

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085290.D
 Acq On : 9 Mar 2016 7:26
 Operator : UM/SJ
 Sample : H1712-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMP-0.5-3.0

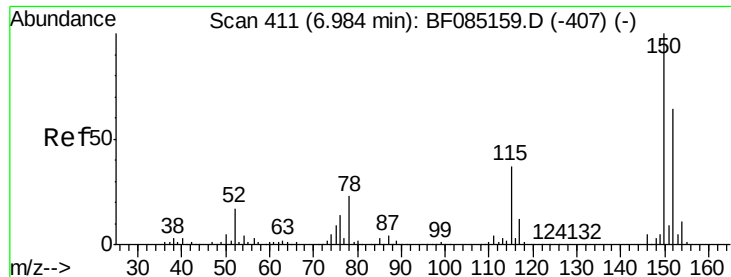
Manual Integrations
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Quant Time: Mar 09 08:09:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	161758	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	560560	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	262286	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	437902	20.00	ng	-0.02
75) Chrysene-d12	14.13	240	292990	20.00	ng	-0.02
86) Perylene-d12	15.59	264	290928	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1450194	150.38	ng	0.00
7) Phenol-d6	6.58	99	1835381	145.27	ng	-0.02
23) Nitrobenzene-d5	7.52	82	1021672	97.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	309717	138.00	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1525444	88.45	ng	-0.02
78) Terphenyl-d14	13.08	244	965938	76.53	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.72	163	332614	16.52	ng	99
70) Phenanthrene	11.51	178	272329	11.87	ng	97
71) Anthracene	11.56	178	65456	2.69	ng	98
74) Fluoranthene	12.70	202	590558	25.64	ng	99
77) Pyrene	12.93	202	530325	24.05	ng	98
80) Benzo(a)anthracene	14.15	228	246717	14.07	ng	96
82) Chrysene	14.15	228	246717	15.23	ng	98
85) Indeno(1,2,3-cd)pyrene	17.05	276	143933	11.38	ng	# 93
87) Benzo(b)fluoranthene	15.17	252	371505m	19.16	ng	
88) Benzo(k)fluoranthene	15.19	252	101331m	6.48	ng	
89) Benzo(a)pyrene	15.52	252	243048	15.13	ng	# 91
90) Dibenzo(a,h)anthracene	17.07	278	31503	2.30	ng	94
91) Benzo(g,h,i)perylene	17.50	276	127843	9.27	ng	95

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



#1

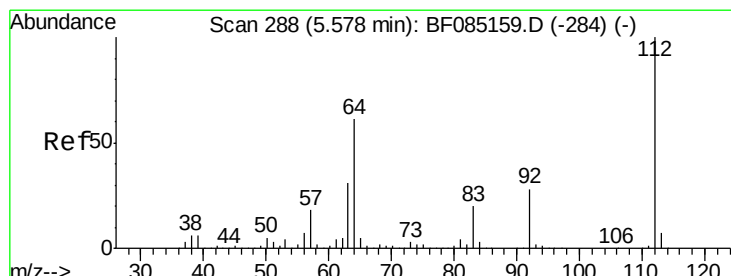
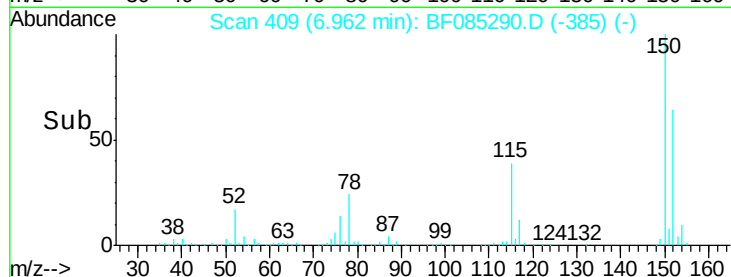
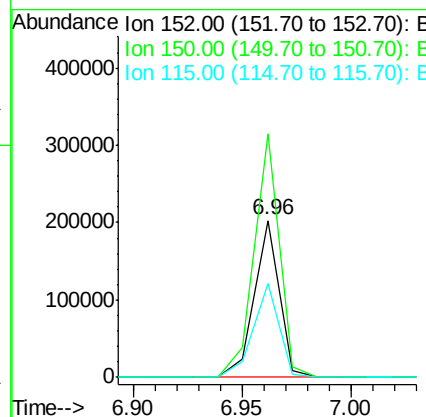
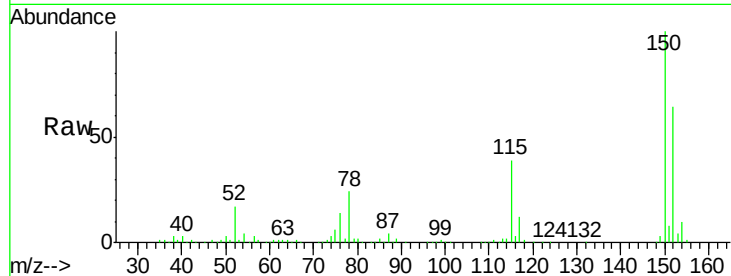
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 409
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	161758		
150	155.3	124.6	186.8	
115	60.1	46.6	70.0	

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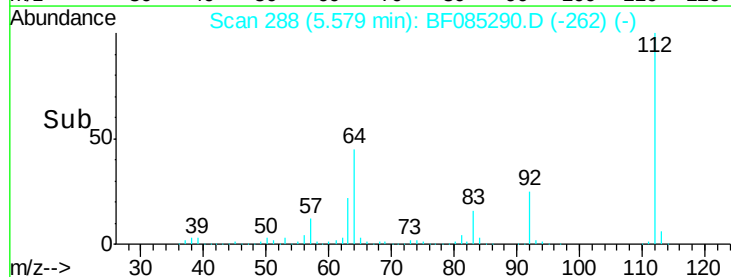
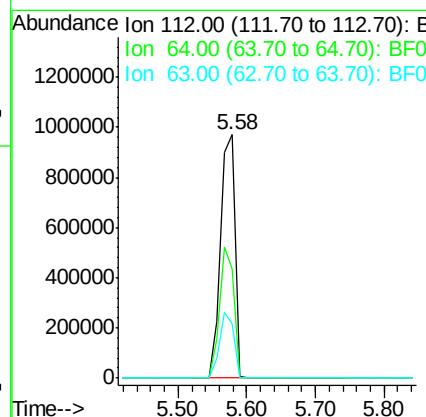
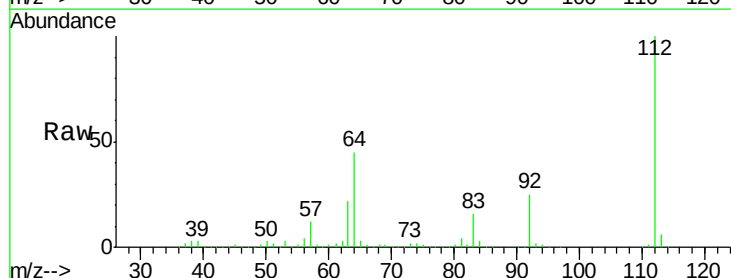
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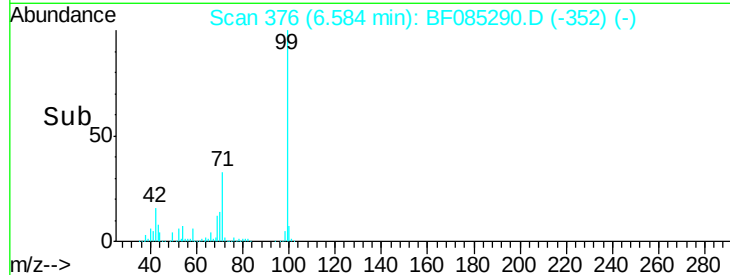
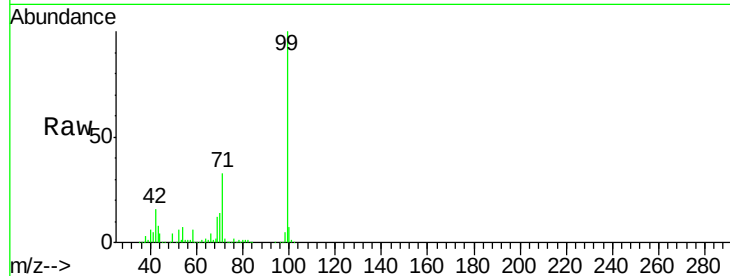
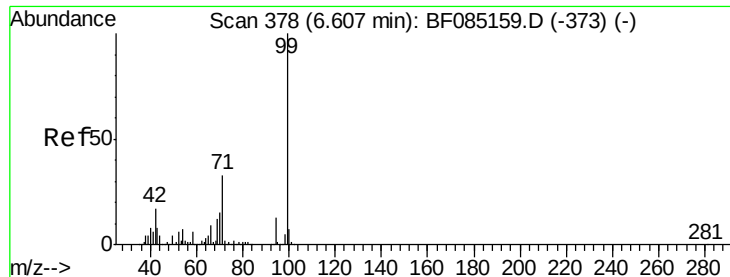


