

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079293.D
 Acq On : 16 May 2015 4:50
 Operator : TP/IZ
 Sample : G2246-04DL 4X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12DL

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Quant Time: May 16 06:24:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 04:02:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	58170	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	241493	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	112607	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	203121	20.00	ng	0.00
75) Chrysene-d12	16.05	240	201845	20.00	ng	-0.01
86) Perylene-d12	17.77	264	222310	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	95652m	28.31	ng	0.00
7) Phenol-d6	6.74	99	130096	29.12	ng	0.00
23) Nitrobenzene-d5	7.86	82	68837	16.38	ng	-0.01
41) 2,4,6-Tribromophenol	11.91	330	29728	24.40	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	151543	18.75	ng	0.00
78) Terphenyl-d14	14.75	244	157597	18.69	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.78	128	94993	8.26	ng	99
37) 2-Methylnaphthalene	9.63	142	22234	2.79	ng	98
48) Acenaphthylene	10.75	152	24614	2.15	ng	99
51) Acenaphthene	10.96	154	30269	4.43	ng	97
54) Dibenzofuran	11.18	168	31809	3.22	ng	94
57) Fluorene	11.60	166	24048	2.97	ng	98
70) Phenanthrene	12.80	178	437423	38.49	ng	100
71) Anthracene	12.86	178	79454	7.13	ng	99
72) Carbazole	13.06	167	36566	3.44	ng	99
74) Fluoranthene	14.27	202	611197	51.62	ng	94
77) Pyrene	14.55	202	545874	46.93	ng	100
80) Benzo(a)anthracene	16.03	228	262490	23.75	ng	94
82) Chrysene	16.08	228	232914	21.91	ng	98
85) Indeno(1,2,3-cd)pyrene	19.17	276	143693	10.61	ng	95
87) Benzo(b)fluoranthene	17.33	252	308505m	25.35	ng	
88) Benzo(k)fluoranthene	17.36	252	86077m	7.31	ng	
89) Benzo(a)pyrene	17.70	252	218447	19.50	ng	98
90) Dibenzo(a,h)anthracene	19.18	278	32927	2.77	ng	94
91) Benzo(a,h,i)perylene	19.58	276	137826	11.55	ng	100

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

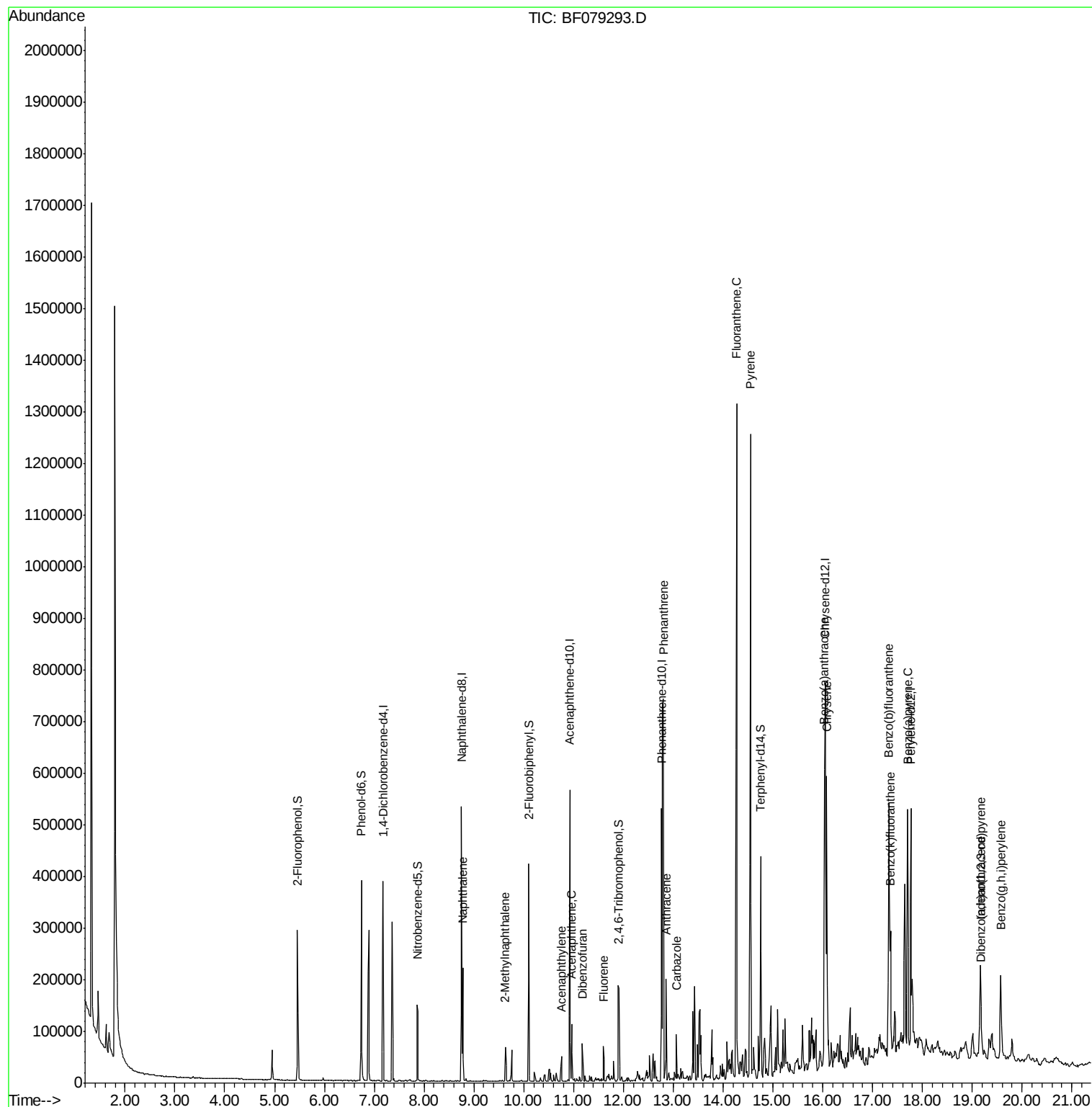
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
Data File : BF079293.D
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ALS Vial : 26 Sample Multiplier: 1

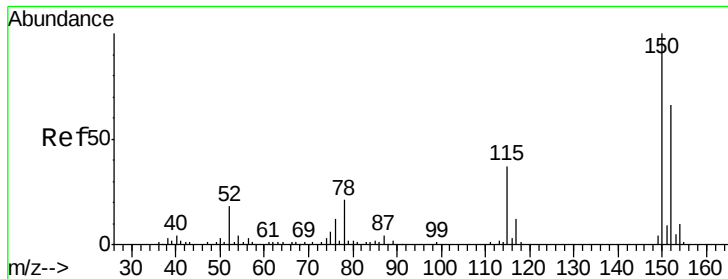
Instrument :
BNA_F
ClientSampled :
SB-12DL

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Quant Time: May 16 06:24:25 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

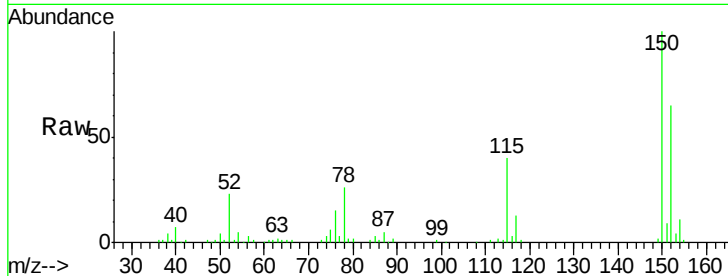
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.18 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Instrument :
BNA_F
ClientSampleId :
SB-12DL

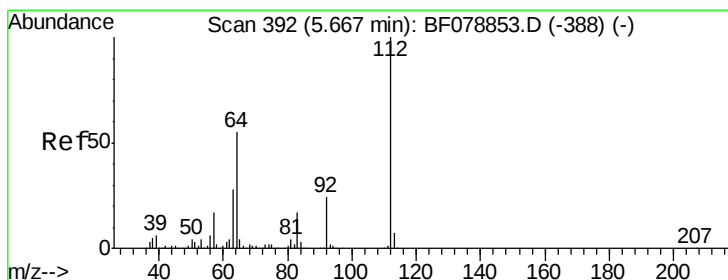
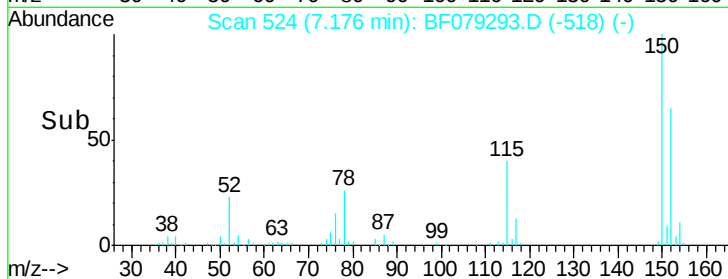
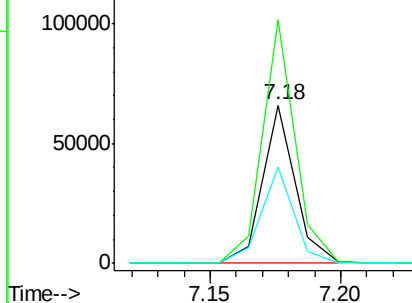
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.8	185.8
115	61.0	49.4	74.0

