

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078969.D
 Acq On : 6 May 2015 19:25
 Operator : TP/IZ
 Sample : G2114-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Manual Integrations
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Quant Time: May 07 12:31:16 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69095	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	297062	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	141547	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	296070	20.00	ng	0.00
75) Chrysene-d12	16.24	240	323370m	20.00	ng	-0.07
86) Perylene-d12	17.99	264	365309	20.00	ng	-0.24
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	204438	50.93	ng	0.01
7) Phenol-d6	6.90	99	282287	53.20	ng	0.01
23) Nitrobenzene-d5	8.03	82	154255	29.84	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	81727	53.37	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	319721	31.47	ng	0.00
78) Terphenyl-d14	14.95	244	402292m	29.78	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.92	152	39171	2.72	ng	100
49) Dimethylphthalate	10.78	163	29508	2.84	ng	99
57) Fluorene	11.78	166	24234	2.38	ng	98
70) Phenanthrene	12.98	178	342748	20.69	ng	99
71) Anthracene	13.04	178	104069	6.40	ng	98
74) Fluoranthene	14.46	202	653182	37.85	ng	99
77) Pyrene	14.74	202	742971m	39.87	ng	
80) Benzo(a)anthracene	16.23	228	437249	24.69	ng	97
82) Chrysene	16.27	228	376685	22.12	ng	97
85) Indeno(1,2,3-cd)pyrene	19.47	276	181398m	8.36	ng	
87) Benzo(b)fluoranthene	17.53	252	447979m	22.40	ng	
88) Benzo(k)fluoranthene	17.57	252	104724m	5.41	ng	
89) Benzo(a)pyrene	17.92	252	327319	17.78	ng	99
90) Dibenzo(a,h)anthracene	19.50	278	47511	2.43	ng	# 85
91) Benzo(a,h,i)perylene	19.92	276	180463	9.20	ng	98

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

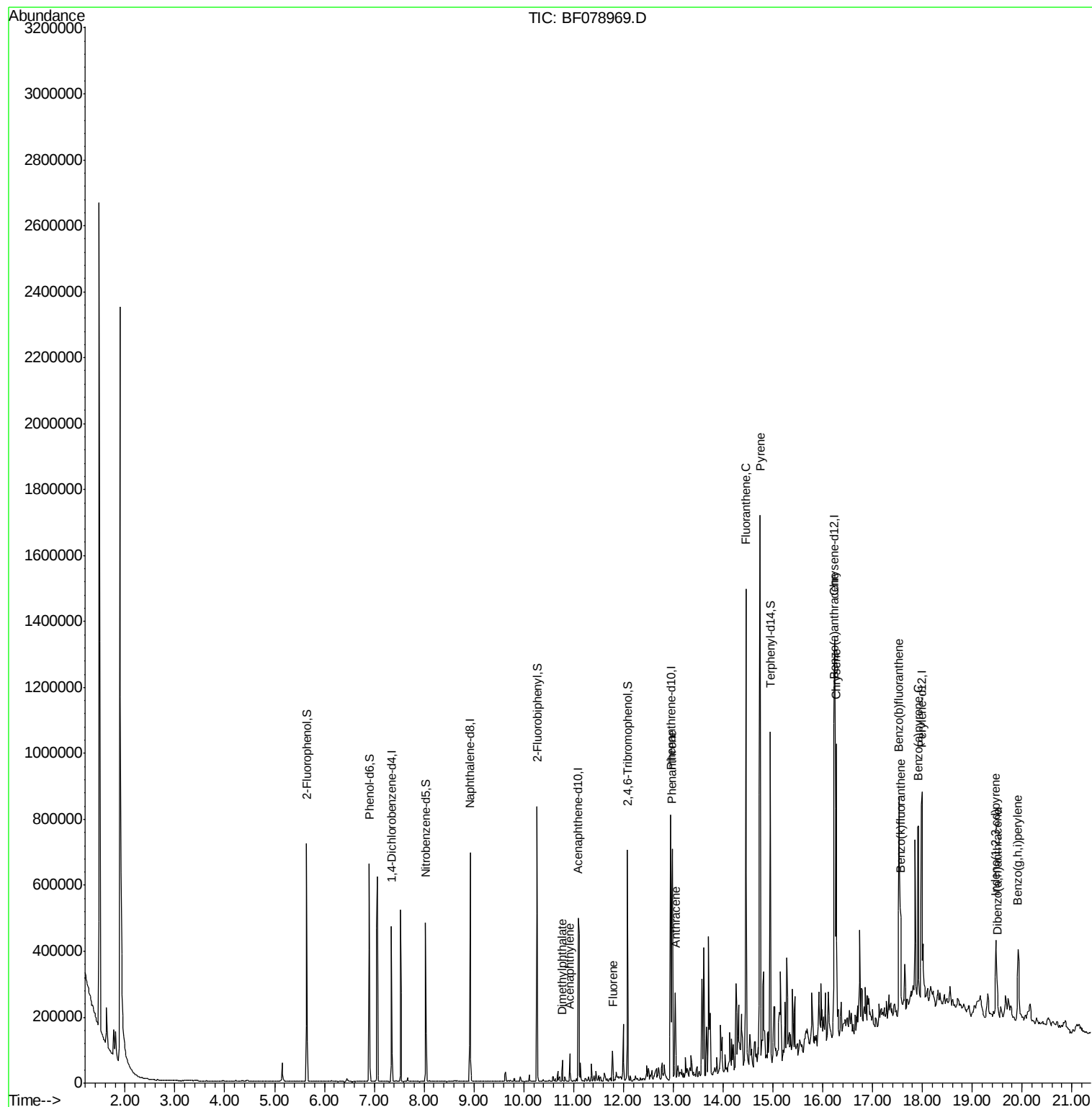
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
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#1

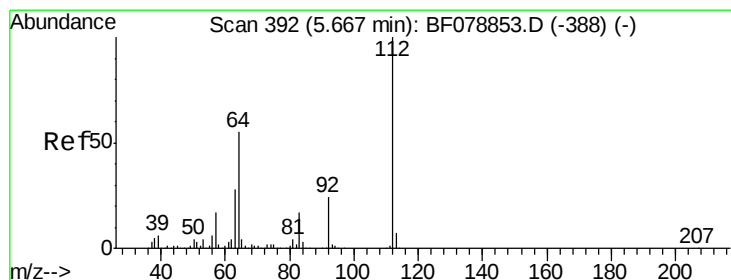
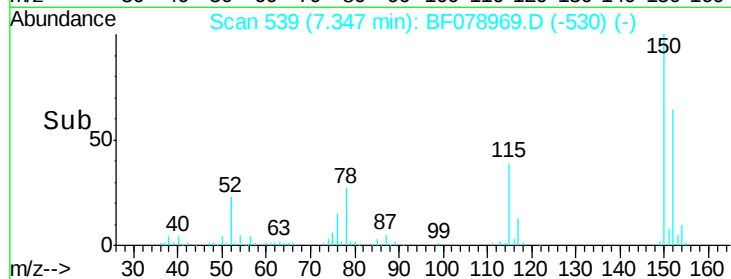
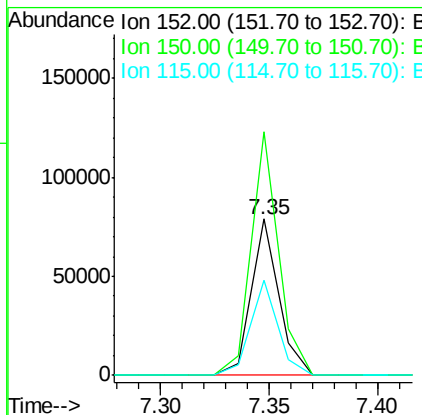
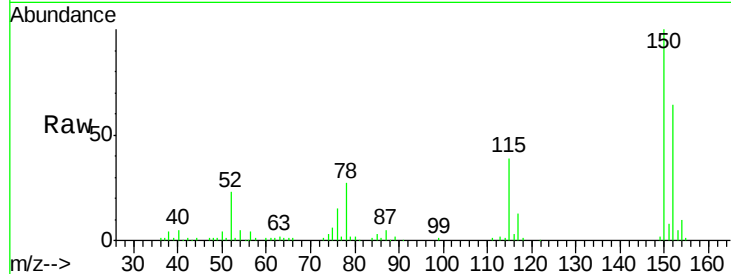
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

Instrument :
BNA_F
ClientSampleId :
GRID-2(6-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.0	183.0
115	61.0	46.3	69.5

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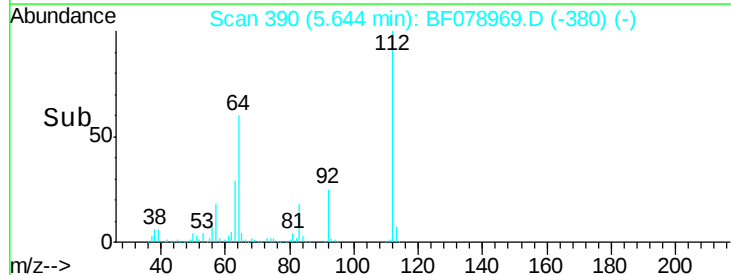
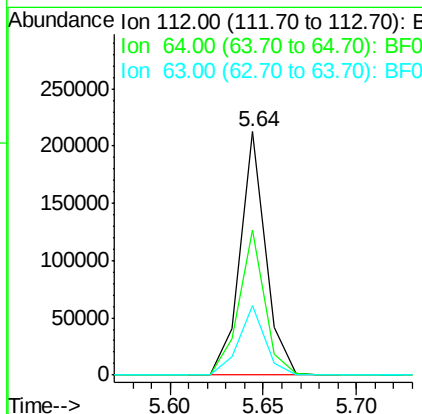
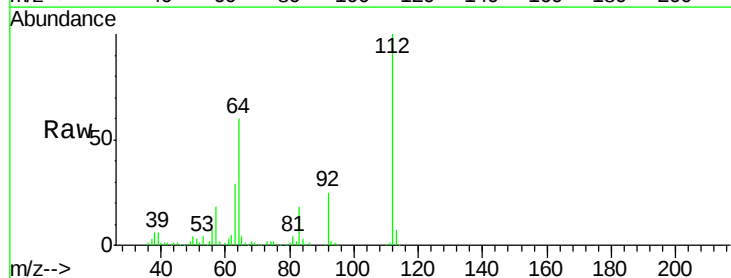
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#5

