

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
 Data File : BF092414.D
 Acq On : 21 Jan 2017 15:51
 Operator : UM/SJ
 Sample : I1265-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Manual Integrations
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Quant Time: Jan 23 02:13:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 23 01:12:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	121932m	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	475257	20.00	ng	0.00
38) Acenaphthene-d10	9.55	164	328552	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	475645	20.00	ng	0.00
75) Chrysene-d12	13.65	240	348782	20.00	ng	0.00
86) Perylene-d12	15.01	264	302186	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	84838	11.62	ng	0.02
7) Phenol-d6	6.21	99	105791	11.87	ng	0.01
23) Nitrobenzene-d5	7.09	82	71226	8.33	ng	0.00
41) 2,4,6-Tribromophenol	10.33	330	27181	10.00	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	120206	-6.37	ng	0.00
78) Terphenyl-d14	12.61	244	116873	8.13	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.04	178	83949	3.25	ng	97
74) Fluoranthene	12.23	202	255927	8.18	ng	95
77) Pyrene	12.45	202	311267	12.16	ng	97
80) Benzo(a)anthracene	13.64	228	193461	9.83	ng	98
82) Chrysene	13.67	228	143528m	7.27	ng	
85) Indeno(1,2,3-cd)pyrene	16.22	276	89124	5.21	ng	94
87) Benzo(b)fluoranthene	14.66	252	249199m	13.25	ng	
88) Benzo(k)fluoranthene	14.67	252	49099m	3.06	ng	
89) Benzo(a)pyrene	14.95	252	162498	9.73	ng	98
91) Benzo(g,h,i)perylene	16.58	276	94285	6.61	ng	# 91

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

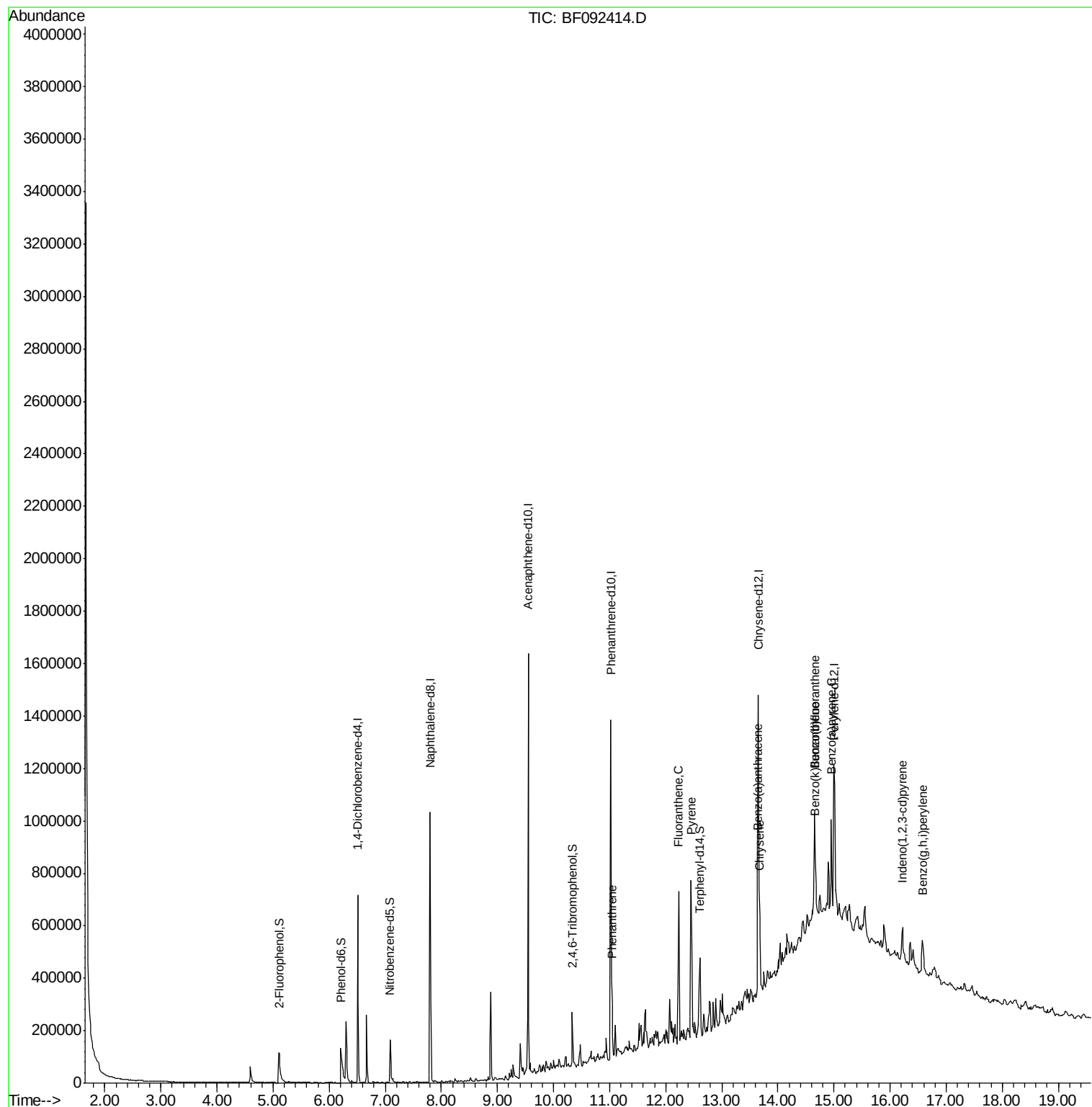
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092414.D
Acq On : 21 Jan 2017 15:51
Operator : UM/SJ
Sample : I1265-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

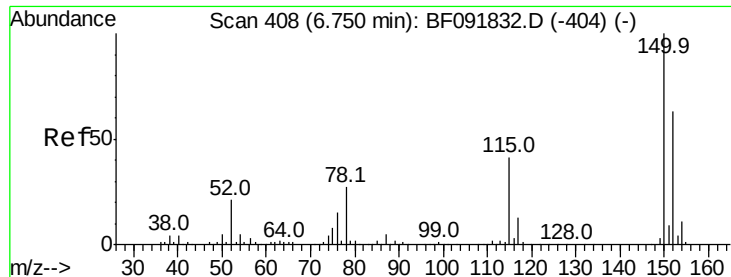
Instrument :
BNA_F
ClientSampleId :
B-1

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Quant Time: Jan 23 02:13:32 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

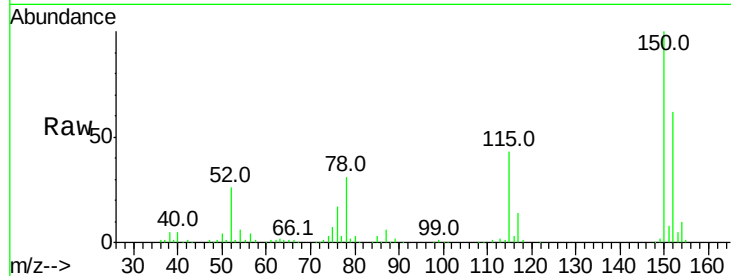
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.51 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampled :
B-1

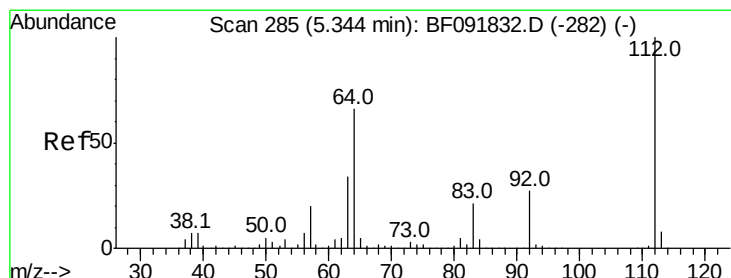
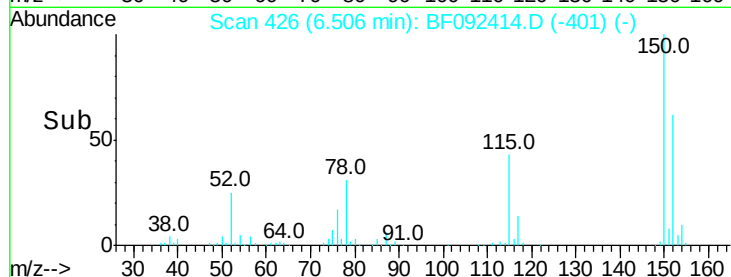
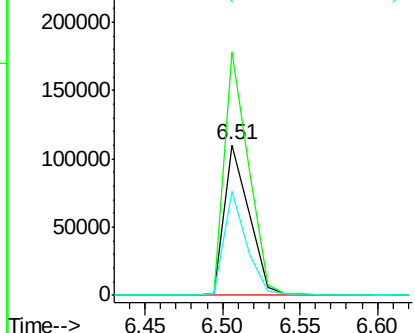
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.9	187.3
115	69.5	46.0	69.0

