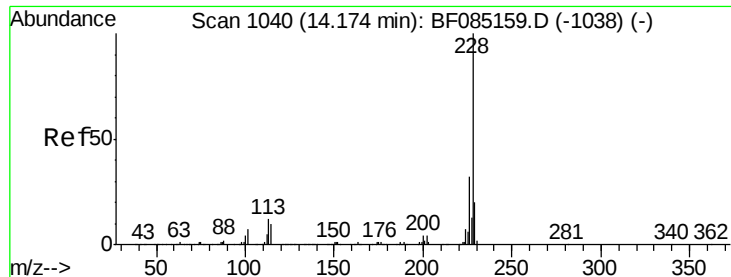
Acq: 5 Mar 2016 8:11

Tgt Ion:	228	Resp:	152082
Ion Ratio		Lower	Upper
228	100		
226	28.5	22.8	34.2
229	20.9	16.6	24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





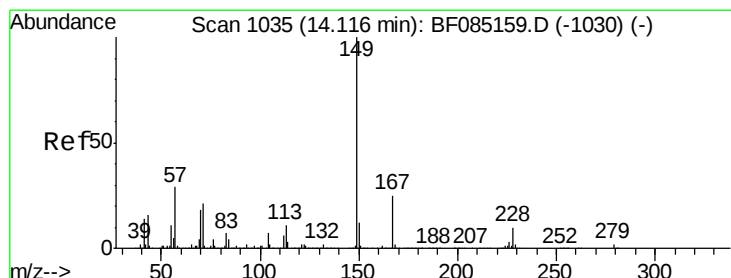
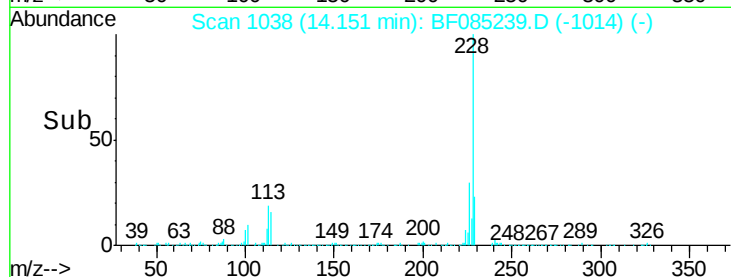
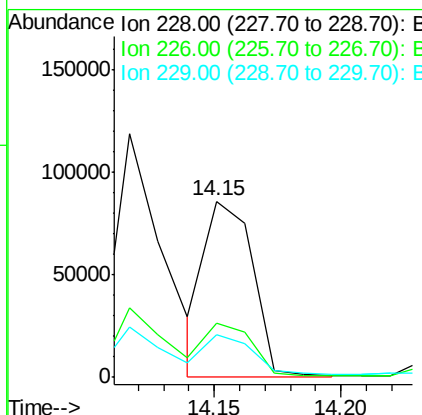
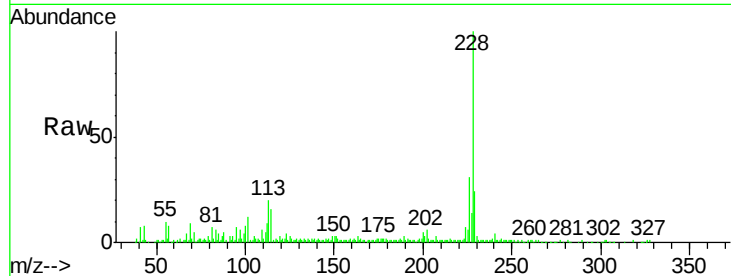
#82
Chrysene
Concen: 8.15 ng/ml
RT: 14.15 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	24.0	16.0	24.0

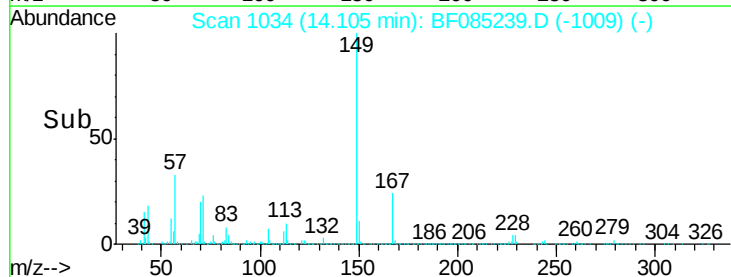