#5

2-Fluorophenol
Concen: 150.38 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1450194		
64	44.8	49.0	73.4#	
63	22.5	24.8	37.2#	





#7

Phenol-d6

Concen: 145.27 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion: 99 Resp: 1835381

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

71 33.0 26.7 40.1

Instrument :

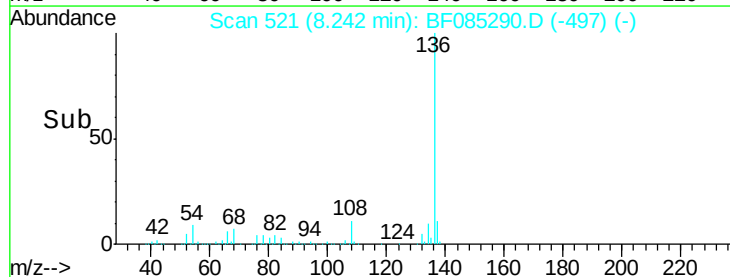
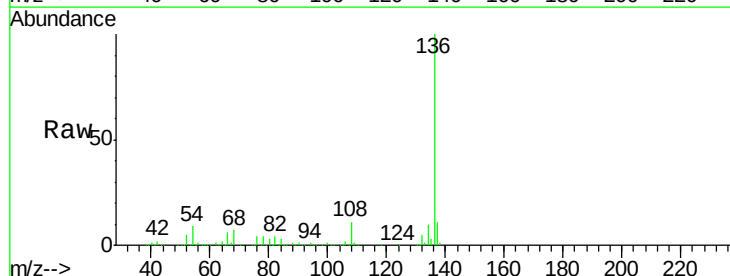
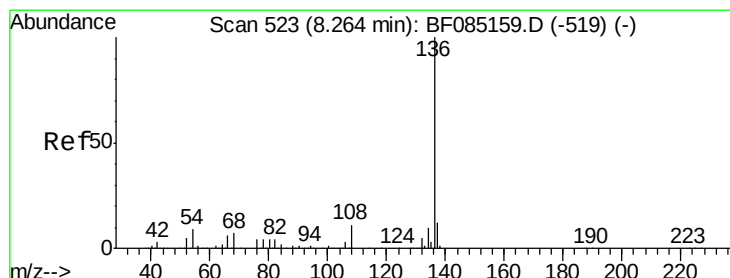
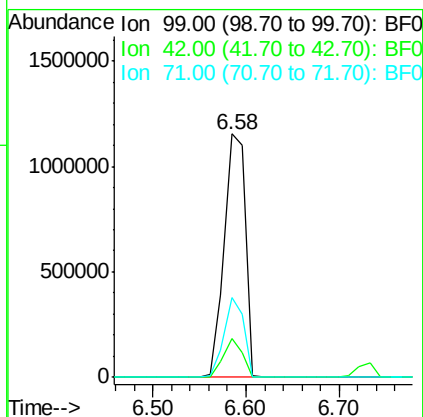
BNA_F

ClientSampleId :

SB-31-COMP-0.5-3.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion: 136 Resp: 560560

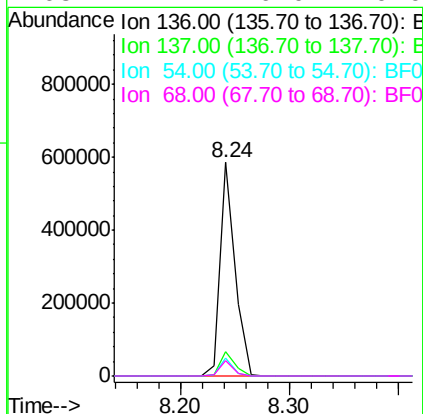
Ion Ratio Lower Upper

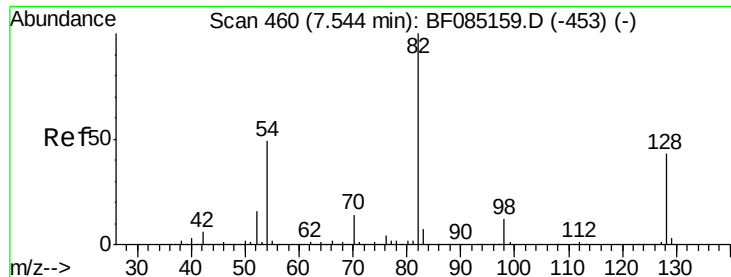
136 100

137 11.3 9.3 13.9

54 8.7 7.4 11.2

68 7.2 6.0 9.0





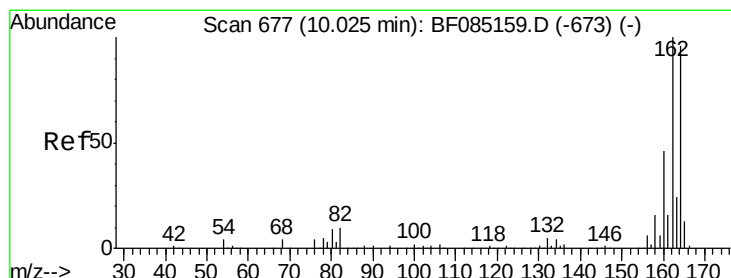
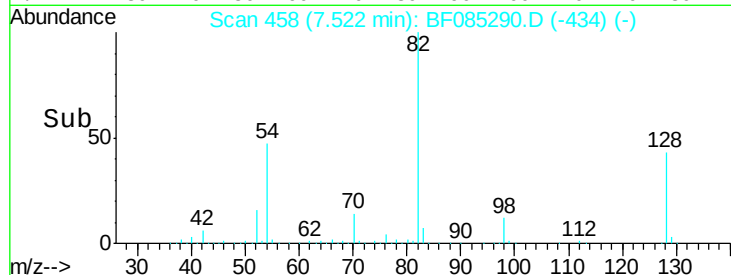
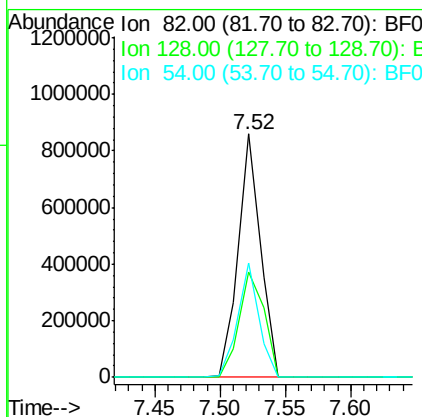
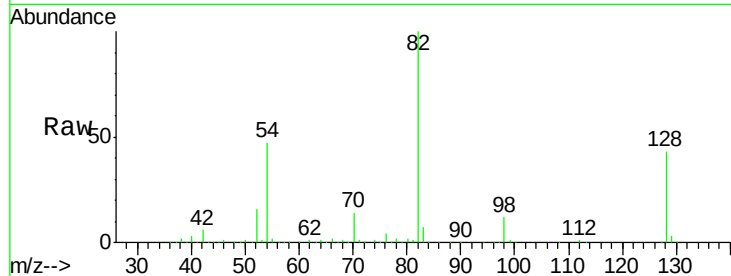
#23
Nitrobenzene-d5
Concen: 97.53 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Instrument :
BNA_F
ClientSampleId :
SB-31-COMP-0.5-3.0

Tgt Ion: 82 Resp: 1021672
Ion Ratio Lower Upper
82 100
128 43.5 34.5 51.7
54 47.1 39.3 58.9