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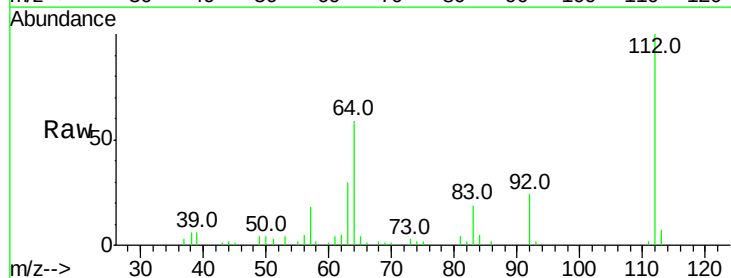
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



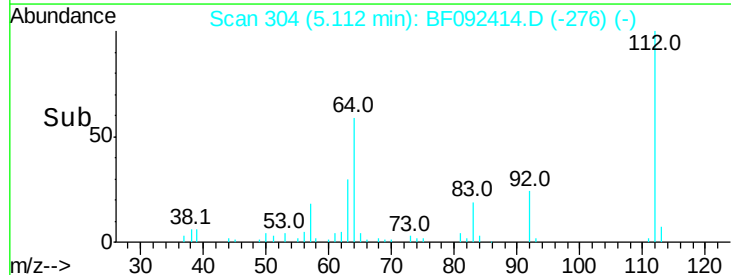
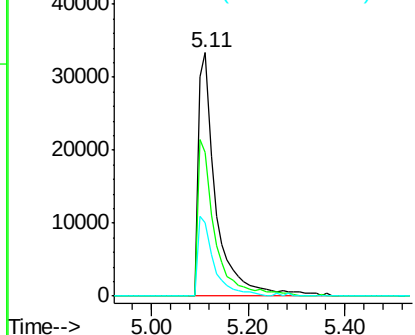
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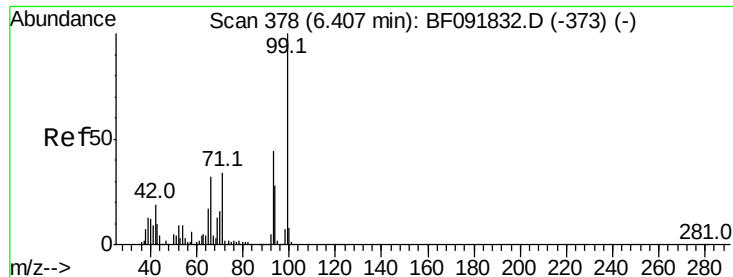
2-Fluorophenol
Concen: 11.62 ng
RT: 5.11 min Scan# 304
Delta R.T. 0.02 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.1	69.1
63	30.1	23.8	35.6



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: 11.87 ng

RT: 6.21 min Scan# 400

Delta R.T. 0.01 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

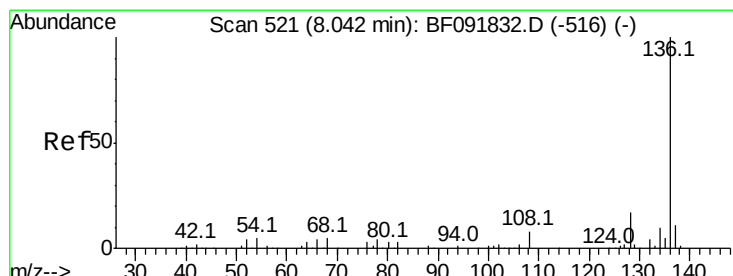
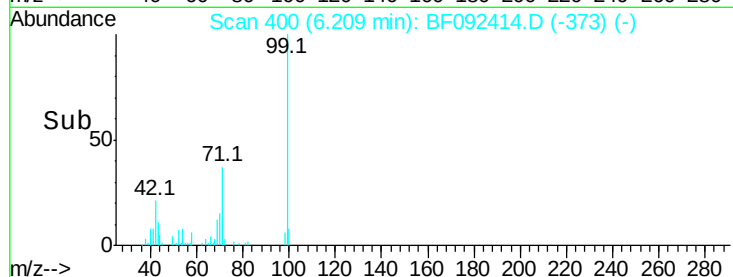
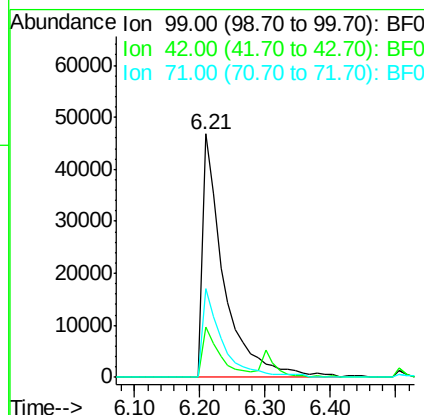
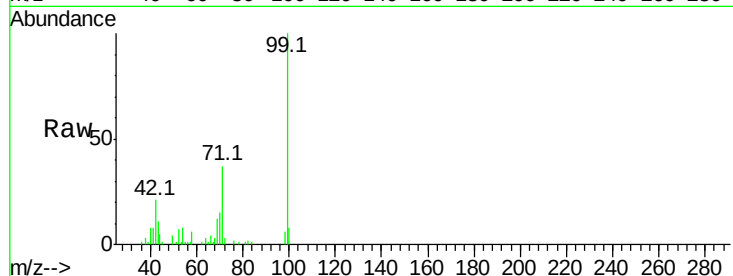
ClientSampleId :

B-1

Tot Ion:	99	Resp:	105791
Ion Ratio	Lower	Upper	
99	100		
42	20.9	15.6	23.4
71	36.7	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

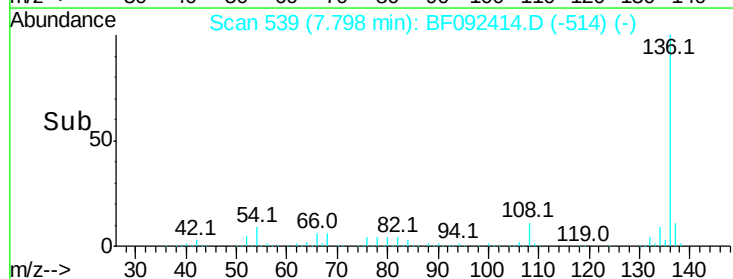
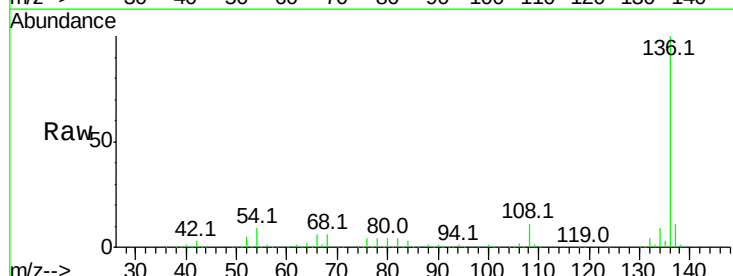
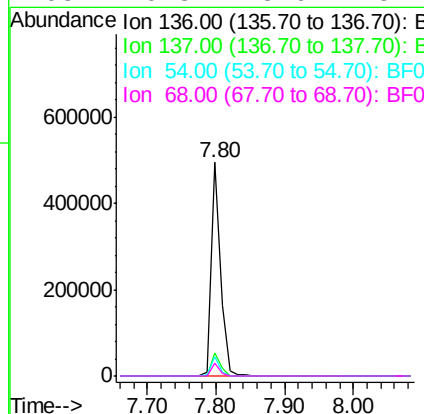
RT: 7.80 min Scan# 539

