

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078484.D
 Acq On : 14 Apr 2015 4:39
 Operator : TP/IZ
 Sample : G1841-02DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-2DL

Manual Integrations
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Quant Time: Apr 14 04:49:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 04:24:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	39688	20.00	ng	0.00
21) Naphthalene-d8	8.40	136	162219	20.00	ng	-0.01
38) Acenaphthene-d10	10.56	164	85759	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	172171	20.00	ng	0.00
75) Chrysene-d12	15.63	240	186785	20.00	ng	-0.01
86) Perylene-d12	17.29	264	185728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	16488	6.85	ng	0.01
7) Phenol-d6	6.43	99	22418	7.43	ng	0.00
23) Nitrobenzene-d5	7.53	82	13031	4.87	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	5029	7.07	ng	0.00
44) 2-Fluorobiphenyl	9.75	172	31515	5.25	ng	-0.01
78) Terphenyl-d14	14.38	244	42313	5.12	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	10.60	154	11863	2.36	ng	98
57) Fluorene	11.23	166	19052	3.07	ng	99
70) Phenanthrene	12.41	178	350043	35.15	ng	99
71) Anthracene	12.48	178	85956	8.76	ng	99
74) Fluoranthene	13.87	202	409037	38.94	ng	97
77) Pyrene	14.15	202	358856	30.60	ng	# 95
80) Benzo(a)anthracene	15.62	228	190321	17.13	ng	96
82) Chrysene	15.67	228	155907	14.93	ng	97
85) Indeno(1,2,3-cd)pyrene	18.49	276	74119	6.26	ng	# 88
87) Benzo(b)fluoranthene	16.88	252	177631m	15.47	ng	
88) Benzo(k)fluoranthene	16.90	252	62012m	6.08	ng	
89) Benzo(a)pyrene	17.23	252	128286	12.81	ng	97
91) Benzo(g,h,i)perylene	18.83	276	69858	6.95	ng	97

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

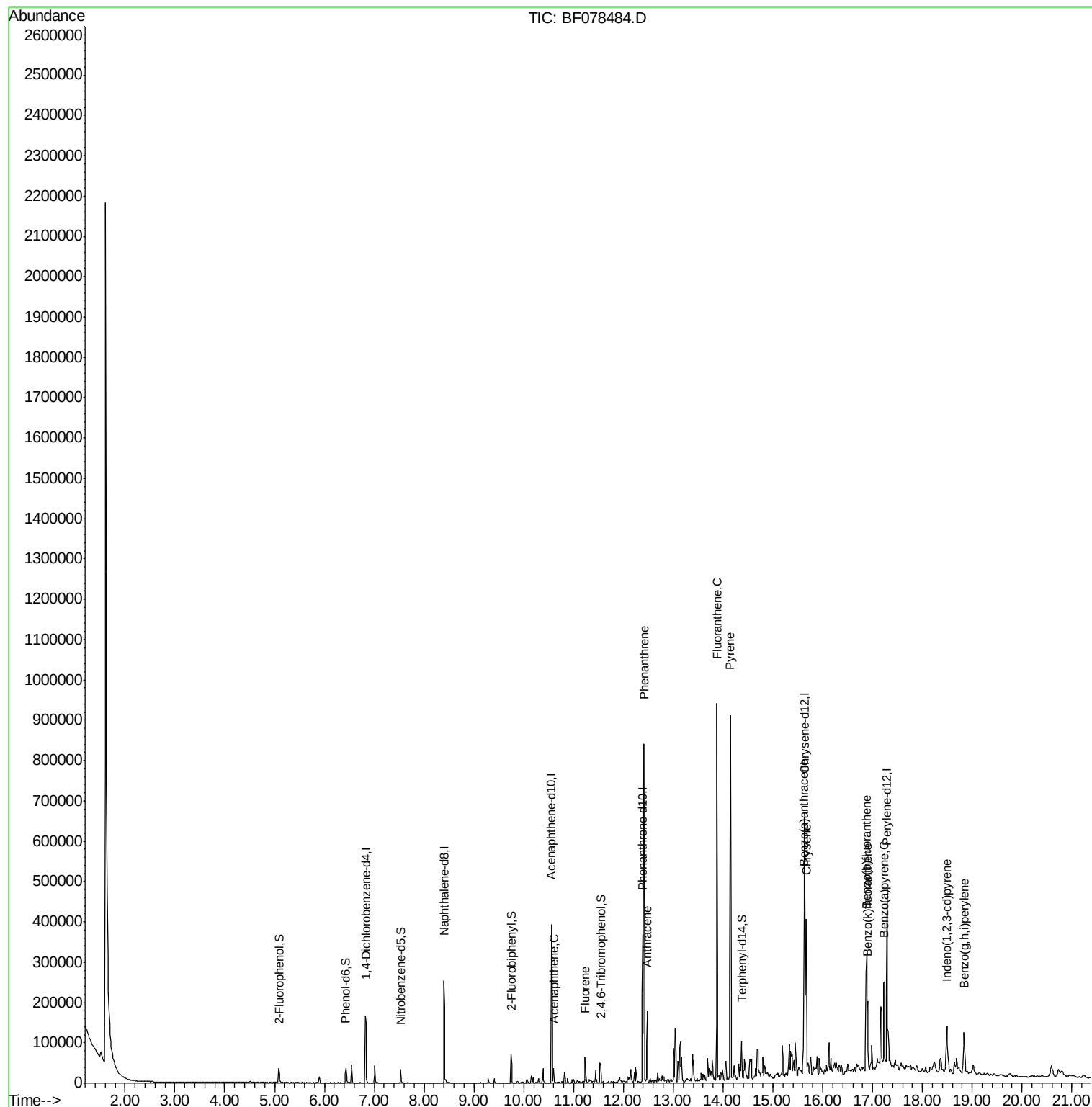
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078484.D
Acq On : 14 Apr 2015 4:39
Operator : TP/IZ
Sample : G1841-02DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

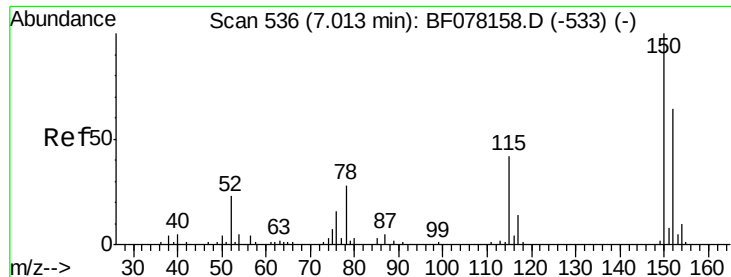
Instrument :
BNA_F
ClientSampleId :
EP-2DL

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Quant Time: Apr 14 04:49:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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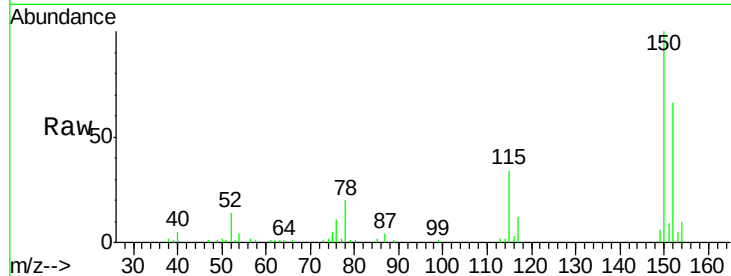
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampled :
 EP-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	39688		
150	151.9	125.9	188.9	
115	52.1	52.7	79.1#	

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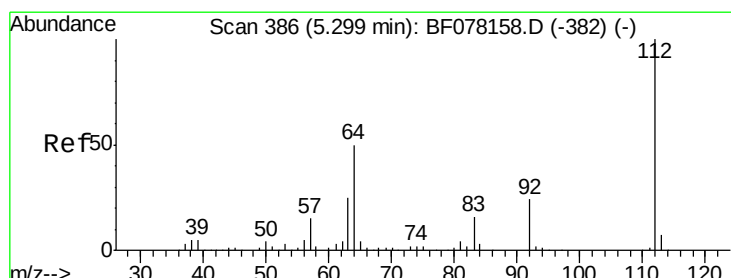
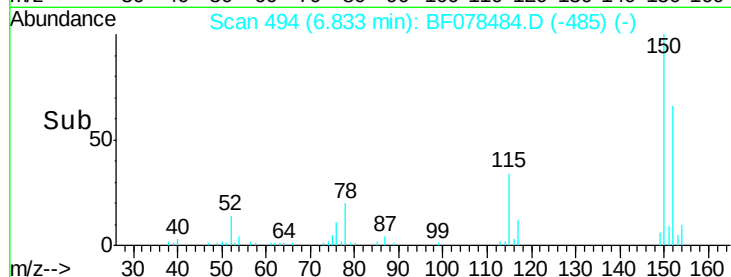
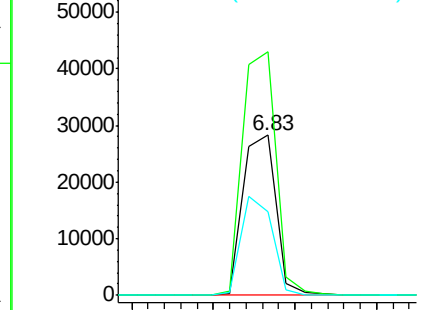


