

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
 Data File : BF085240.D
 Acq On : 5 Mar 2016 8:39
 Operator : SJ/IZ
 Sample : H1683-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMP(0.0-3.5)

Manual Integrations
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Quant Time: Mar 07 00:55:19 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	155775	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	584276	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	240718	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	386357	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	253715	20.00	ng	-0.02
86) Perylene-d12	15.60	264	244120	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1292941	139.22	ng	0.00
7) Phenol-d6	6.60	99	1293944	106.35	ng	-0.01
23) Nitrobenzene-d5	7.53	82	888186	81.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	268519	130.37	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1116544	70.54	ng	-0.02
78) Terphenyl-d14	13.08	244	726758	66.50	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.73	163	241673	13.08	ng	98
70) Phenanthrene	11.52	178	312976	15.46	ng	97
71) Anthracene	11.57	178	65736	3.06	ng	98
74) Fluoranthene	12.71	202	372017	18.31	ng	96
77) Pyrene	12.94	202	427211	22.37	ng	97
80) Benzo(a)anthracene	14.12	228	223097	14.69	ng	99
82) Chrysene	14.15	228	175433m	12.50	ng	
85) Indeno(1,2,3-cd)pyrene	17.07	276	64187	5.86	ng	# 91
87) Benzo(b)fluoranthene	15.17	252	195762m	12.03	ng	
88) Benzo(k)fluoranthene	15.19	252	42682m	3.25	ng	
89) Benzo(a)pyrene	15.53	252	130539	9.68	ng	# 93
91) Benzo(a,h,i)perylene	17.51	276	62605	5.41	ng	98

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

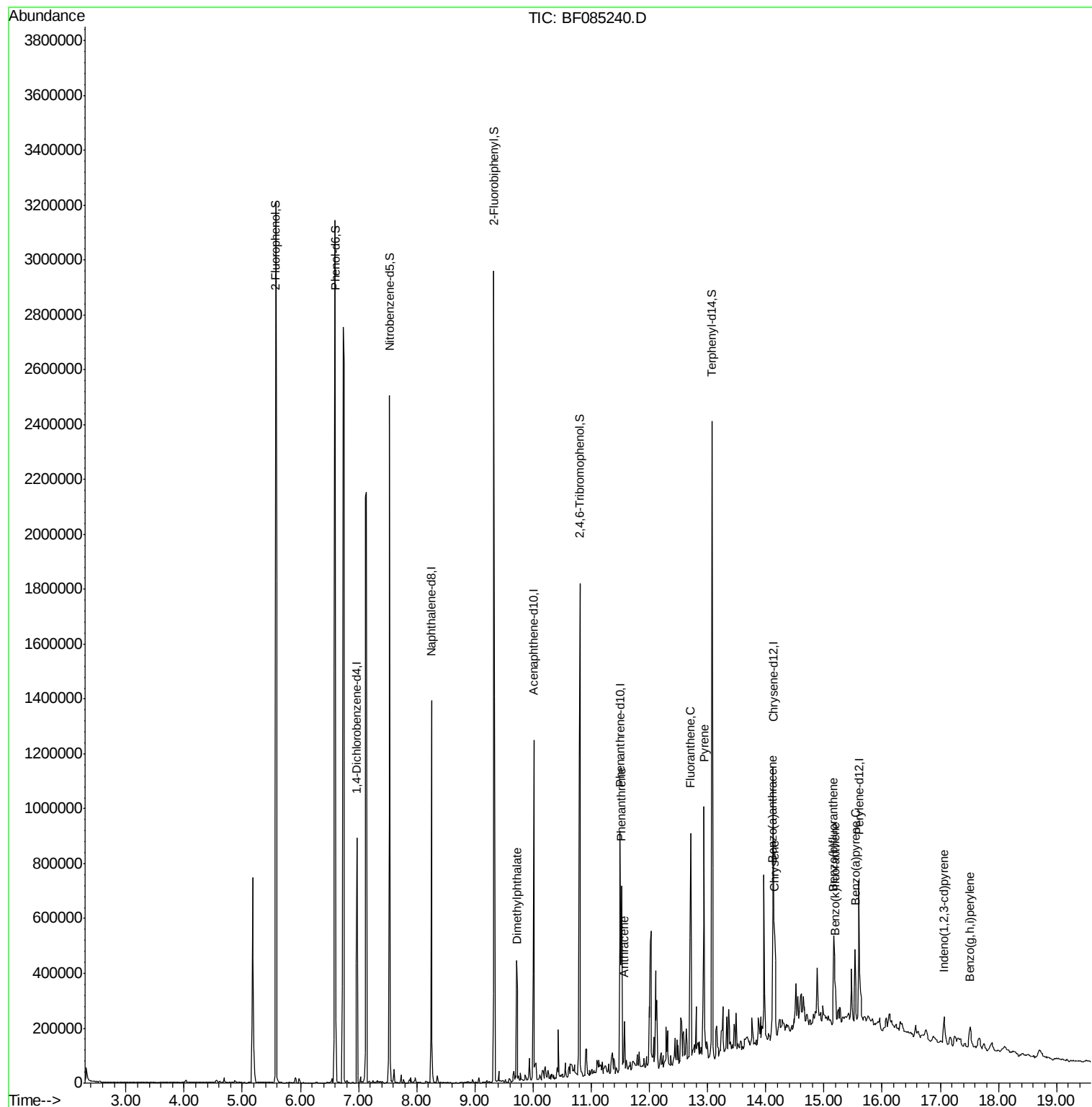
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
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Misc :
ALS Vial : 37 Sample Multiplier: 1

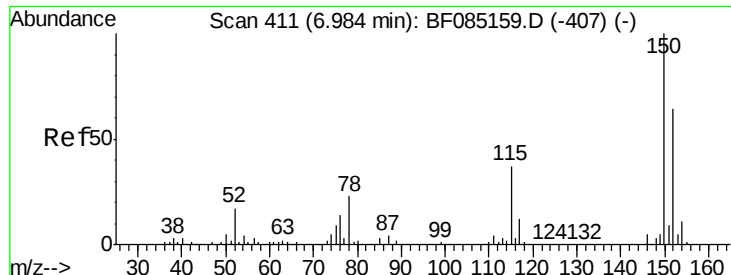
Instrument :
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ClientSampleId :
SB-26-COMP(0.0-3.5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
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#1

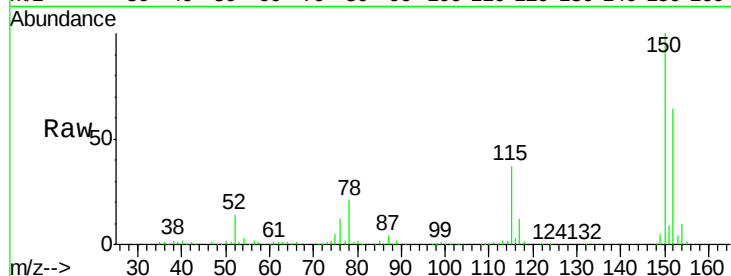
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP(0.0-3.5)

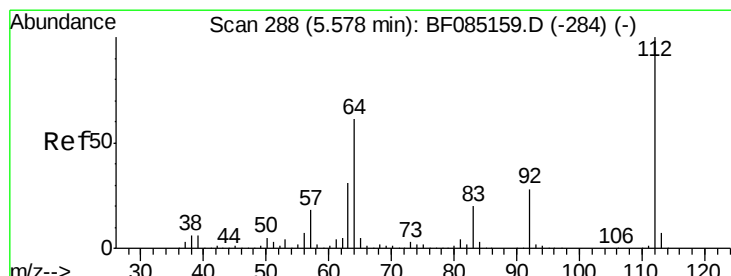
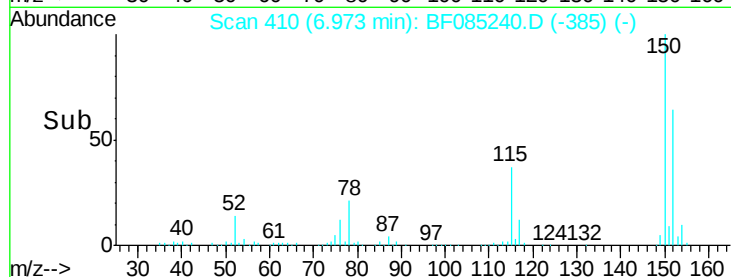
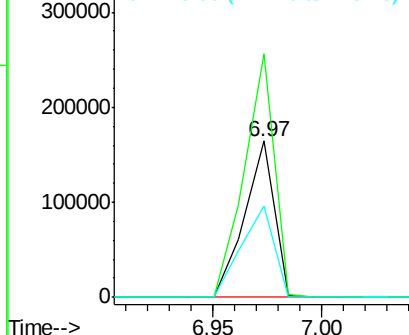
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	58.3	46.6	70.0