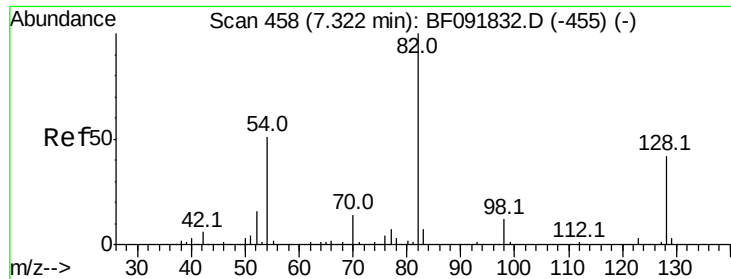
Delta R.T. -0.01 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Tgt Ion:	136	Resp:	475257
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	9.2	4.5	6.7#
68	6.3	3.6	5.4#





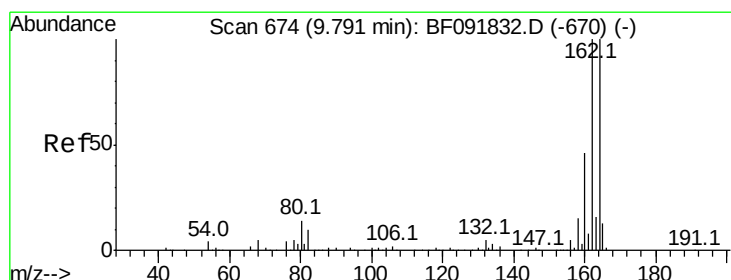
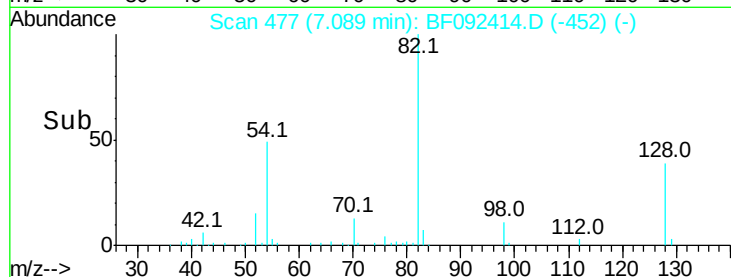
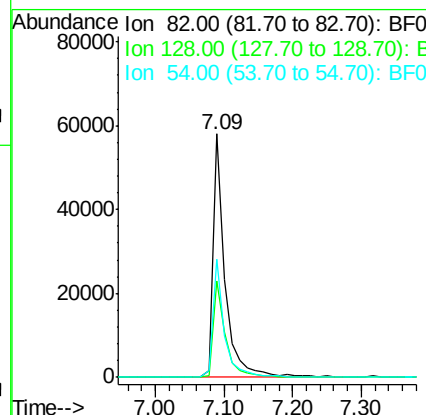
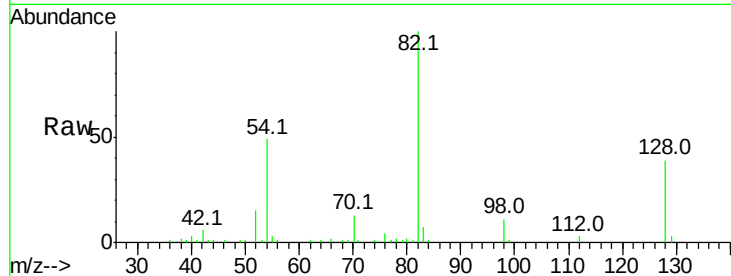
#23
Nitrobenzene-d5
Concen: 8.33 ng
RT: 7.09 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampled :
B-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.4	34.6	52.0
54	48.6	39.5	59.3

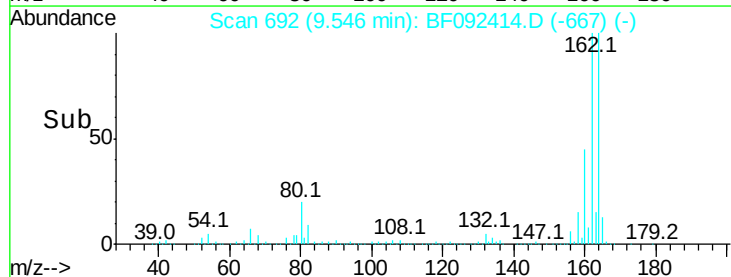
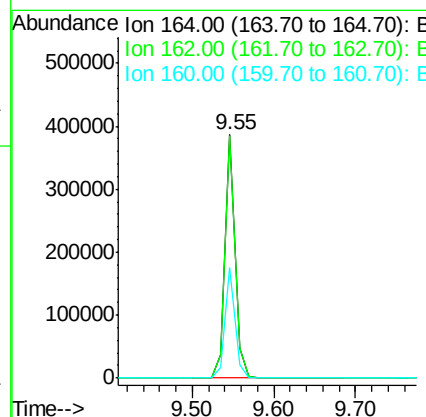
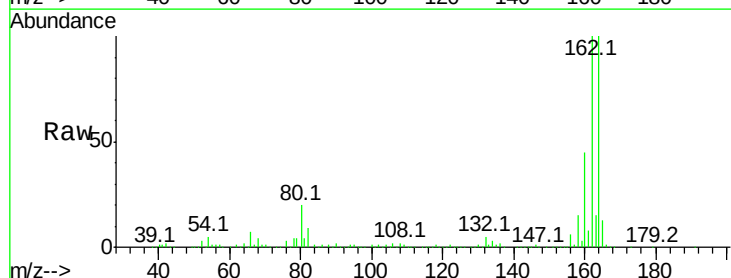
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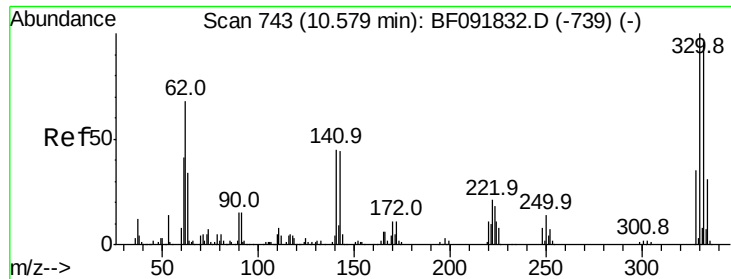
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.2	120.2
160	45.4	36.9	55.3





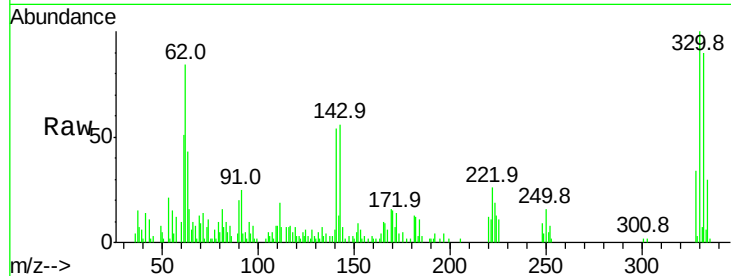
#41
 2,4,6-Tribromophenol
 Concen: 10.00 ng
 RT: 10.33 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Instrument :
 BNA_F
 ClientSampled :
 B-1