Abundance

Ion 152.00 (151.70 to 152.70): E

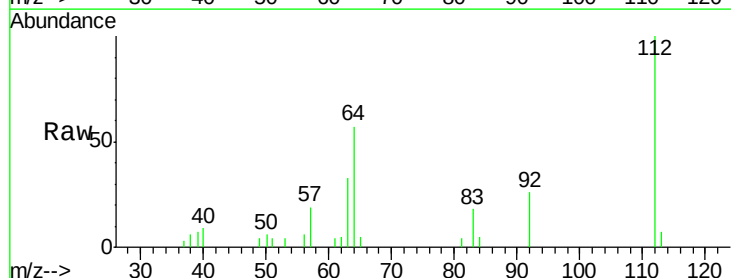
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 6.85 ng
 RT: 5.08 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	16488		
64	57.5	39.9	59.9	
63	33.4	20.2	30.4#	

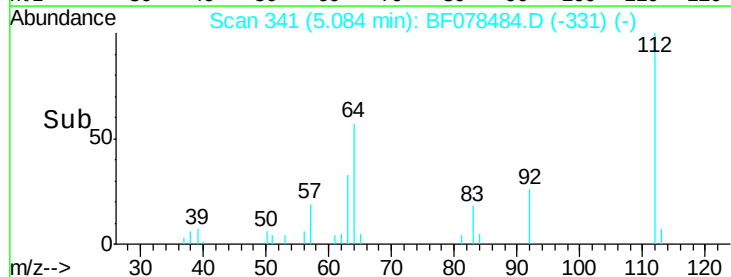
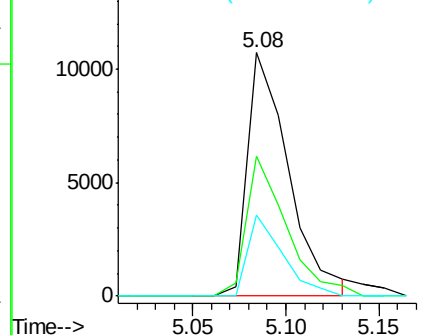


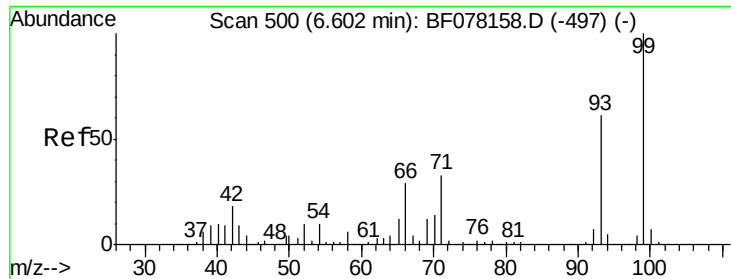
Abundance

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: 7.43 ng

RT: 6.43 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF078484.D

Acq: 14 Apr 2015 4:39

Instrument :

BNA_F

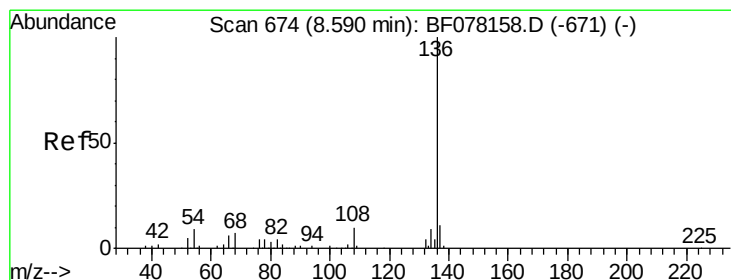
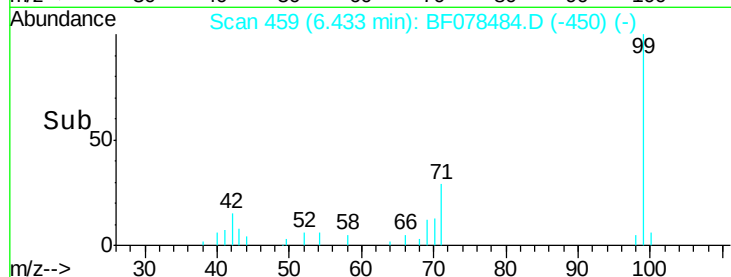
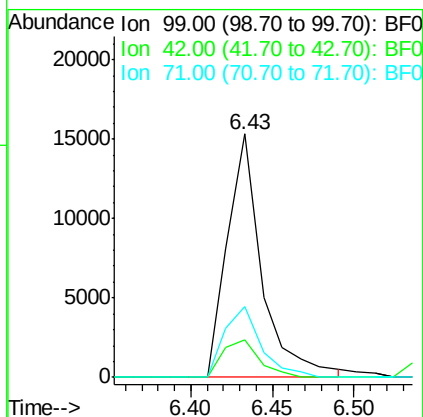
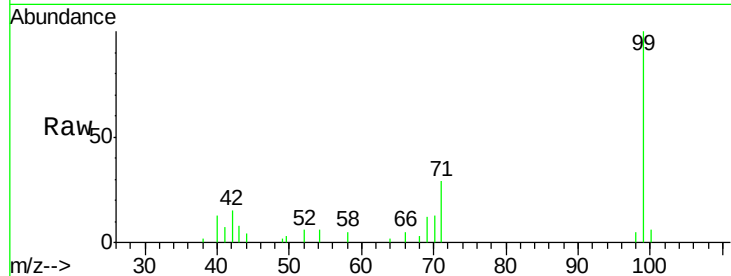
ClientSampleId :

EP-2DL

Tgt Ion:	99	Resp:	22418
Ion Ratio	Lower	Upper	
99	100		
42	15.2	14.8	22.2
71	29.1	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

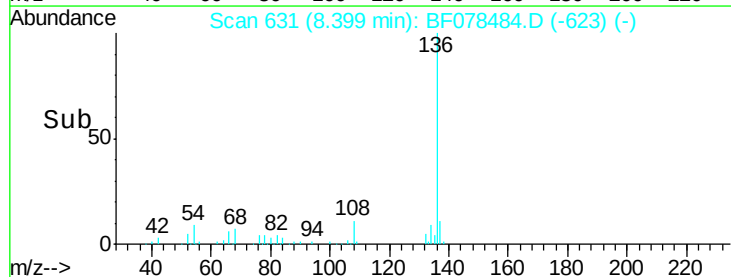
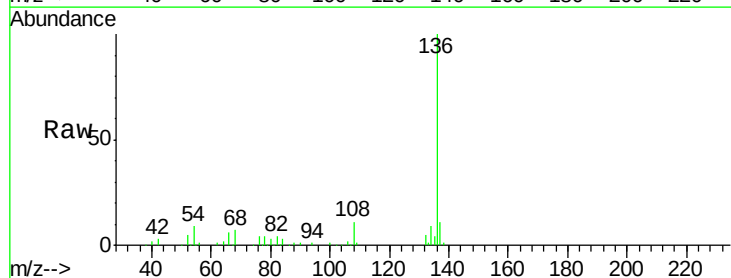
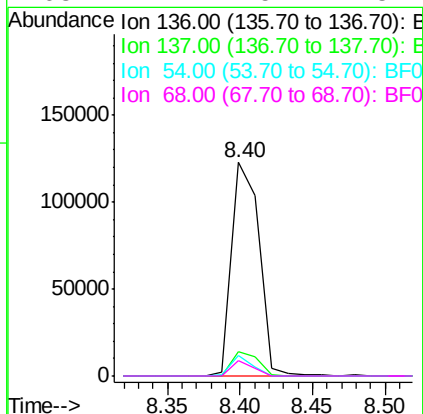
RT: 8.40 min Scan# 631

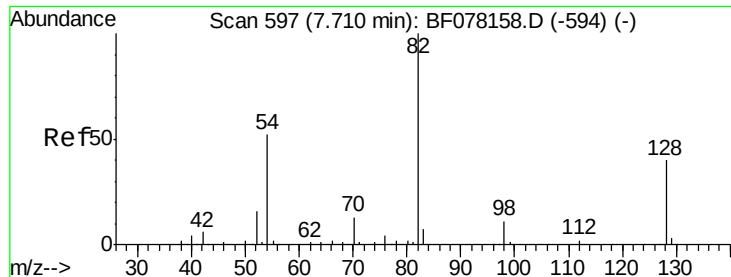
Delta R.T. -0.01 min

Lab File: BF078484.D

Acq: 14 Apr 2015 4:39

Tgt Ion:	136	Resp:	162219
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	9.4	7.0	10.6
68	7.2	5.4	8.2