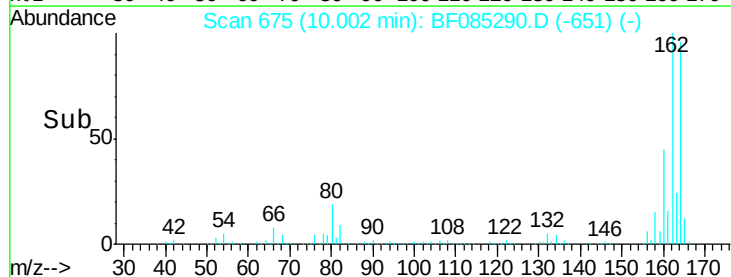
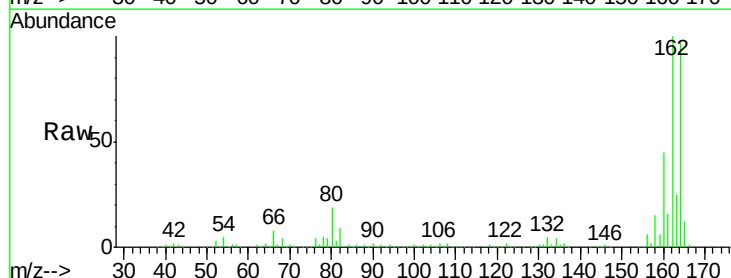
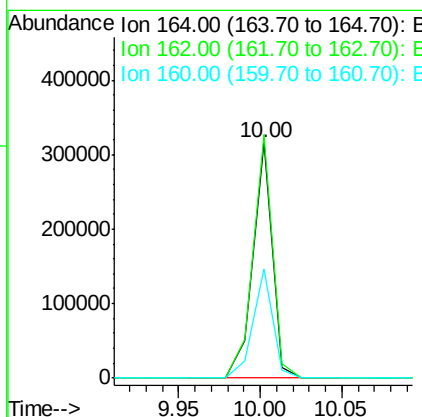
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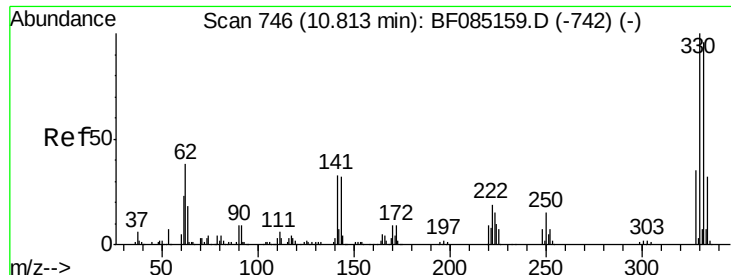
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

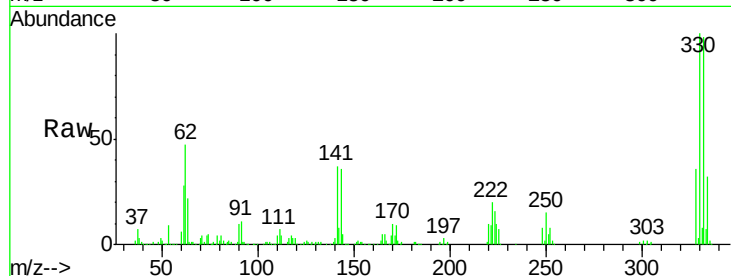
Tgt Ion: 164 Resp: 262286
Ion Ratio Lower Upper
164 100
162 103.4 83.3 124.9
160 46.6 37.9 56.9





#41
 2,4,6-Tribromophenol
 Concen: 138.00 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

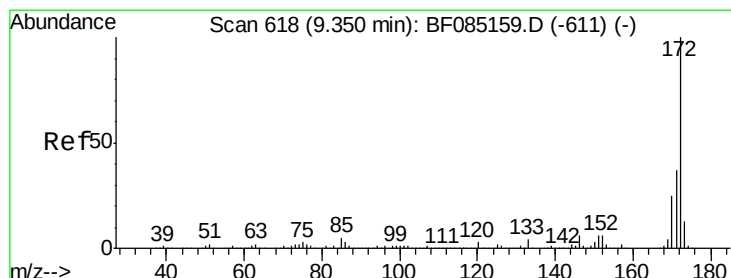
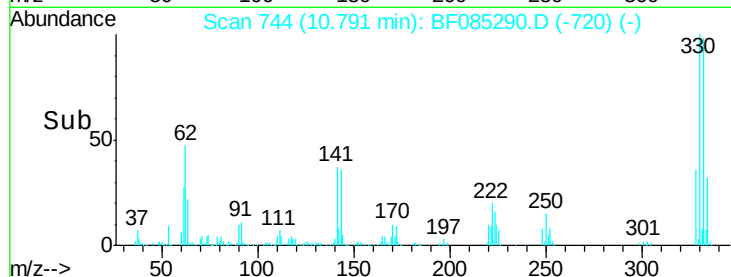
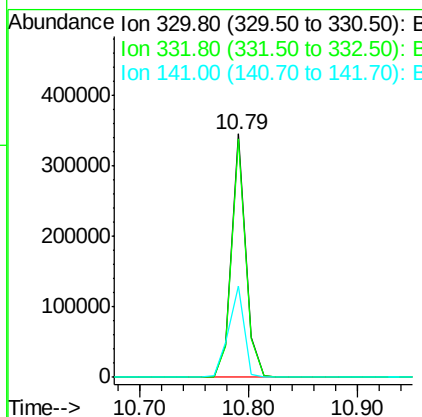
Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMP-0.5-3.0



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	309717		
332	97.5	77.1	115.7	
141	42.2	35.0	52.6	

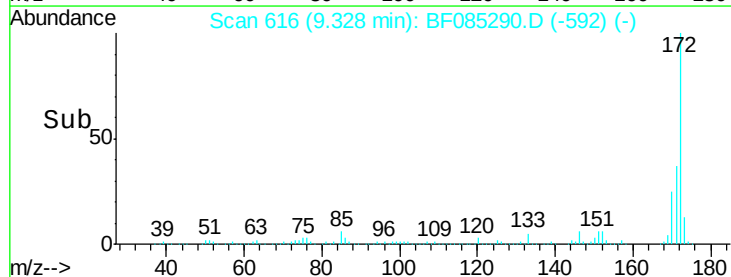
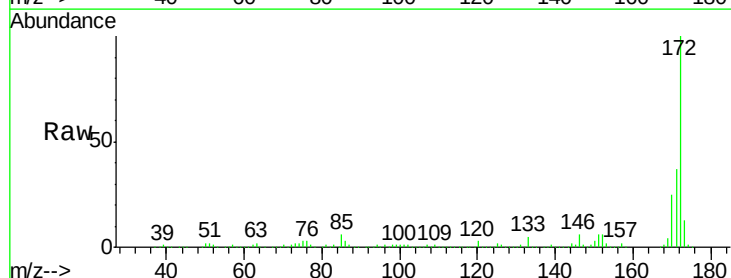
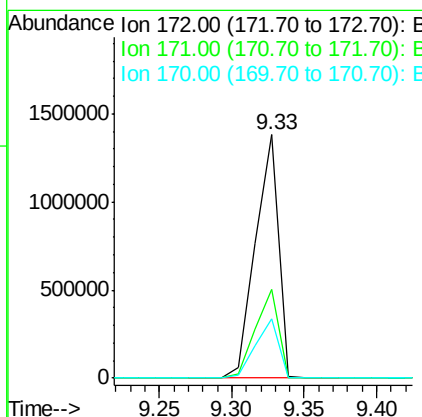
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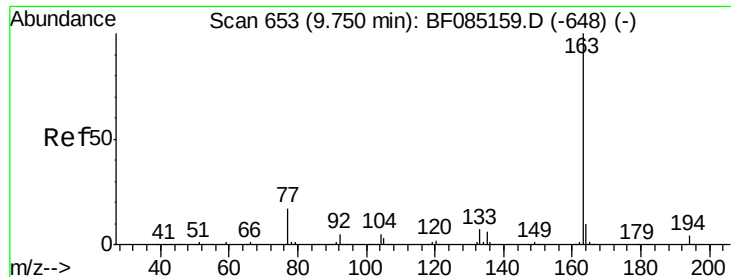
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#44
 2-Fluorobiphenyl
 Concen: 88.45 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1525444		
171	36.7	29.3	43.9	
170	24.6	20.0	30.0	





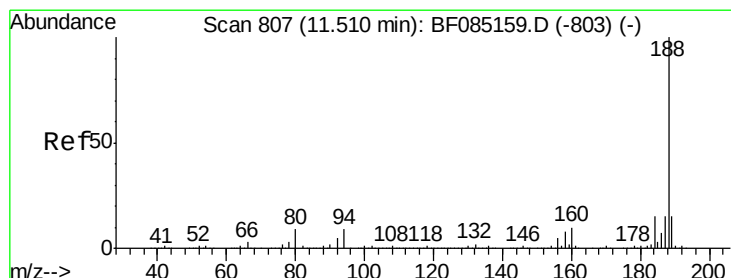
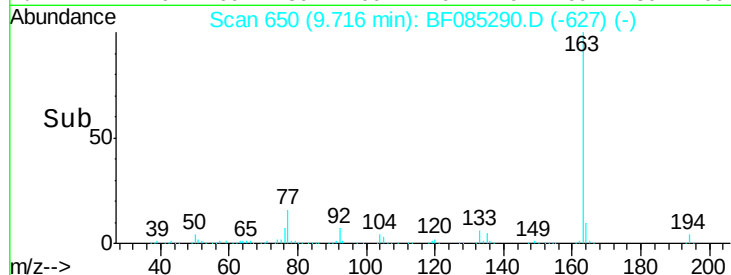
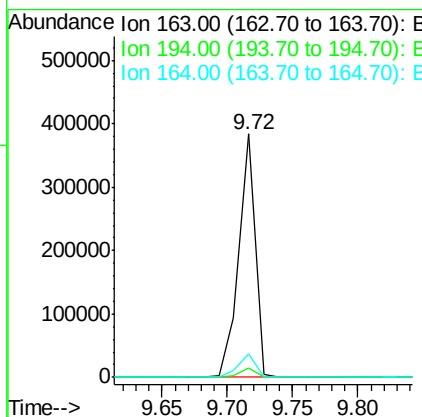
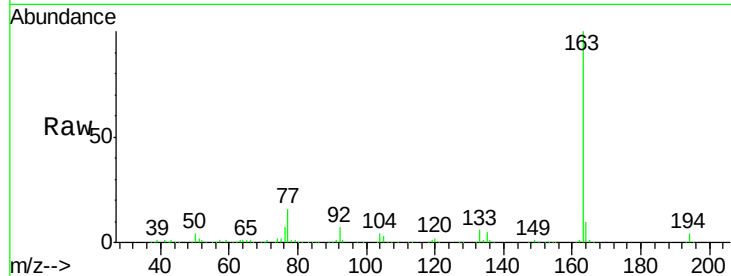
#49
Dimethylphthalate
Concen: 16.52 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	332614		
194	3.8	4.7	3.1	4.7
164	9.6	12.4	8.2	12.4