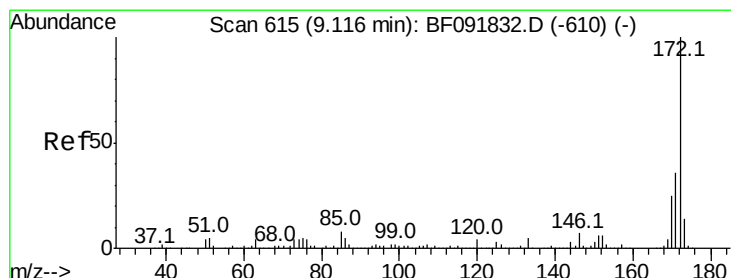
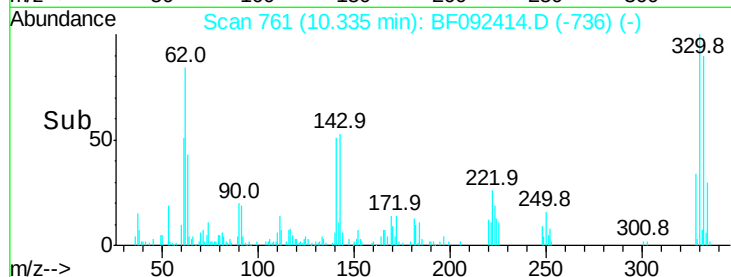
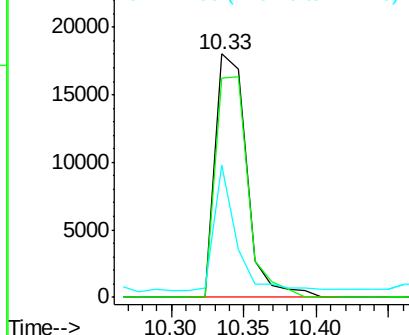
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.4	116.2
141	36.1	34.1	51.1

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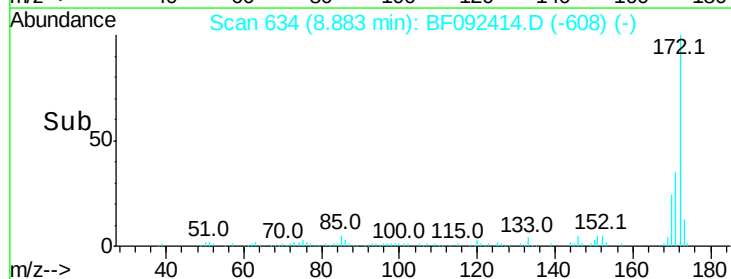
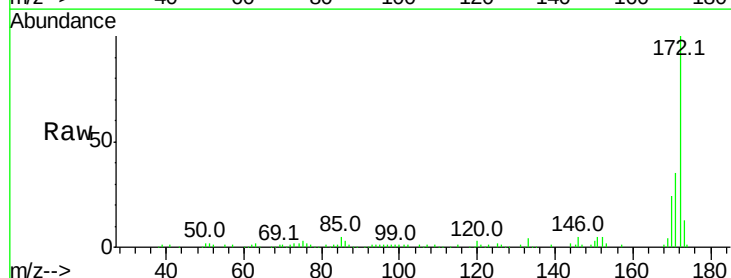
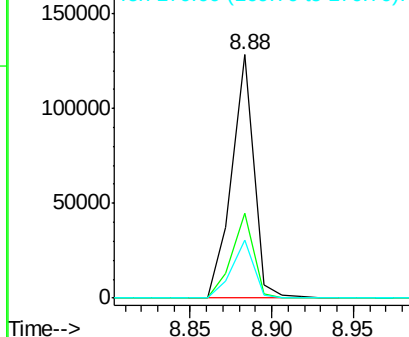
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

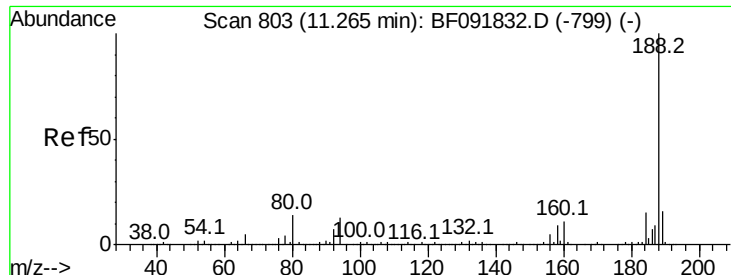


#44
 2-Fluorobiphenyl
 Concen: -6.37 ng
 RT: 8.88 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.0
170	23.6	20.2	30.4

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





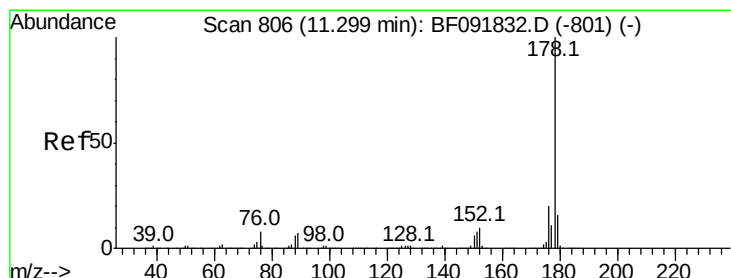
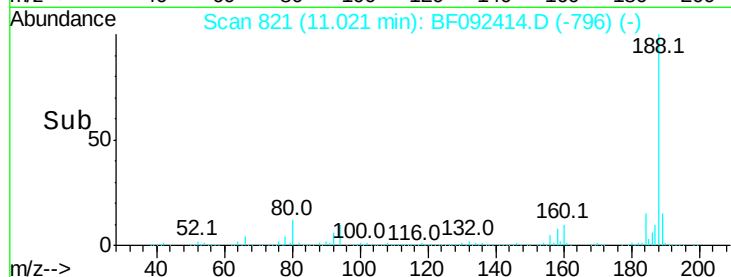
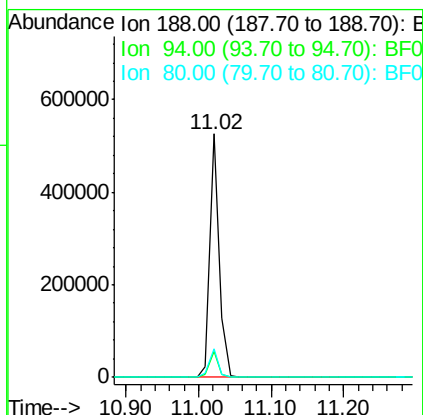
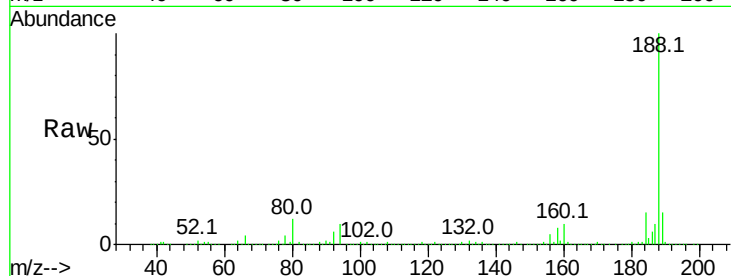
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	475645		
94	10.5		10.0	15.0
80	11.9		11.2	16.8