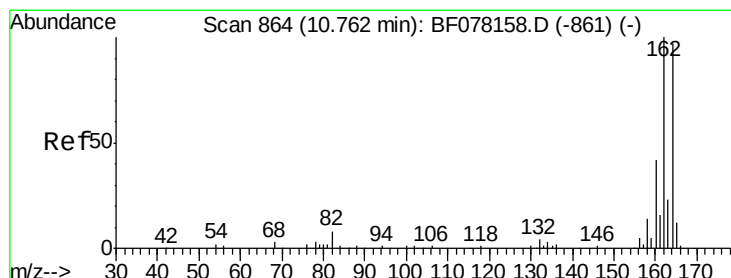
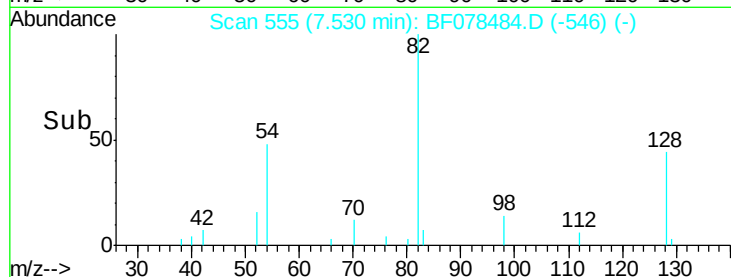
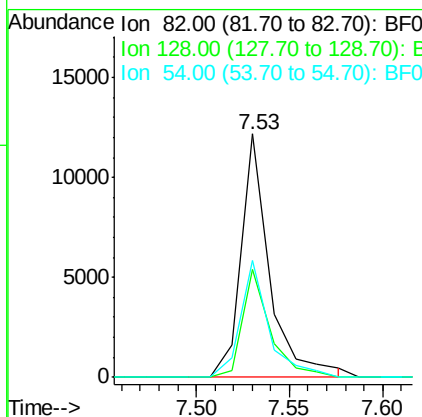
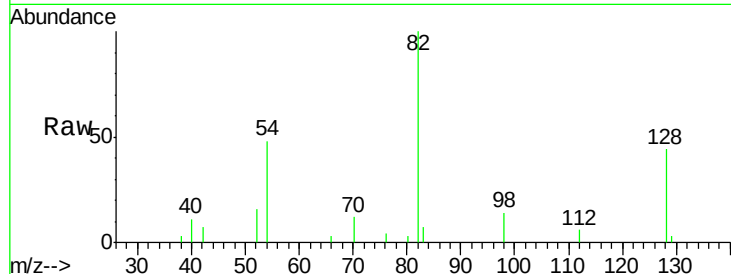
#23
 Nitrobenzene-d5
 Concen: 4.87 ng
 RT: 7.53 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	13031		
128	44.1	31.8	47.8	
54	48.0	41.5	62.3	

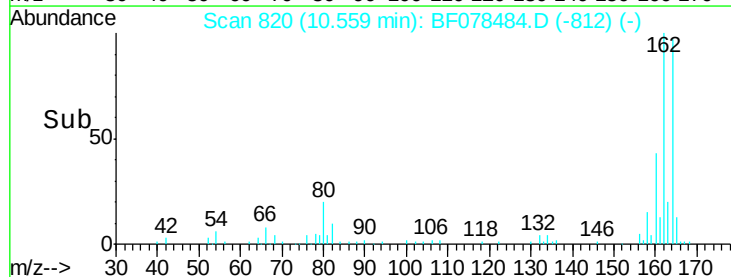
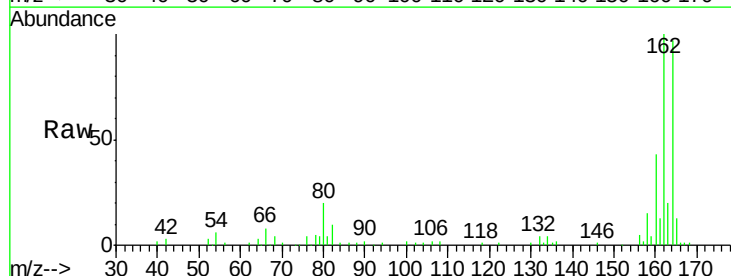
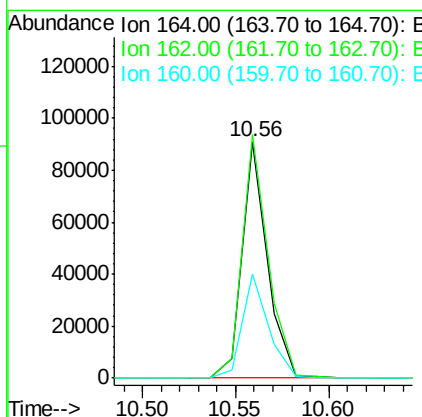
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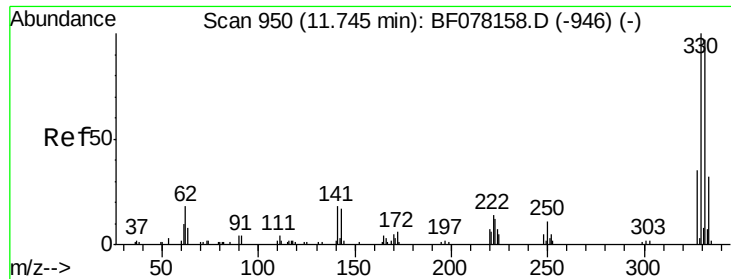
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85759		
162	102.9	82.2	123.2	
160	43.9	34.7	52.1	





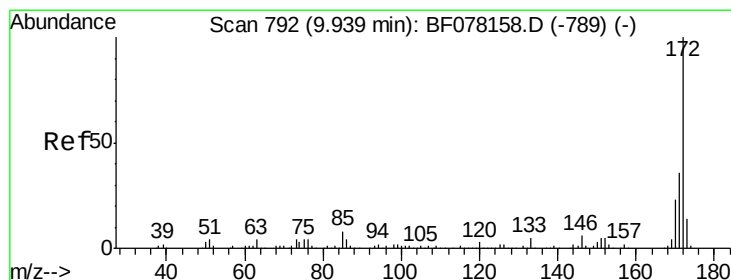
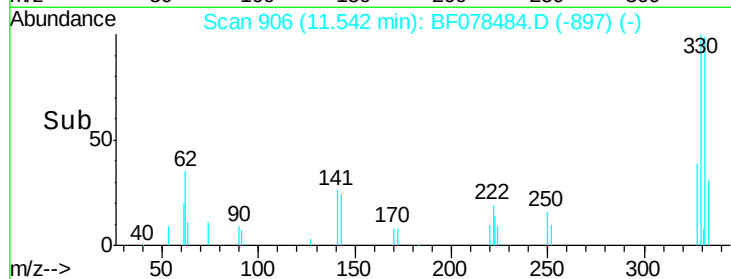
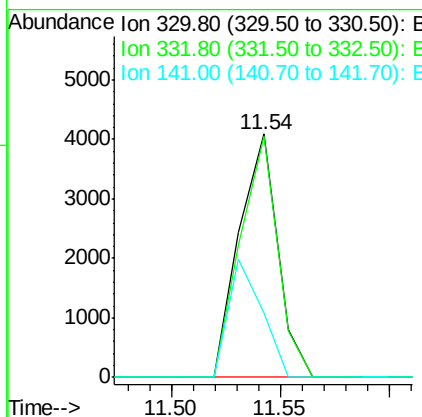
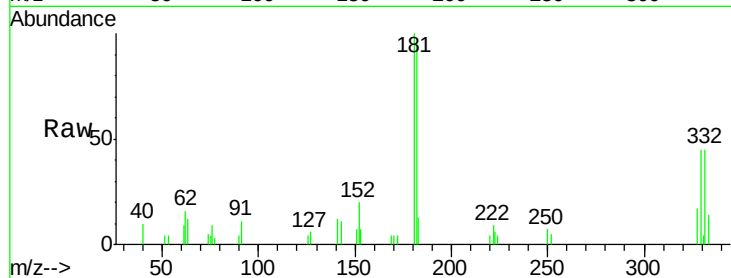
#41
 2,4,6-Tribromophenol
 Concen: 7.07 ng
 RT: 11.54 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampled :
 EP-2DL

Tgt Ion:	330	Resp:	5029
Ion Ratio	Lower	Upper	
330	100		
332	96.4	78.6	117.8
141	41.9	31.2	46.8

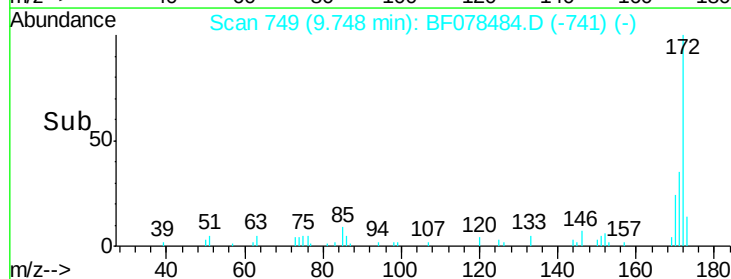
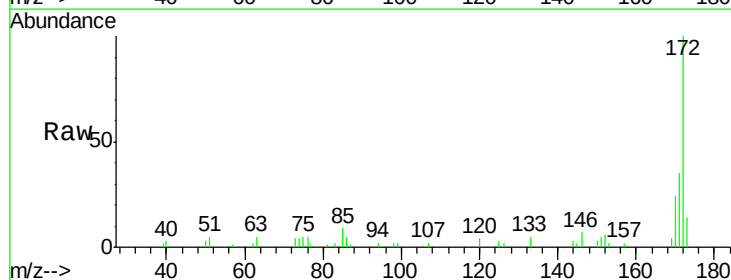
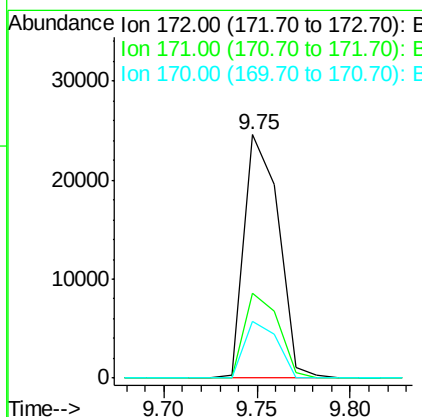
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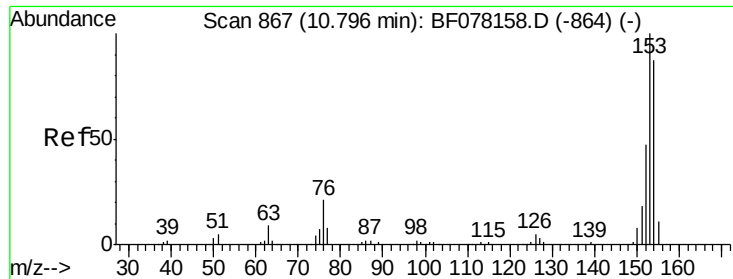
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#44
 2-Fluorobiphenyl
 Concen: 5.25 ng
 RT: 9.75 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Tgt Ion:	172	Resp:	31515
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.6	42.8
170	23.6	18.5	27.7