2-Fluorophenol
Concen: 50.93 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	53.5	80.3
63	28.7	27.5	41.3





#7

Phenol-d6

Concen: 53.20 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

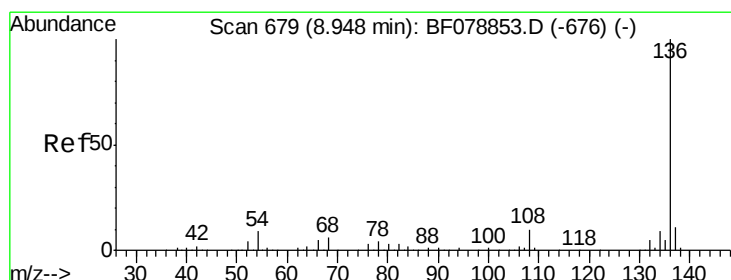
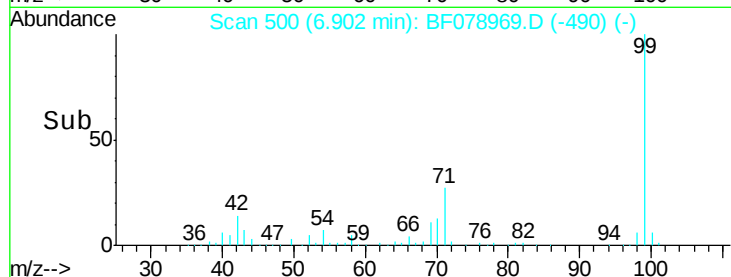
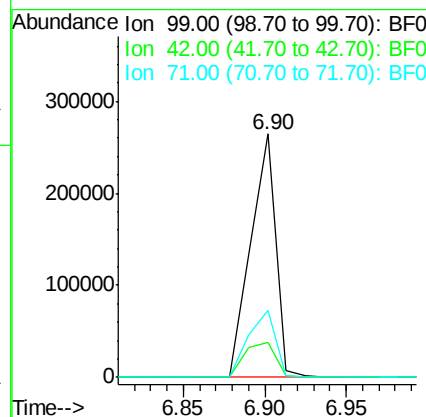
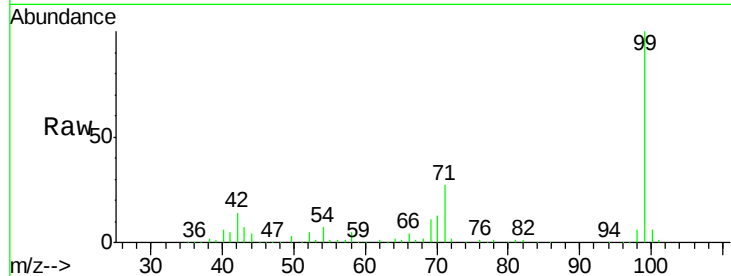
ClientSampleId :

GRID-2(6-12)

Tot Ion:	99	Resp:	282287
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.8	19.2
71	27.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

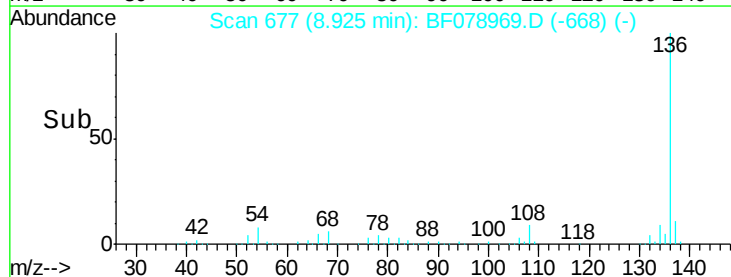
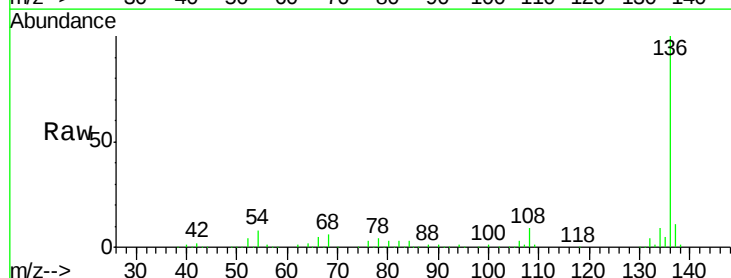
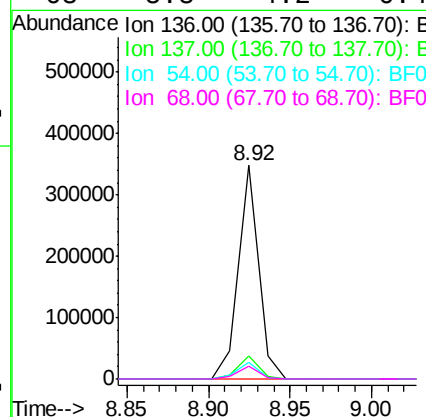
RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion:	136	Resp:	297062
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.8	5.8	8.8
68	5.8	4.2	6.4





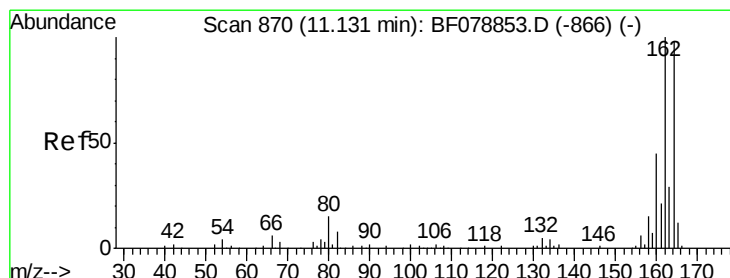
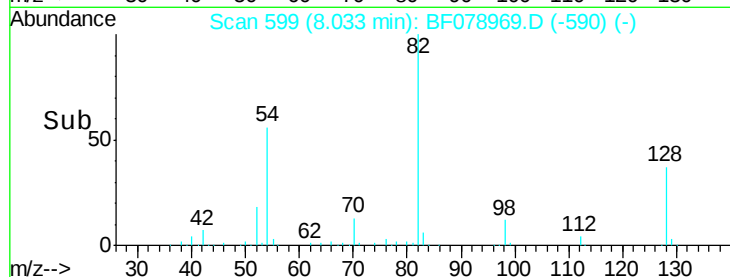
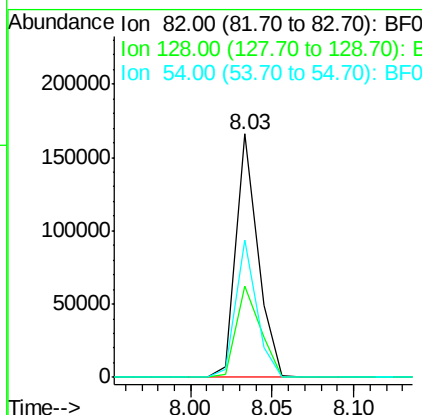
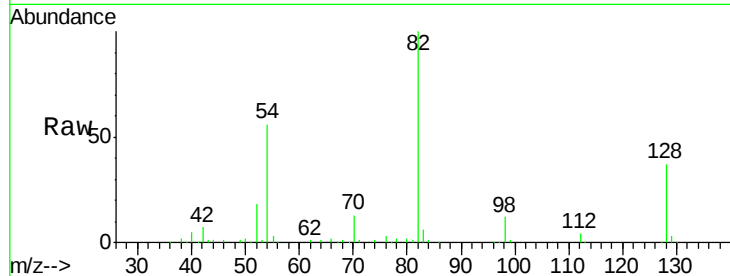
#23
 Nitrobenzene-d5
 Concen: 29.84 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tot Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	37.3	30.0	45.0
54	56.3	46.4	69.6