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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

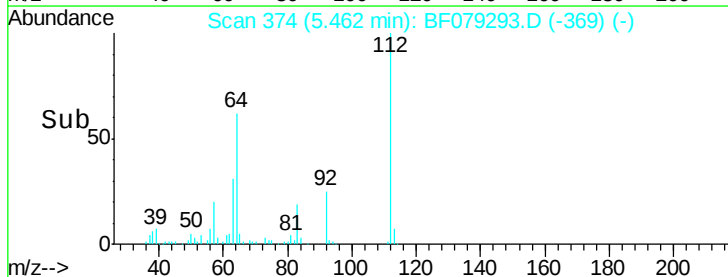
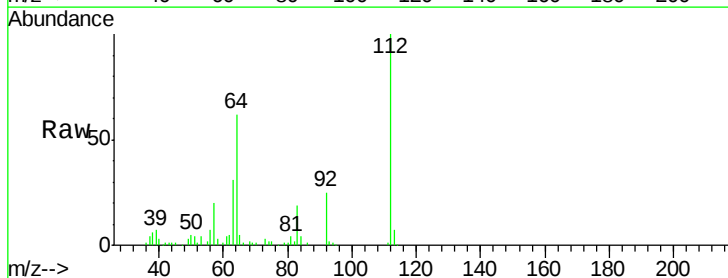
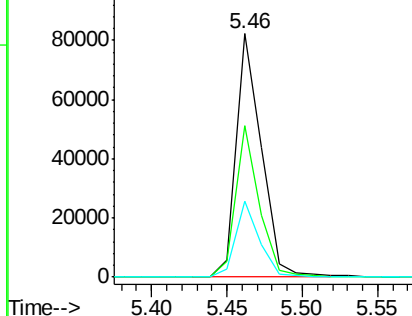


#5

2-Fluorophenol
Concen: 28.31 ng m
RT: 5.46 min Scan# 374
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	44.2	66.2
63	31.3	22.7	34.1

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: 29.12 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Instrument :

BNA_F

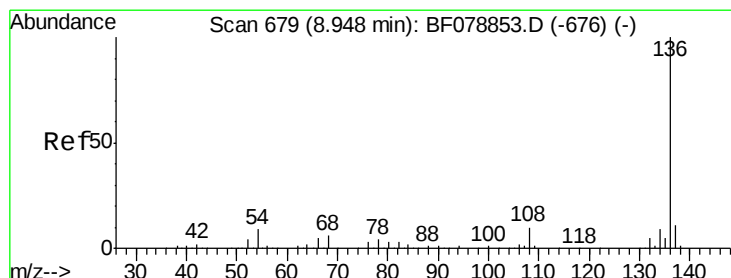
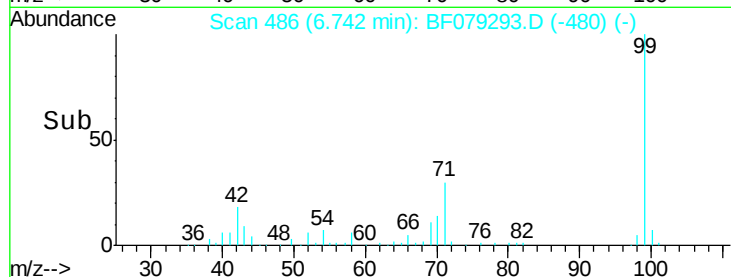
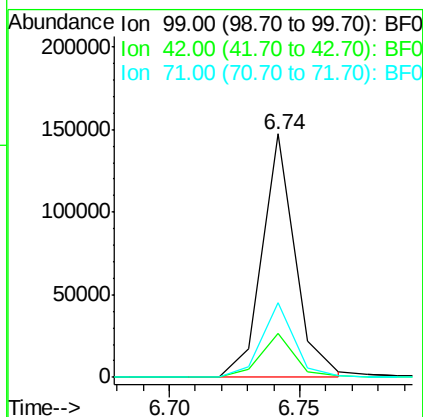
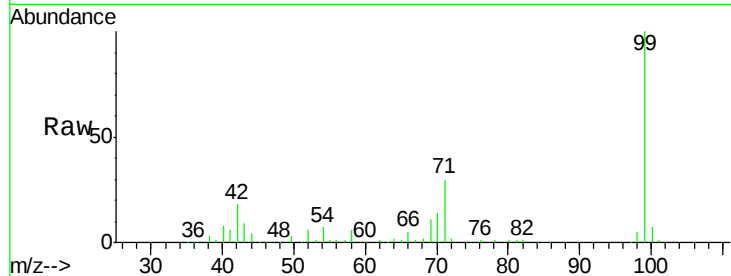
ClientSampleId :

SB-12DL

Tot Ion:	99	Resp:	130096
Ion Ratio	Lower	Upper	
99	100		
42	18.3	17.1	25.7
71	30.5	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

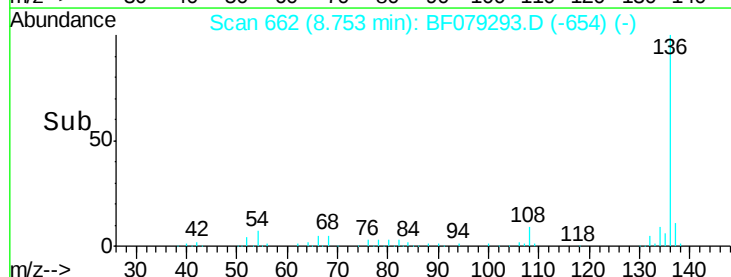
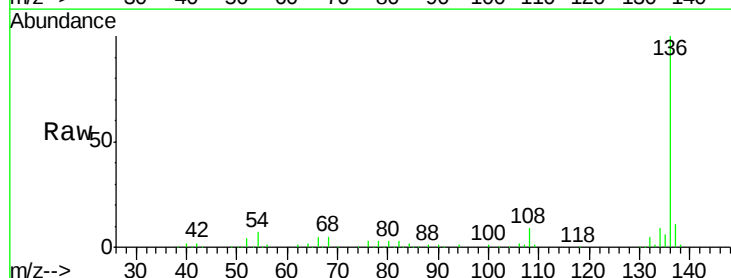
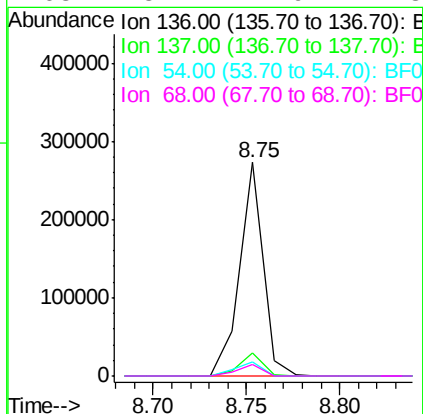
RT: 8.75 min Scan# 662

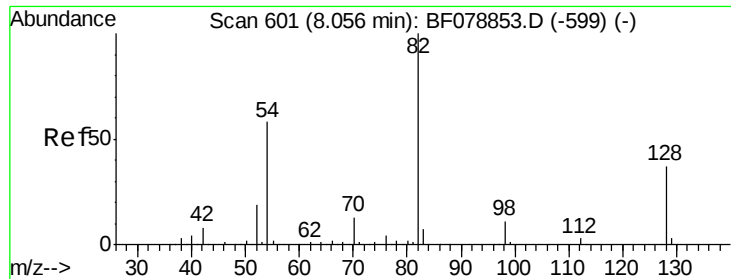
Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Tgt Ion:	136	Resp:	241493
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	6.8	6.9	10.3#
68	5.2	4.9	7.3