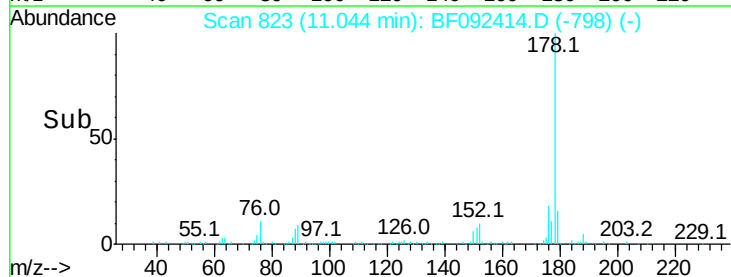
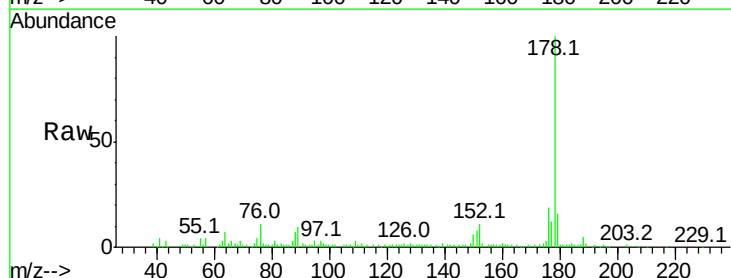
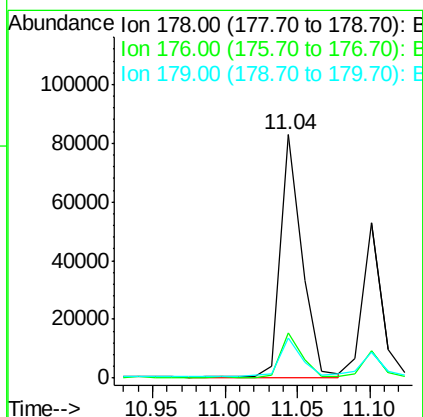
Manual Integrations
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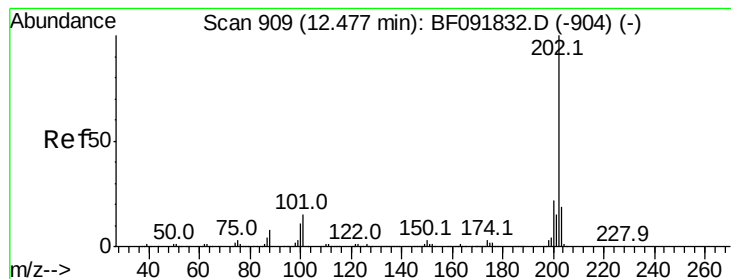
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#70
Phenanthrene
Concen: 3.25 ng
RT: 11.04 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	83949		
176	18.5		16.6	25.0
179	16.3		12.8	19.2





#74

Fluoranthene

Concen: 8.18 ng

RT: 12.23 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

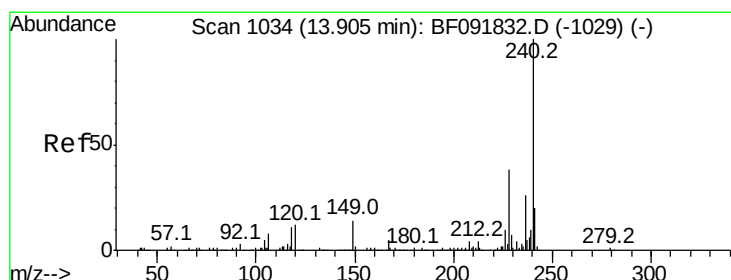
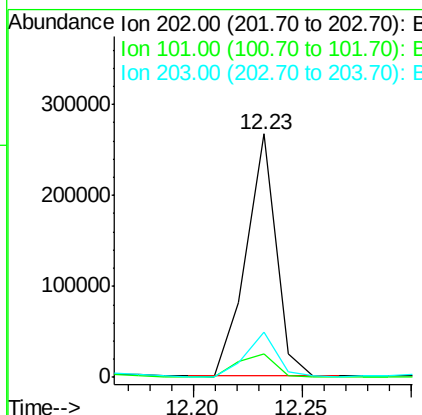
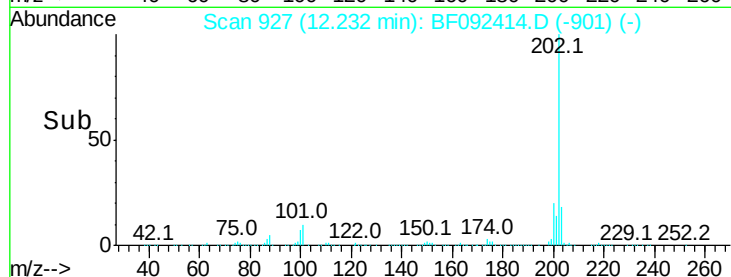
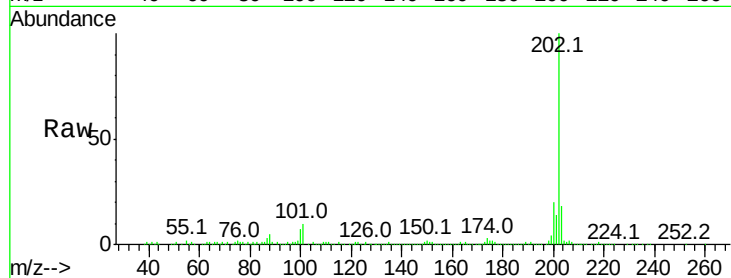
ClientSampleId :

B-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	0.0	34.6
203	18.4	0.0	38.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

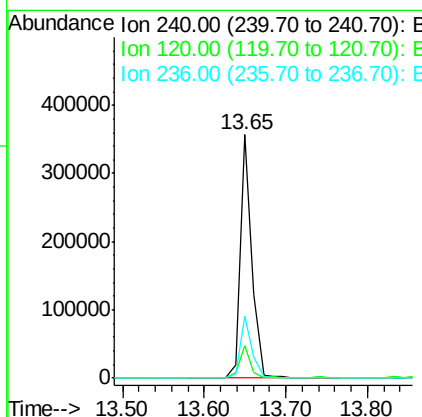
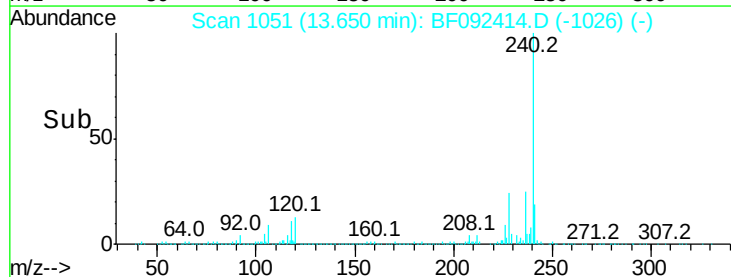
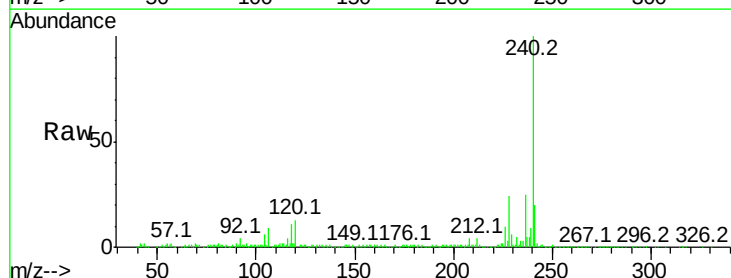
RT: 13.65 min Scan# 1051

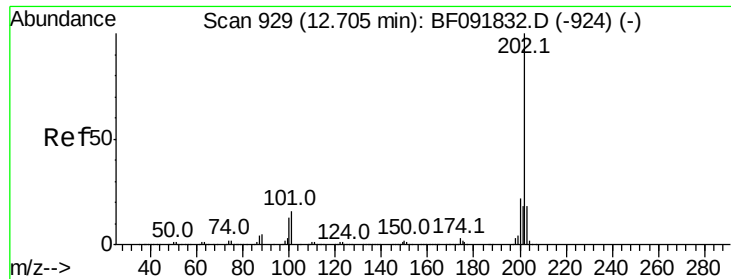
Delta R.T. -0.01 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.5	12.9	19.3
236	25.2	20.9	31.3