#51

Acenaphthene

Concen: 2.36 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF078484.D

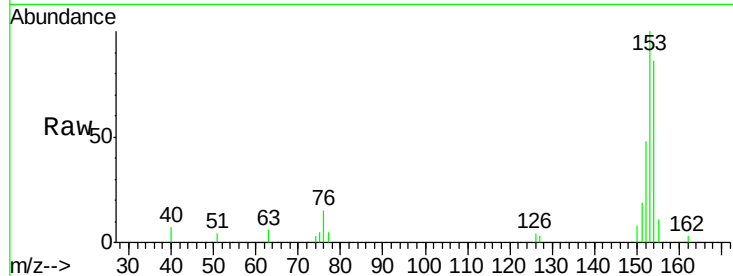
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Instrument :

BNA_F

ClientSampleId :

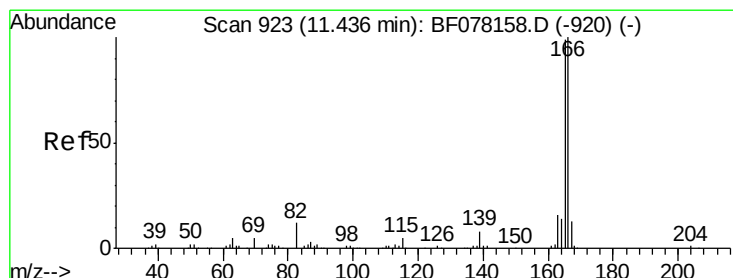
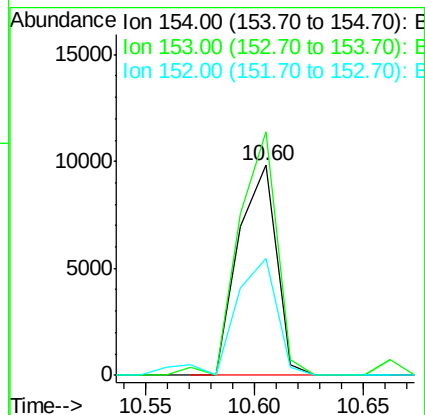
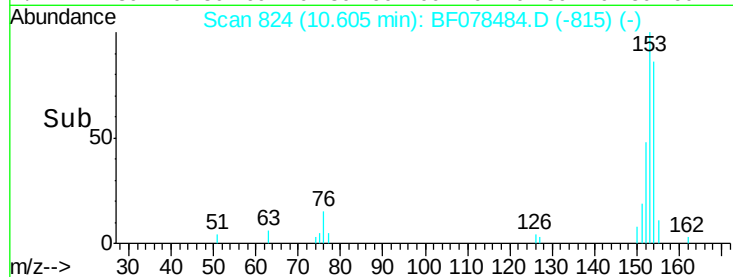
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.4	137.2
152	55.8	43.0	64.6

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#57

Fluorene

Concen: 3.07 ng

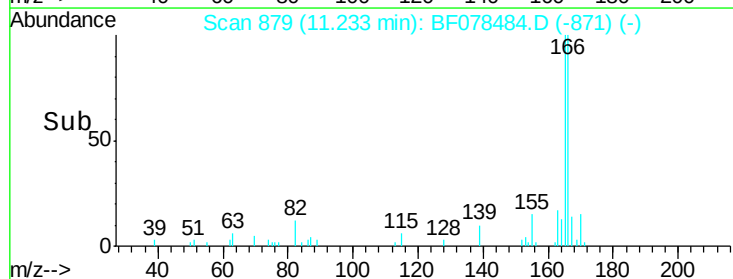
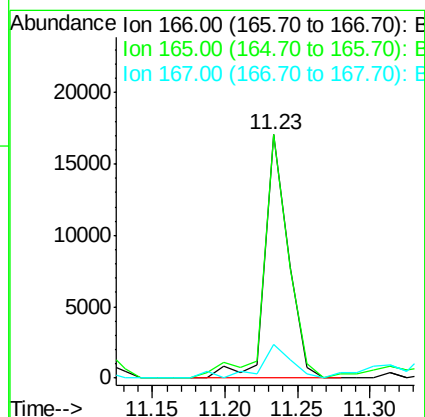
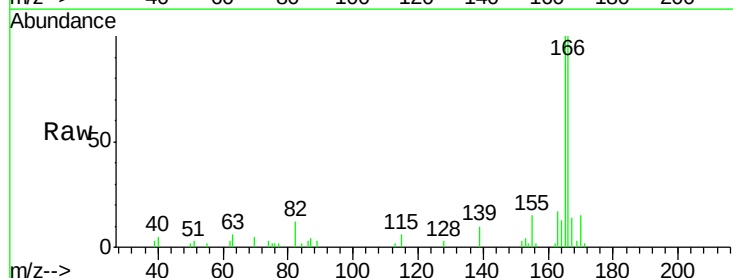
RT: 11.23 min Scan# 879

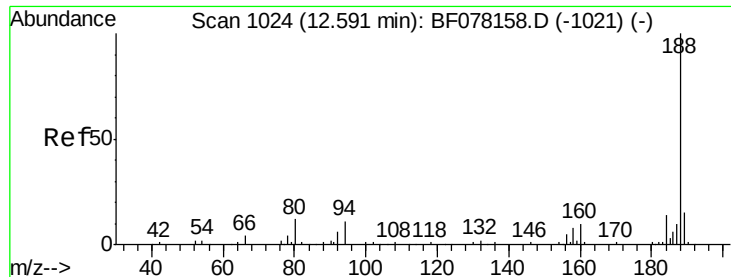
Delta R.T. -0.01 min

Lab File: BF078484.D

Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.9	118.3
167	13.9	10.7	16.1





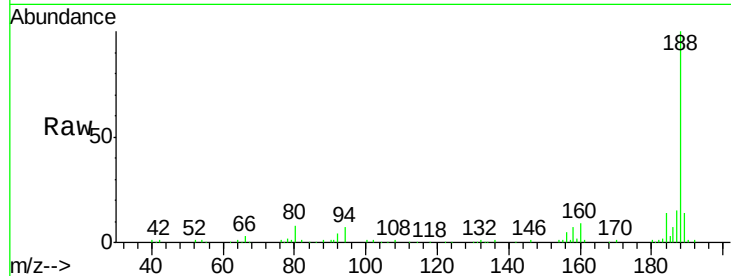
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampleId :
 EP-2DL

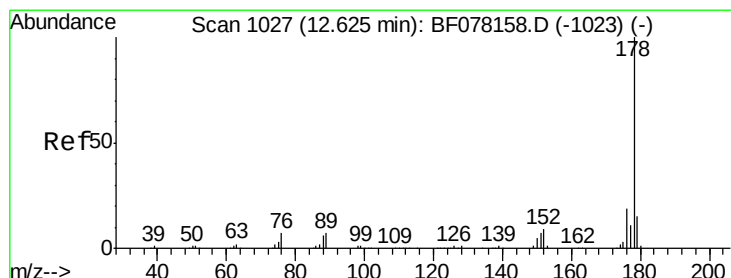
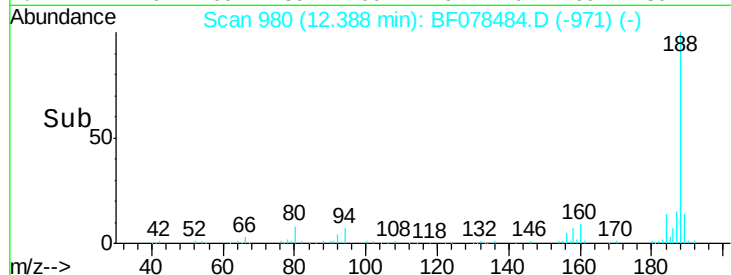
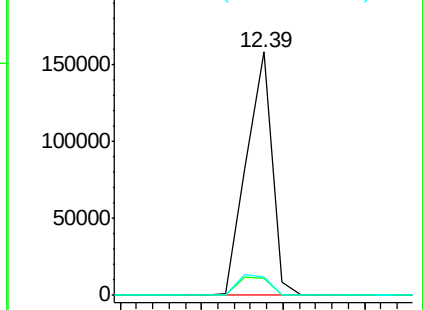
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	9.0	13.4#
80	7.7	9.5	14.3#