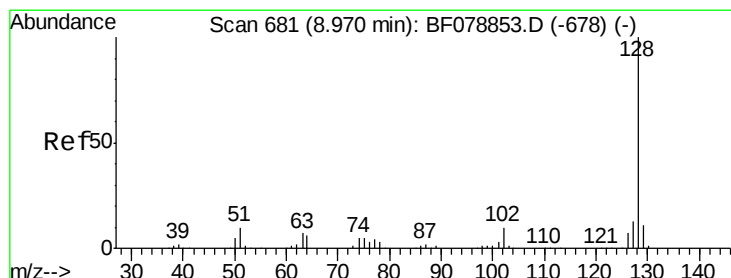
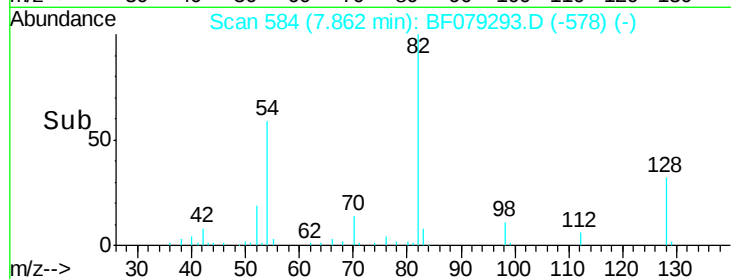
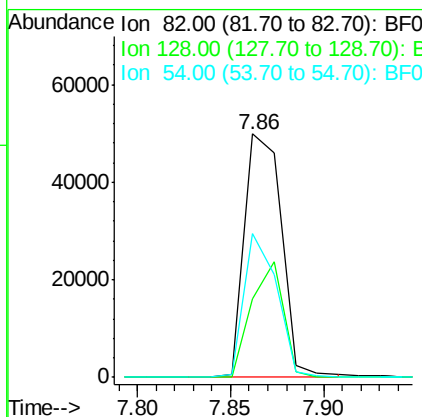
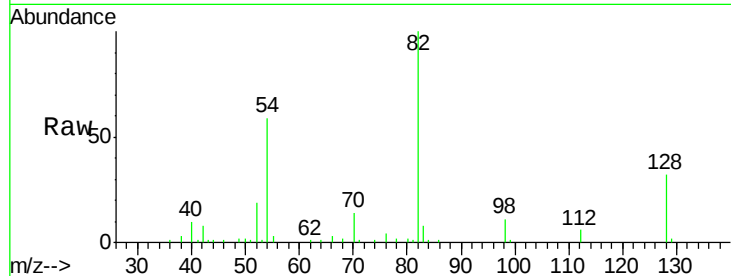
#23
 Nitrobenzene-d5
 Concen: 16.38 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-12DL

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	32.4	29.7	44.5
54	59.3	46.2	69.4

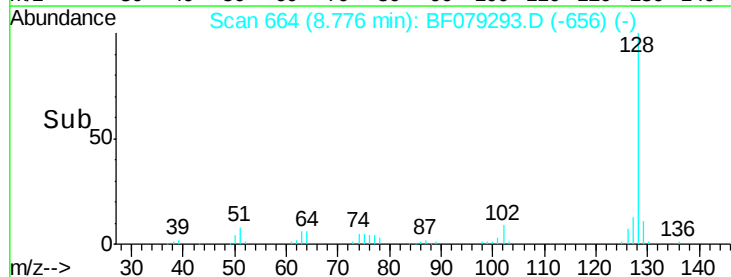
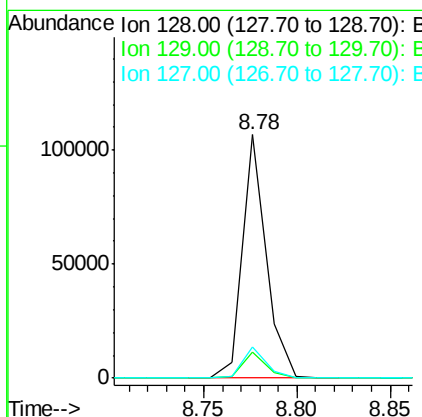
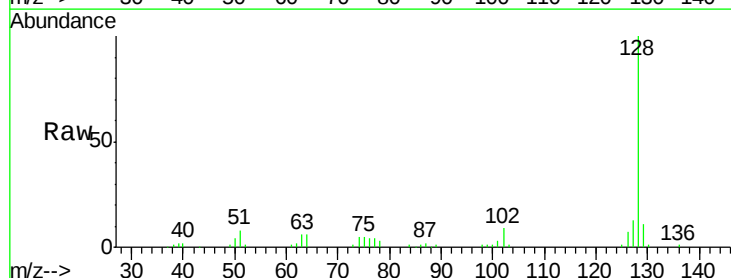
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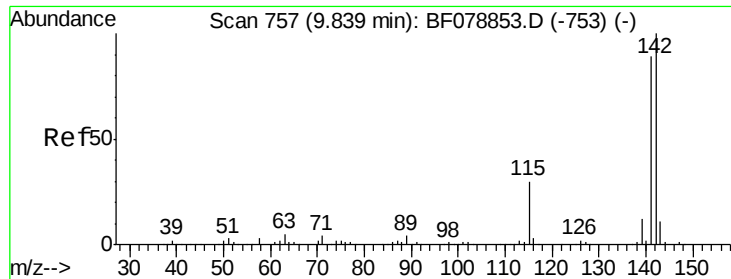
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#31
 Naphthalene
 Concen: 8.26 ng
 RT: 8.78 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.7	9.2	13.8
127	12.6	10.3	15.5





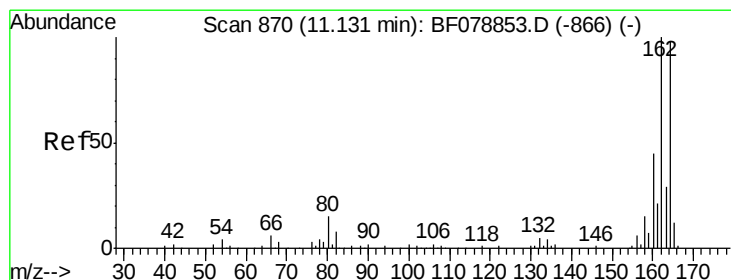
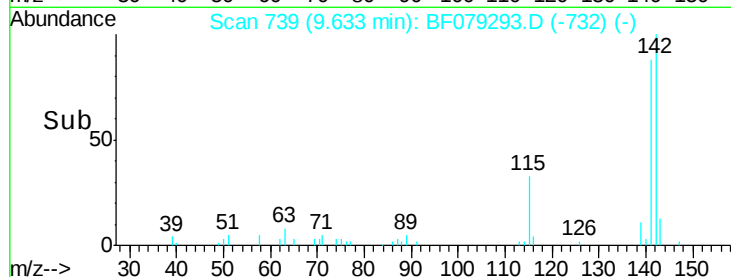
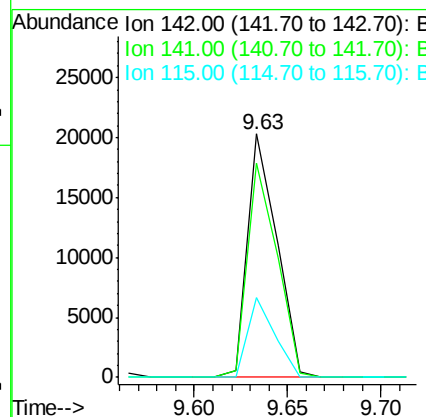
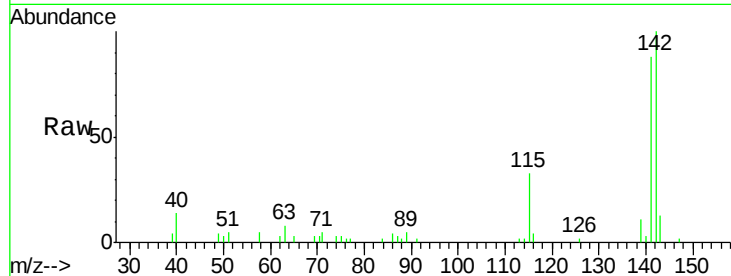
#37
 2-Methylnaphthalene
 Concen: 2.79 ng
 RT: 9.63 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Instrument :
 BNA_F
 ClientSampleID :
 SB-12DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.6	107.4
115	32.5	24.2	36.4