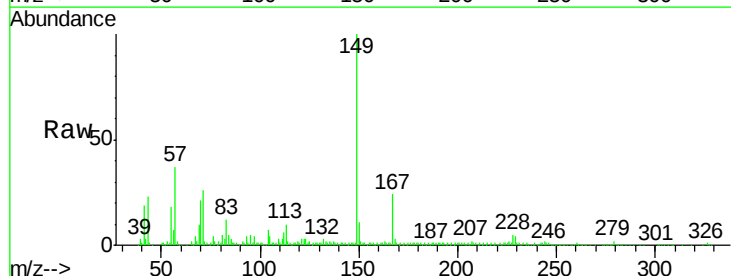
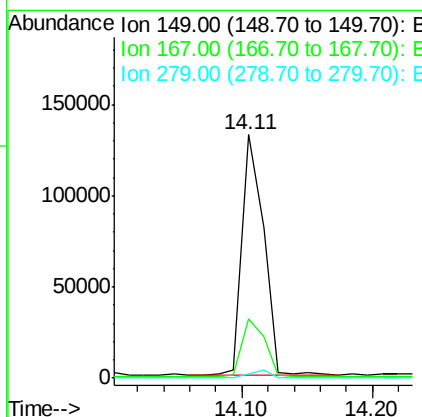
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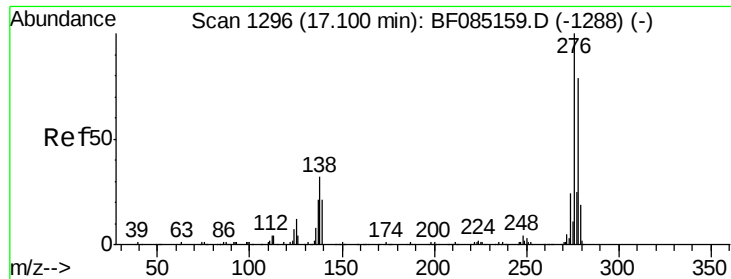
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#83
Bis(2-ethylhexyl)phthalate
Concen: 13.23 ng/ml
RT: 14.11 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.3	20.3	30.5
279	1.8	1.9	2.9





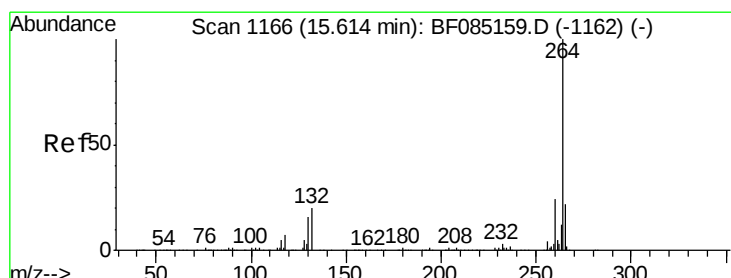
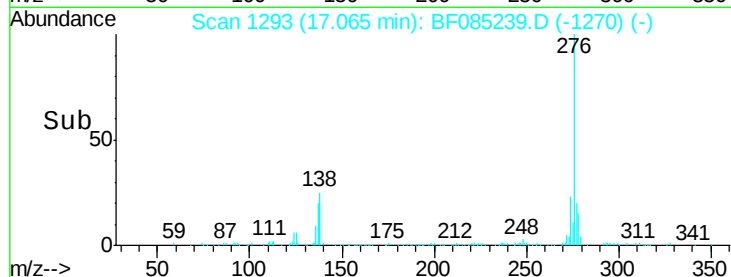
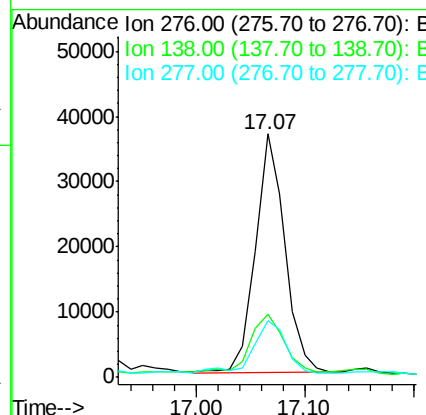
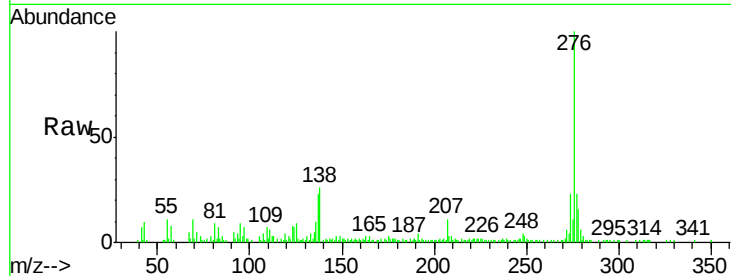