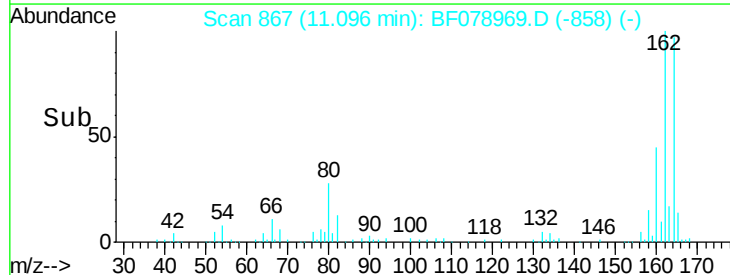
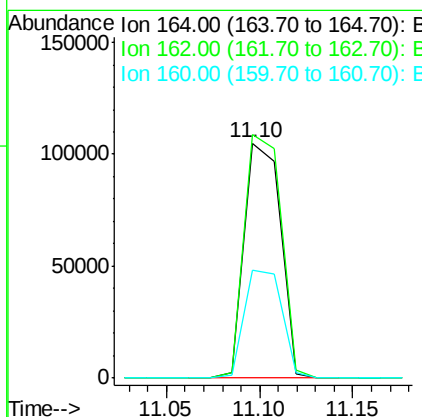
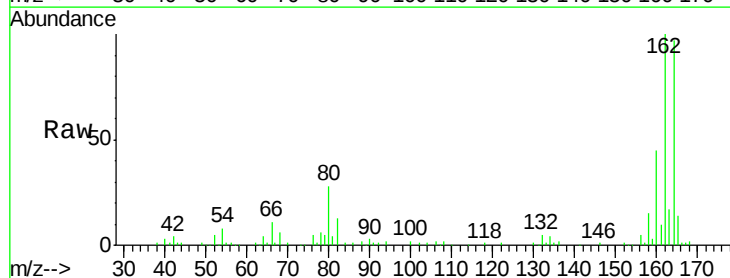
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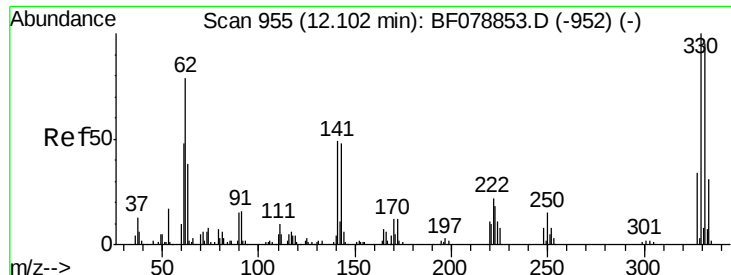
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	103.6	82.7	124.1
160	46.2	35.8	53.8





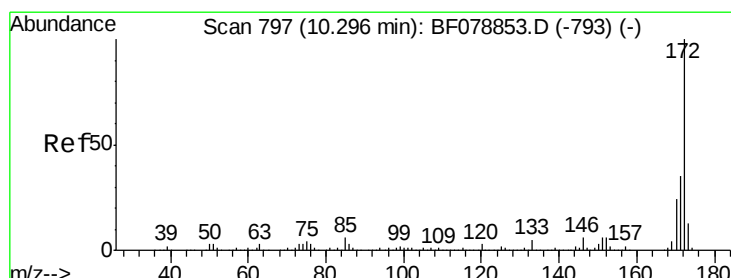
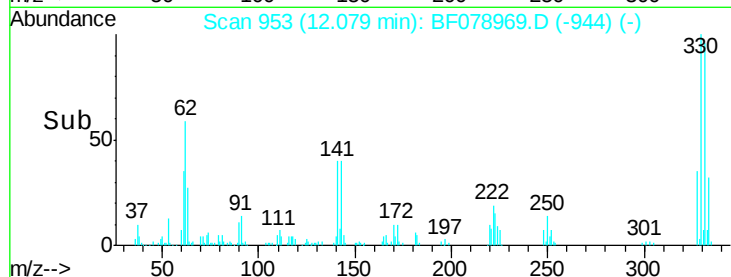
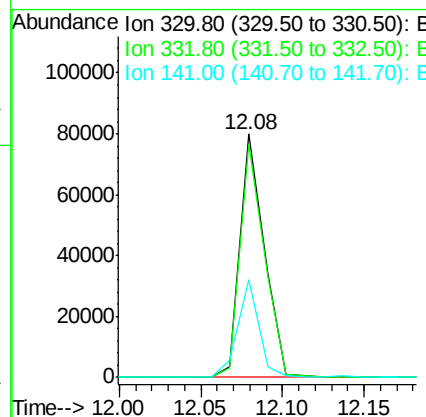
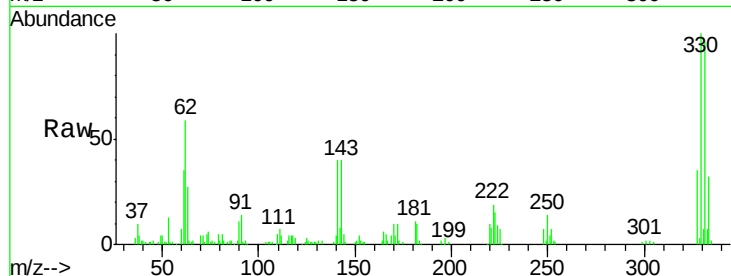
#41
 2,4,6-Tribromophenol
 Concen: 53.37 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	81727		
332	95.9	0.0	0.0	0.0
141	35.3	0.0	0.0	0.0

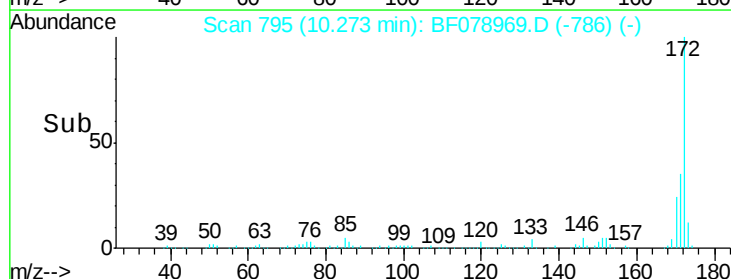
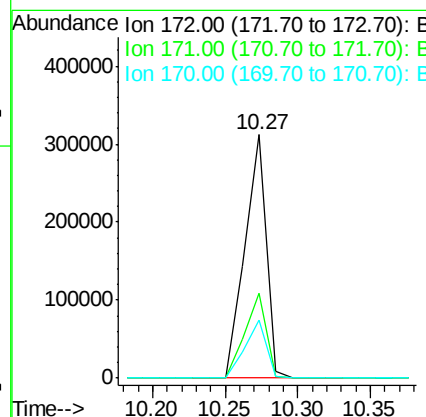
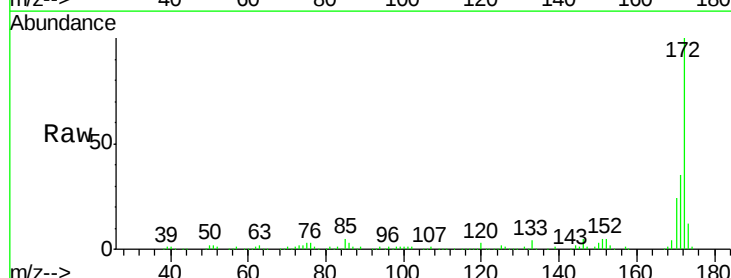
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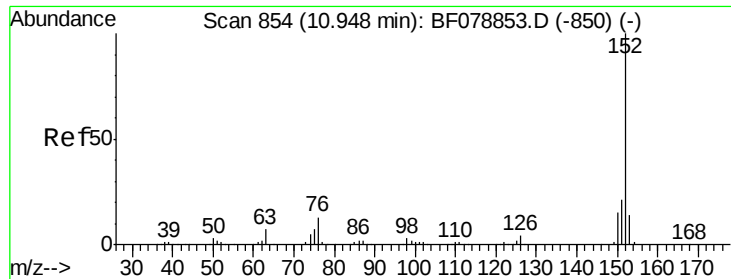
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#44
 2-Fluorobiphenyl
 Concen: 31.47 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	319721		
171	35.0	27.9	41.9	
170	23.7	19.4	29.0	





#48

Acenaphthylene

Concen: 2.72 ng

RT: 10.92 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

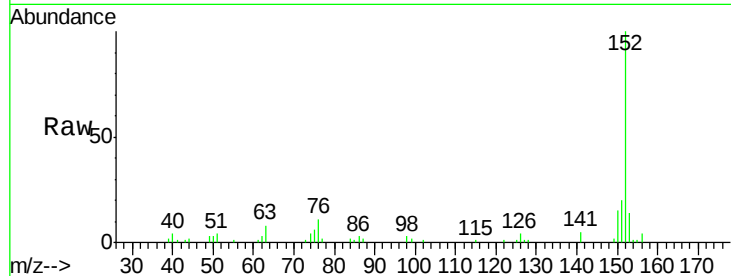
ClientSampleId :

GRID-2(6-12)

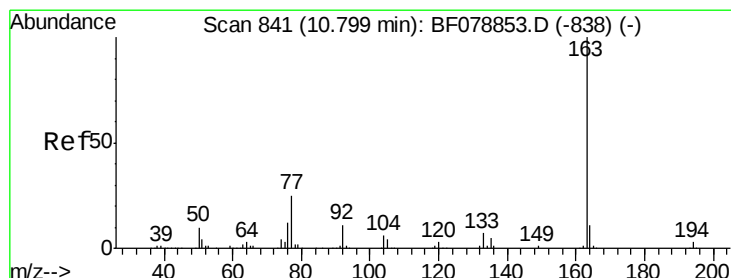
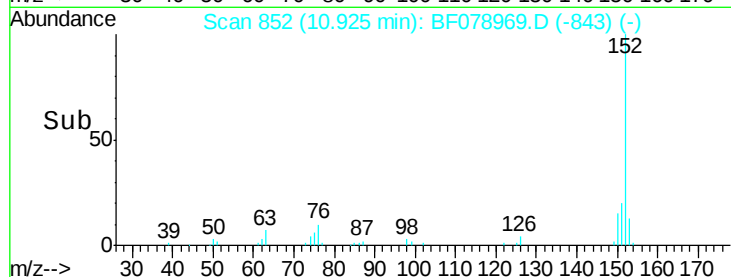
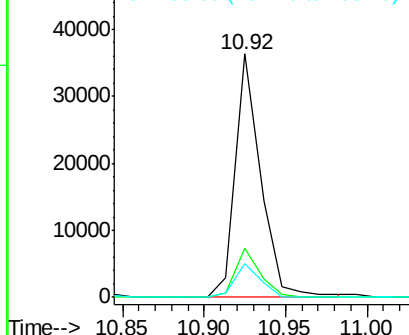
Tot Ion:	152	Resp:	39171
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	13.7	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.84 ng