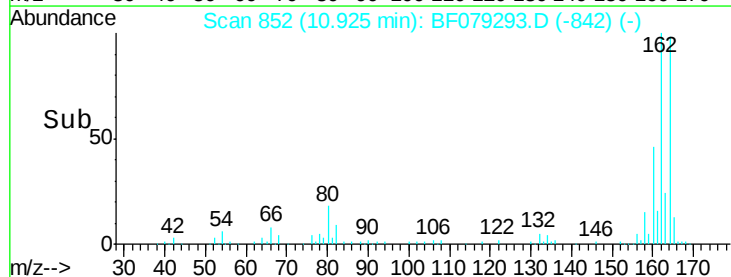
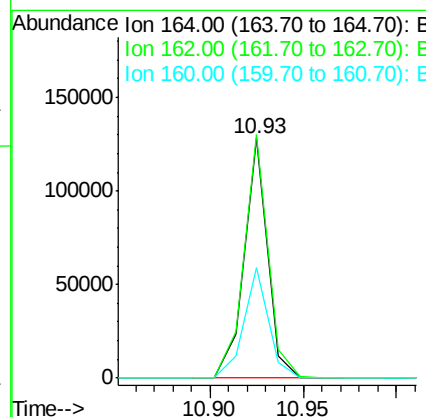
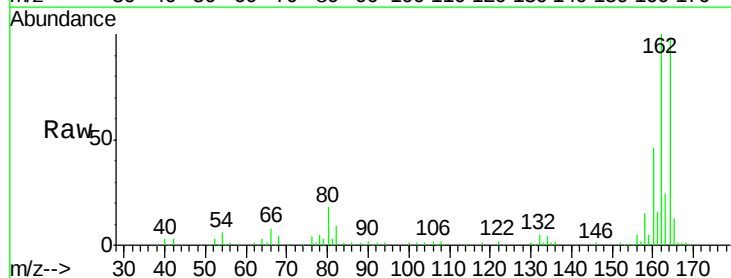
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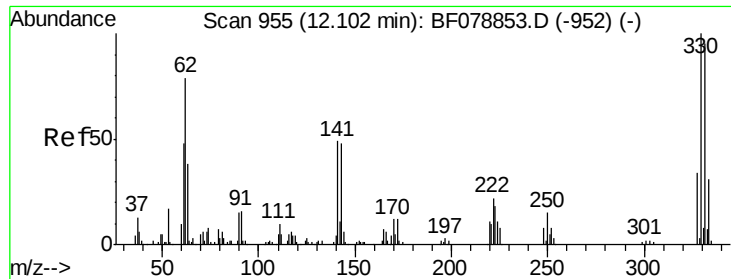
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.4	122.0
160	46.3	36.6	54.8





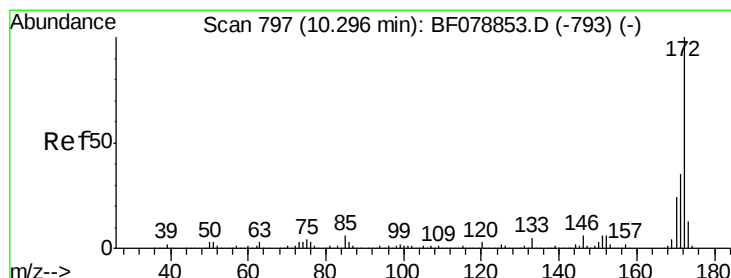
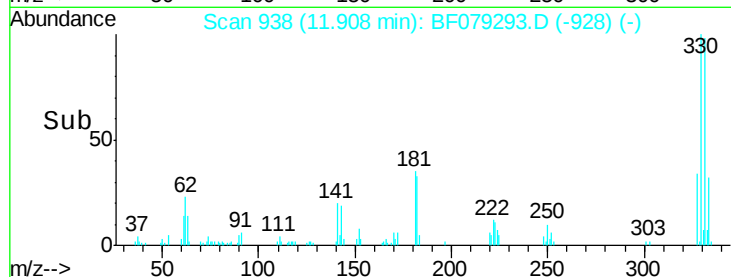
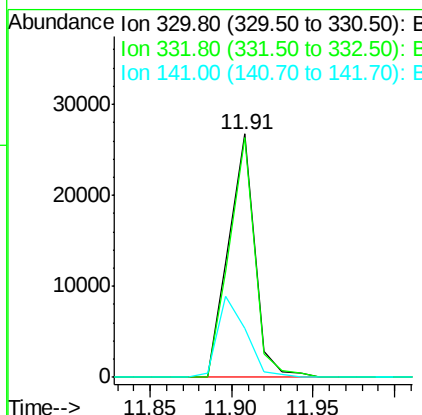
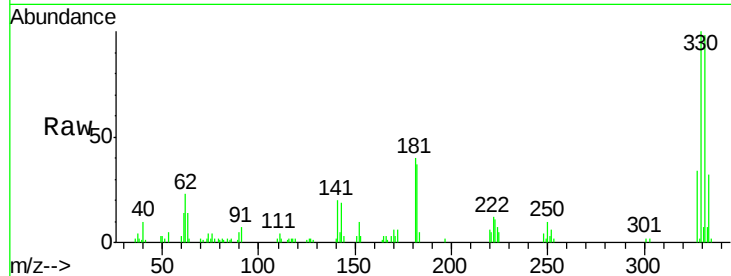
#41
 2,4,6-Tribromophenol
 Concen: 24.40 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-12DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29728		
332	96.1		76.9	115.3
141	36.0		27.8	41.8

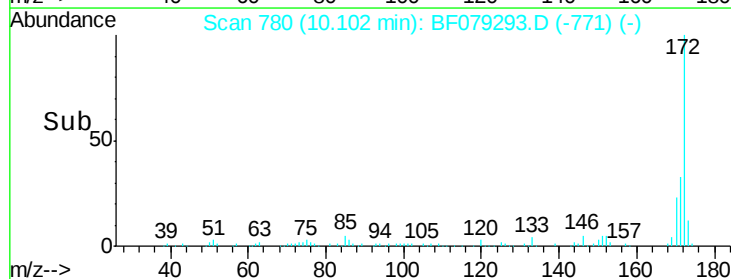
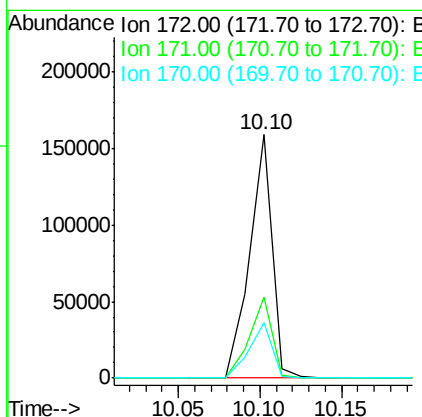
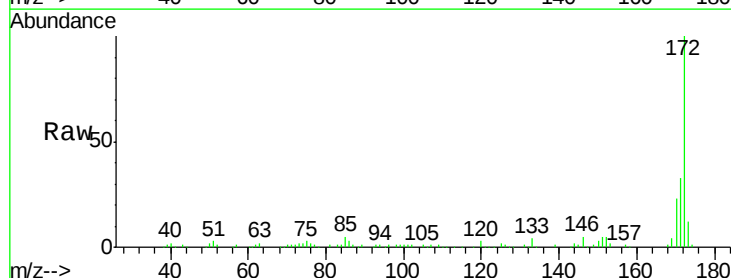
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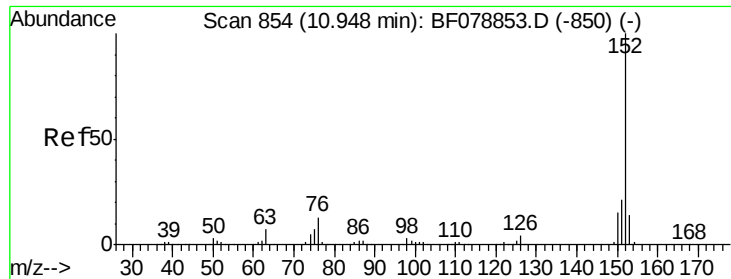
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#44
 2-Fluorobiphenyl
 Concen: 18.75 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	151543		
171	33.4		28.3	42.5
170	22.6		19.4	29.2





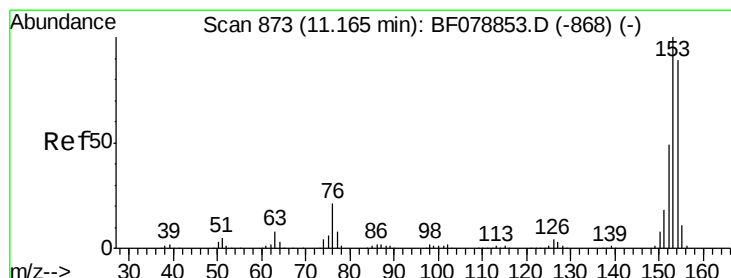
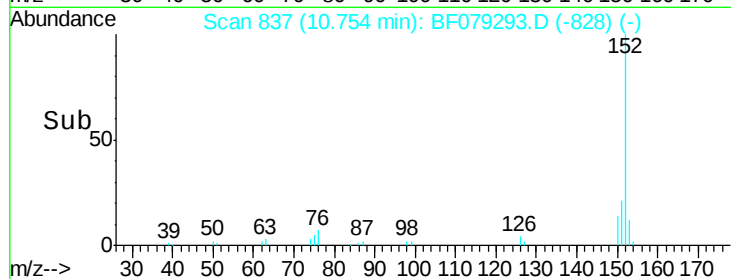
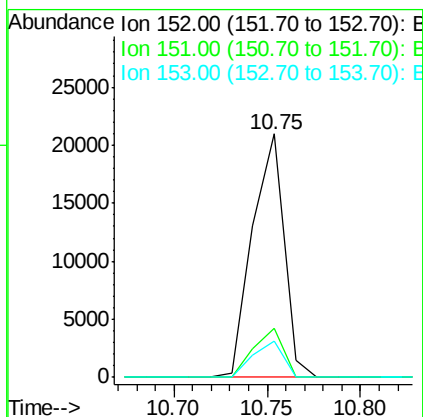
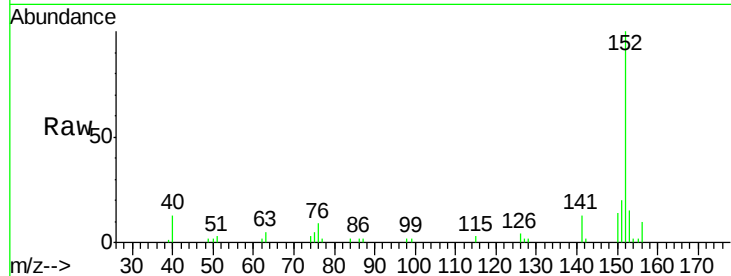
#48
Acenaphthylene
Concen: 2.15 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Instrument :
BNA_F
ClientSampleId :
SB-12DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	24614		
151	20.4		16.6	24.8
153	14.8		11.0	16.6