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.34 ng
RT: 17.07 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	28.3	26.4	39.6		
277	26.1	20.2	30.2		

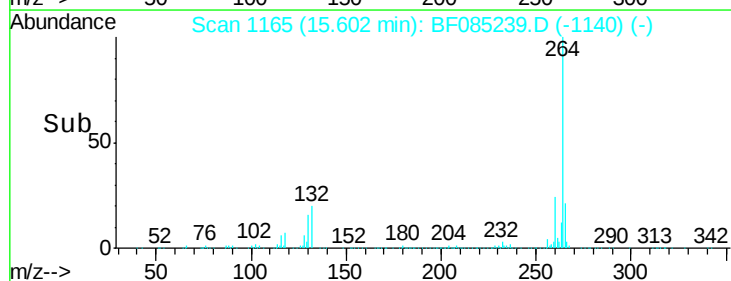
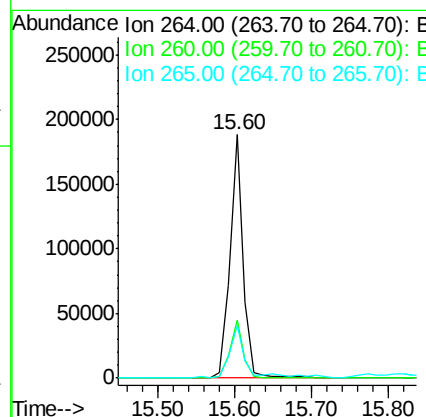
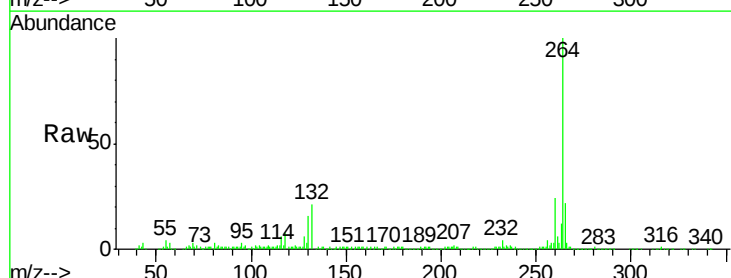
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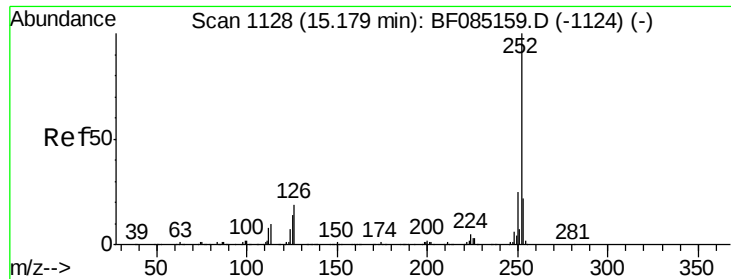
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.0	19.2	28.8		
265	21.7	17.3	25.9		





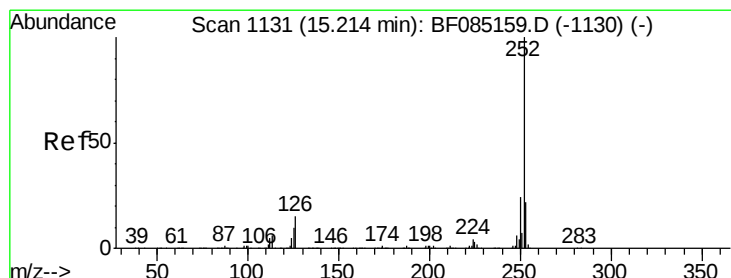