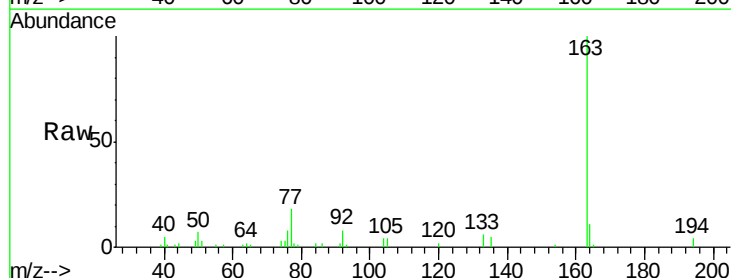
RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

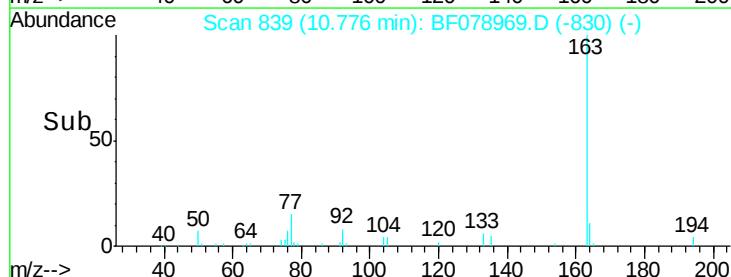
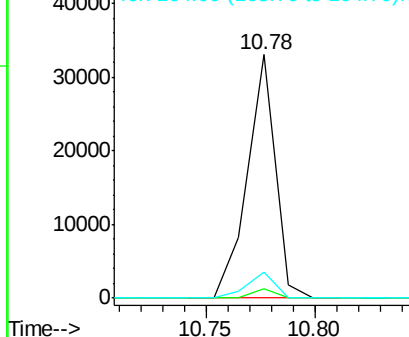
Lab File: BF078969.D

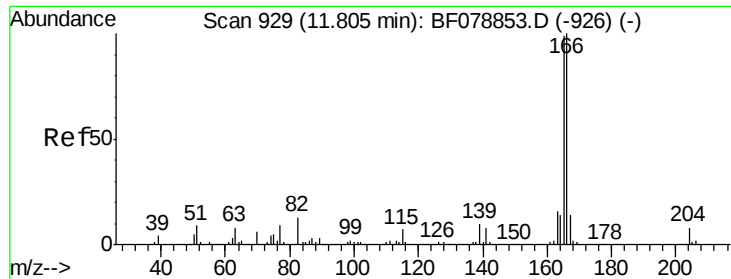
Acq: 6 May 2015 19:25

Tgt Ion:	163	Resp:	29508
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.6	4.0
164	10.5	8.1	12.1



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





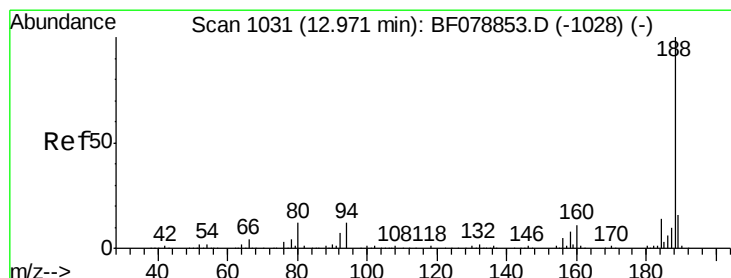
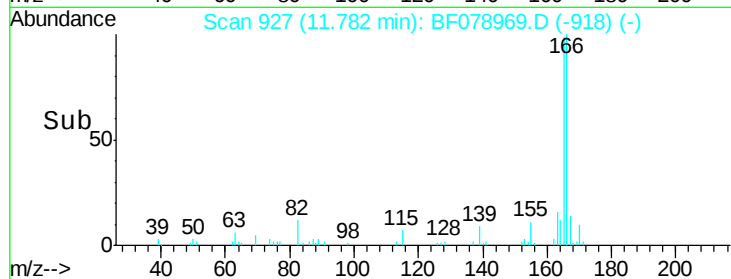
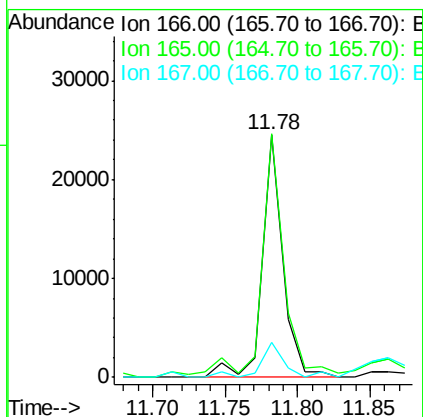
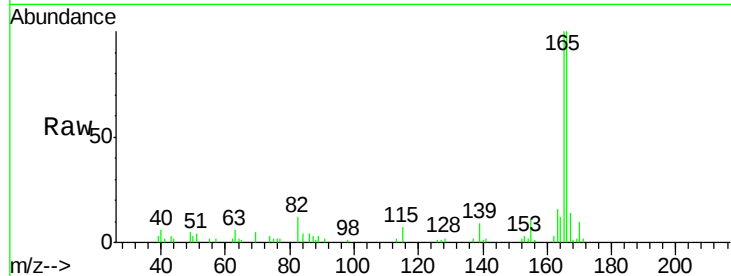
#57
Fluorene
 Concen: 2.38 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		24234		
165	100.3	78.5	117.7		
167	14.5	11.0	16.6		

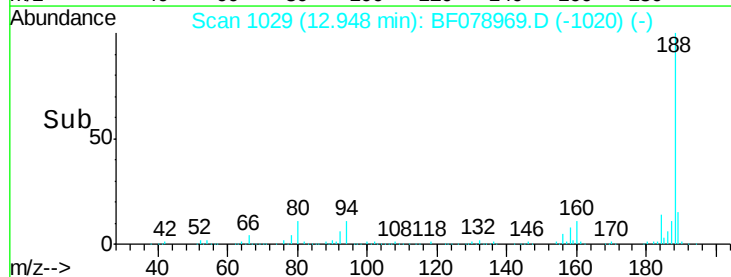
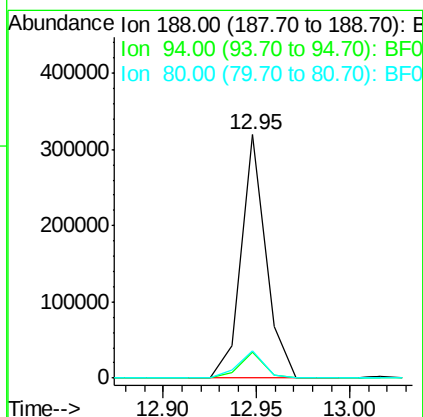
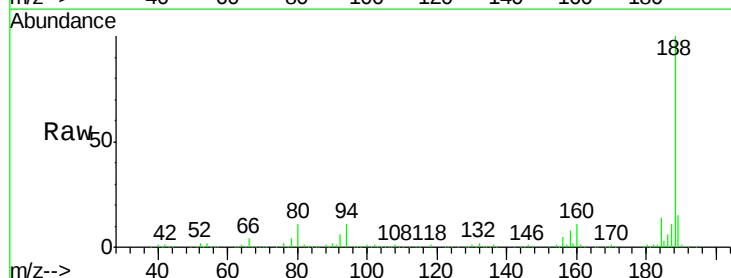
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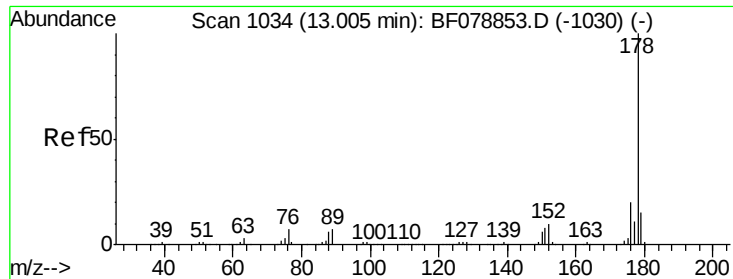
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		296070		
94	10.7	8.2	12.2		
80	11.3	8.9	13.3		





#70

Phenanthrene

Concen: 20.69 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

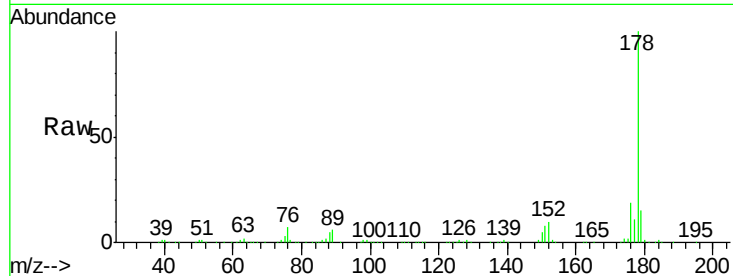
ClientSampleId :

GRID-2(6-12)