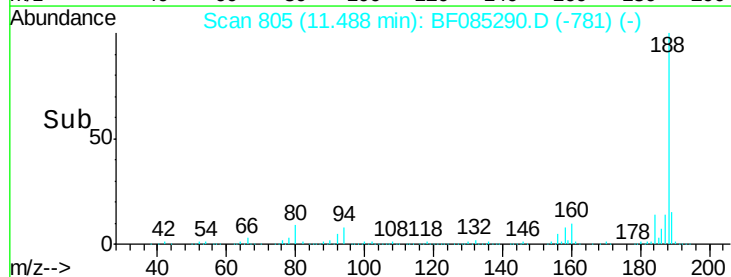
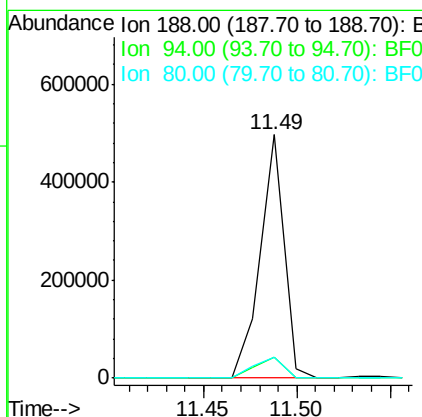
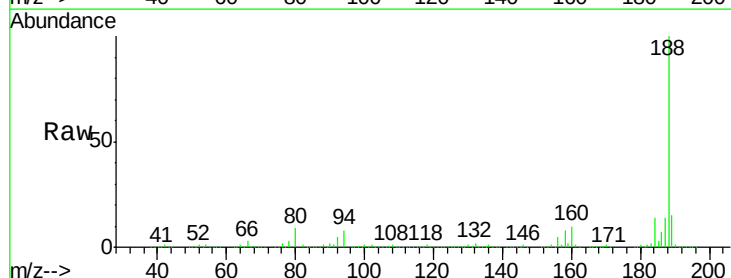
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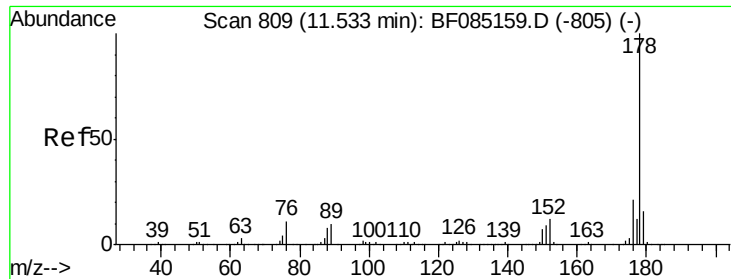
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	437902		
94	8.5	10.6	7.0	10.6
80	8.8	11.0	7.4	11.0





#70

Phenanthrene

Concen: 11.87 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF085290.D

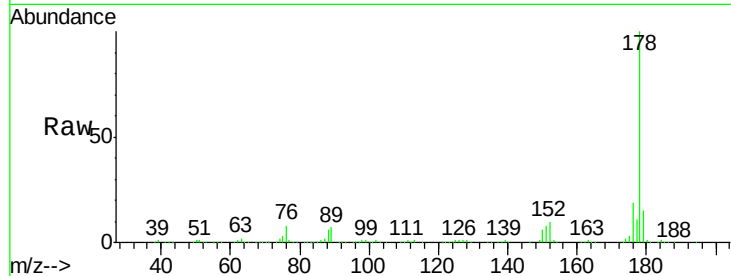
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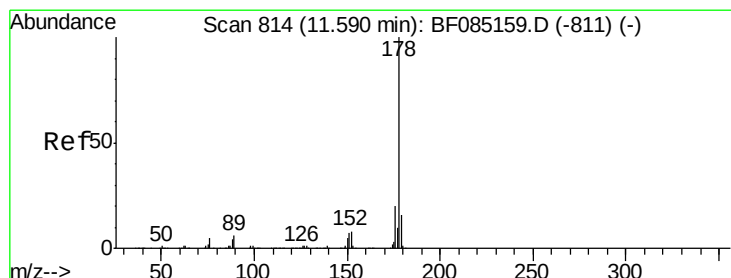
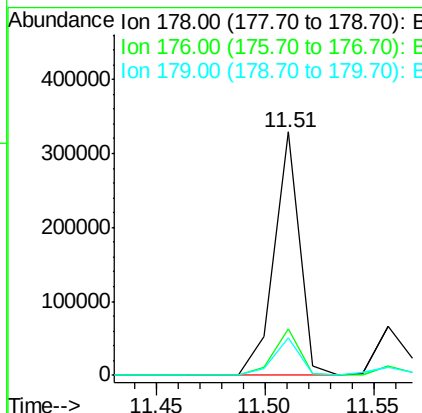
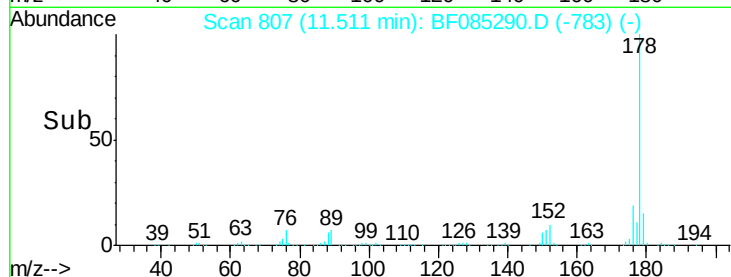
SB-31-COMP-0.5-3.0



Tgt Ion:	178	Resp:	272329
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.8	25.2
179	15.4	13.1	19.7

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#71

Anthracene

Concen: 2.69 ng

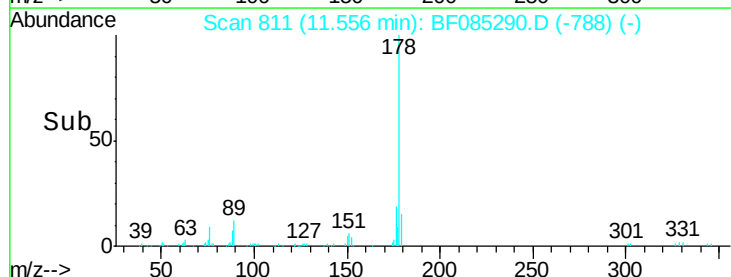
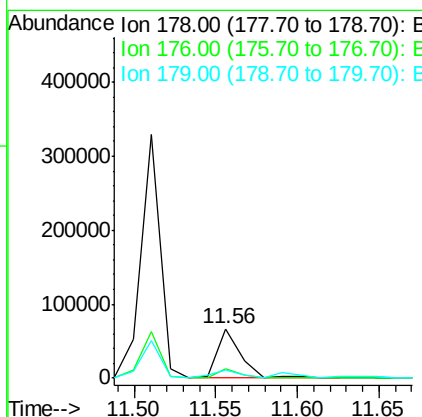
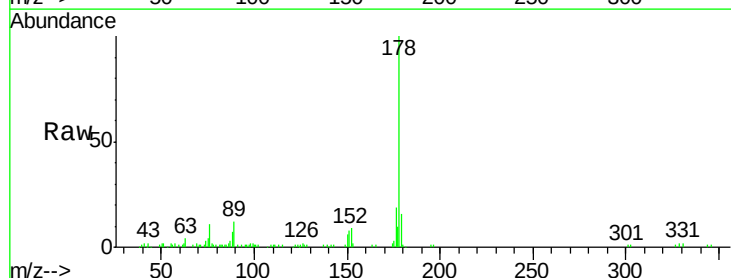
RT: 11.56 min Scan# 811