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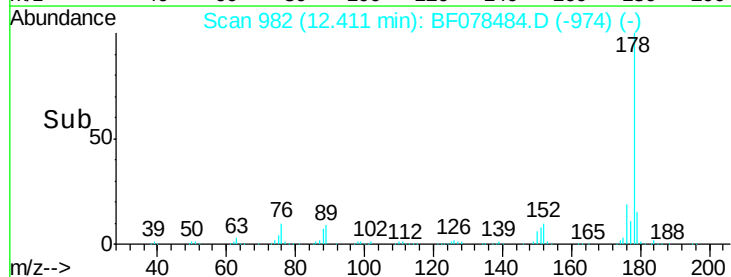
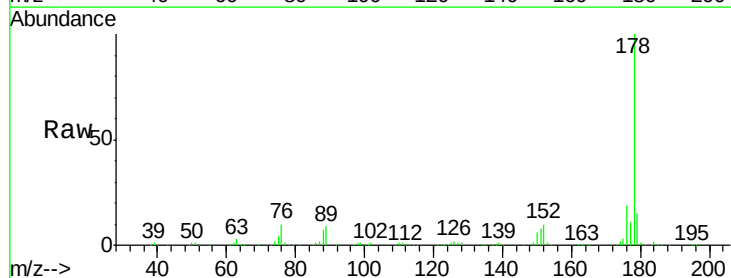
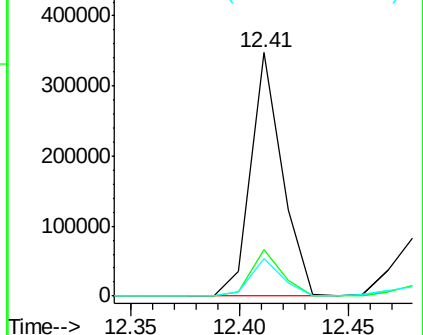
Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

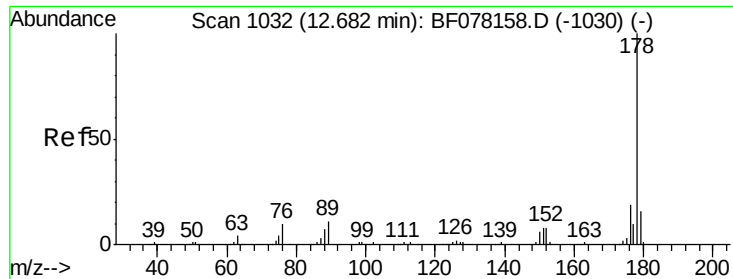


#70
 Phenanthrene
 Concen: 35.15 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.4	23.0
179	15.5	12.2	18.2

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





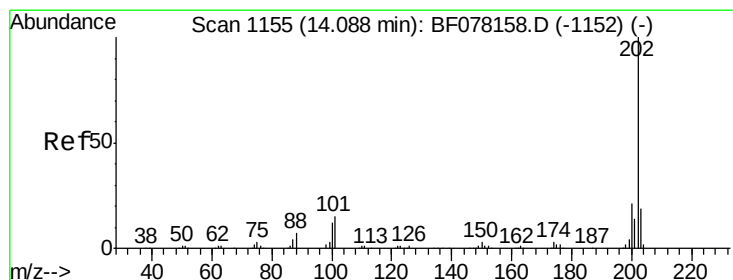
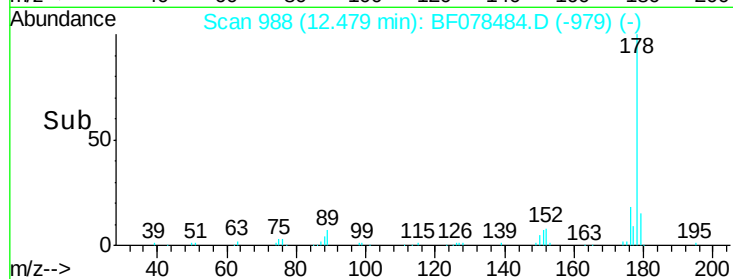
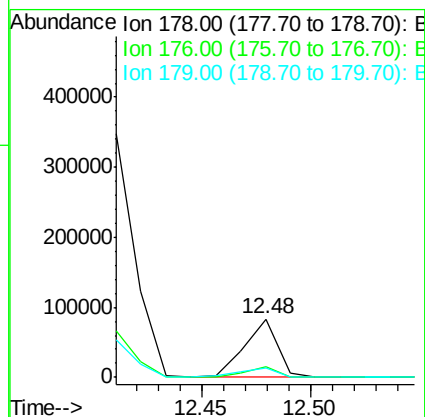
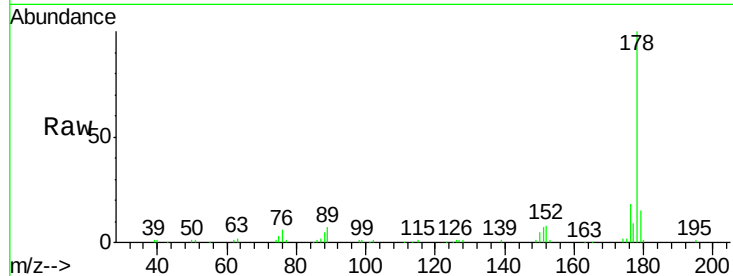
#71
 Anthracene
 Concen: 8.76 ng
 RT: 12.48 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampleId :
 EP-2DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.8	22.2
179	15.1	12.4	18.6

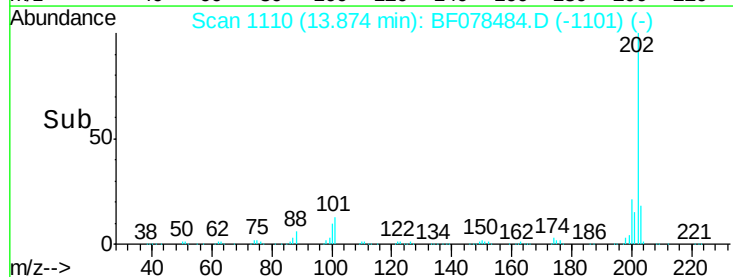
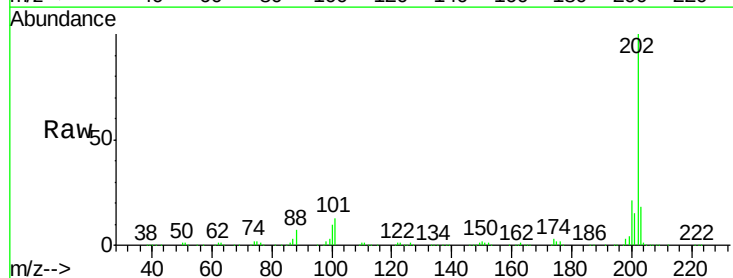
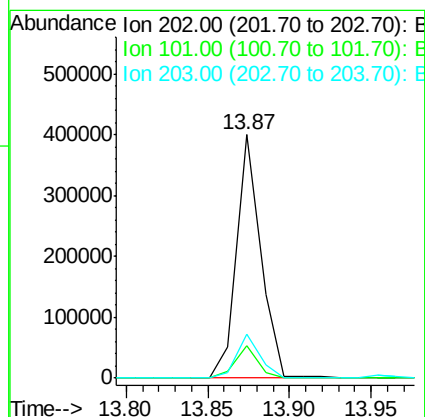
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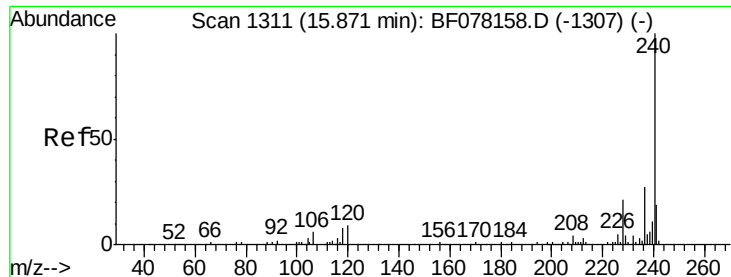
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#74
 Fluoranthene
 Concen: 38.94 ng
 RT: 13.87 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	35.2
203	17.9	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF078484.D

Acq: 14 Apr 2015 4:39

Instrument :