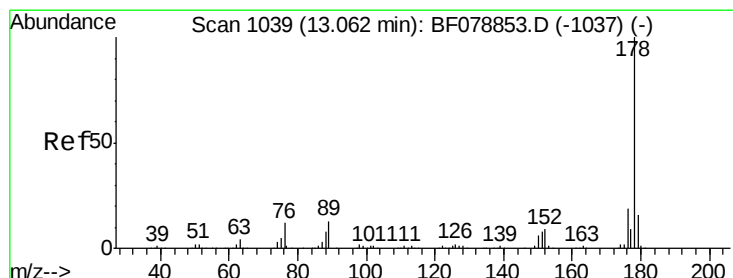
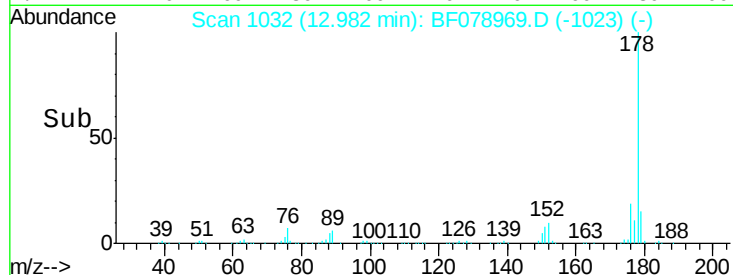
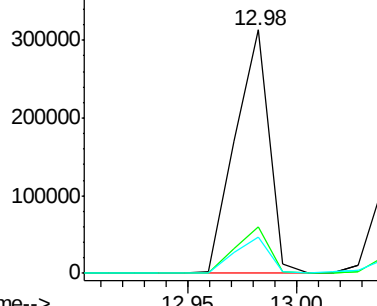
Tot Ion:	178	Resp:	342748
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.0	12.5	18.7

Manual Integrations
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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: 6.40 ng

RT: 13.04 min Scan# 1037

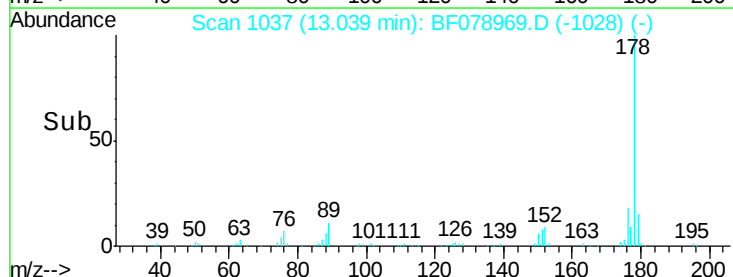
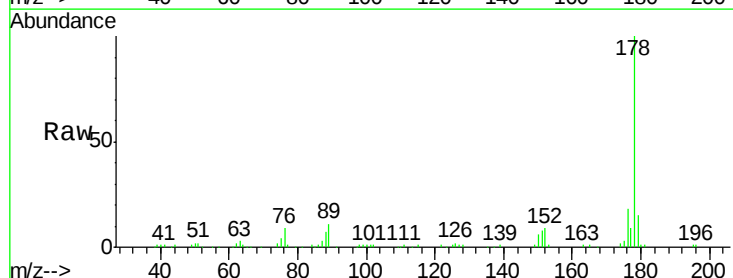
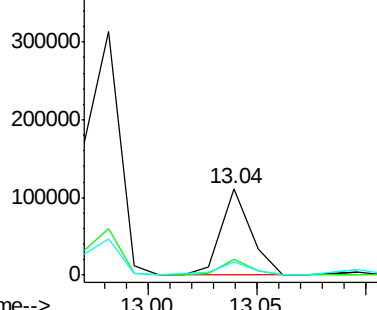
Delta R.T. 0.00 min

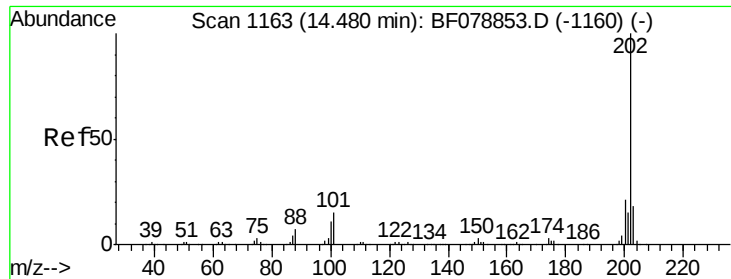
Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion:	178	Resp:	104069
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.5	23.3
179	15.5	12.7	19.1

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





#74

Fluoranthene

Concen: 37.85 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

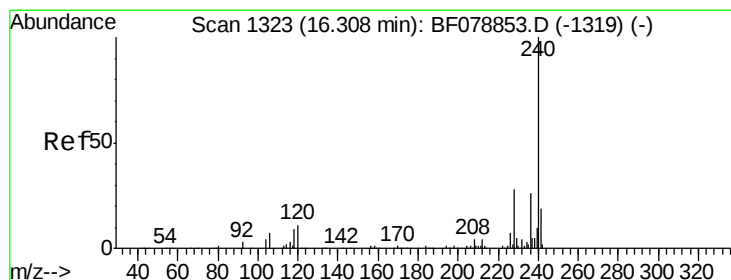
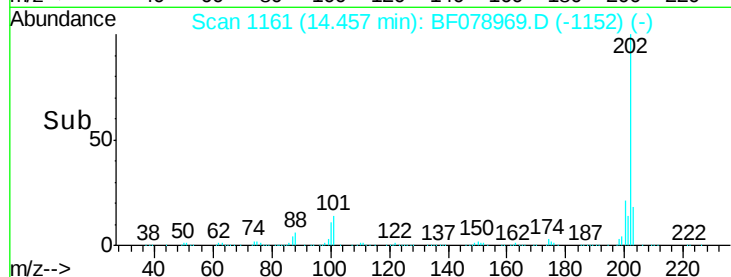
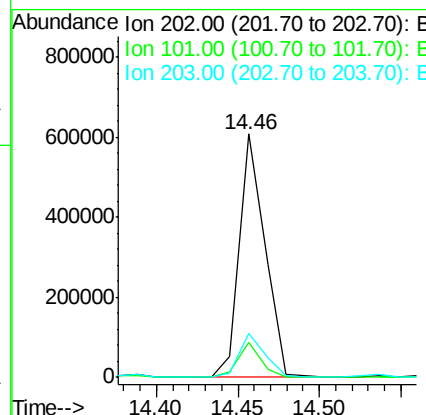
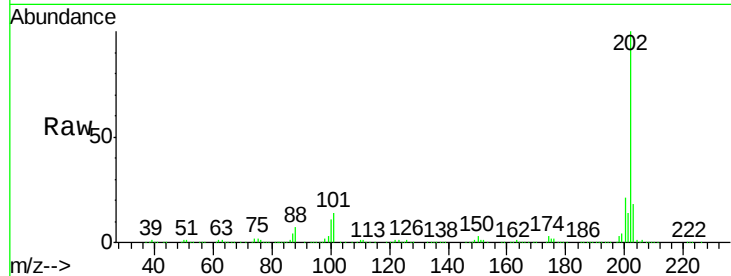
ClientSampleId :

GRID-2(6-12)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	34.6
203	17.9	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng m

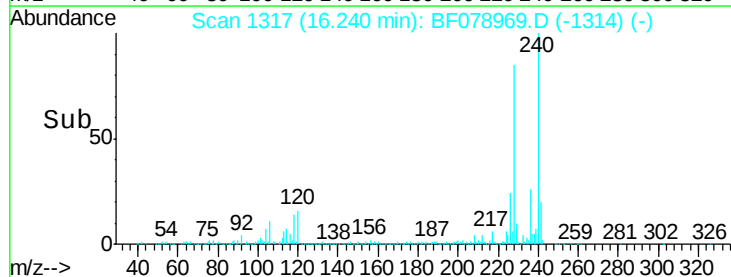
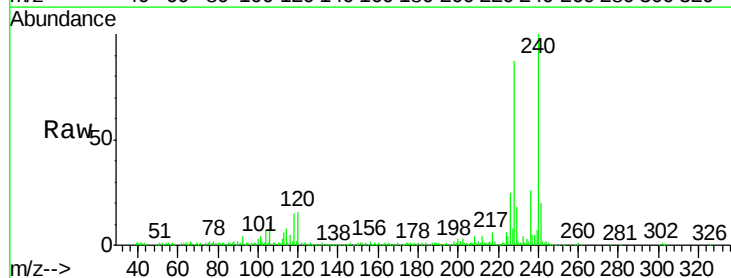
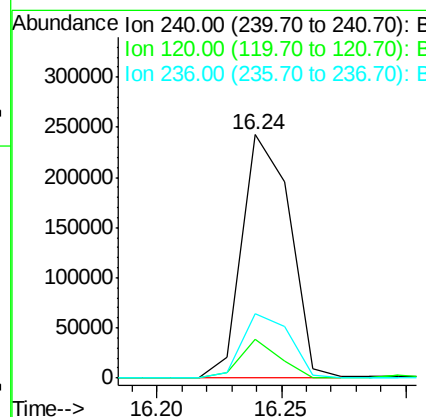
RT: 16.24 min Scan# 1317

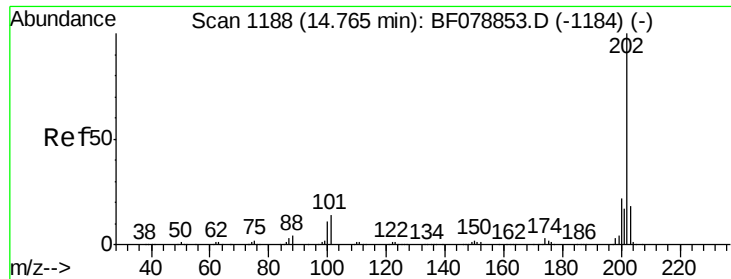
Delta R.T. -0.07 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.7	9.7	14.5#
236	26.4	20.2	30.4