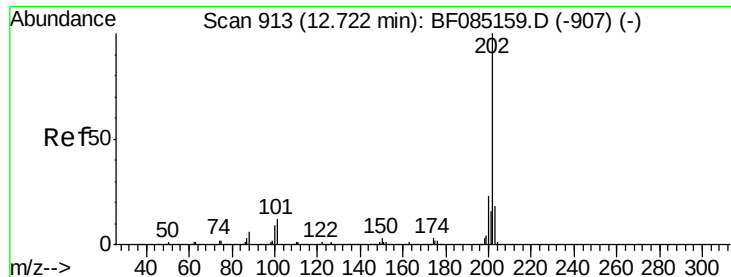
Delta R.T. -0.03 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion:	178	Resp:	65456
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.9	23.9
179	15.9	12.5	18.7





#74

Fluoranthene

Concen: 25.64 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF085290.D

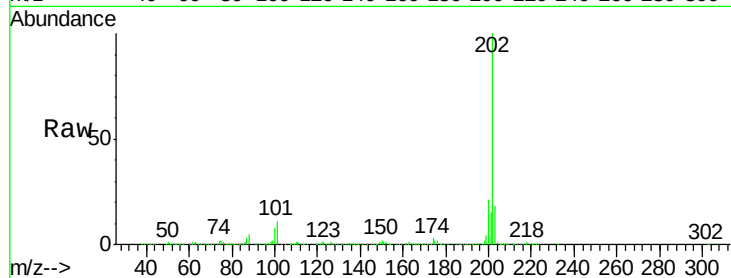
Acq: 9 Mar 2016 7:26

Instrument :

BNA_F

ClientSampleId :

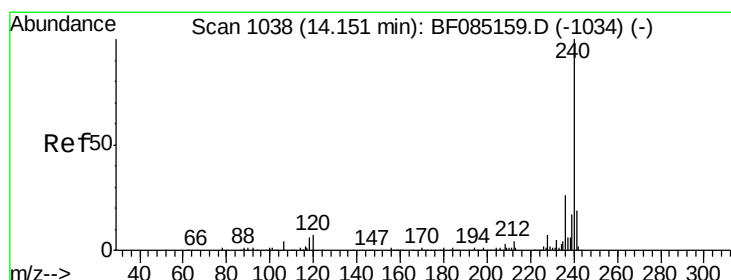
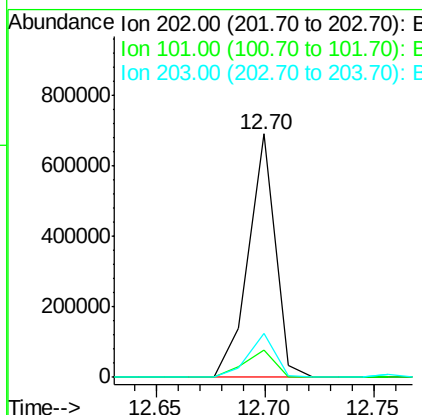
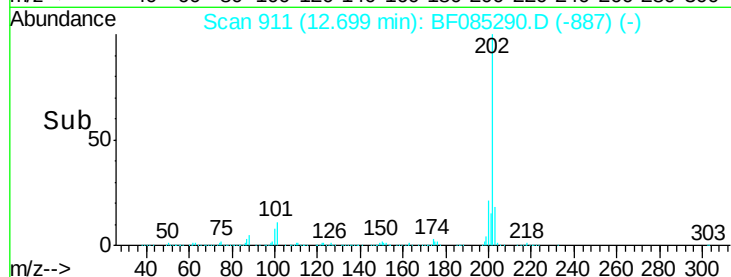
SB-31-COMP-0.5-3.0



Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	31.8
203	18.0	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

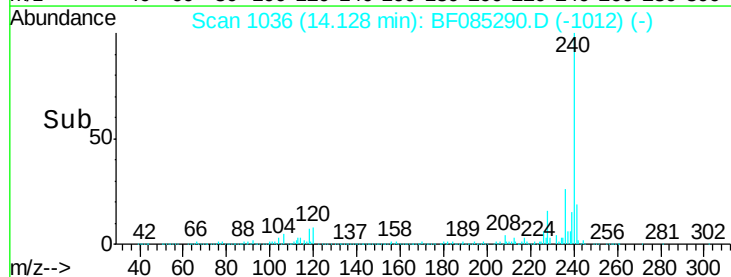
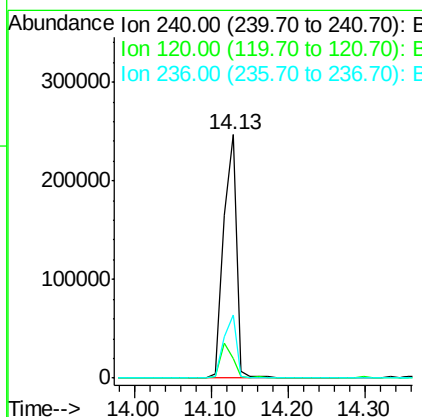
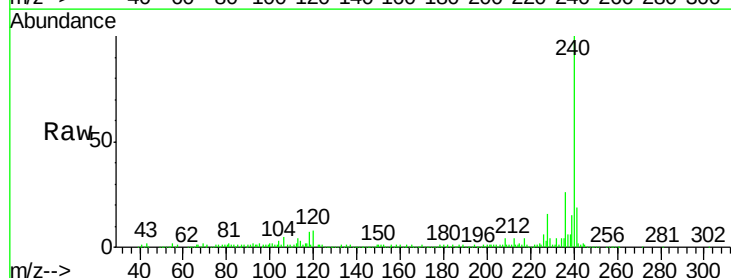
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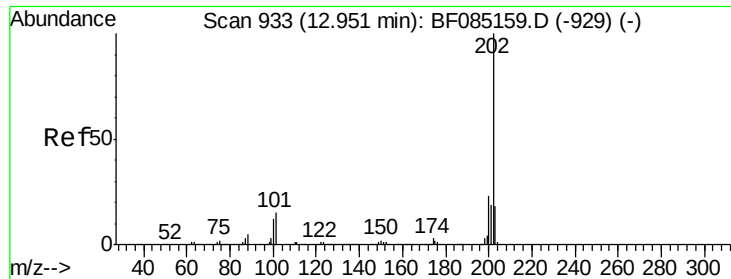
Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.2	5.3	7.9#
236	26.0	20.7	31.1





#77

Pyrene

Concen: 24.05 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF085290.D

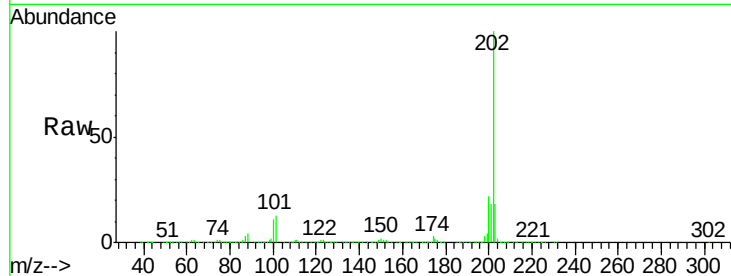
Acq: 9 Mar 2016 7:26

Instrument :

BNA_F

ClientSampleId :

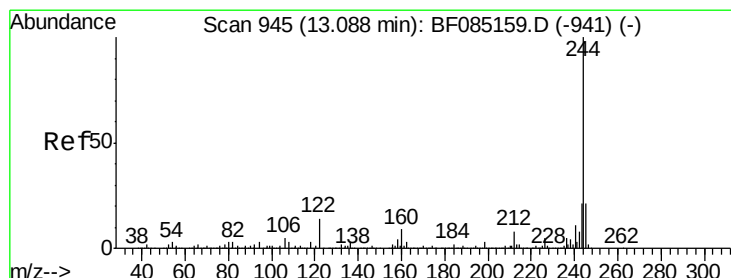
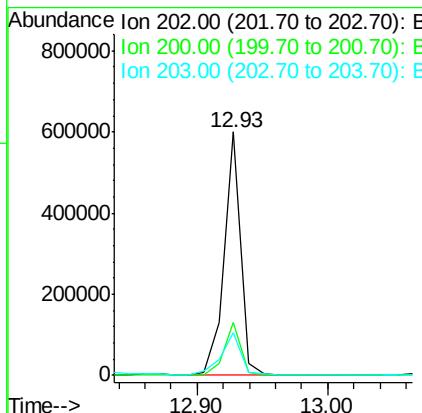
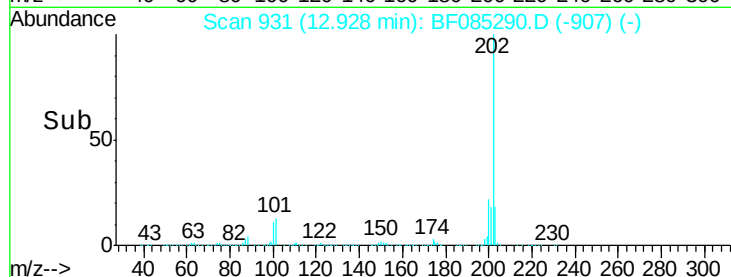
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	18.2	27.4	
203	17.6	14.7	22.1	