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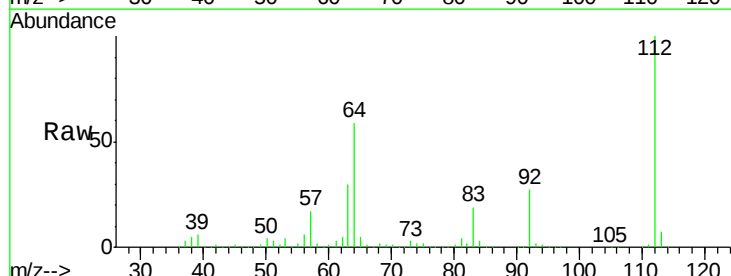
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



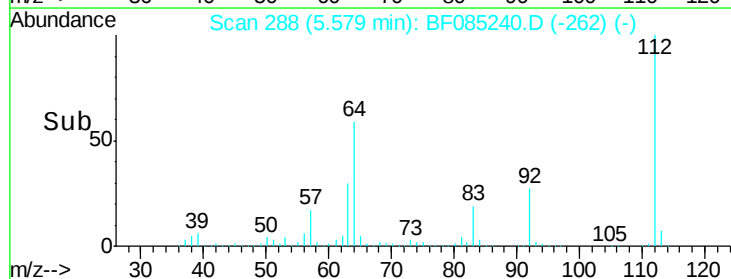
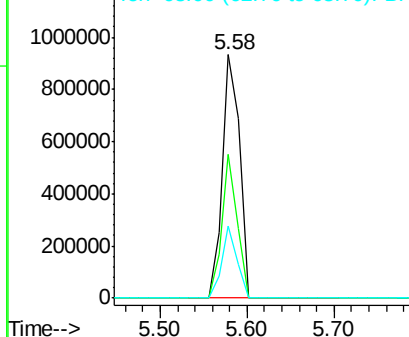
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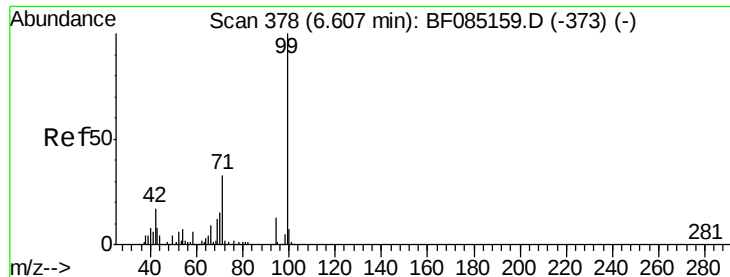
2-Fluorophenol
Concen: 139.22 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.0	73.4
63	29.7	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: 106.35 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

SB-26-COMP(0.0-3.5)

Tot Ion: 99 Resp: 1293944

Ion Ratio Lower Upper

99 100

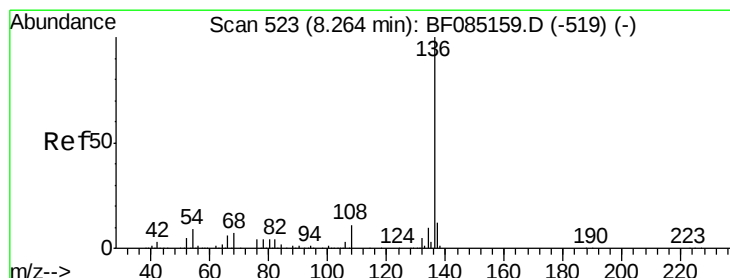
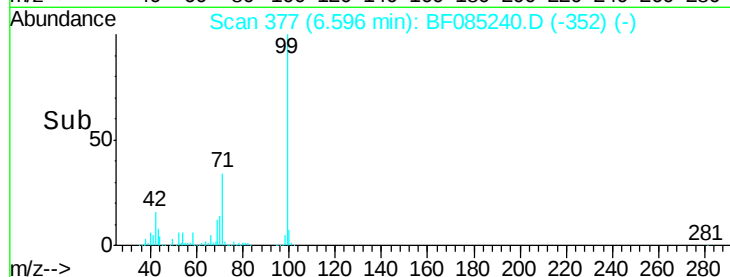
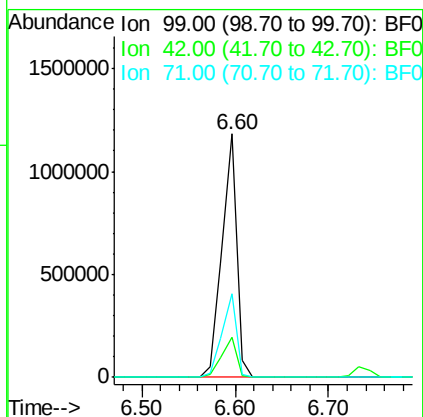
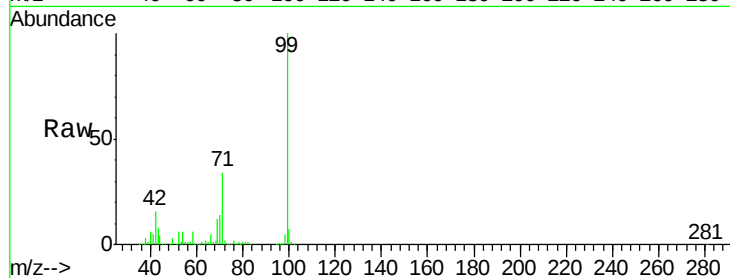
42 16.3 13.6 20.4

71 34.5 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: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion: 136 Resp: 584276

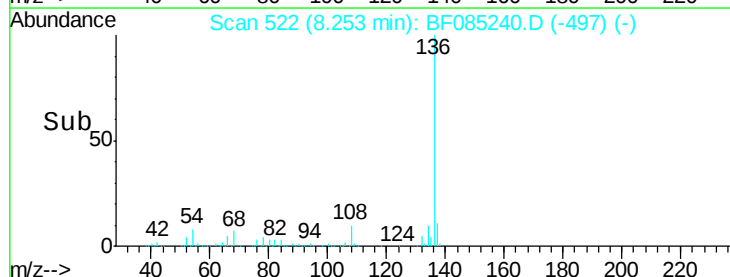
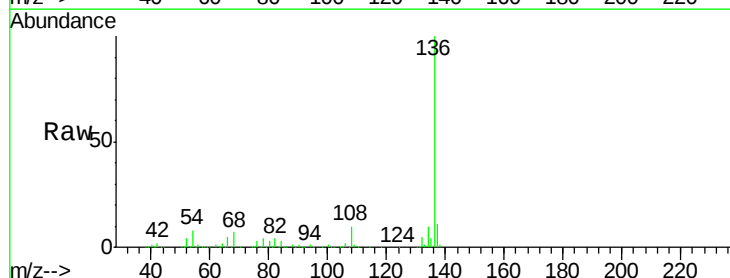
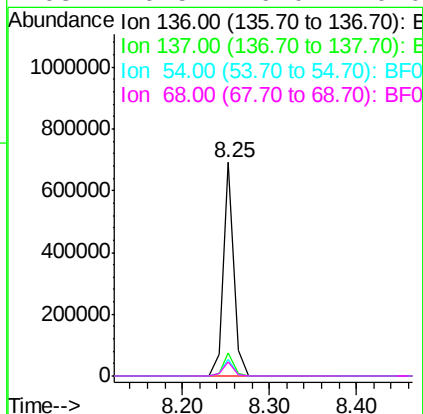
Ion Ratio Lower Upper

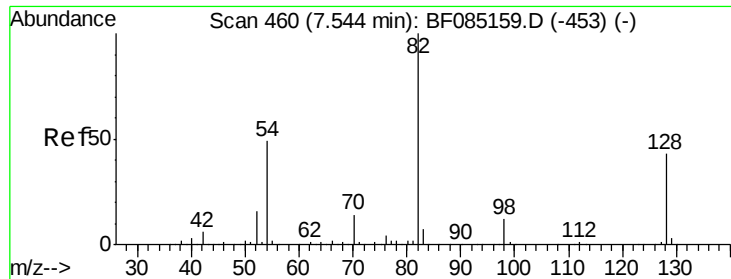
136 100

137 11.1 9.3 13.9

54 7.7 7.4 11.2

68 6.5 6.0 9.0





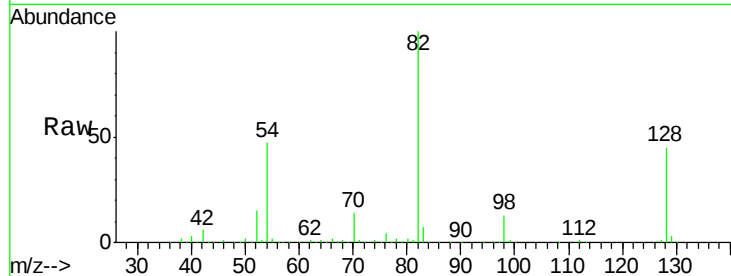
#23
Nitrobenzene-d5
Concen: 81.35 ng
RT: 7.53 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP(0.0-3.5)