BNA_F

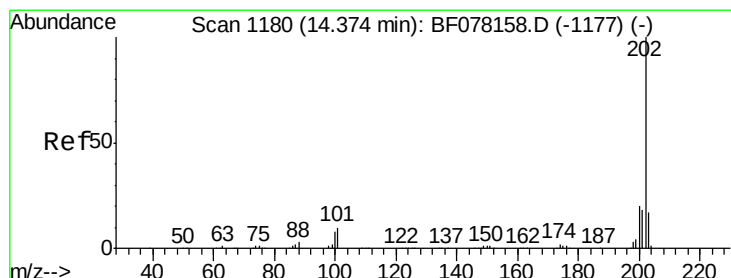
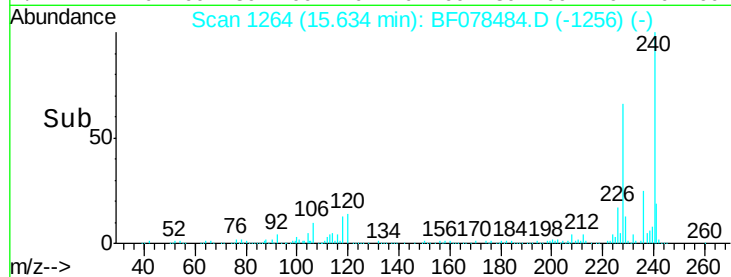
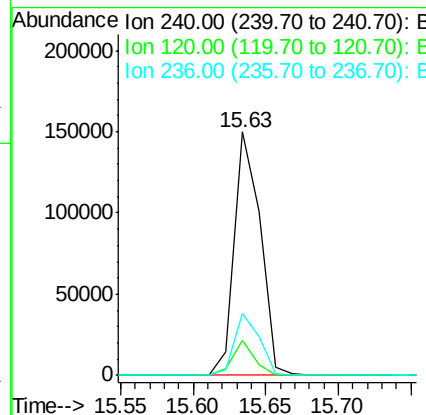
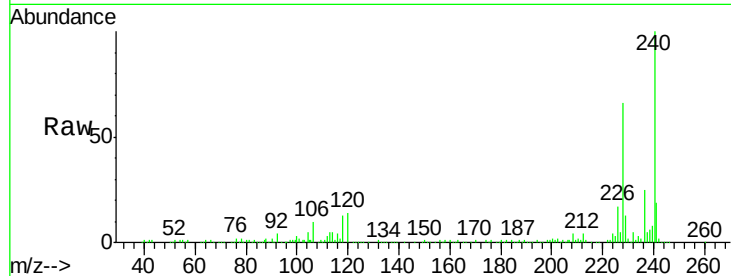
ClientSampleId :

EP-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	186785		
120	14.4	7.1	10.7#	
236	25.3	21.4	32.2	

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#77

Pyrene

Concen: 30.60 ng

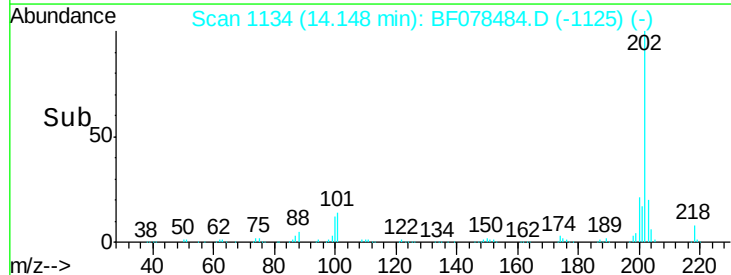
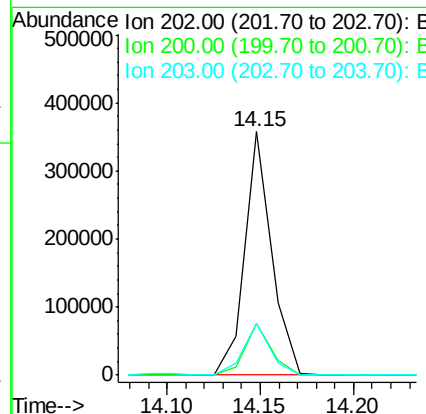
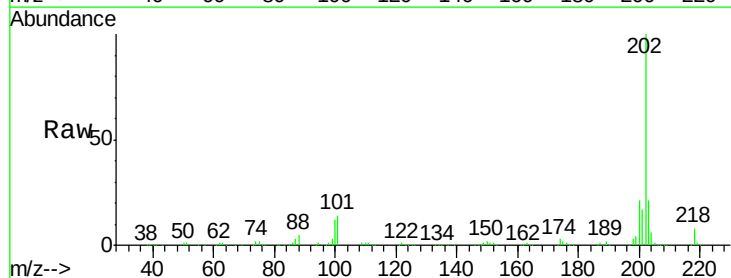
RT: 14.15 min Scan# 1134

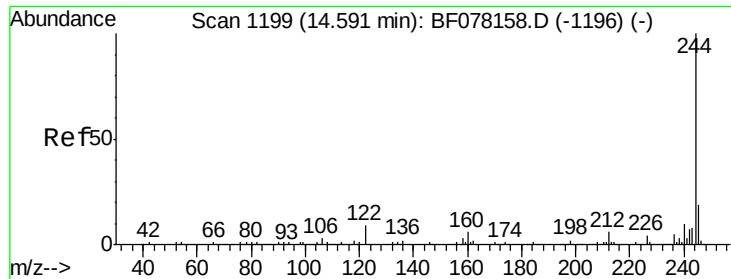
Delta R.T. -0.00 min

Lab File: BF078484.D

Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	358856		
200	21.3	16.3	24.5	
203	21.0	13.8	20.6#	





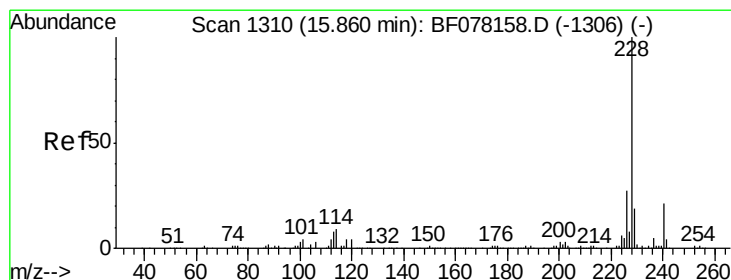
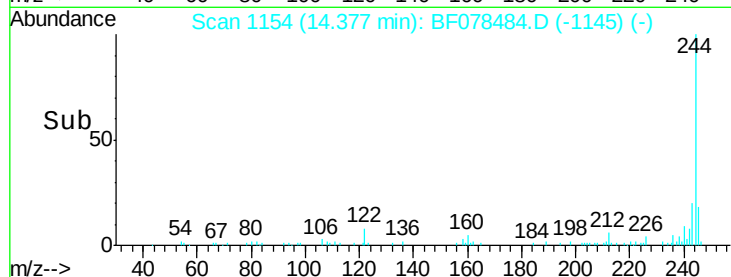
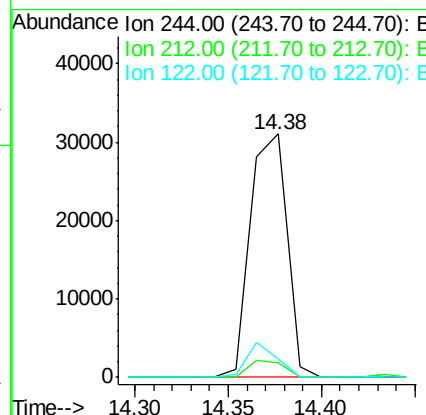
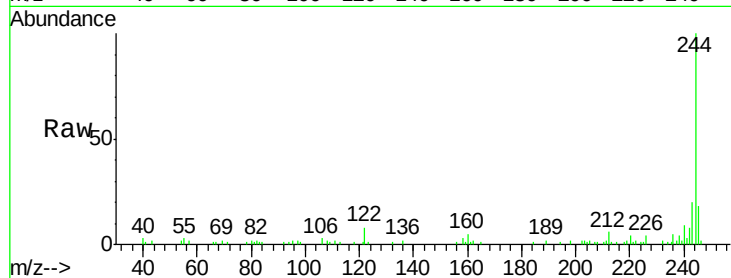
#78
 Terphenyl-d14
 Concen: 5.12 ng
 RT: 14.38 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampleId :
 EP-2DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.0	7.4
122	7.6	7.1	10.7

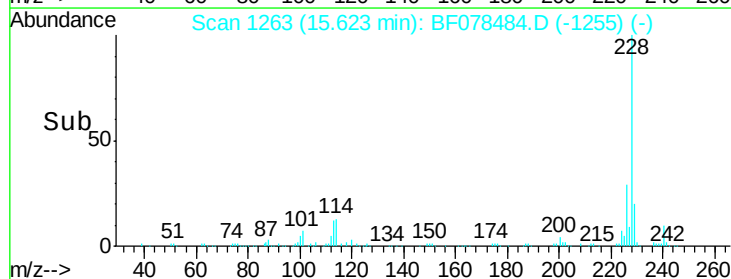
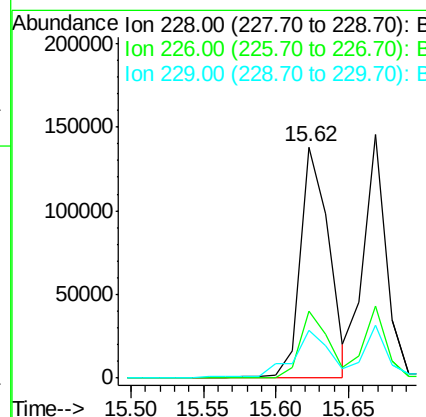
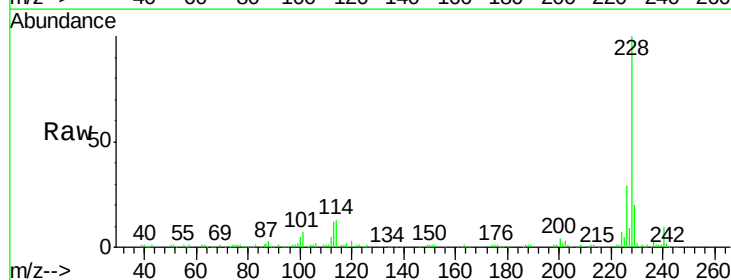
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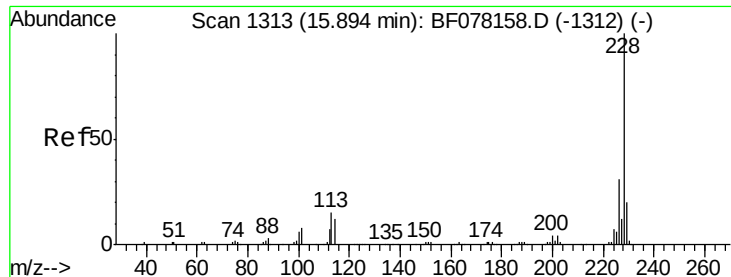
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#80
 Benzo(a)anthracene
 Concen: 17.13 ng
 RT: 15.62 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.3	31.9
229	20.4	15.4	23.2