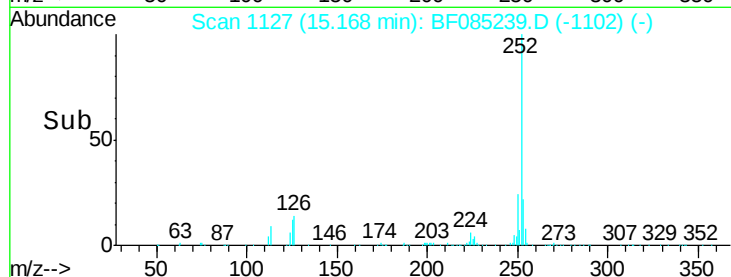
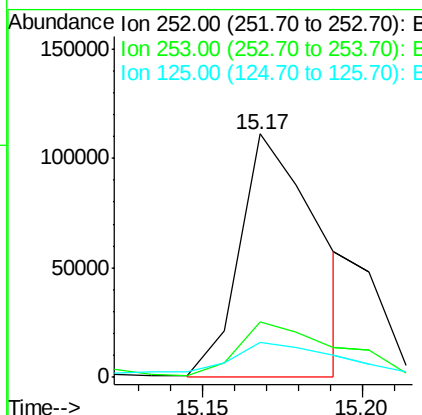
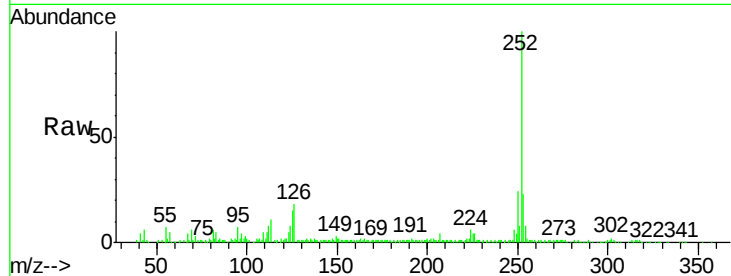
#87
Benzo(b)fluoranthene
Concen: 12.34 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.6	11.3	16.9

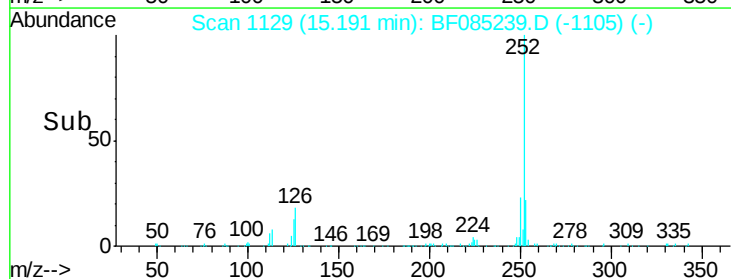
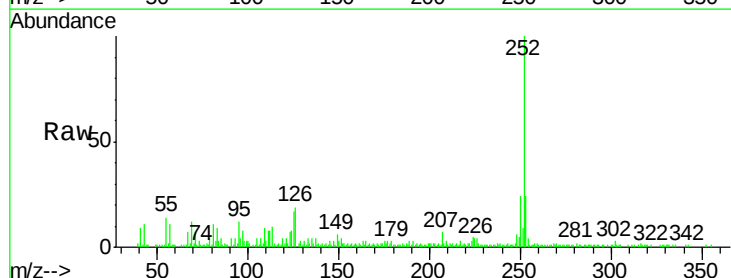
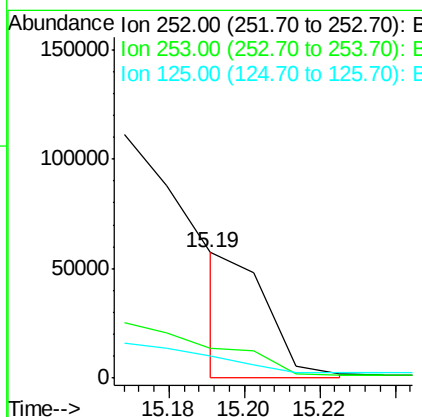
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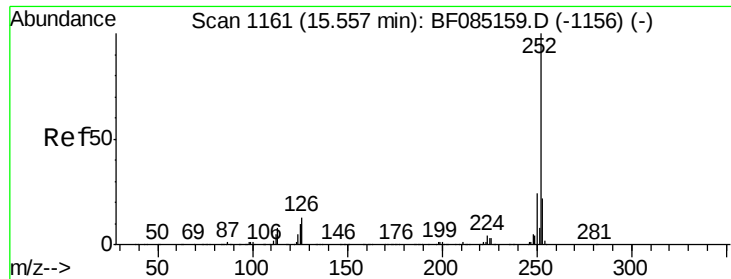
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#88
Benzo(k)fluoranthene