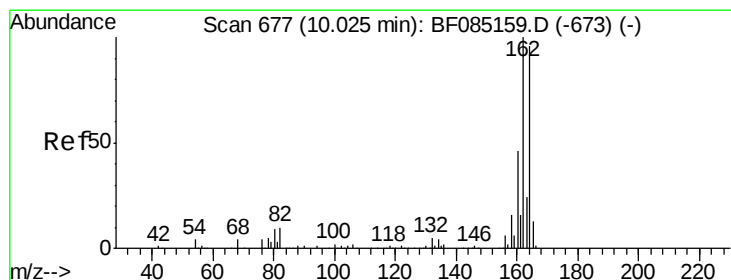
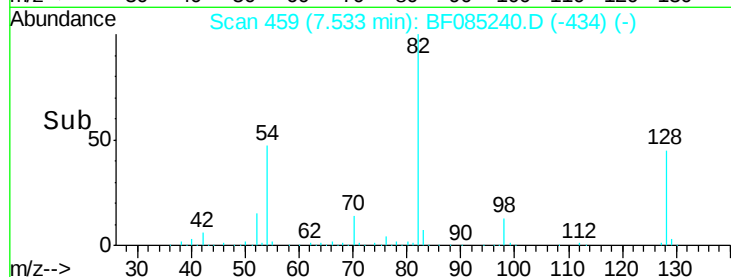
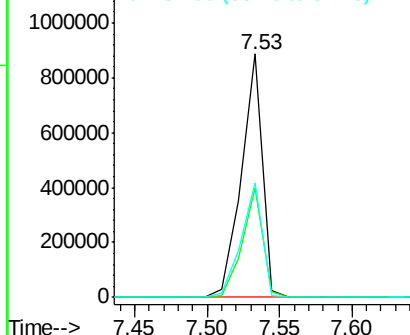
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	34.5	51.7	
54	46.9	39.3	58.9	

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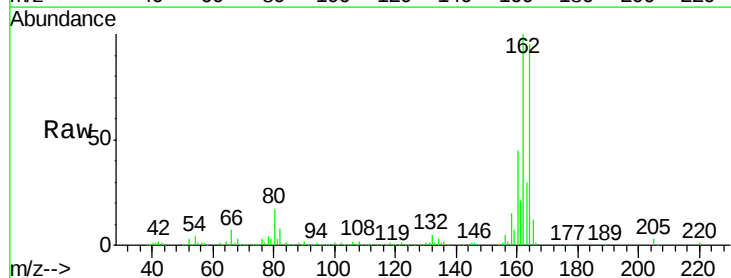


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

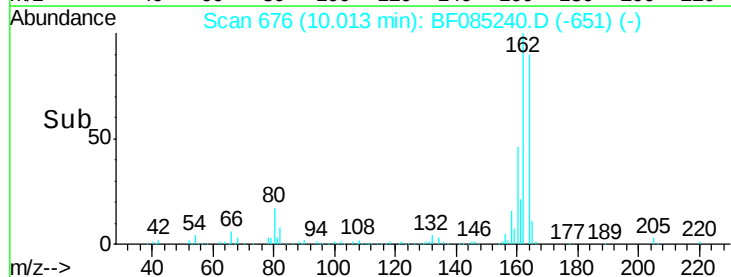
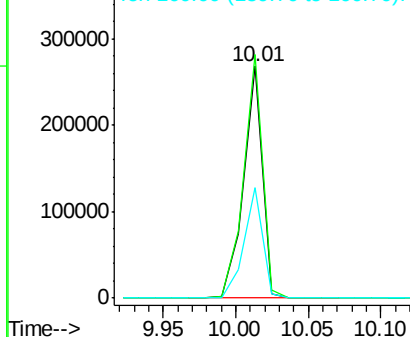


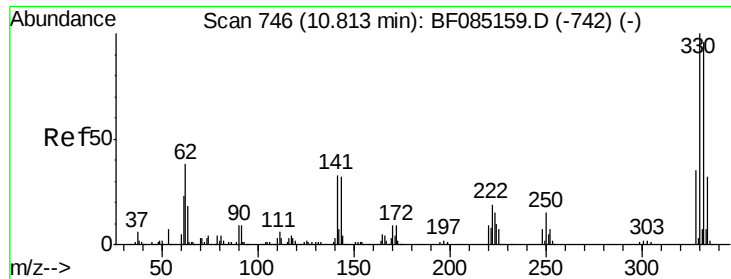
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Resp	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): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





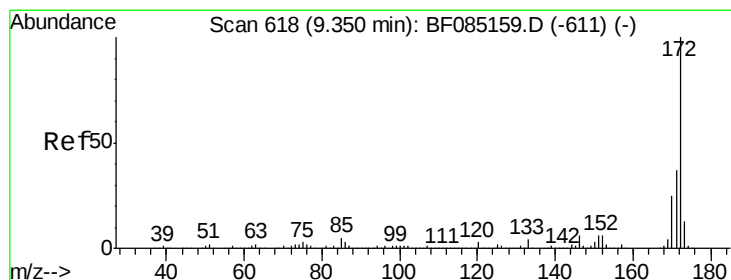
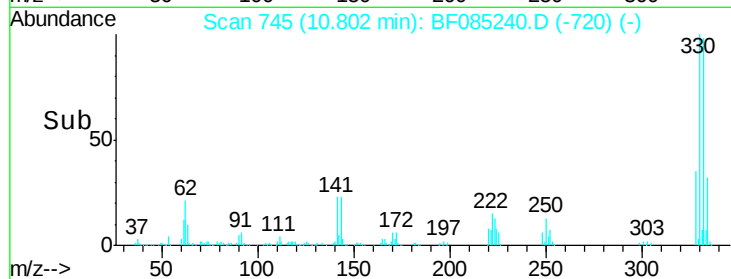
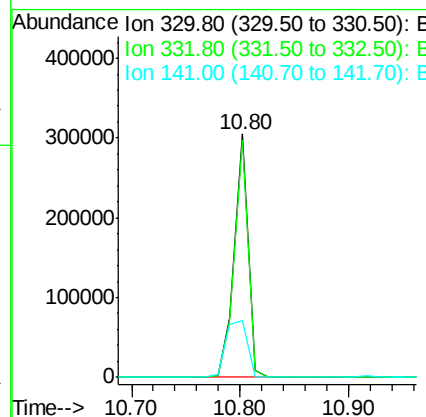
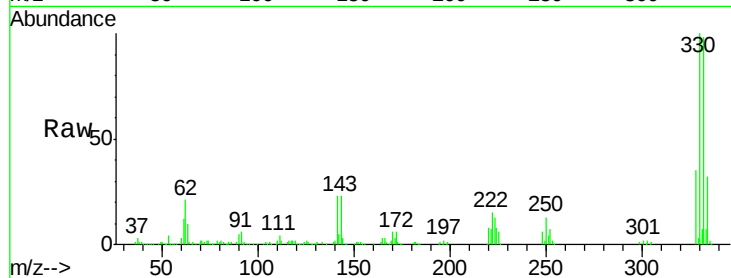
#41
 2,4,6-Tribromophenol
 Concen: 130.37 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085240.D
 Acq: 5 Mar 2016 8:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMP(0.0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	268519		
332	97.3		77.1	115.7
141	36.6		35.0	52.6