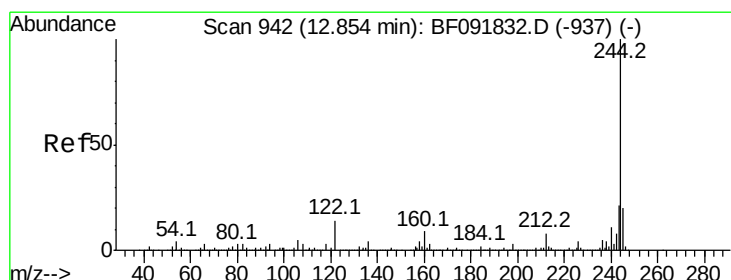
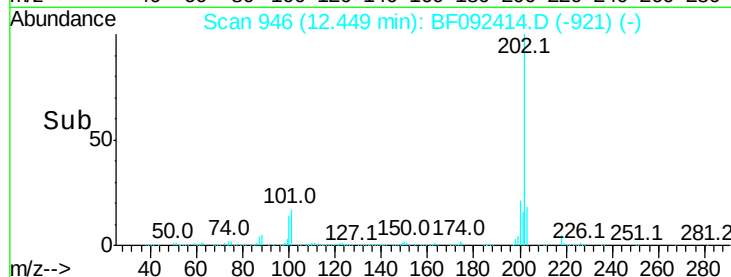
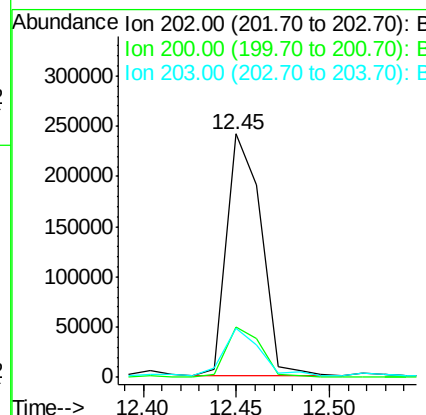
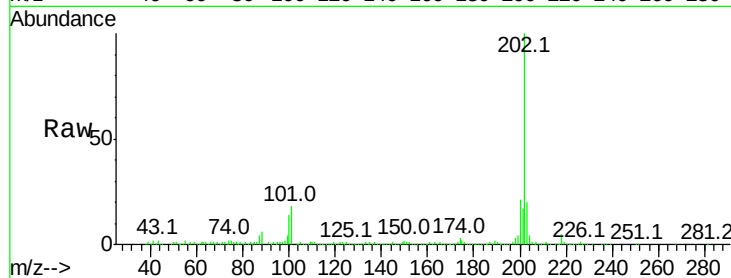
#77
Pvrene
Concen: 12.16 ng
RT: 12.45 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	19.9	14.7	22.1

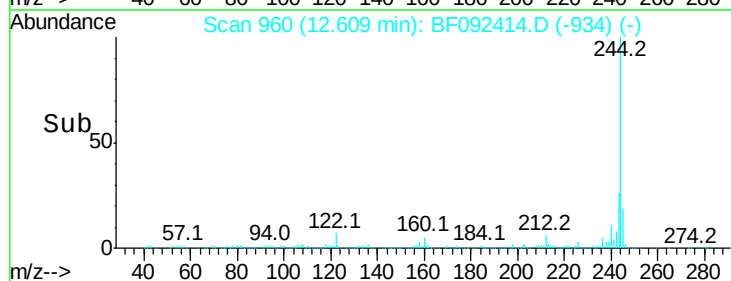
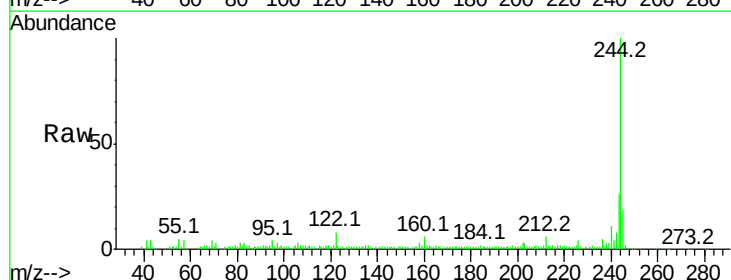
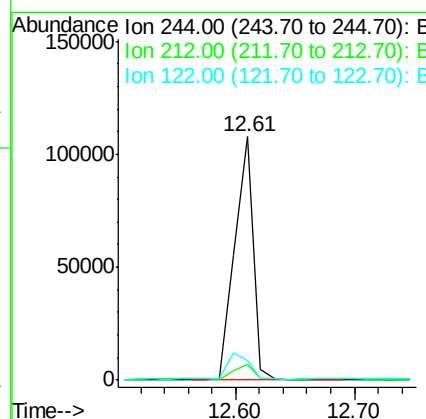
Manual Integrations
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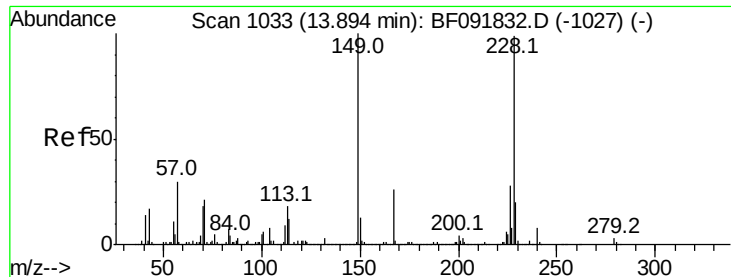
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#78
Terphenyl-d14
Concen: 8.13 ng
RT: 12.61 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.2	9.2
122	7.9	11.4	17.2





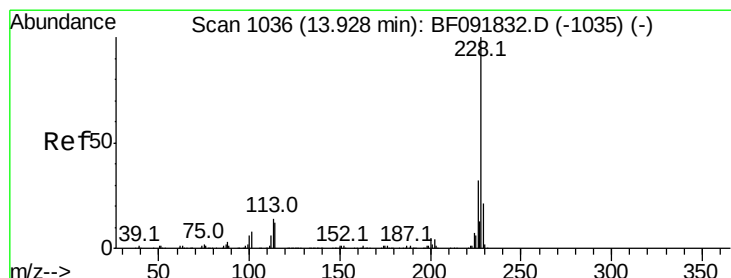
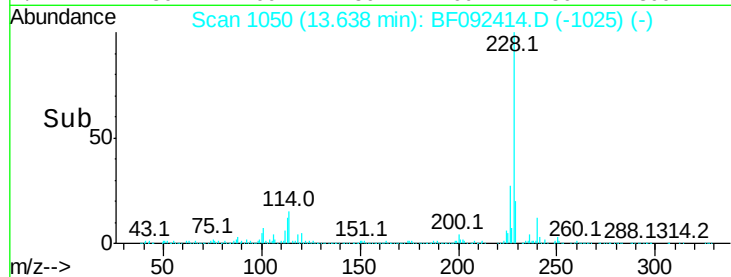
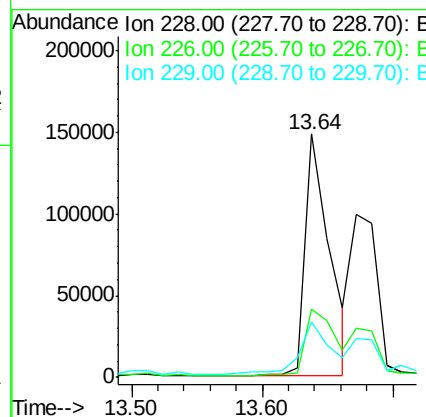
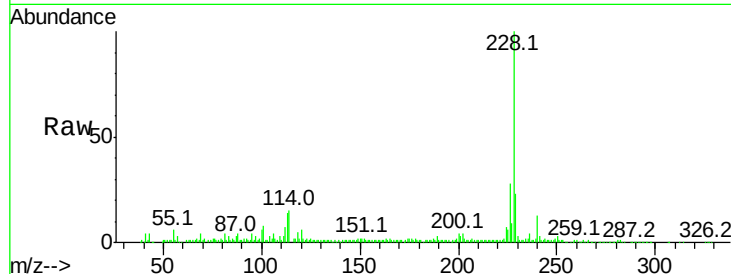
#80
Benzo(a)anthracene
Concen: 9.83 ng
RT: 13.64 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	22.6	16.2	24.4