#82

Chrysene

Concen: 14.93 ng

RT: 15.67 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF078484.D

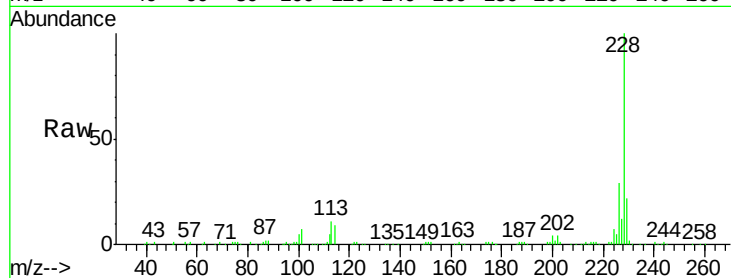
Acq: 14 Apr 2015 4:39

Instrument :

BNA_F

ClientSampleId :

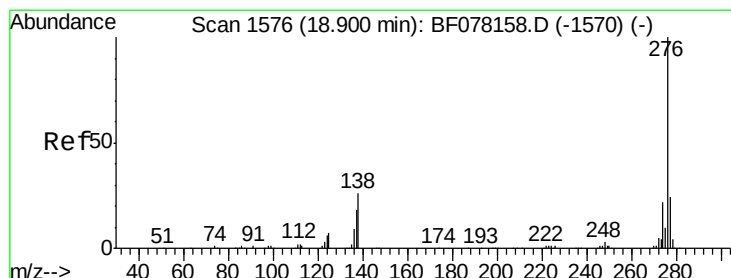
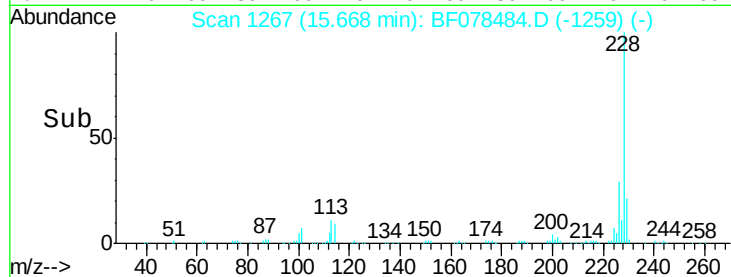
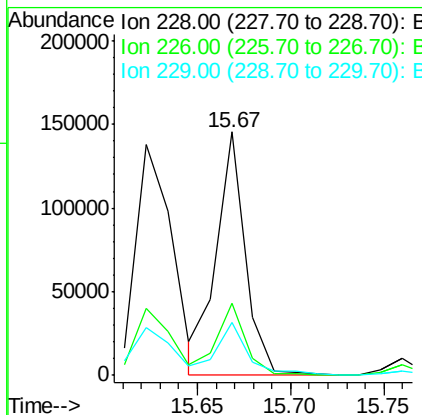
EP-2DL



Tgt Ion:	228	Resp:	155907
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.2	36.4
229	21.8	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.26 ng

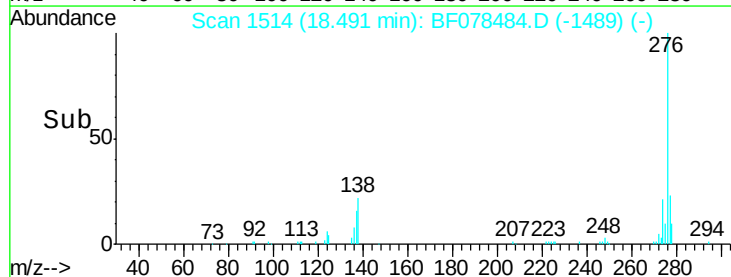
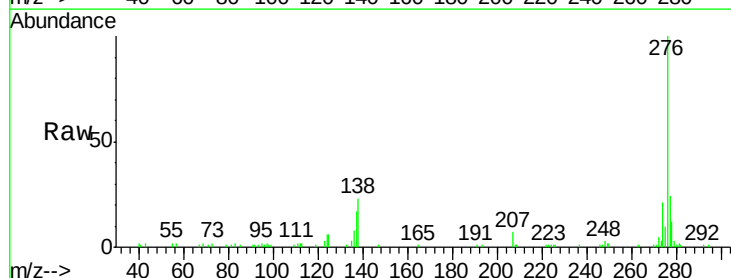
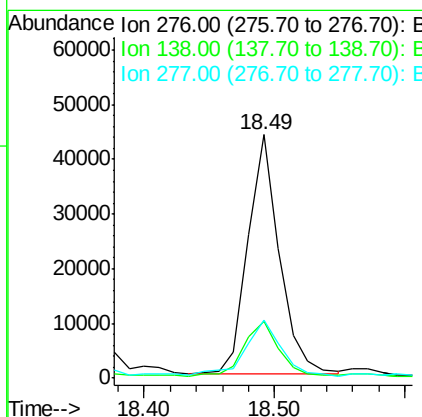
RT: 18.49 min Scan# 1514

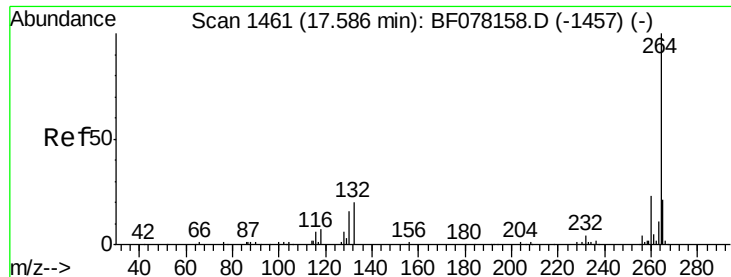
Delta R.T. -0.01 min

Lab File: BF078484.D

Acq: 14 Apr 2015 4:39

Tgt Ion:	276	Resp:	74119
Ion Ratio	Lower	Upper	
276	100		
138	25.2	16.9	25.3
277	26.6	15.8	23.6#





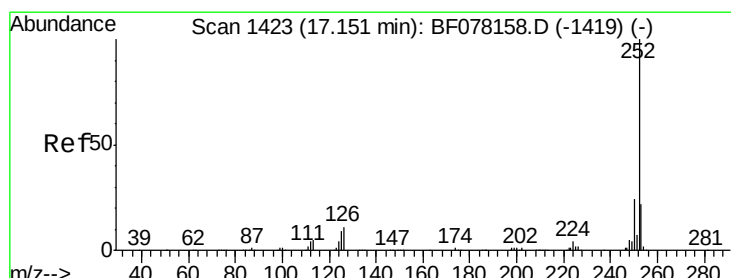
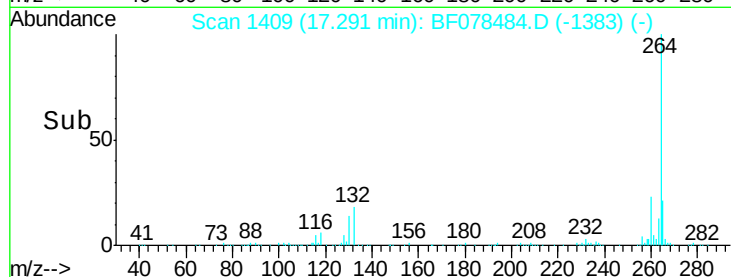
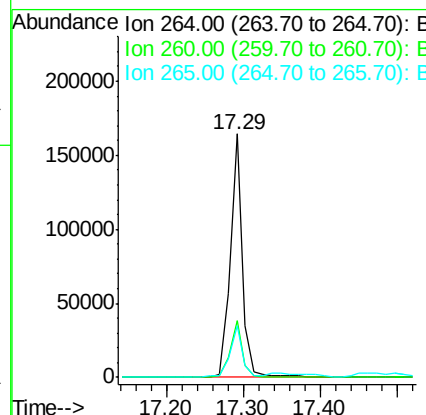
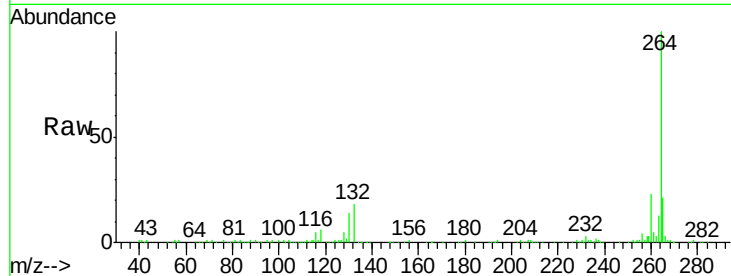
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.29 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BF078484.D
Acq: 14 Apr 2015 4:39