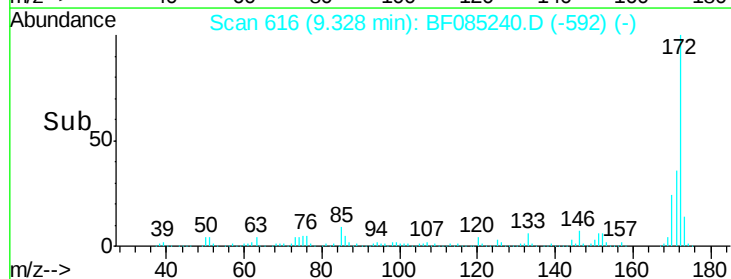
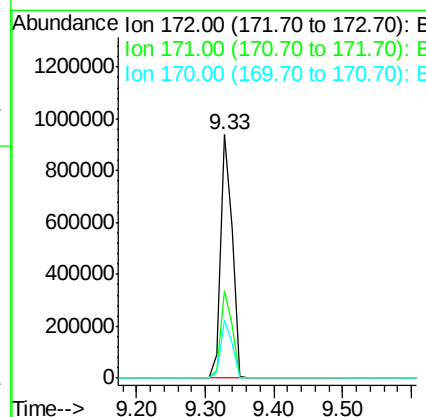
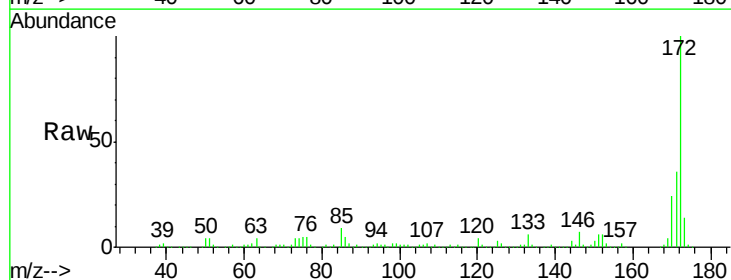
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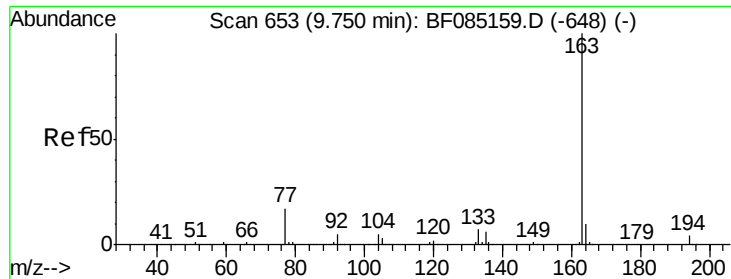
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#44
 2-Fluorobiphenyl
 Concen: 70.54 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085240.D
 Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1116544		
171	36.0		29.3	43.9
170	24.0		20.0	30.0





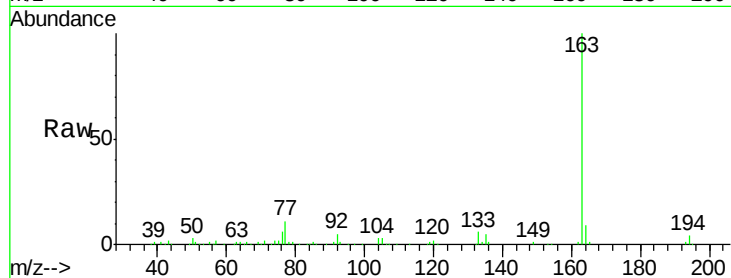
#49
Dimethylphthalate
Concen: 13.08 ng
RT: 9.73 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP(0.0-3.5)

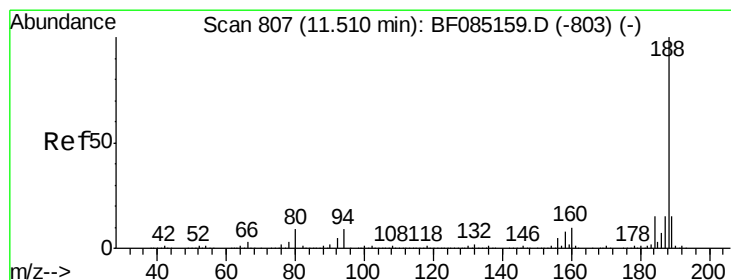
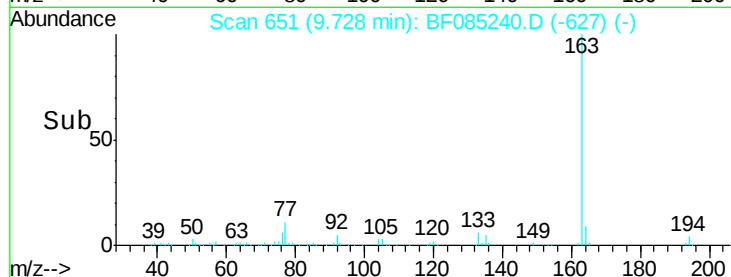
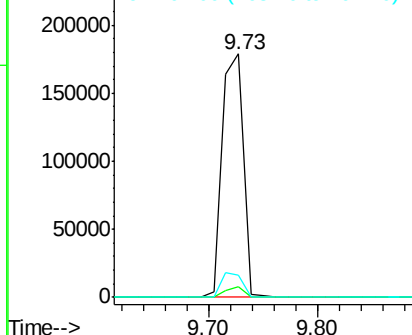
Tot Ion	Ratio	Resp	Lower	Upper
163	100	241673		
194	4.4		3.1	4.7
164	9.3		8.2	12.4

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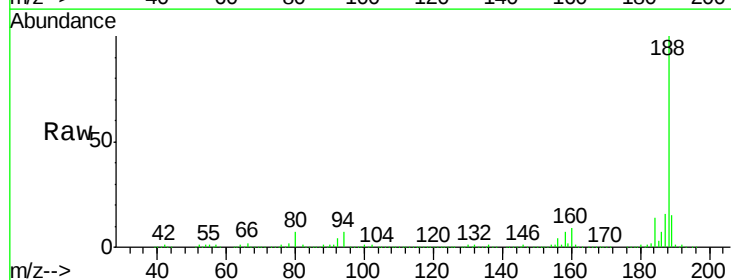


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

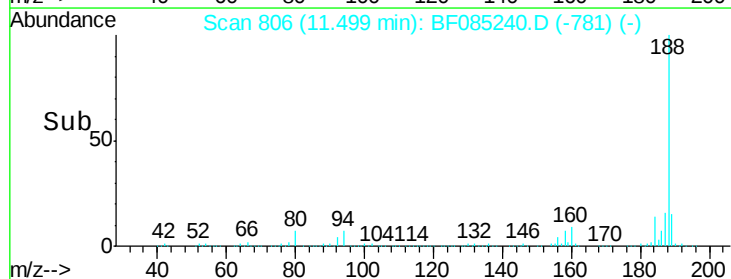
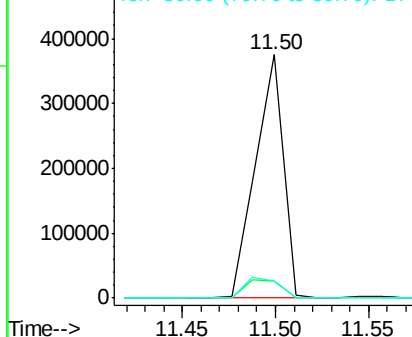


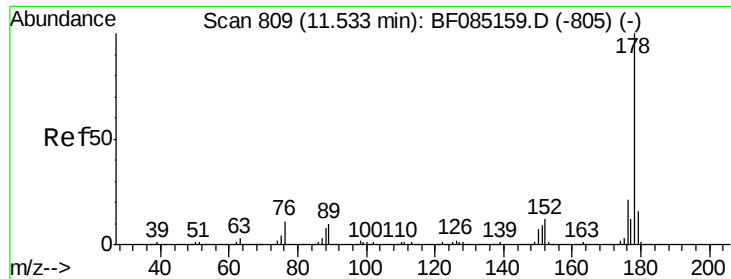
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	386357		
94	7.0		7.0	10.6#
80	6.9		7.4	11.0#