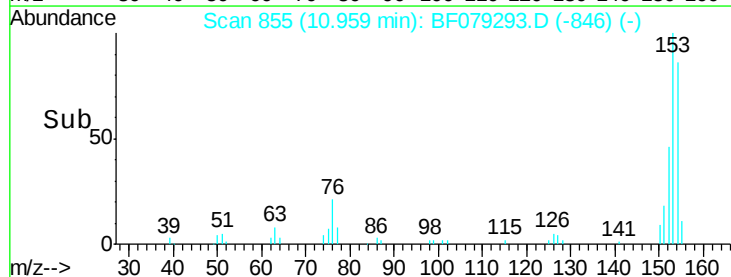
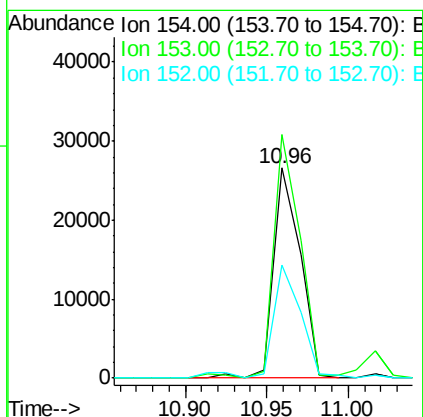
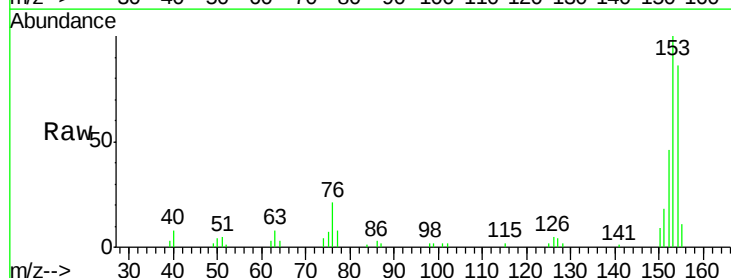
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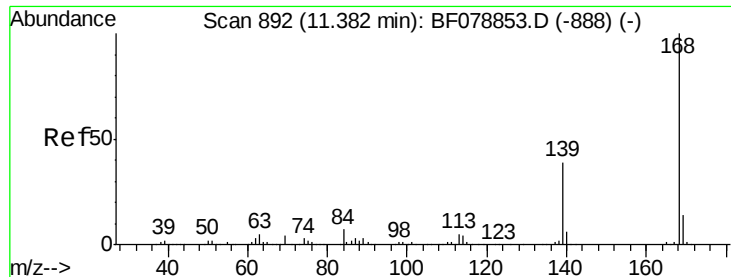
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#51
Acenaphthene
Concen: 4.43 ng
RT: 10.96 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	30269		
153	116.0		90.2	135.2
152	53.6		43.8	65.8





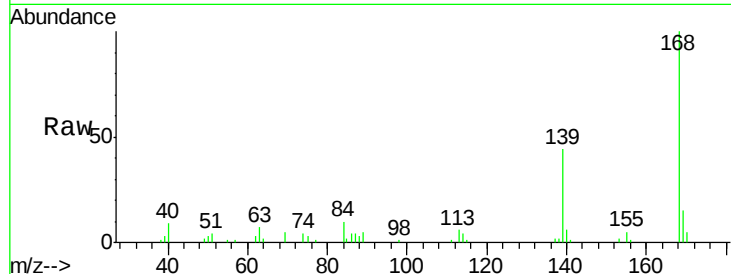
#54
Dibenzenofuran
Concen: 3.22 ng
RT: 11.18 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Instrument :
BNA_F
ClientSampleId :
SB-12DL

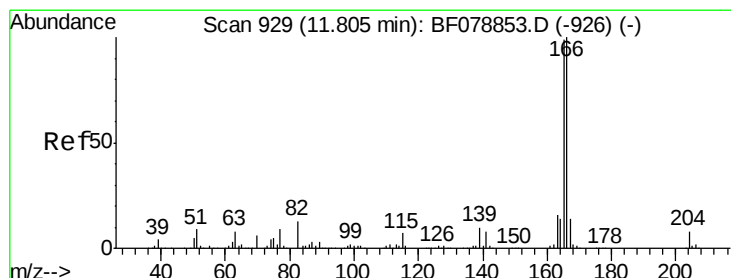
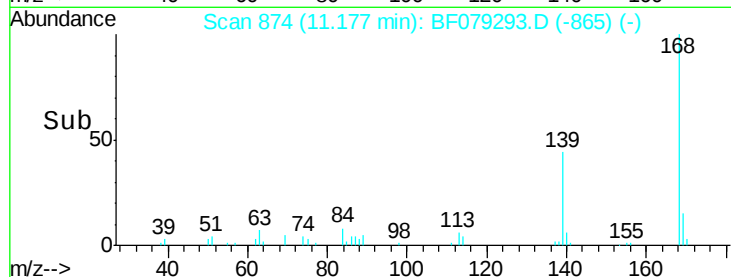
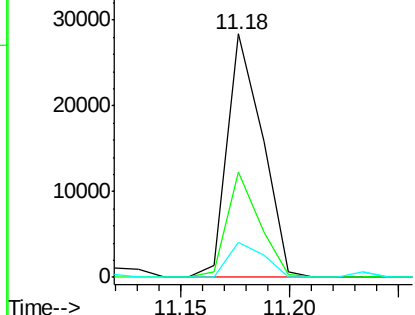
Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	43.5		31.5	47.3
169	14.6		11.0	16.4

Manual Integrations
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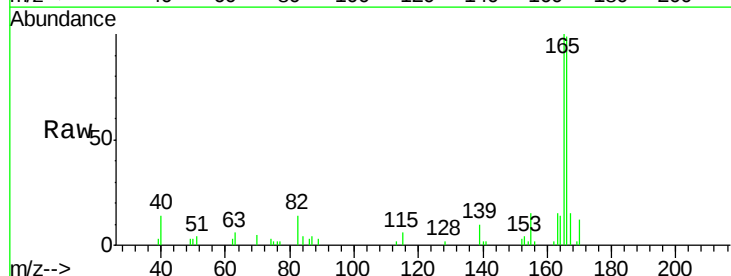


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

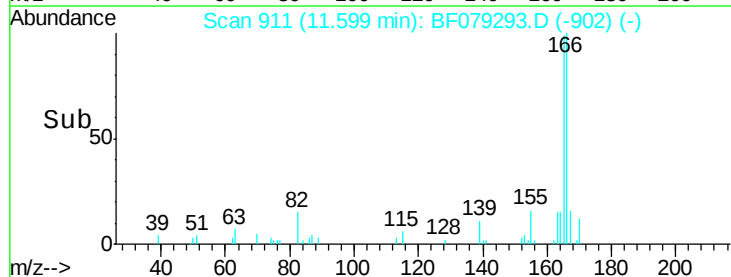
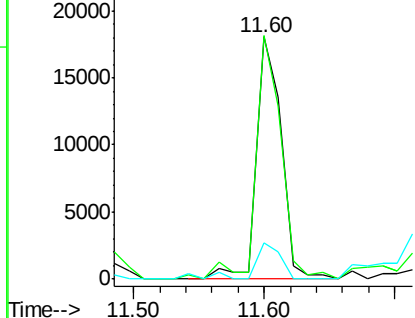