#77

Pvrene

Concen: 39.87 ng m

RT: 14.74 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

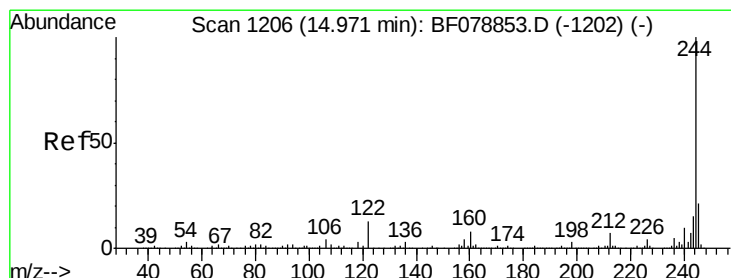
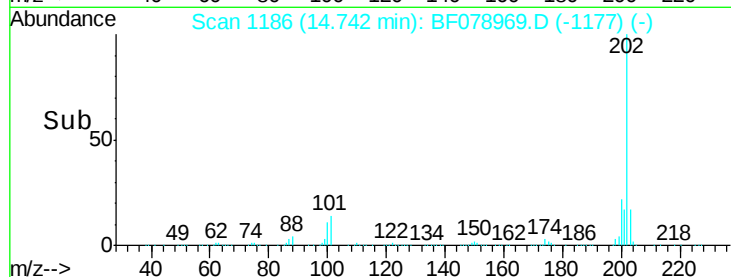
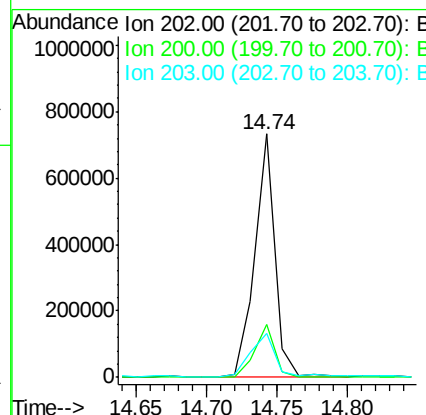
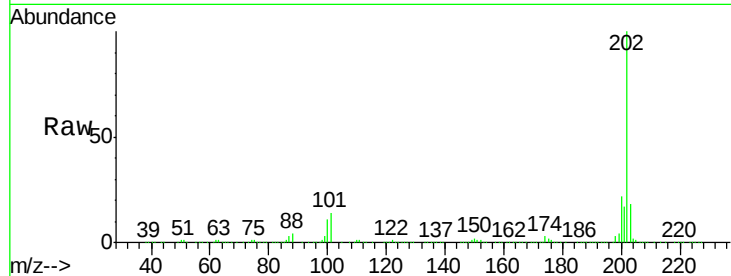
ClientSampleId :

GRID-2(6-12)

Tot Ion:	202	Resp:	742971
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.5	26.3
203	17.9	13.9	20.9

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#78

Terphenyl-d14

Concen: 29.78 ng m

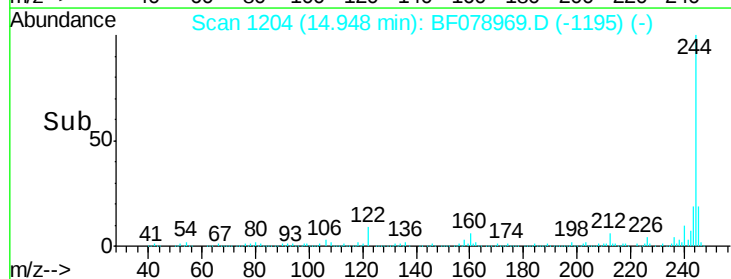
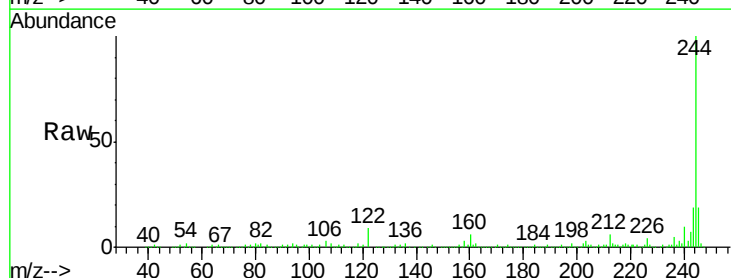
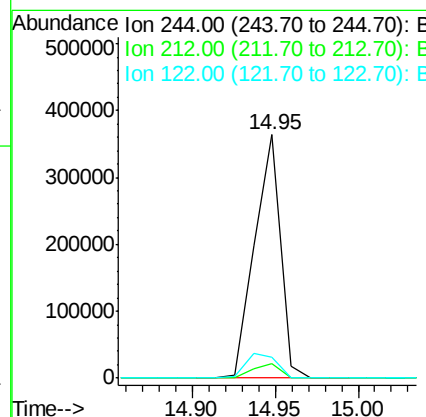
RT: 14.95 min Scan# 1204

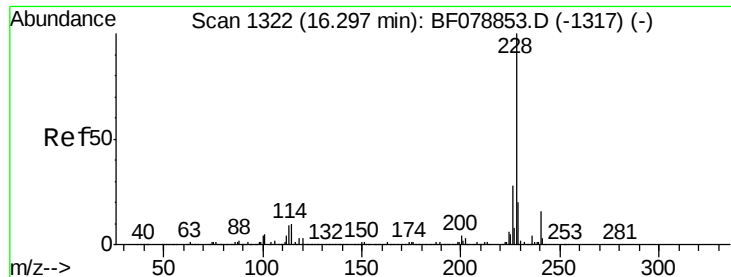
Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion:	244	Resp:	402292
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.6	8.4
122	8.7	10.3	15.5





#80

Benzo(a)anthracene

Concen: 24.69 ng

RT: 16.23 min Scan# 1316

Delta R.T. -0.06 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

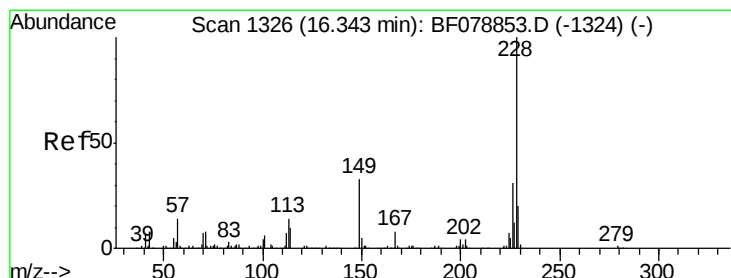
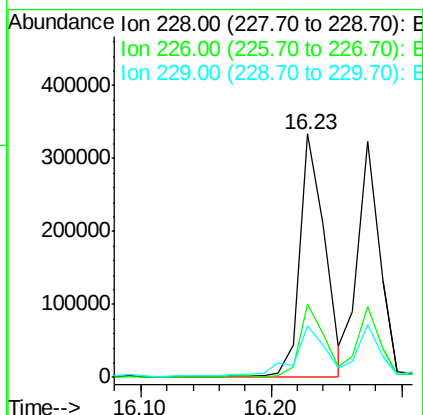
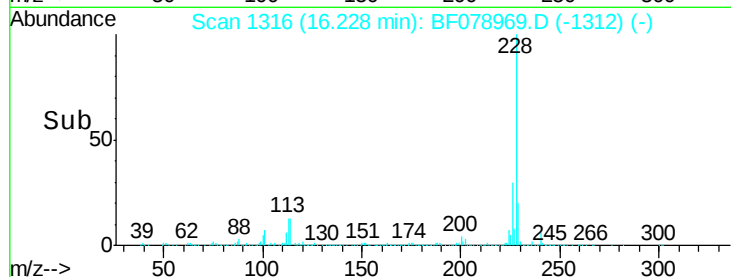
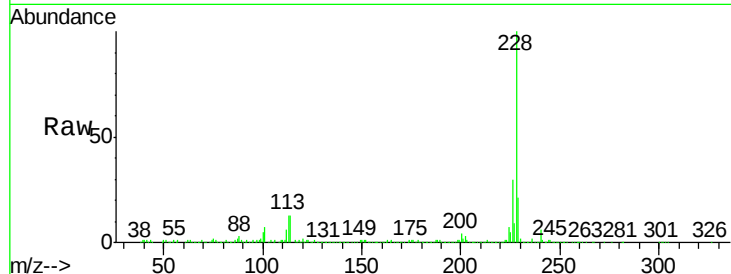
ClientSampleId :

GRID-2(6-12)

Tot Ion:	228	Resp:	437249
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	21.3	15.9	23.9

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#82

Chrysene

Concen: 22.12 ng

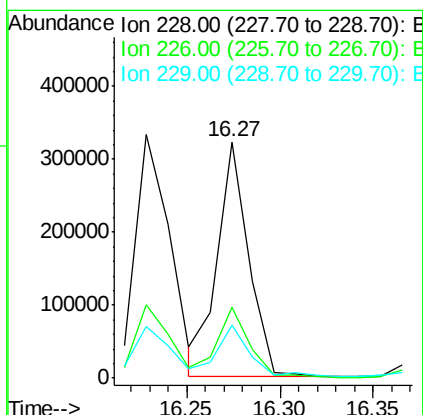
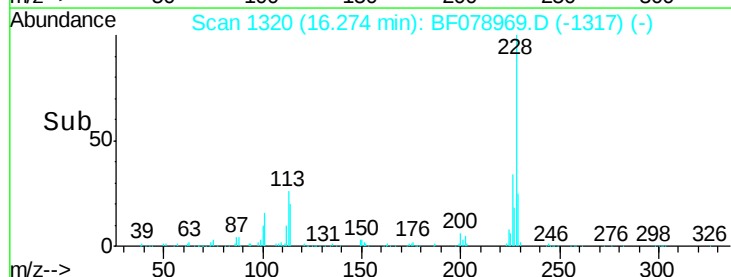
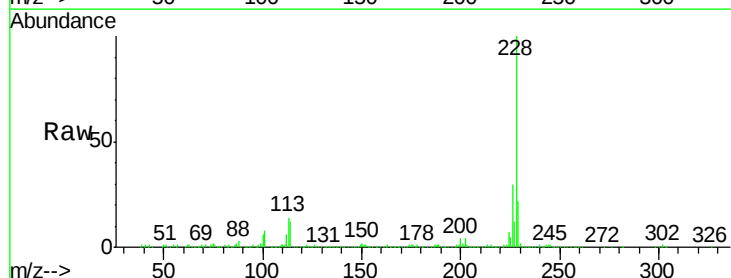
RT: 16.27 min Scan# 1320