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





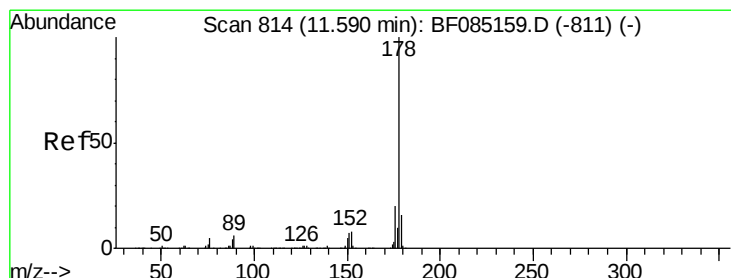
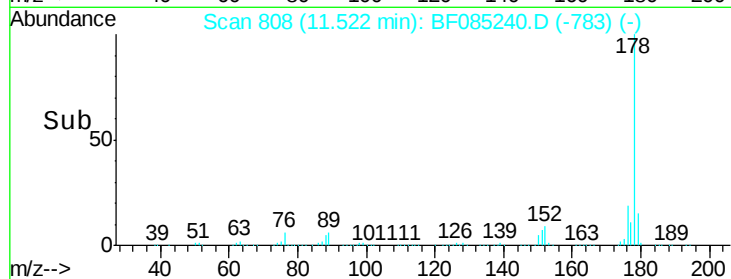
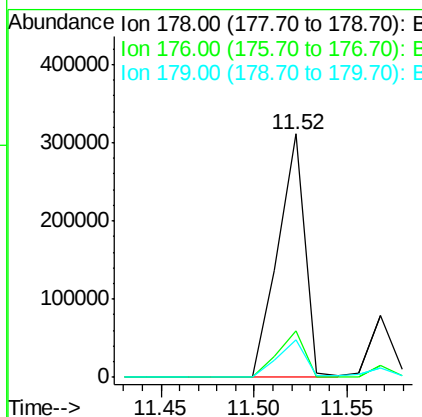
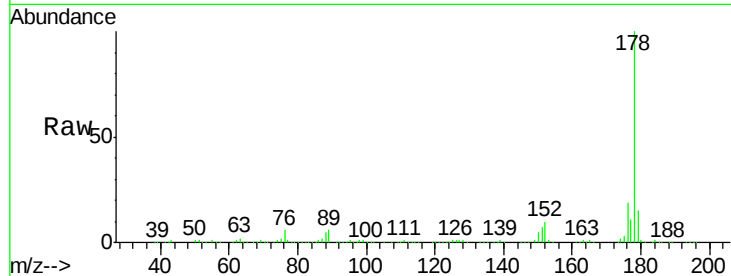
#70
Phenanthrene
Concen: 15.46 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP(0.0-3.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.8	25.2
179	15.2	13.1	19.7

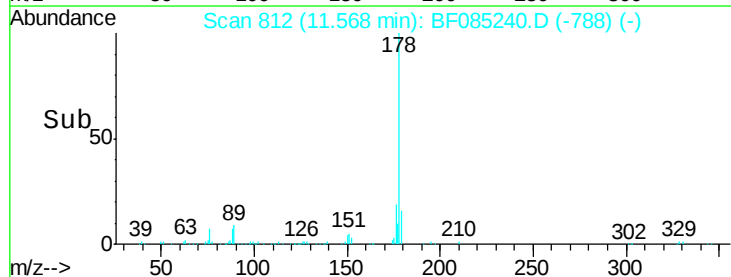
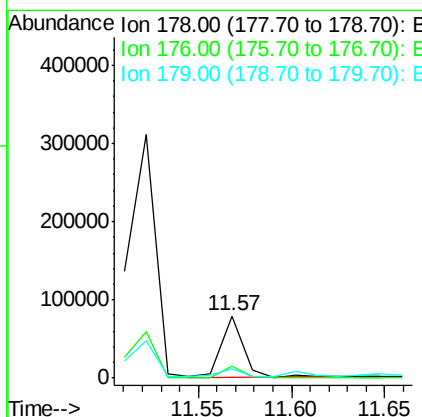
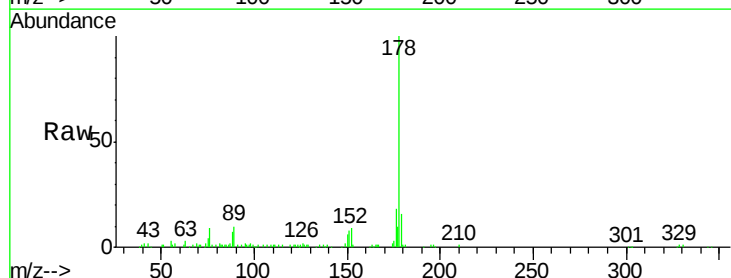
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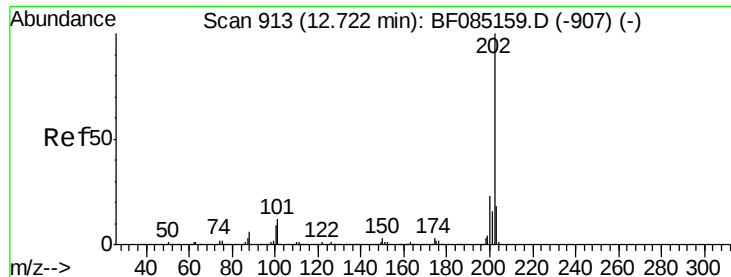
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#71
Anthracene
Concen: 3.06 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	16.1	12.5	18.7





#74

Fluoranthene

Concen: 18.31 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085240.D

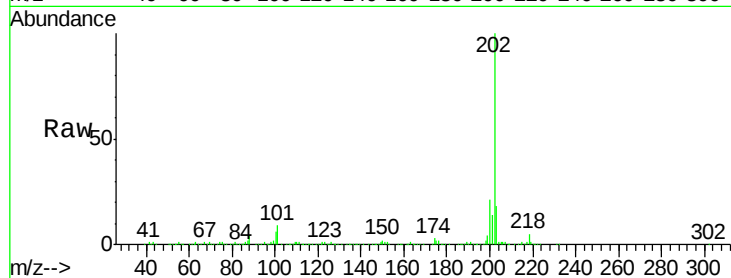
Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

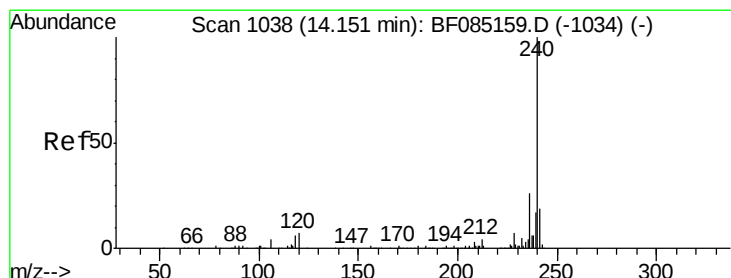
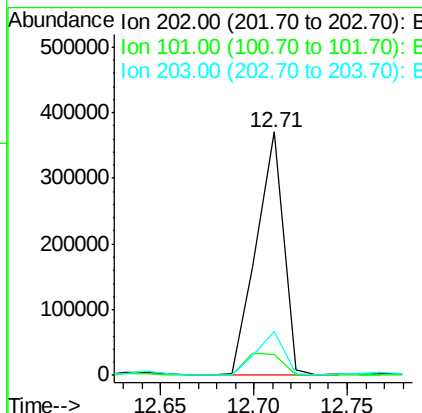
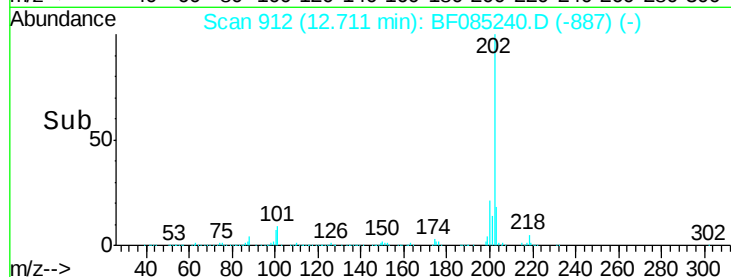
SB-26-COMP(0.0-3.5)



Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.6	0.0	31.8
203	17.8	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

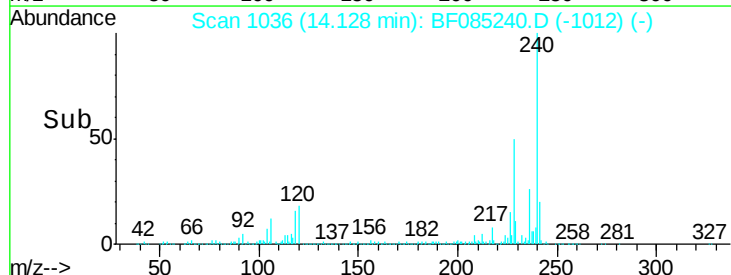
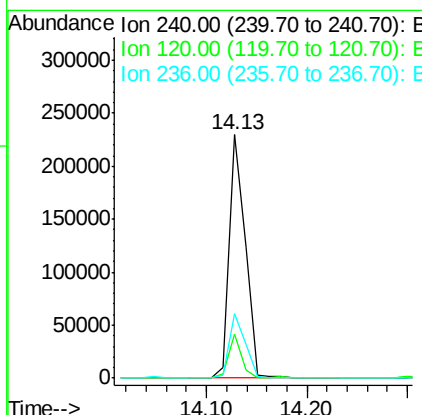
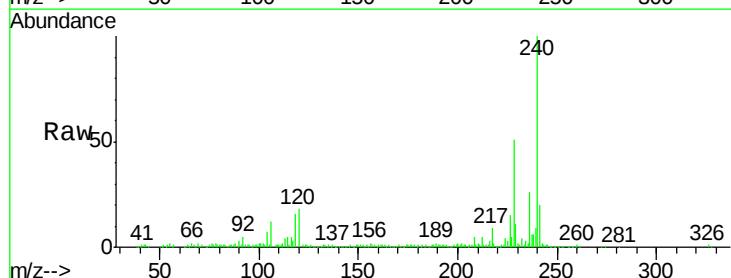
RT: 14.13 min Scan# 1036