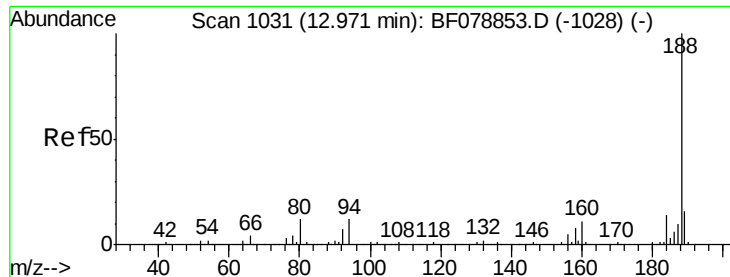
#57
Fluorene
Concen: 2.97 ng
RT: 11.60 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.7		79.5	119.3
167	15.1		11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





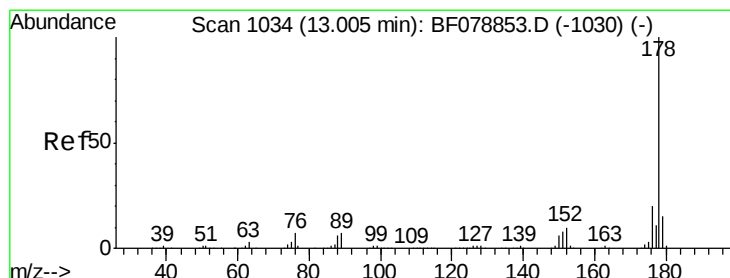
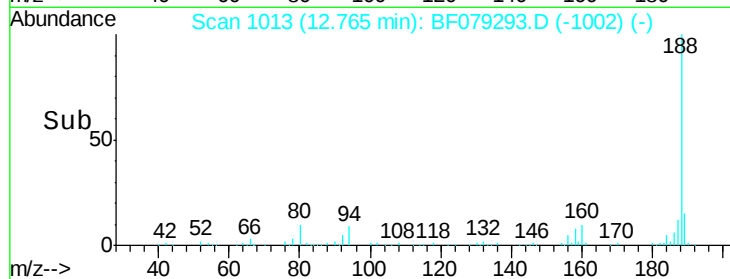
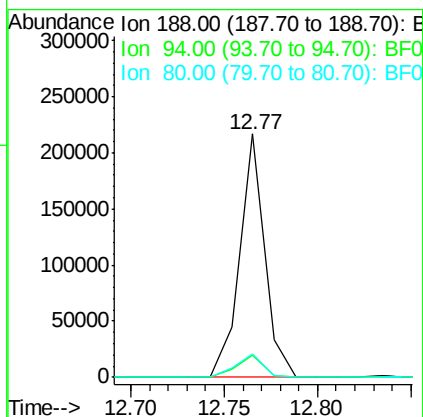
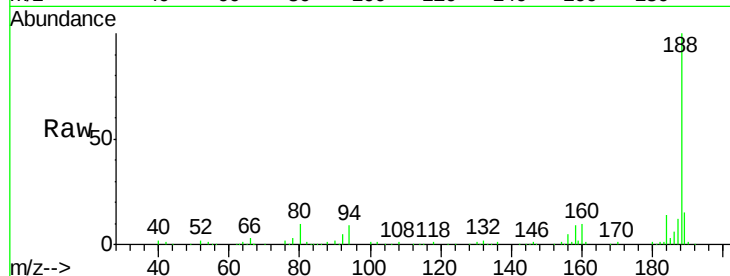
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Instrument :
BNA_F
ClientSampleId :
SB-12DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	9.4	14.0#
80	9.9	9.8	14.6

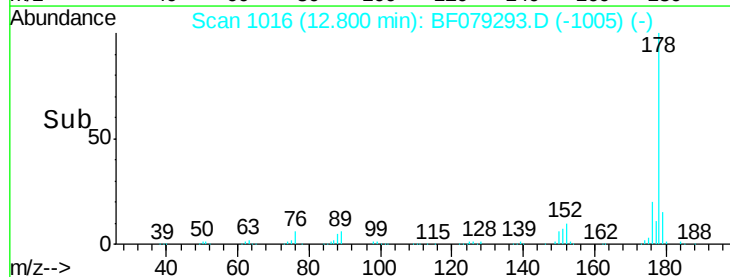
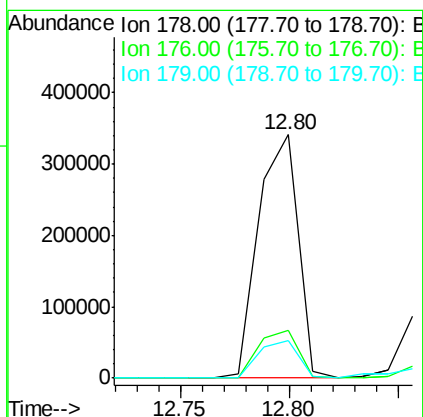
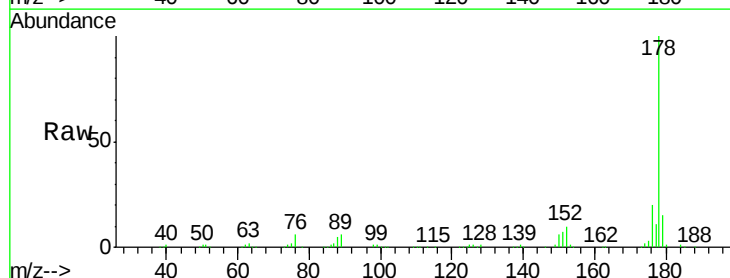
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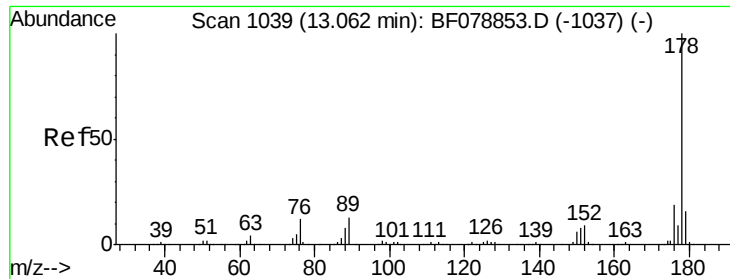
apatel
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#70
Phenanthrene
Concen: 38.49 ng
RT: 12.80 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.2	12.2	18.4





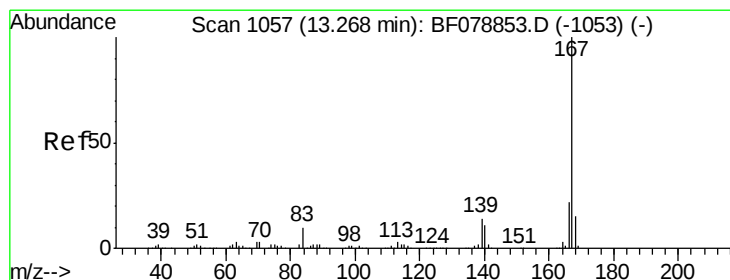
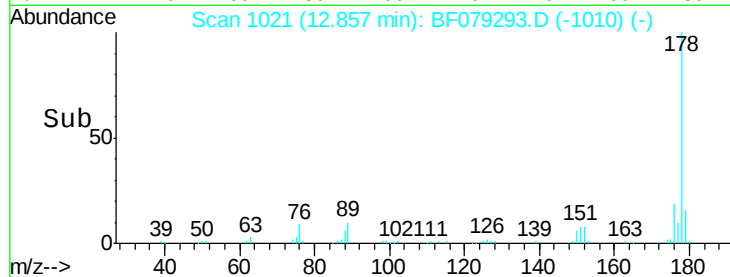
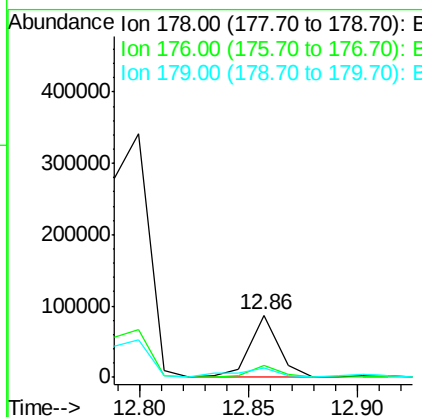
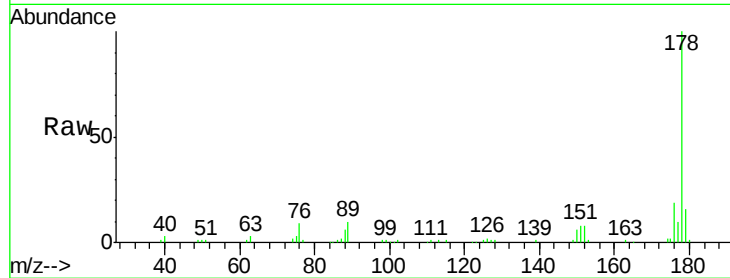
#71
 Anthracene
 Concen: 7.13 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Instrument :
 BNA_F
 ClientSampleID :
 SB-12DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.5	12.6	19.0