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#78

Terphenyl-d14

Concen: 76.53 ng

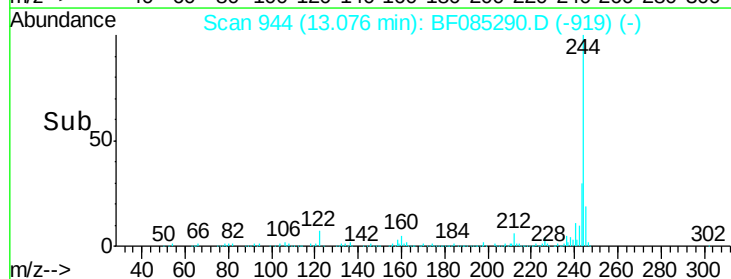
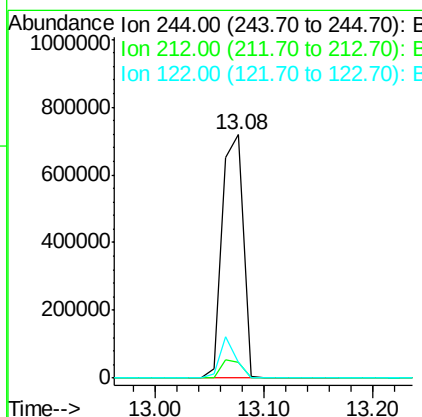
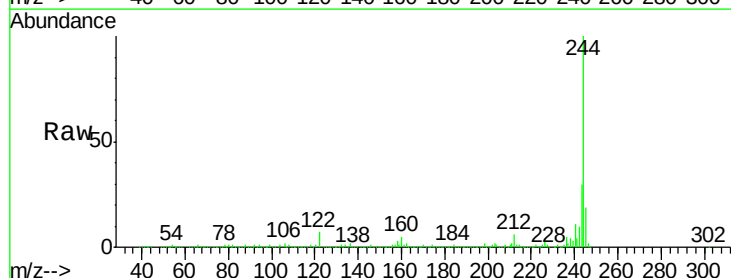
RT: 13.08 min Scan# 944

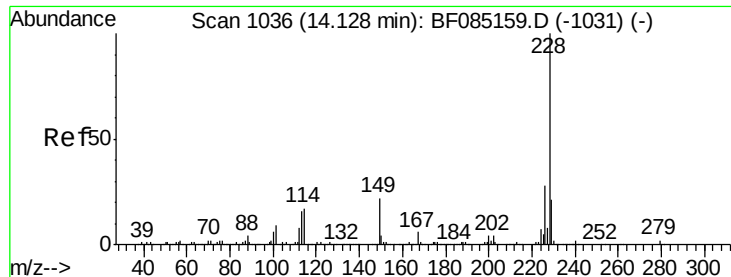
Delta R.T. -0.01 min

Lab File: BF085290.D

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Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	6.4	9.6	
122	6.6	11.4	17.2	





#80

Benzo(a)anthracene

Concen: 14.07 ng

RT: 14.15 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_F

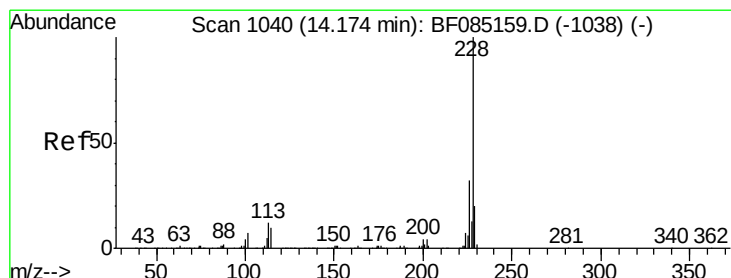
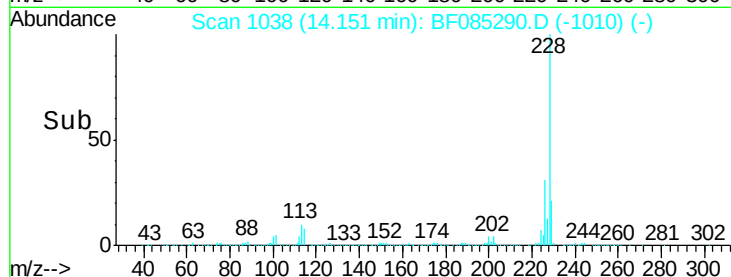
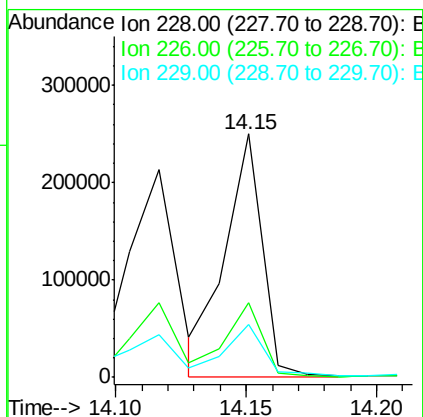
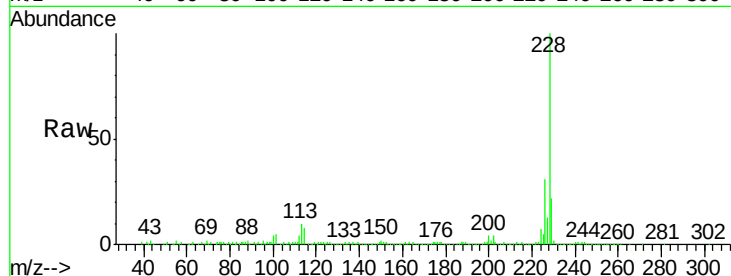
ClientSampleId :

SB-31-COMP-0.5-3.0

Tgt	Ion:228	Resp:	246717
Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.8	34.2
229	21.9	16.6	24.8

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#82

Chrysene

Concen: 15.23 ng

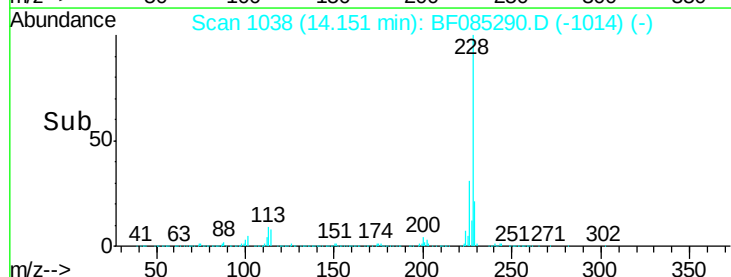
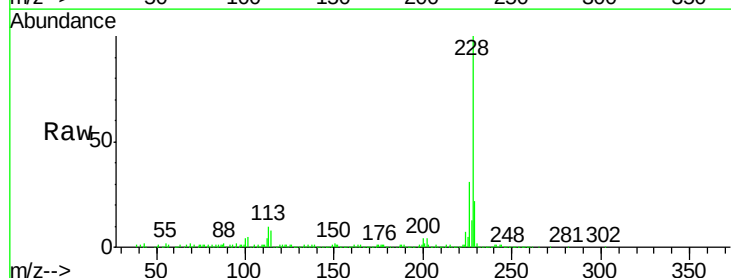
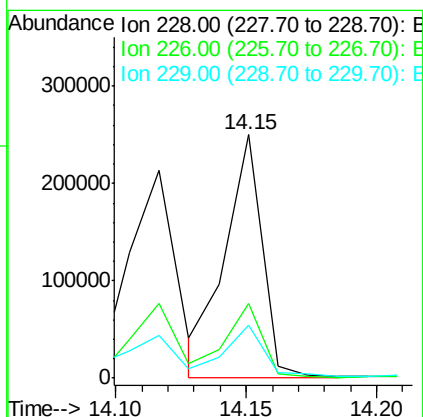
RT: 14.15 min Scan# 1038