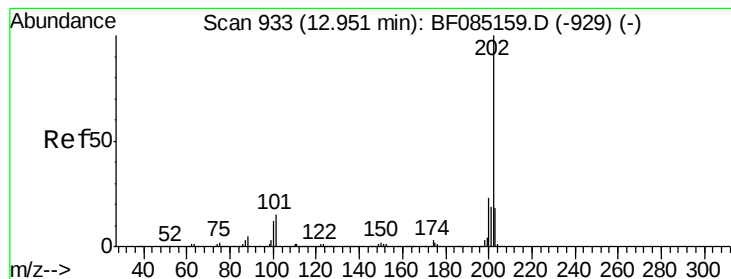
Delta R.T. -0.02 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	18.1	5.3	7.9#
236	26.4	20.7	31.1





#77

Pvrene

Concen: 22.37 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

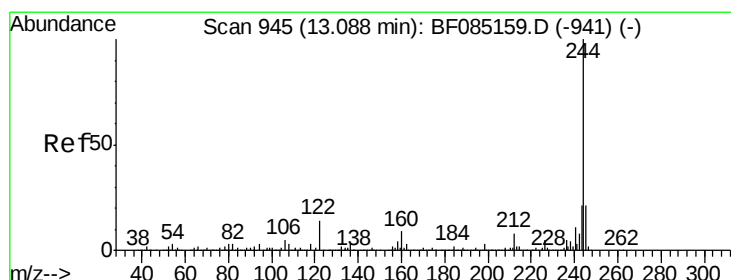
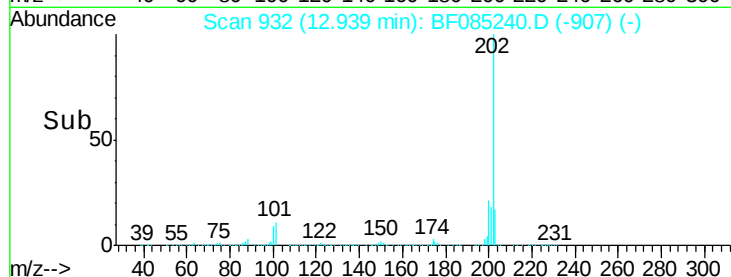
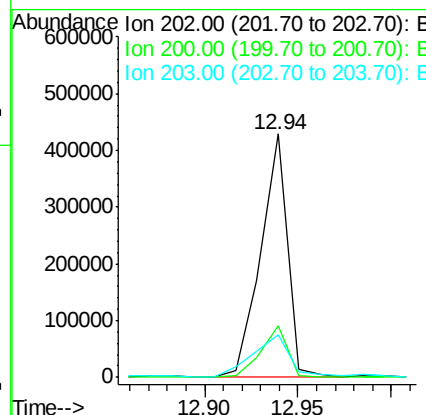
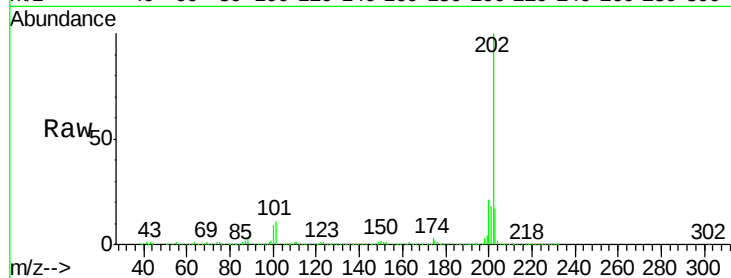
ClientSampleId :

SB-26-COMP(0.0-3.5)

Tot Ion:	202	Resp:	427211
Ion Ratio	Lower	Upper	
202	100		
200	21.3	18.2	27.4
203	17.5	14.7	22.1

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#78

Terphenyl-d14

Concen: 66.50 ng

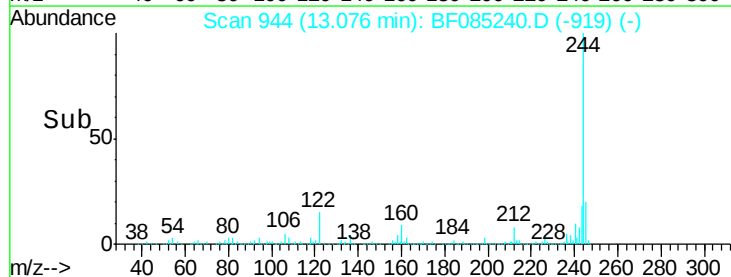
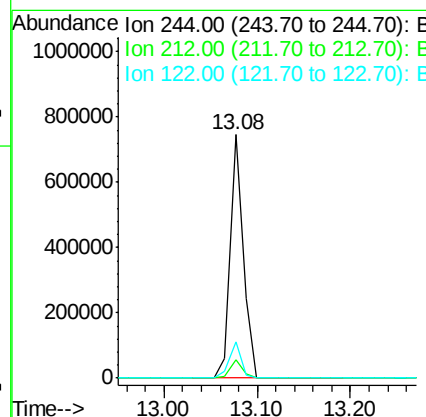
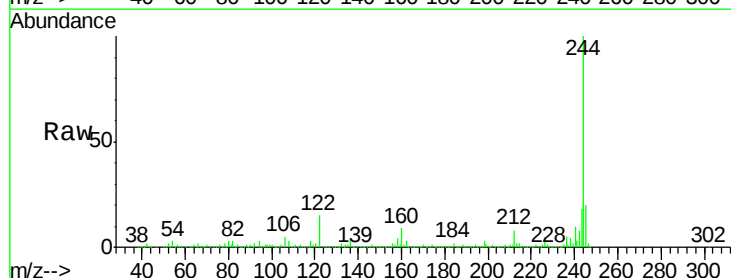
RT: 13.08 min Scan# 944

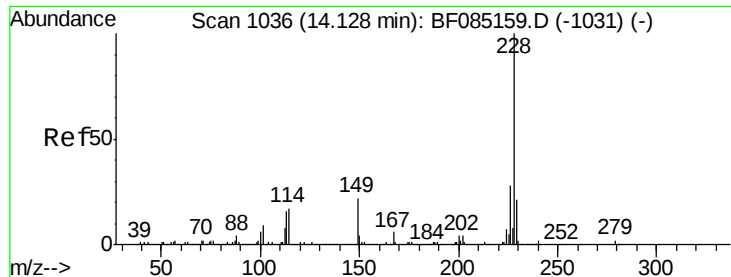
Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion:	244	Resp:	726758
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.4	9.6
122	15.1	11.4	17.2





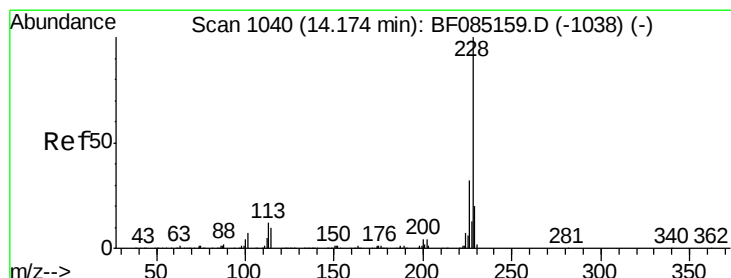
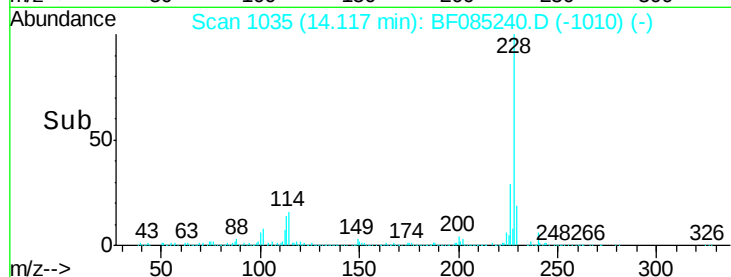
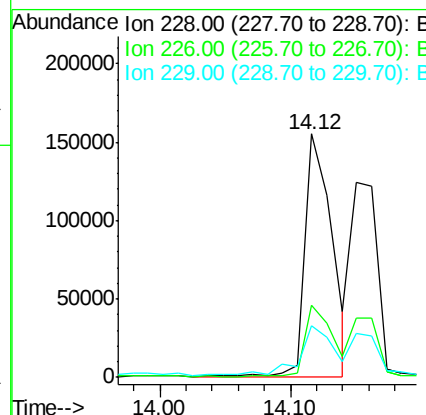
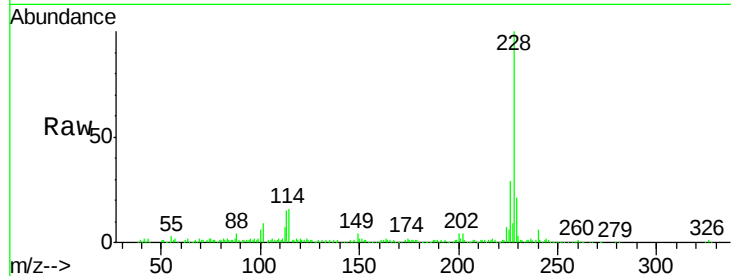
#80
Benzo(a)anthracene
Concen: 14.69 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP(0.0-3.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.8	34.2
229	21.1	16.6	24.8