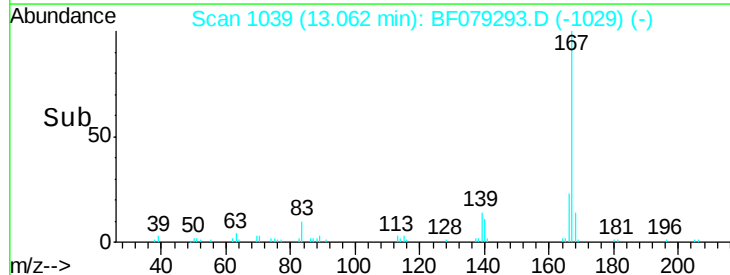
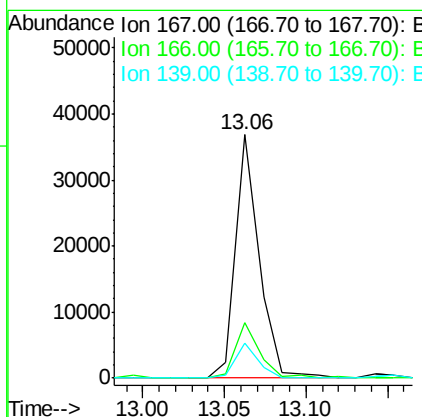
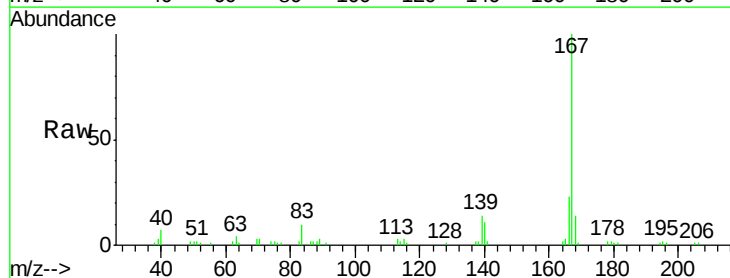
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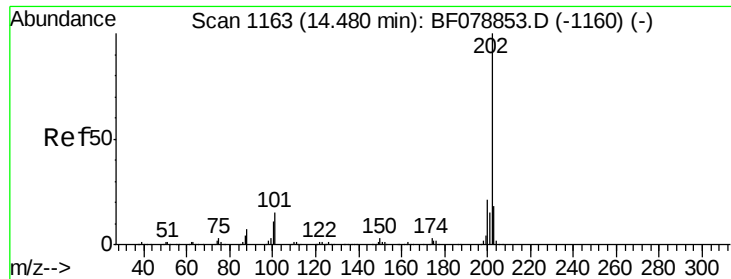
apatel
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#72
 Carbazole
 Concen: 3.44 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.5	26.3
139	14.2	11.0	16.4





#74

Fluoranthene

Concen: 51.62 ng

RT: 14.27 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Instrument :

BNA_F

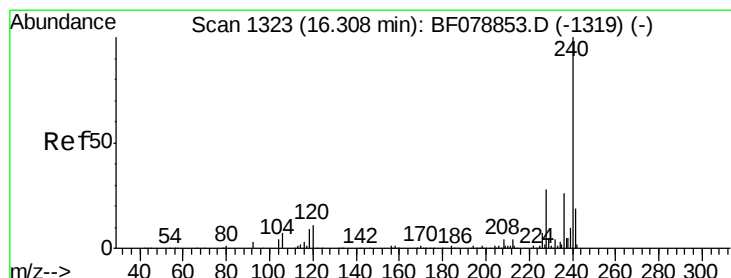
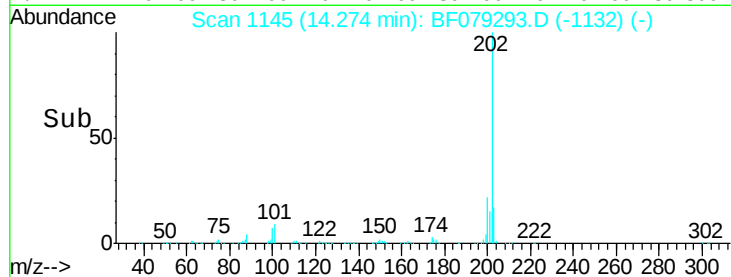
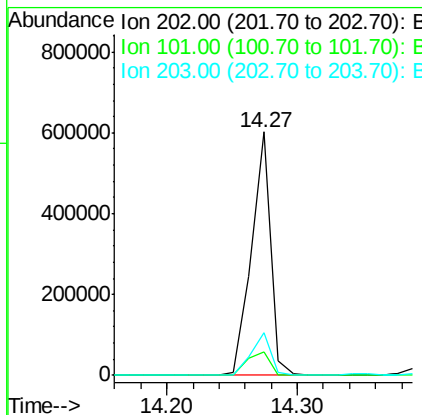
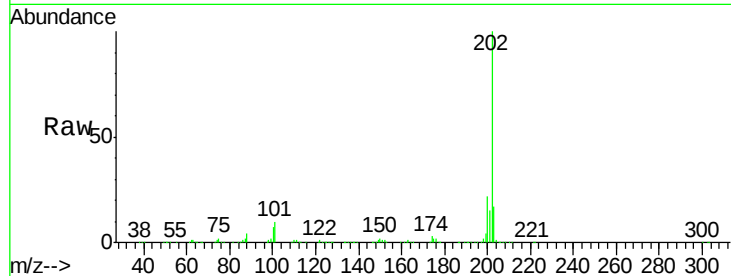
ClientSampleId :

SB-12DL

Tot Ion:	202	Resp:	611197
Ion Ratio		Lower	Upper
202	100		
101	9.6	0.0	34.7
203	17.5	0.0	37.9

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

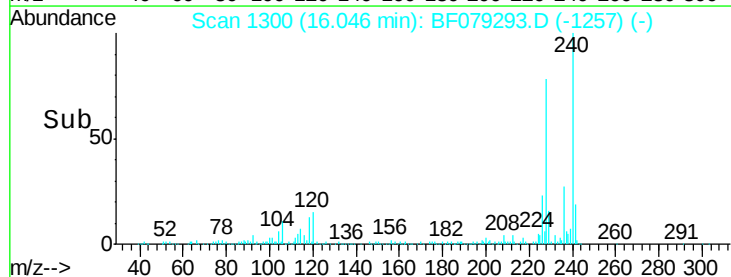
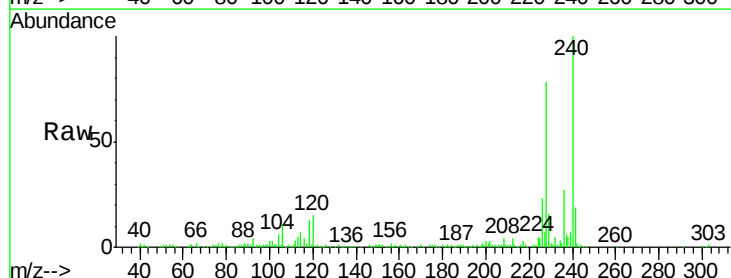
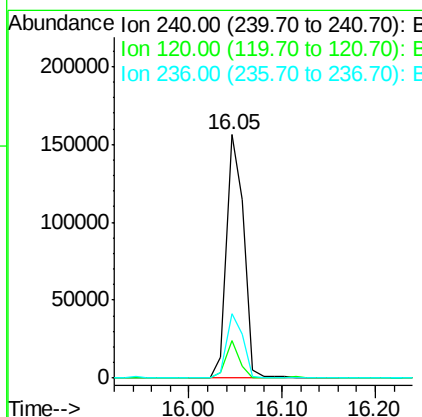
RT: 16.05 min Scan# 1300

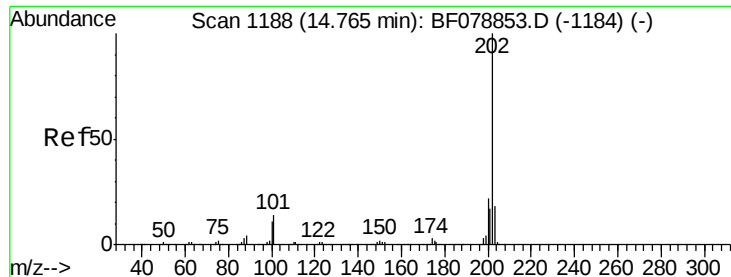
Delta R.T. -0.01 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Tgt Ion:	240	Resp:	201845
Ion Ratio		Lower	Upper
240	100		
120	15.3	8.6	12.8#
236	26.7	21.0	31.6





#77

Pvrene

Concen: 46.93 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Instrument :