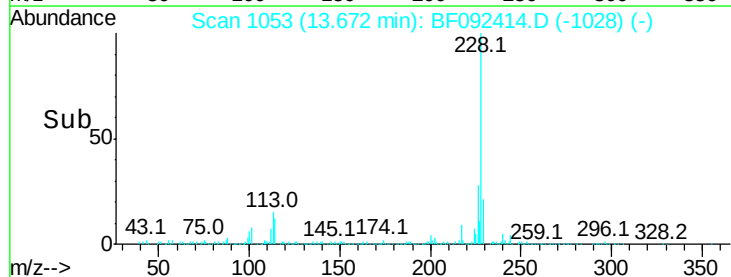
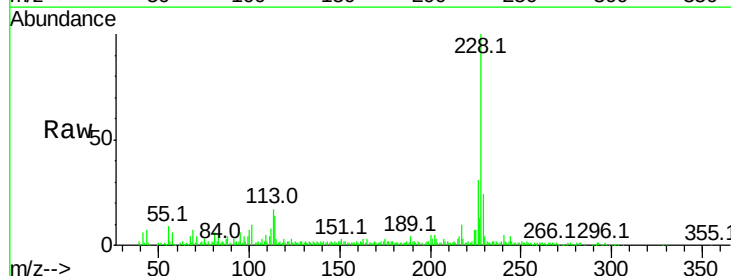
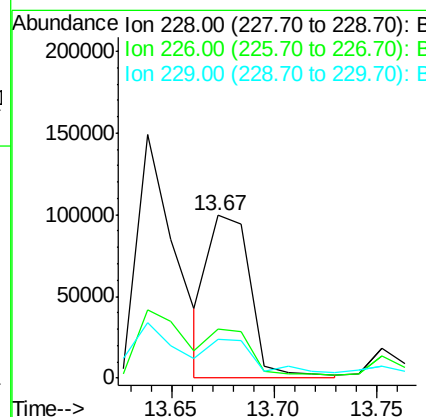
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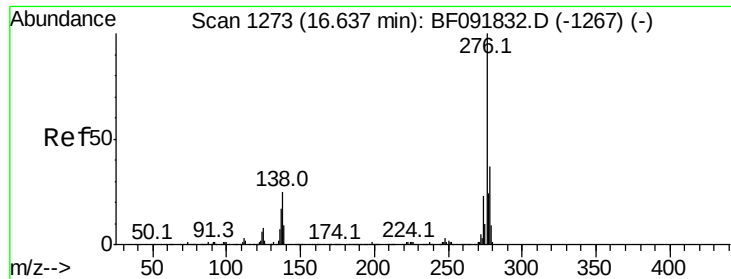
mohammad
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#82
Chrysene
Concen: 7.27 ng m
RT: 13.67 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	23.8	16.2	24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.21 ng

RT: 16.22 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

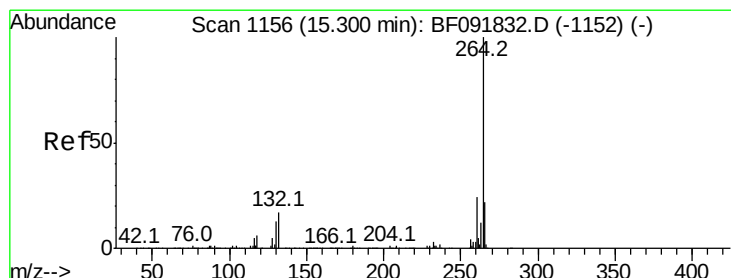
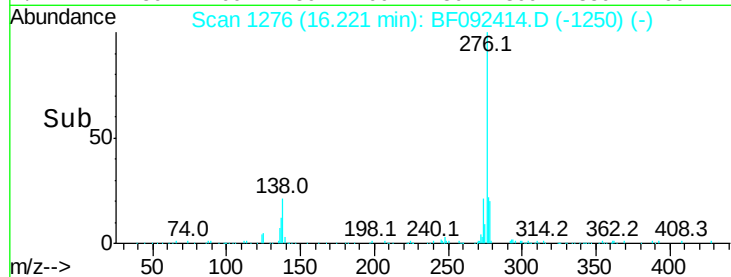
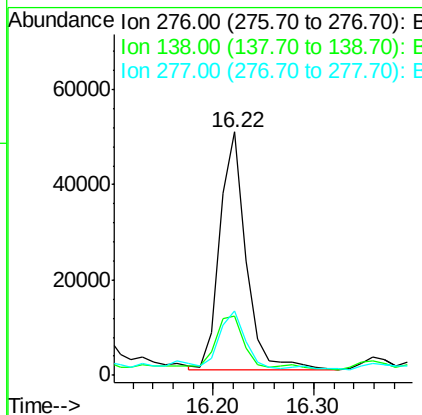
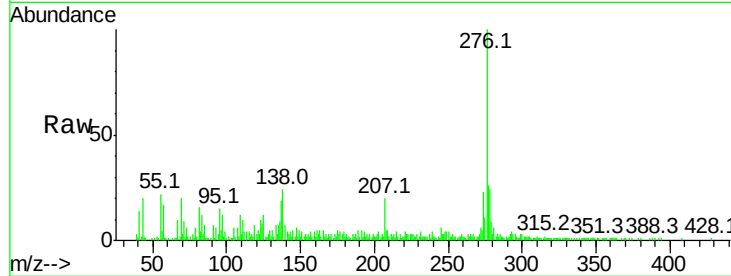
ClientSampleId :

B-1

Tot Ion:	276	Resp:	89124
Ion Ratio	Lower	Upper	
276	100		
138	22.5	21.8	32.6
277	23.5	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

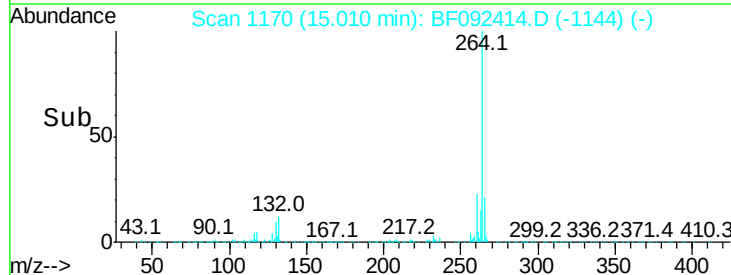
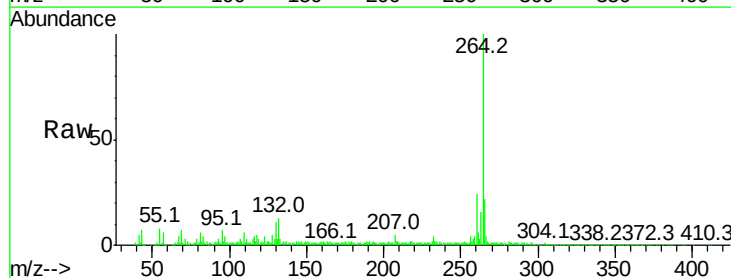
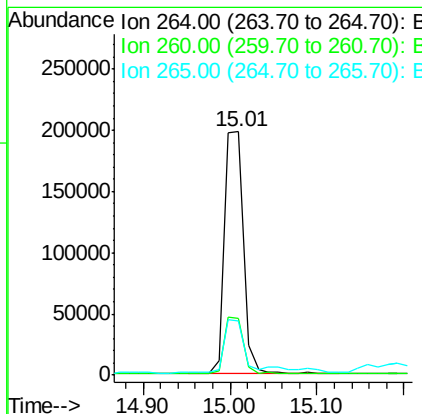
RT: 15.01 min Scan# 1170

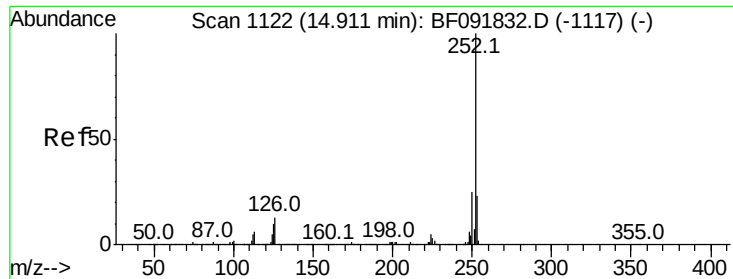
Delta R.T. 0.00 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Tgt Ion:	264	Resp:	302186
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 13.25 ng m