Instrument :
BNA_F
ClientSampleId :
EP-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	185728		
260	23.5	18.6	27.8	
265	21.3	17.0	25.6	

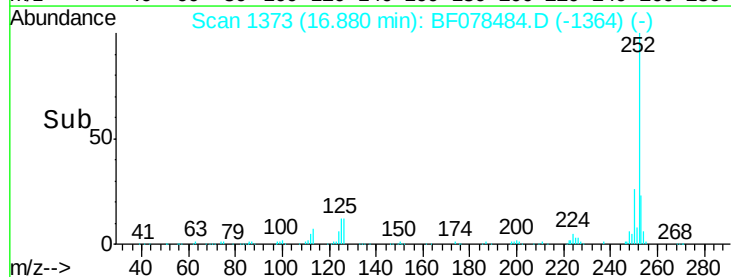
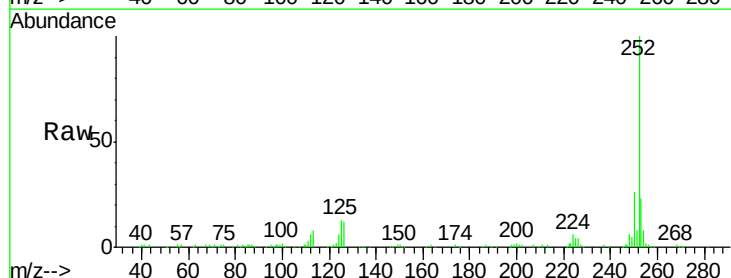
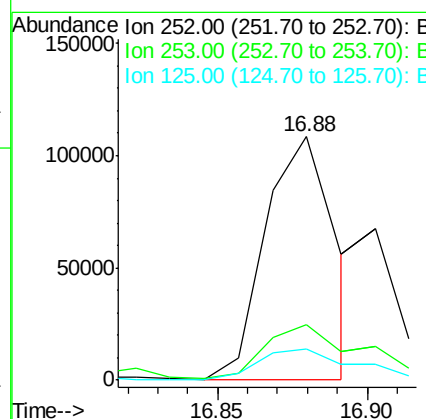
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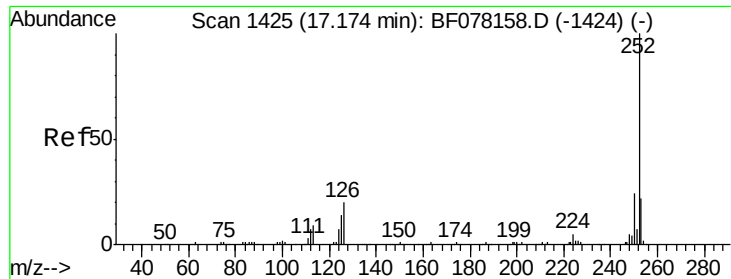
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#87
Benzo(b)fluoranthene
Concen: 15.47 ng m
RT: 16.88 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BF078484.D
Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	177631		
253	23.0	17.2	25.8	
125	12.5	7.0	10.4#	





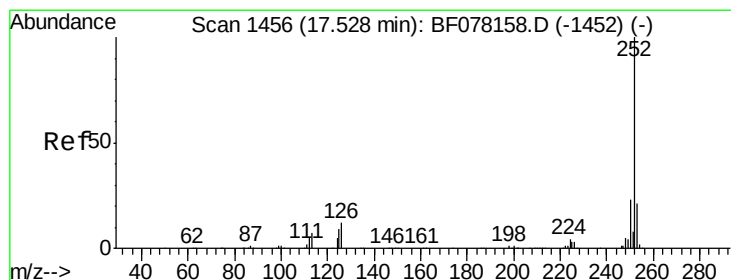
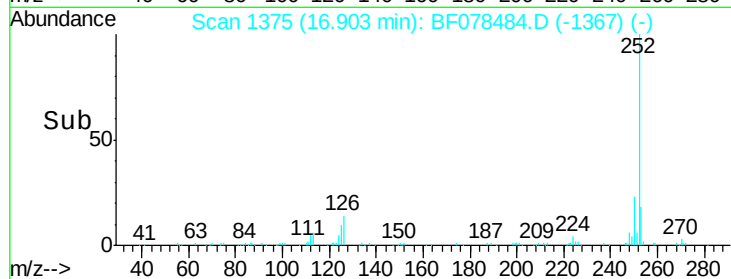
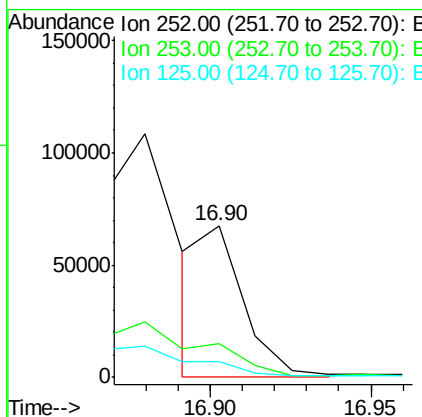
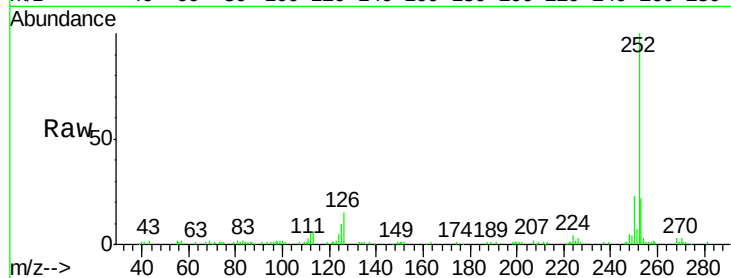
#88
Benzo(k)fluoranthene
Concen: 6.08 ng m
RT: 16.90 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF078484.D
Acq: 14 Apr 2015 4:39

Instrument :
BNA_F
ClientSampled :
EP-2DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	11.6	17.4

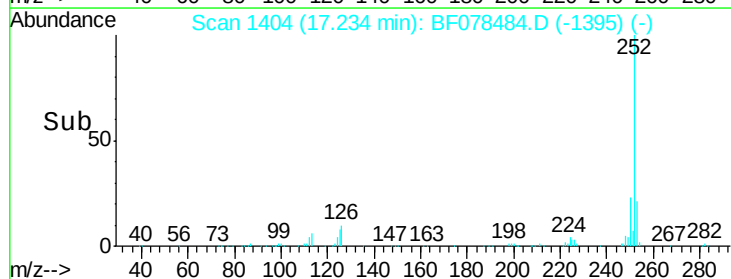
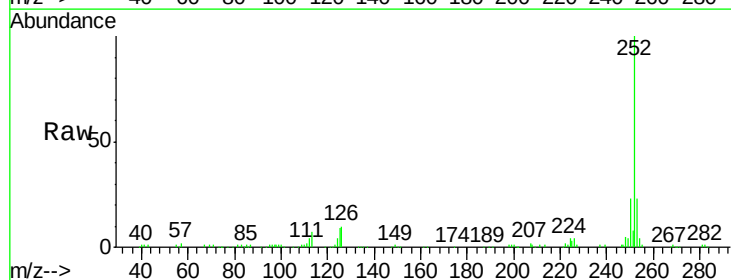
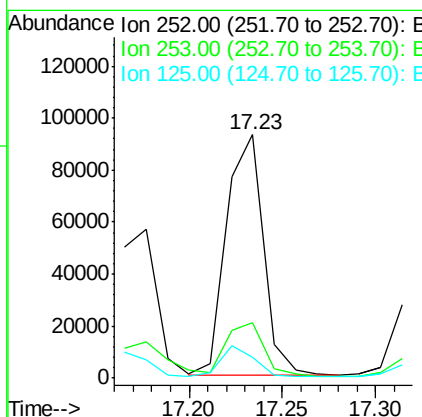
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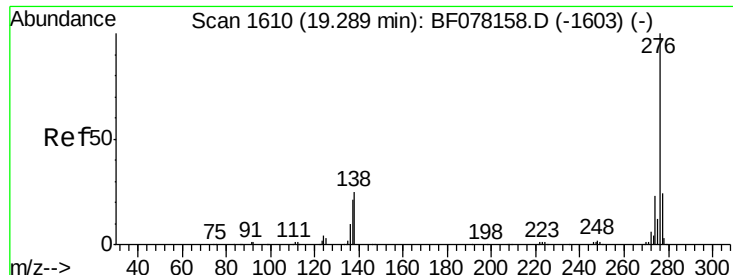
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4/14/2015 5:25:38 PM



#89
Benzo(a)pyrene
Concen: 12.81 ng
RT: 17.23 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BF078484.D
Acq: 14 Apr 2015 4:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.8	25.2
125	8.5	7.4	11.0





#91
 Benzo(g,h,i)perylene
 Concen: 6.95 ng
 RT: 18.83 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF078484.D
 Acq: 14 Apr 2015 4:39

Instrument :
 BNA_F
 ClientSampleId :
 EP-2DL

Tgt Ion:	276	Resp:	69858
Ion Ratio	Lower	Upper	
276	100		
277	22.7	19.0	28.4
138	23.3	19.9	29.9

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