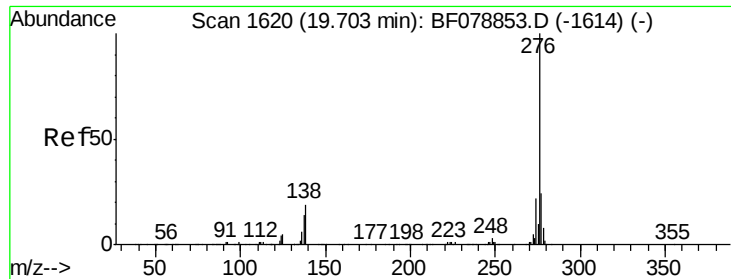
Delta R.T. -0.07 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion:	228	Resp:	376685
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	22.4	16.0	24.0





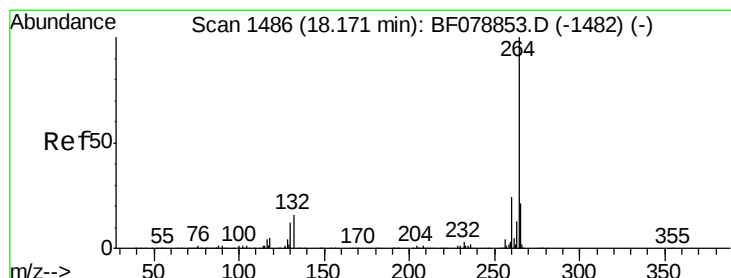
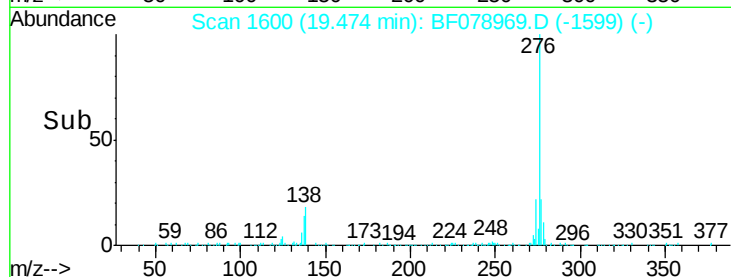
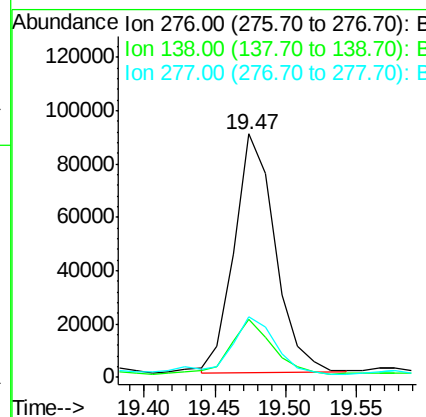
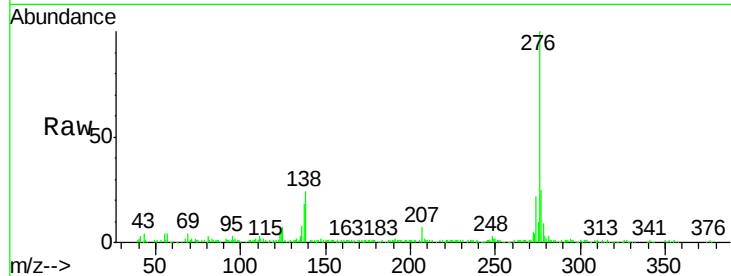
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.36 ng/ml
 RT: 19.47 min Scan# 1600
 Delta R.T. -0.29 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	3.3	0.0	0.0#
277	2.7	0.0	0.0#

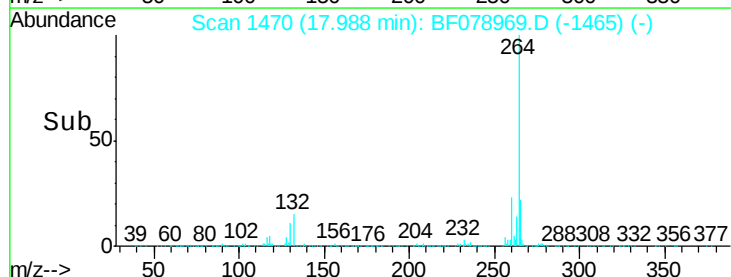
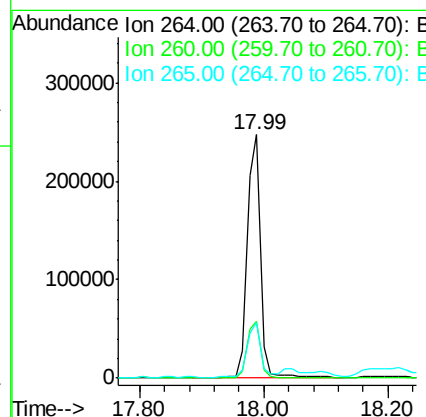
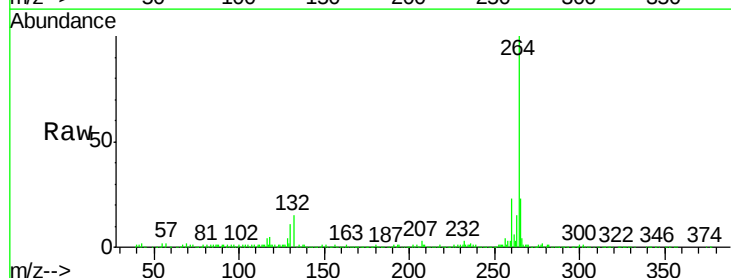
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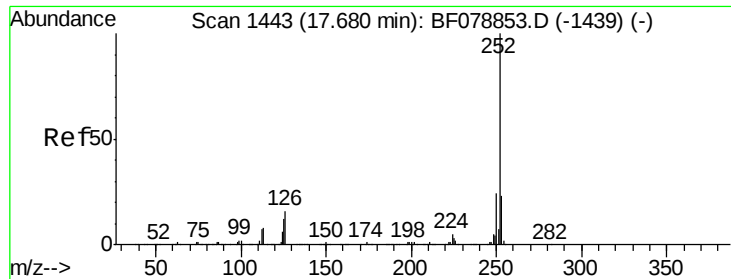
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.99 min Scan# 1470
 Delta R.T. -0.24 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.4	29.2
265	22.5	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 22.40 ng m

RT: 17.53 min Scan# 1430

Delta R.T. -0.19 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

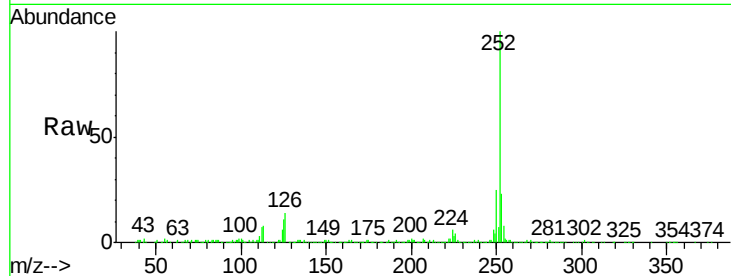
ClientSampleId :

GRID-2(6-12)

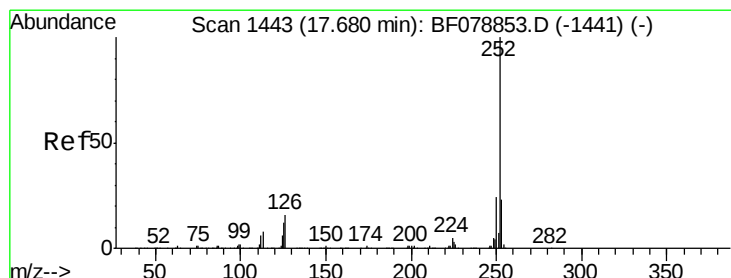
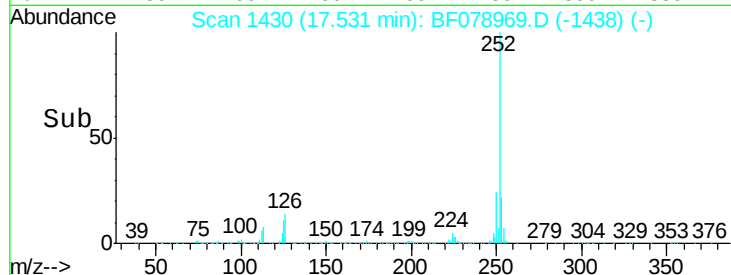
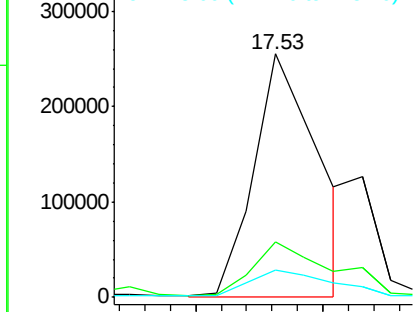
Tot Ion:	252	Resp:	447979
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	11.4	9.5	14.3