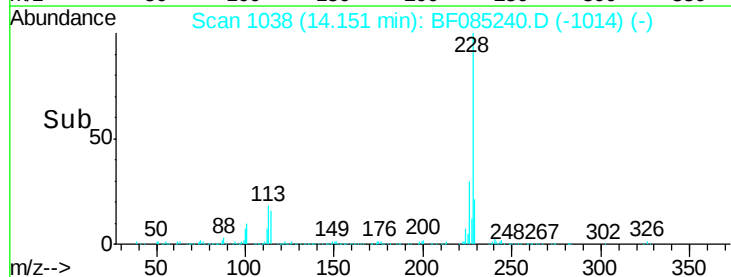
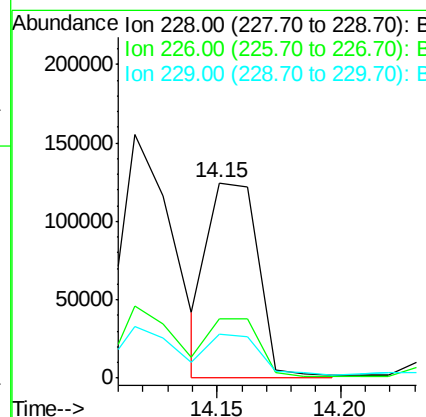
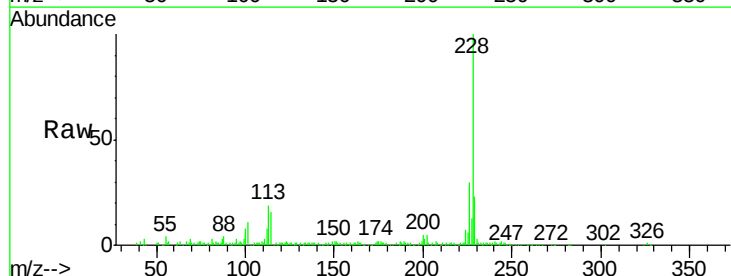
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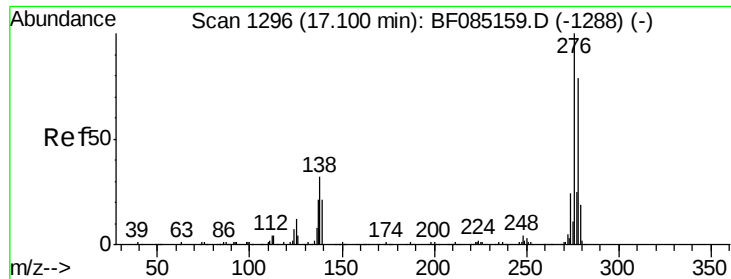
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#82
Chrysene
Concen: 12.50 ng m
RT: 14.15 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.2	37.8
229	22.6	16.0	24.0





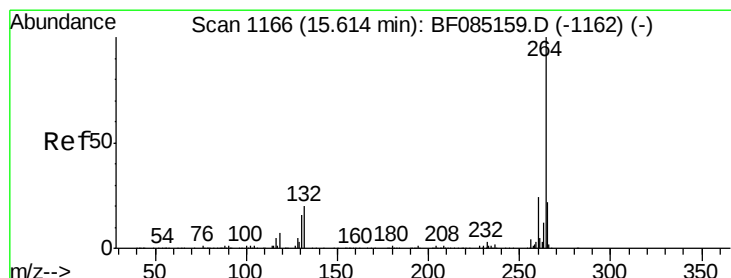
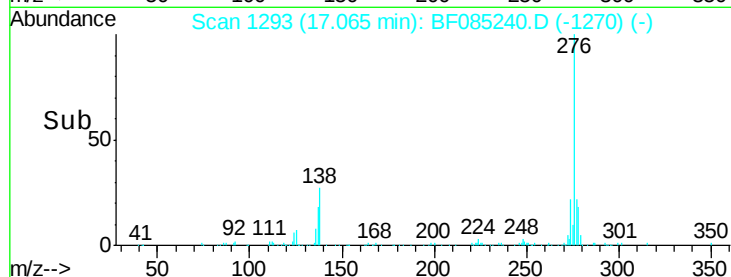
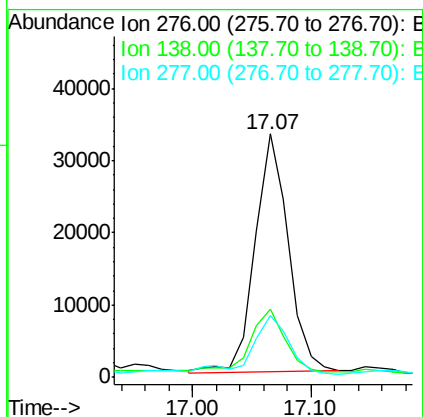
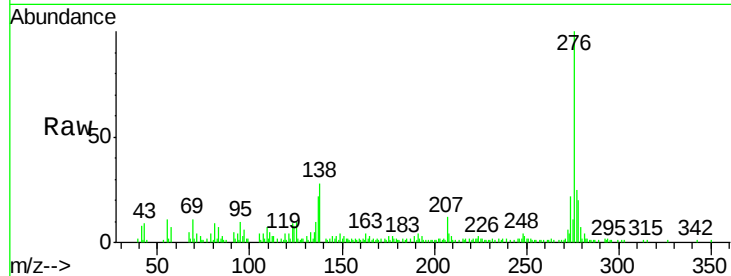
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.86 ng
RT: 17.07 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP(0.0-3.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	26.4	39.6
277	30.3	20.2	30.2#

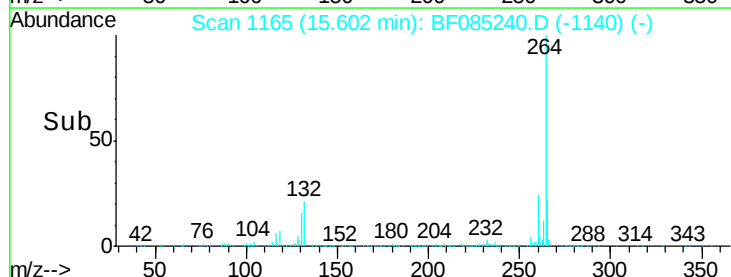
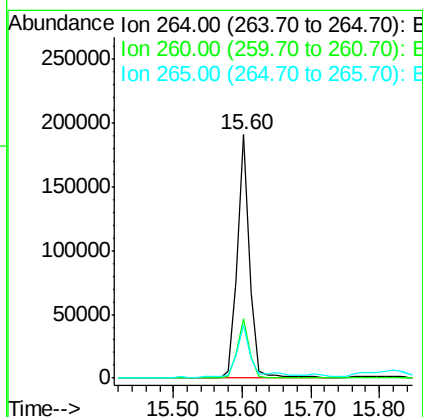
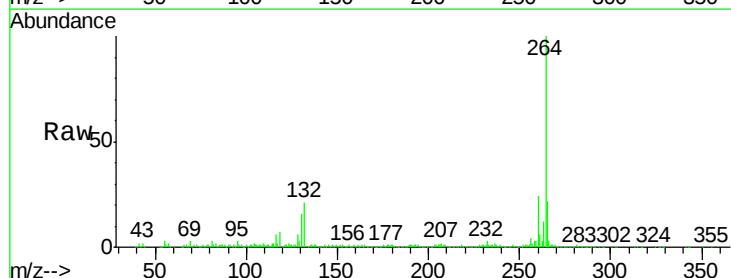
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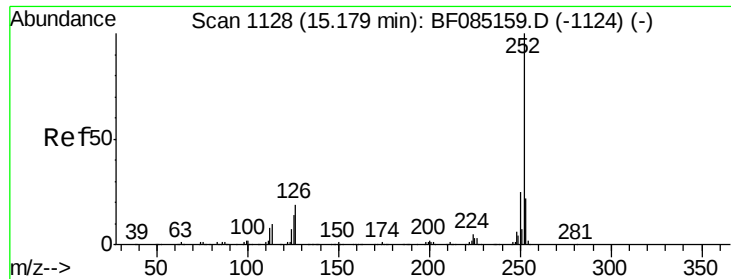
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 12.03 ng m