Concen: 3.07 ng m
RT: 15.19 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	17.3	10.4	15.6#





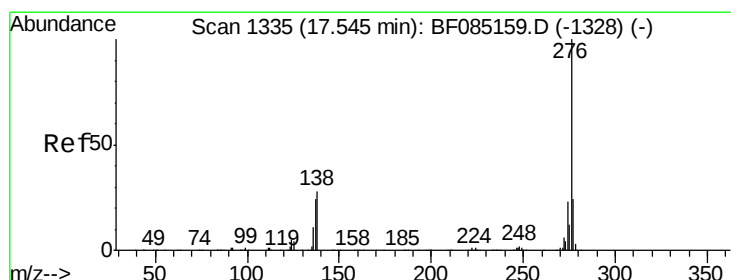
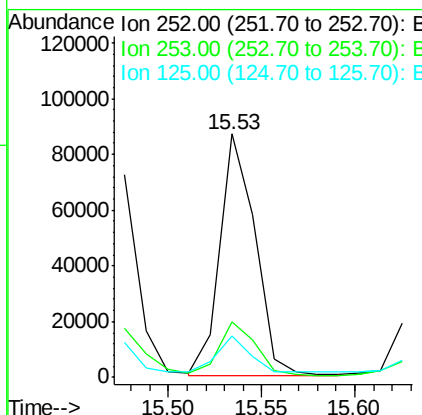
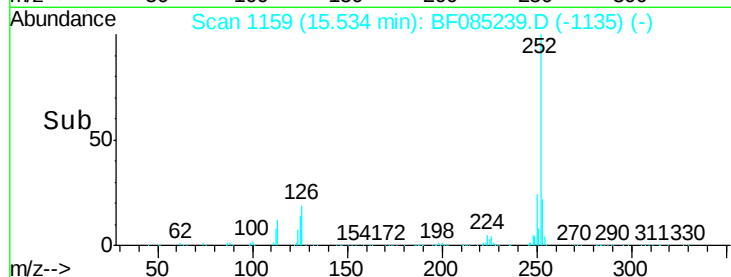
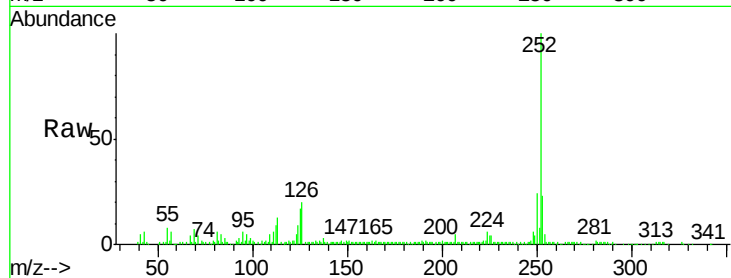
#89
Benzo(a)pyrene
Concen: 8.92 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	16.8	8.2	12.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.22 ng
RT: 17.51 min Scan# 1332
Delta R.T. -0.03 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	28.4	22.5	33.7