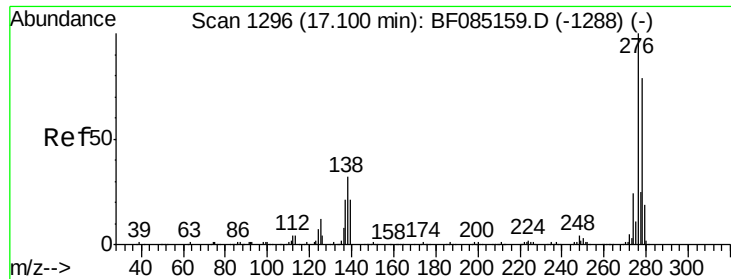
Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt	Ion:228	Resp:	246717
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	21.9	16.0	24.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.38 ng

RT: 17.05 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_F

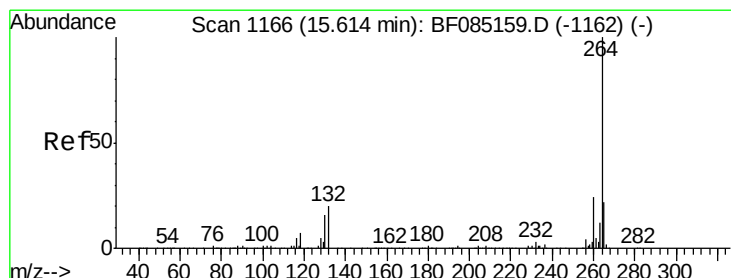
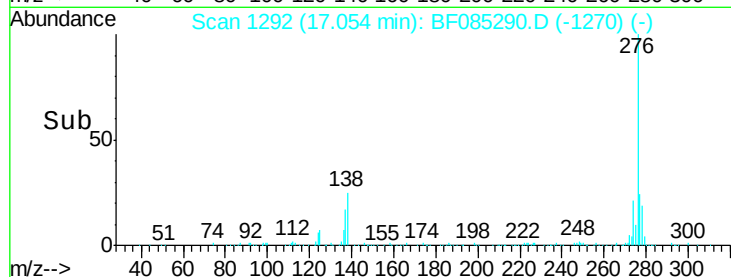
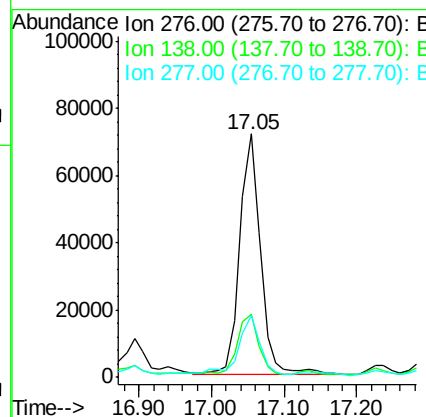
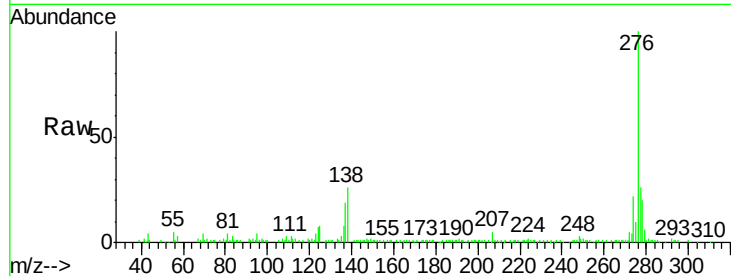
ClientSampleId :

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Tgt Ion:	276	Resp:	143933
Ion Ratio		Lower	Upper
276	100		
138	26.1	26.4	39.6#
277	25.0	20.2	30.2

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#86

Perylene-d12

Concen: 20.00 ng

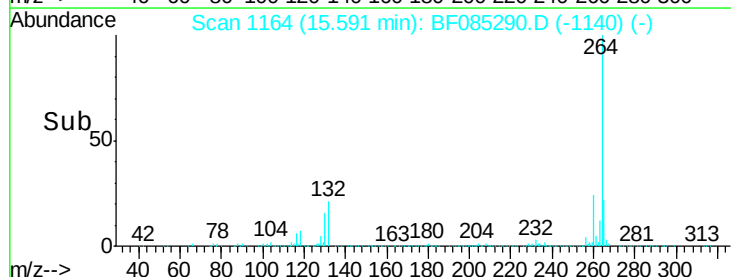
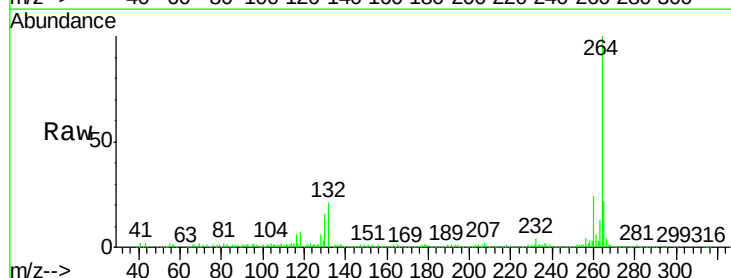
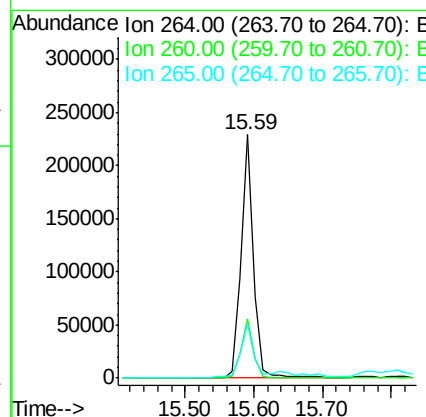
RT: 15.59 min Scan# 1164

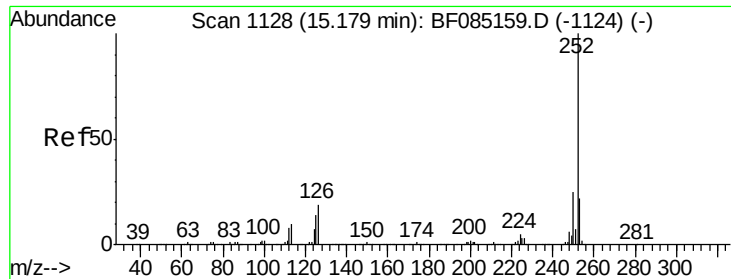
Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion:	264	Resp:	290928
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 19.16 ng m

RT: 15.17 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF085290.D

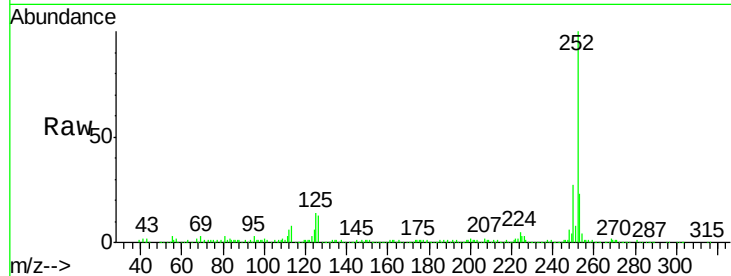
Acq: 9 Mar 2016 7:26

Instrument :

BNA_F

ClientSampleId :

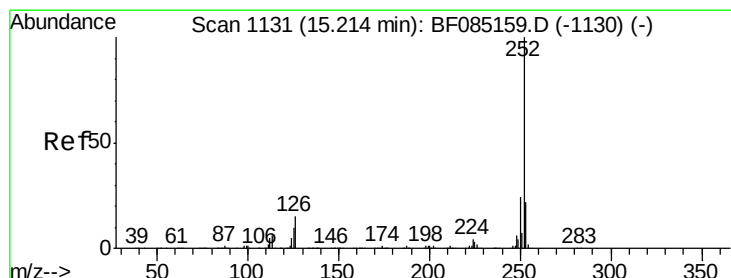
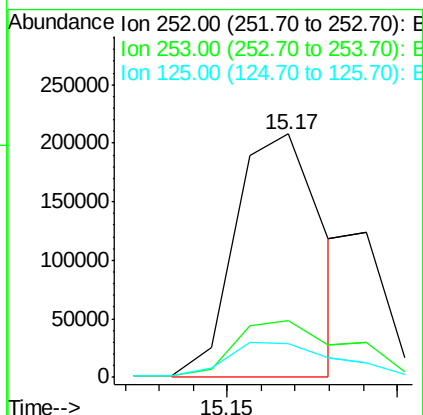
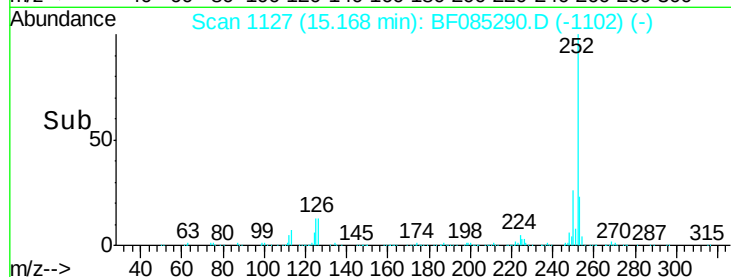
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	14.0	11.3	16.9