RT: 14.66 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

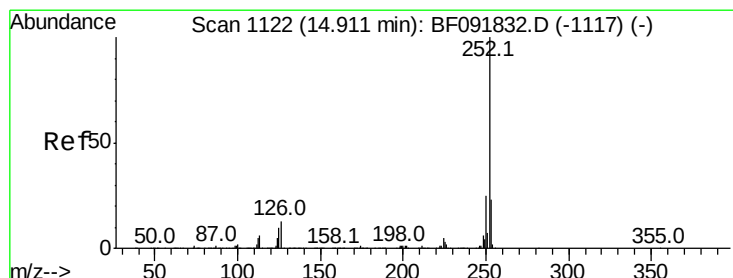
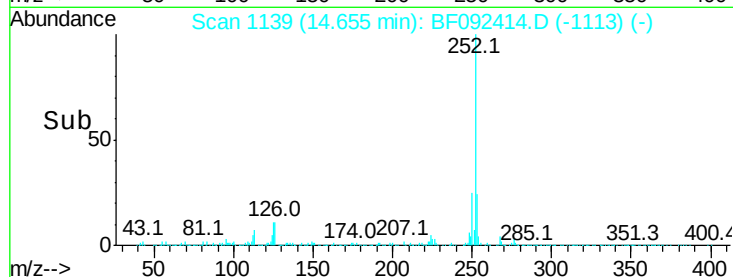
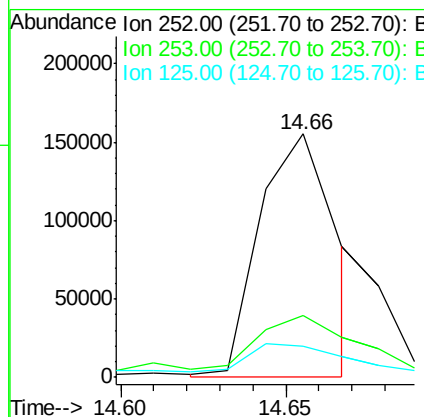
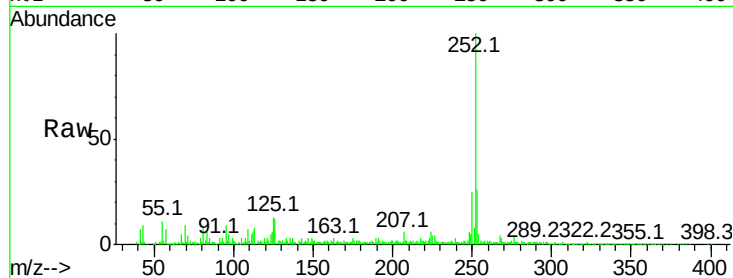
ClientSampleId :

B-1

Tot Ion:	252	Resp:	249199
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.2	27.4
125	13.0	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 3.06 ng m

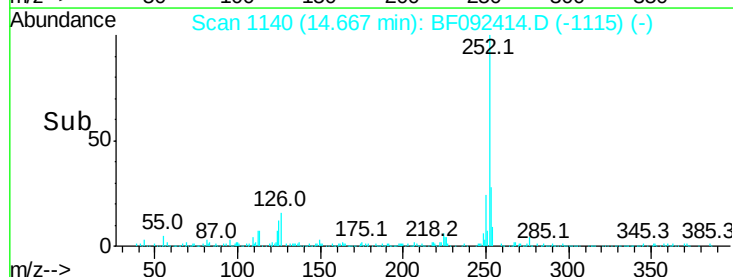
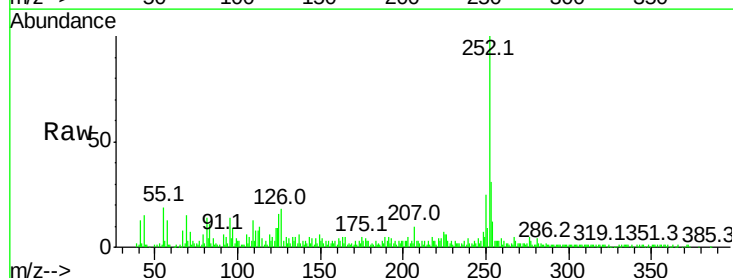
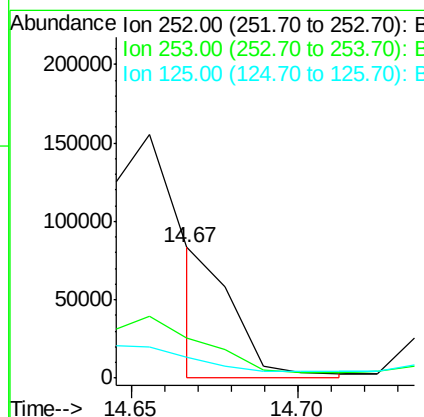
RT: 14.67 min Scan# 1140

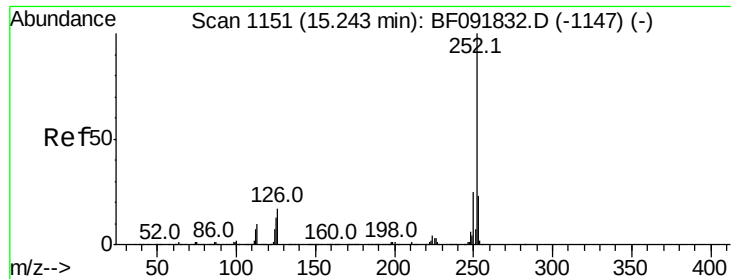
Delta R.T. -0.01 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Tgt Ion:	252	Resp:	49099
Ion Ratio	Lower	Upper	
252	100		
253	31.0	18.5	27.7#
125	15.9	8.9	13.3#





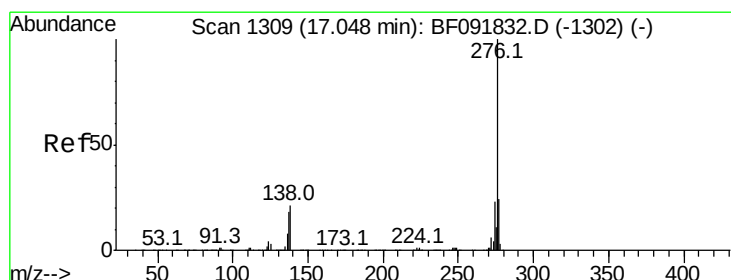
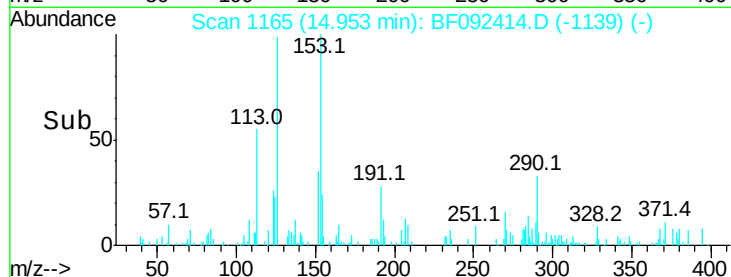
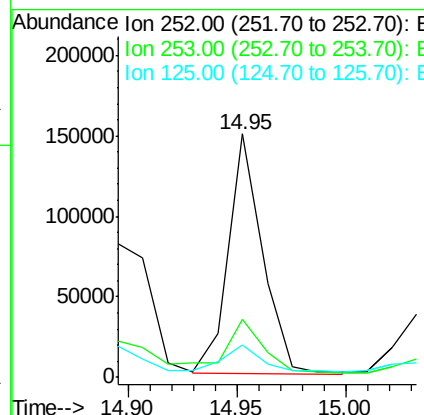
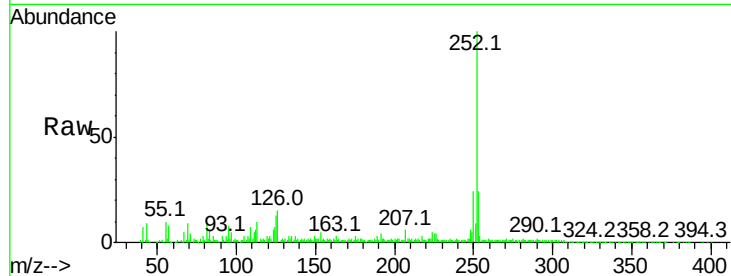
#89
Benzo(a)pyrene
Concen: 9.73 ng
RT: 14.95 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampled :
B-1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.7	18.2	27.2
125	13.3	10.0	15.0

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#91
Benzo(g,h,i)perylene
Concen: 6.61 ng
RT: 16.58 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.4	19.2	28.8
138	26.5	16.0	24.0