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.41 ng m

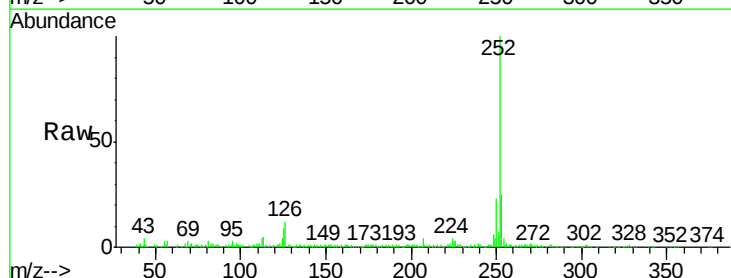
RT: 17.57 min Scan# 1433

Delta R.T. -0.19 min

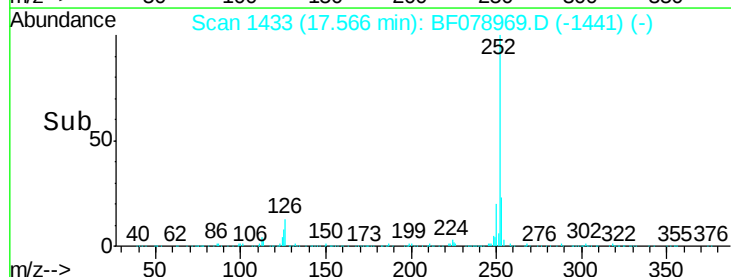
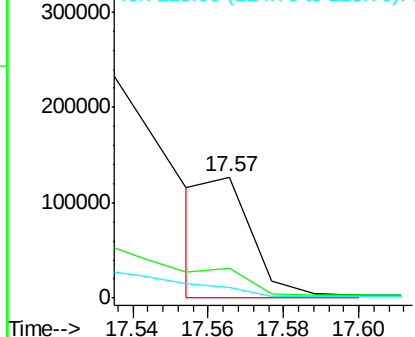
Lab File: BF078969.D

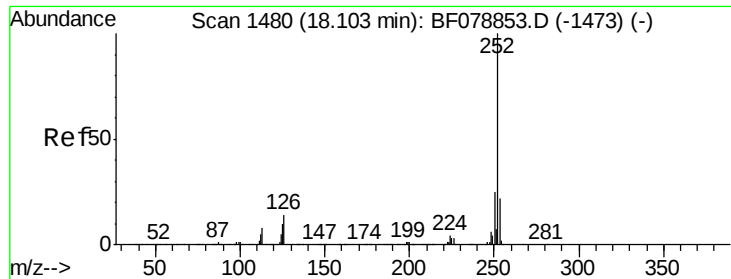
Acq: 6 May 2015 19:25

Tgt Ion:	252	Resp:	104724
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.1	27.1
125	8.7	10.0	15.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





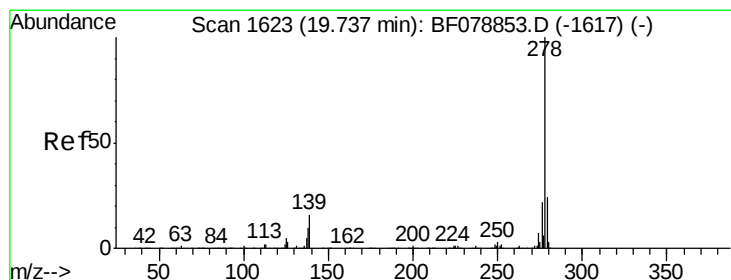
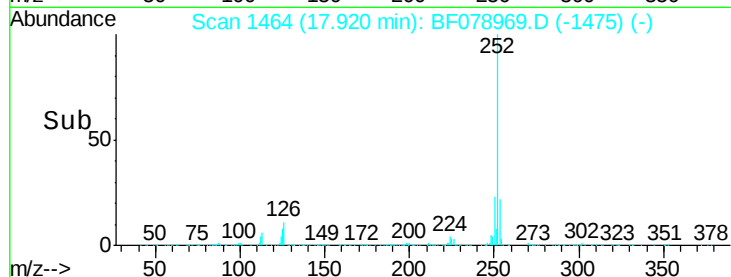
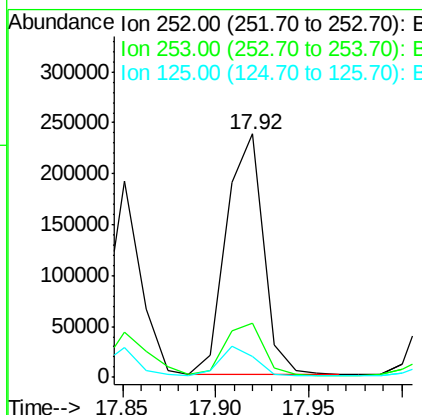
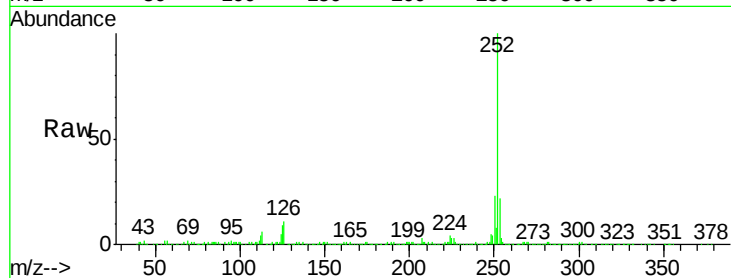
#89
Benzo(a)pyrene
Concen: 17.78 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.23 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

Instrument :
BNA_F
ClientSampleId :
GRID-2(6-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	8.8	7.0	10.6

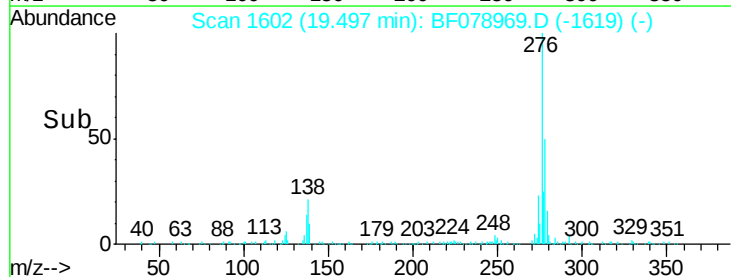
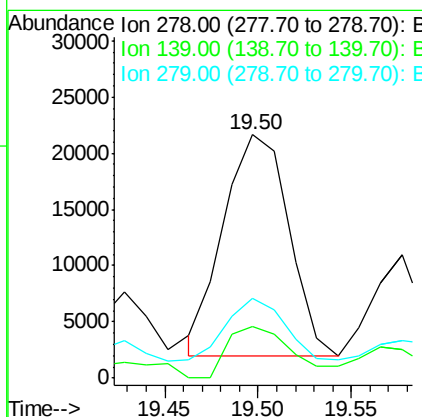
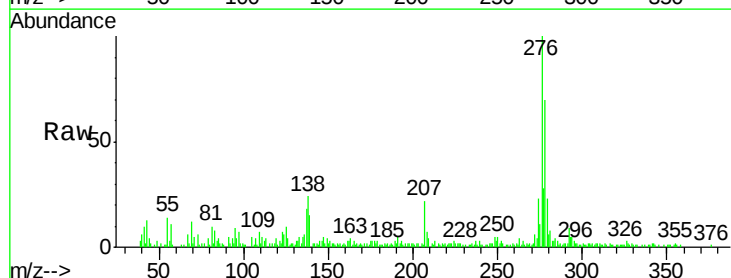
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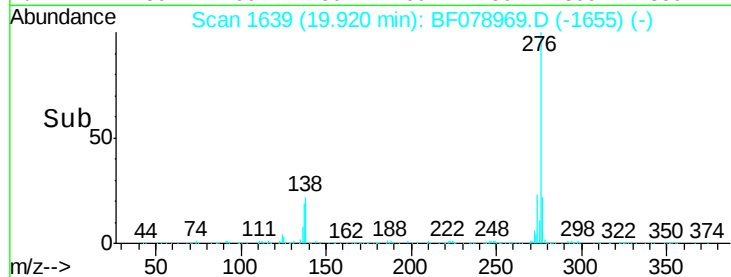
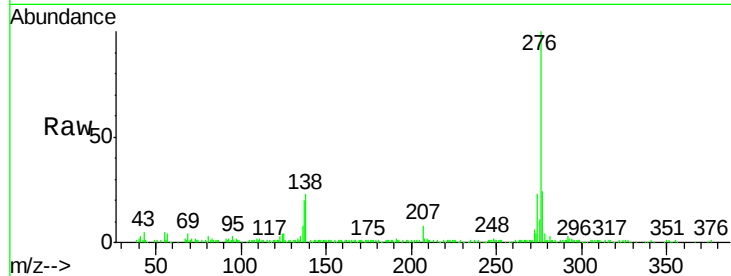
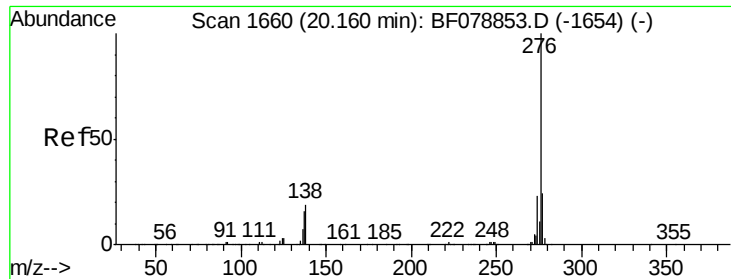
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#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng
RT: 19.50 min Scan# 1602
Delta R.T. -0.30 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	12.8	19.2#
279	32.9	19.6	29.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.20 ng
 RT: 19.92 min Scan# 1639
 Delta R.T. -0.29 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	23.2	17.4	26.0

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