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#88

Benzo(k)fluoranthene

Concen: 6.48 ng m

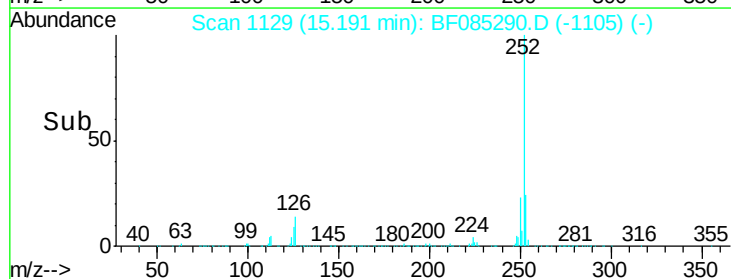
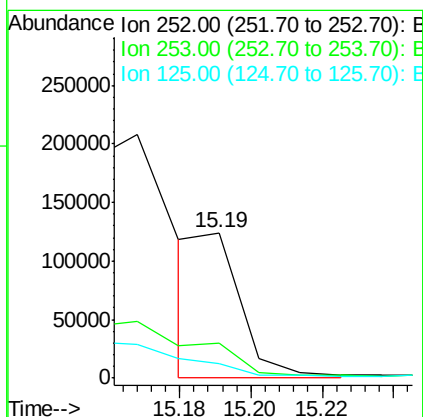
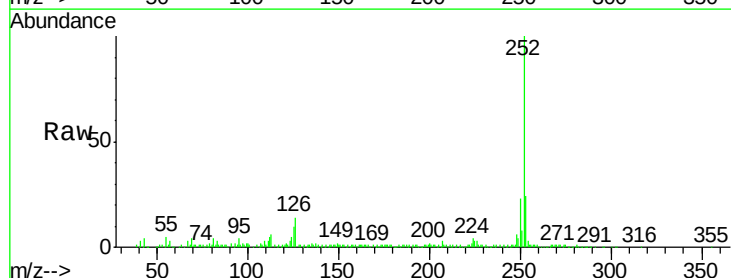
RT: 15.19 min Scan# 1129

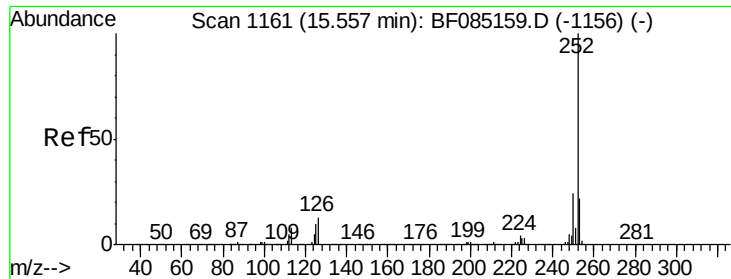
Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	10.3	10.4	15.6#





#89

Benzo(a)pyrene

Concen: 15.13 ng

RT: 15.52 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF085290.D

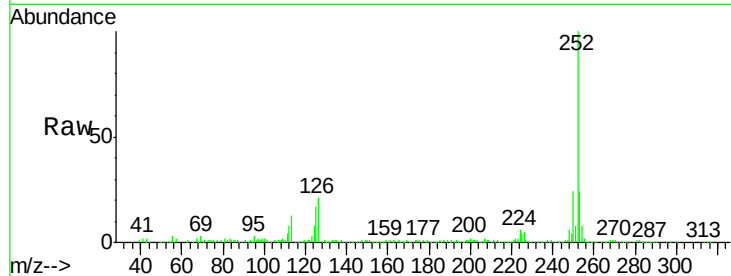
Acq: 9 Mar 2016 7:26

Instrument :

BNA_F

ClientSampleId :

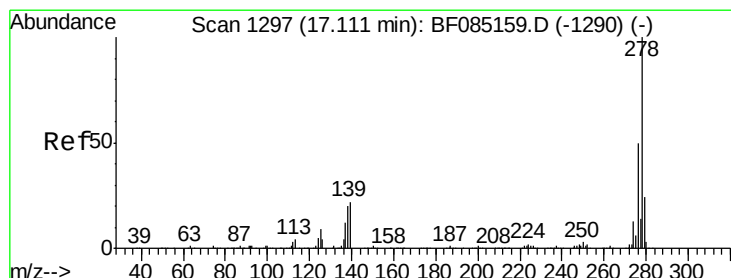
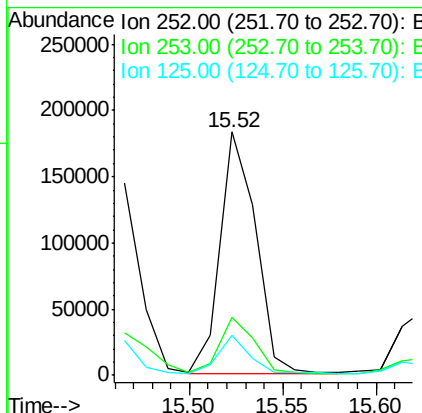
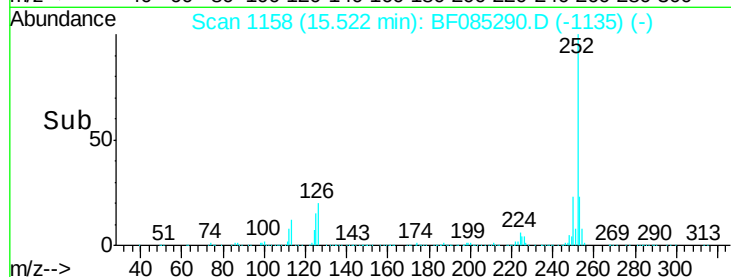
SB-31-COMP-0.5-3.0



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	16.7	8.2	12.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.30 ng

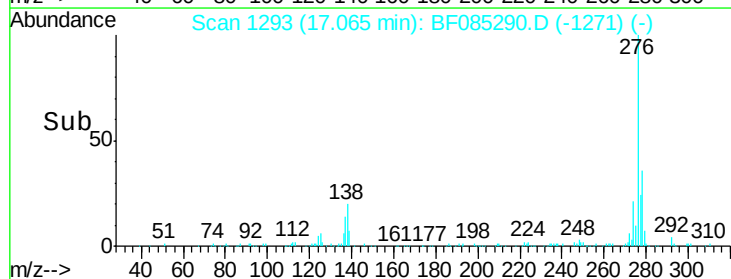
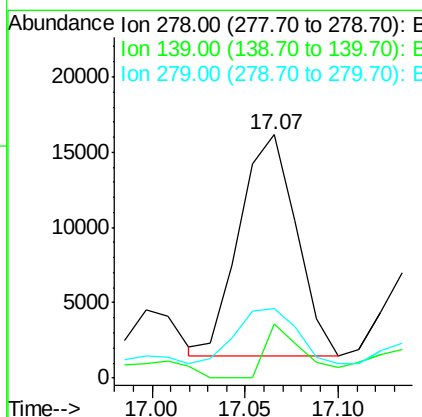
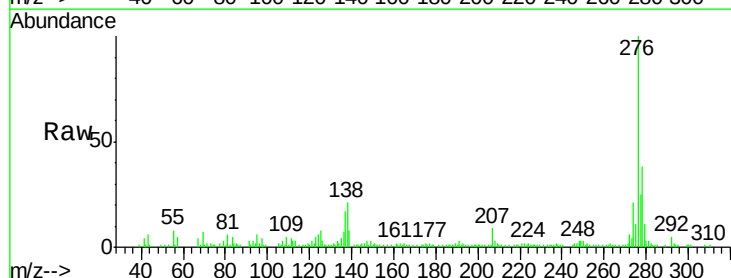
RT: 17.07 min Scan# 1293

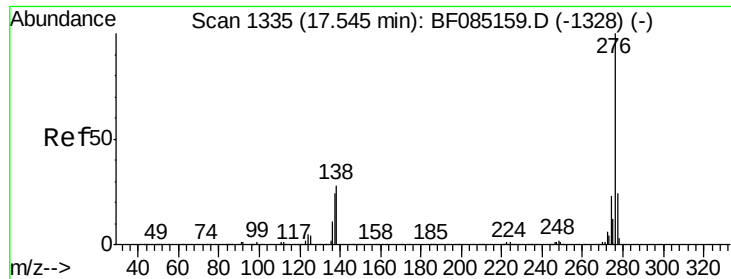
Delta R.T. -0.05 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	17.3	25.9
279	28.6	19.2	28.8





#91
 Benzo(g,h,i)perylene
 Concen: 9.27 ng
 RT: 17.50 min Scan# 1331
 Delta R.T. -0.05 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMP-0.5-3.0

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.2	19.0	28.4		
138	23.6	22.5	33.7		

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