RT: 15.17 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

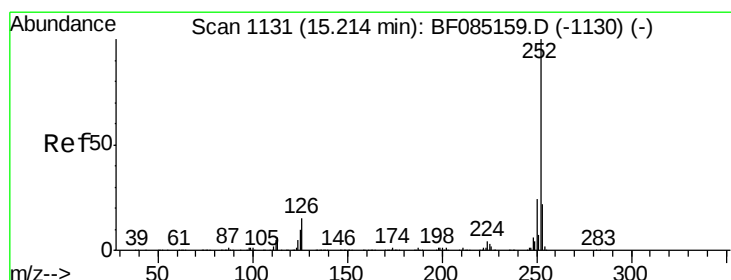
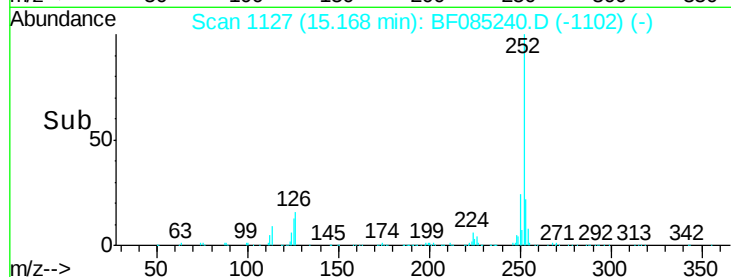
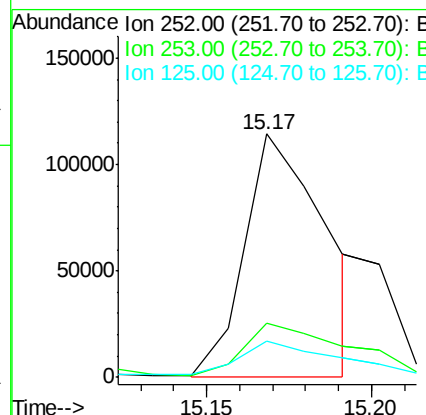
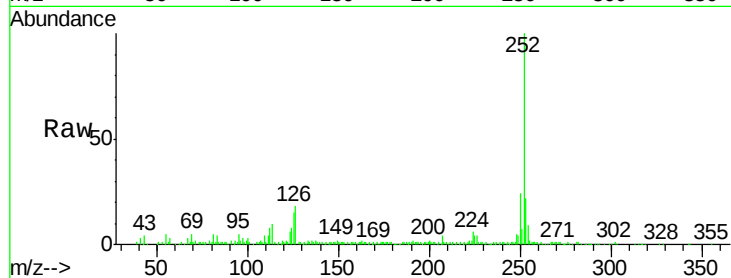
ClientSampleId :

SB-26-COMP(0.0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	195762		
253	22.1	17.8	26.6	
125	14.9	11.3	16.9	

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#88

Benzo(k)fluoranthene

Concen: 3.25 ng m

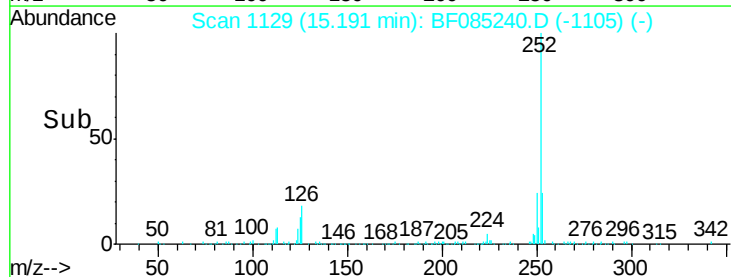
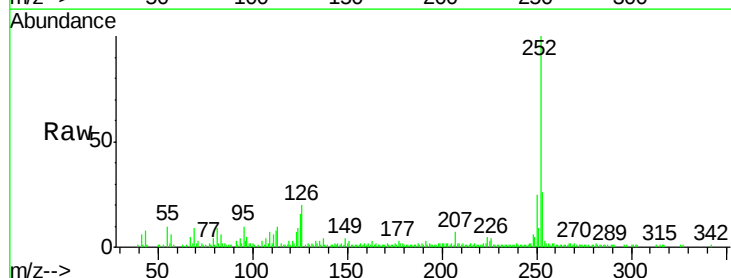
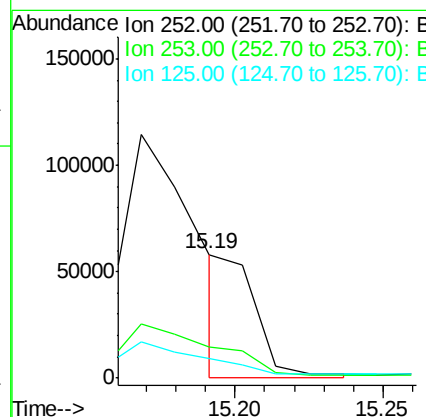
RT: 15.19 min Scan# 1129

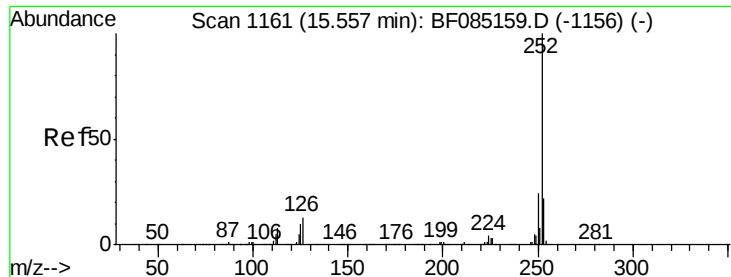
Delta R.T. -0.02 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	42682		
253	25.6	17.8	26.6	
125	15.5	10.4	15.6	





#89

Benzo(a)pyrene

Concen: 9.68 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

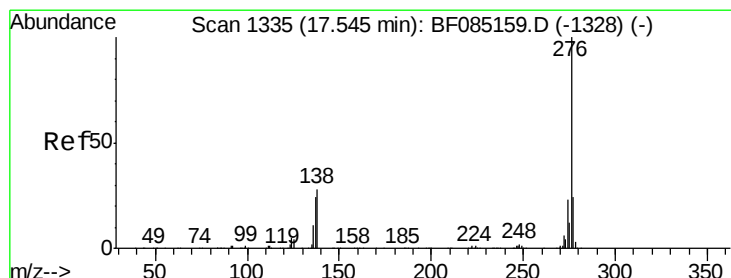
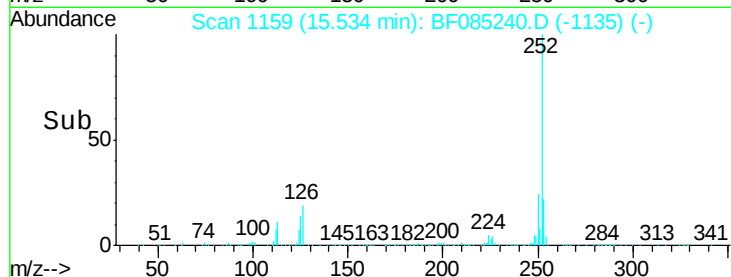
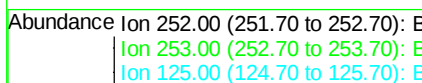
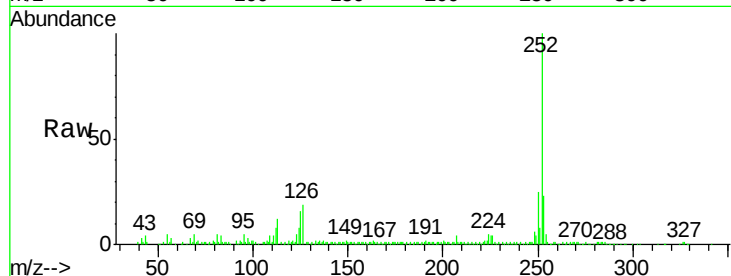
ClientSampleId :

SB-26-COMP(0.0-3.5)

Tot Ion:	252	Resp:	130539
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	16.0	8.2	12.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.41 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion:	276	Resp:	62605
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	28.9	22.5	33.7