BNA_F

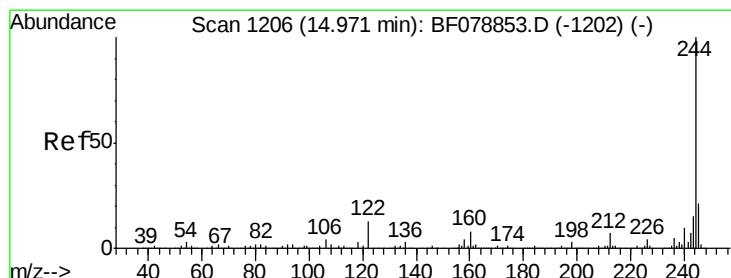
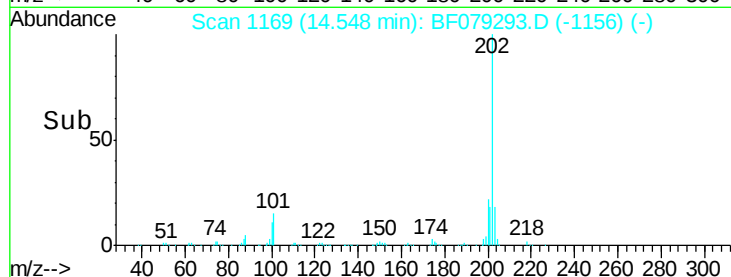
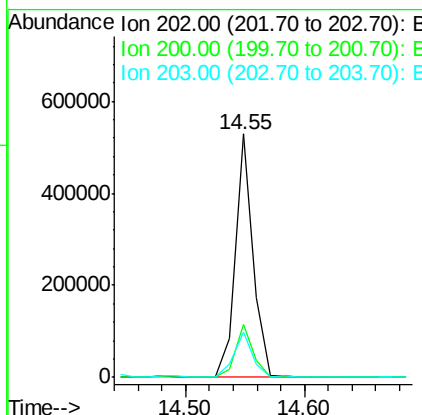
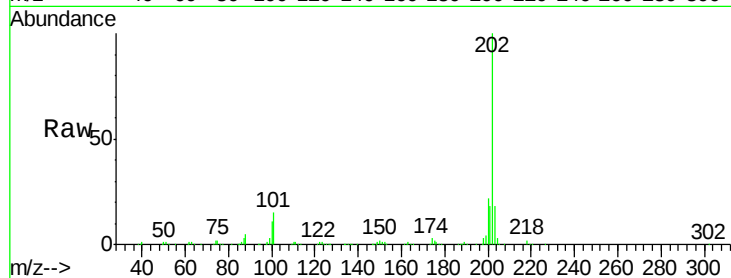
ClientSampleId :

SB-12DL

Tot Ion:	202	Resp:	545874
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.5	26.3
203	18.4	14.7	22.1

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#78

Terphenyl-d14

Concen: 18.69 ng

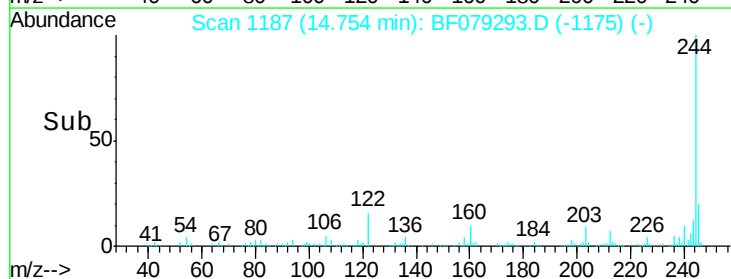
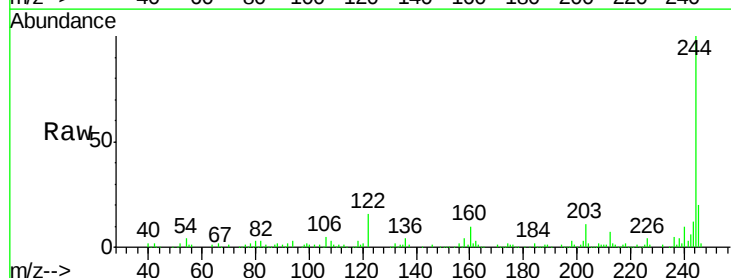
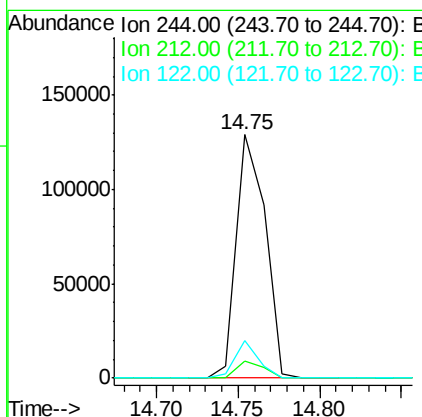
RT: 14.75 min Scan# 1187

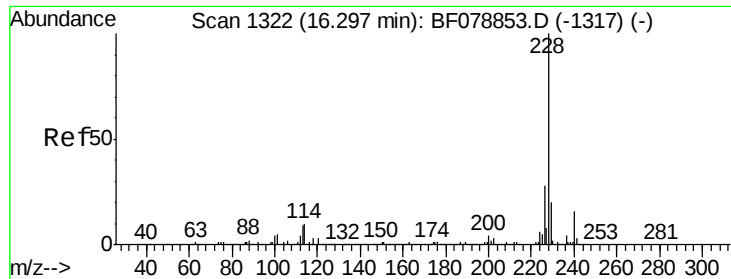
Delta R.T. -0.01 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Tgt Ion:	244	Resp:	157597
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.6	8.4
122	15.5	10.5	15.7





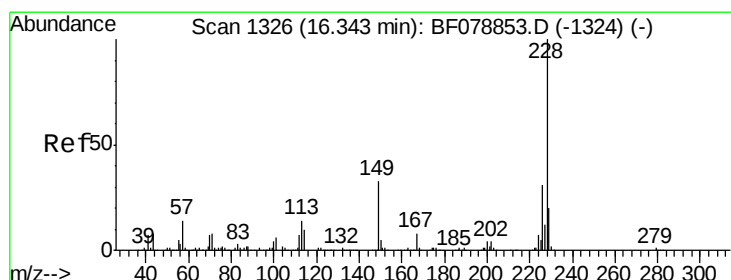
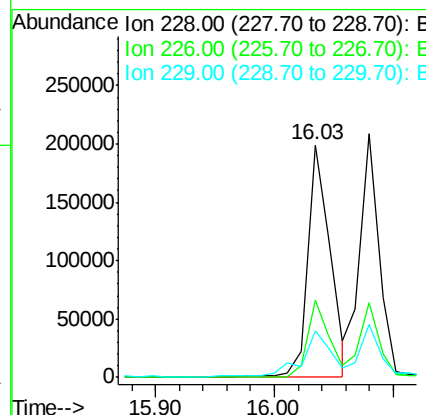
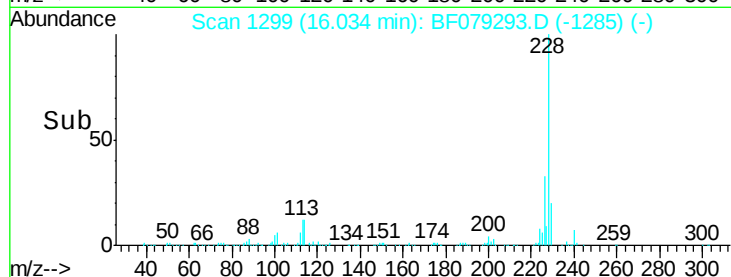
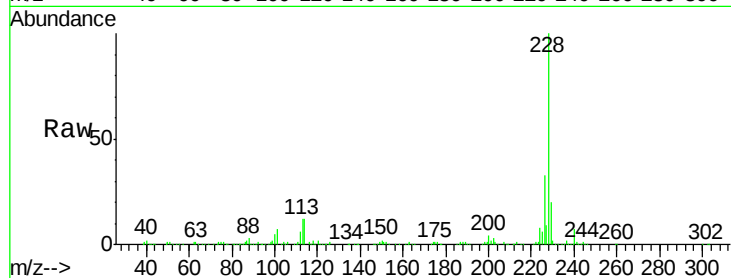
#80
Benzo(a)anthracene
Concen: 23.75 ng
RT: 16.03 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Instrument :
BNA_F
ClientSampleID :
SB-12DL

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	33.0	22.3	33.5
229	20.1	16.1	24.1

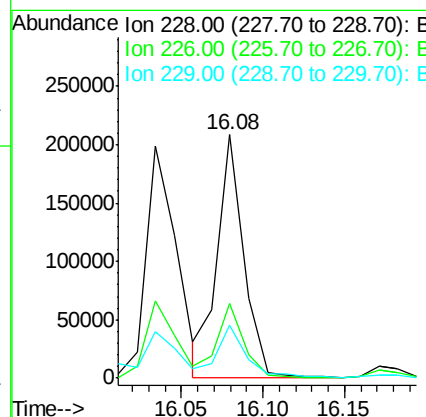
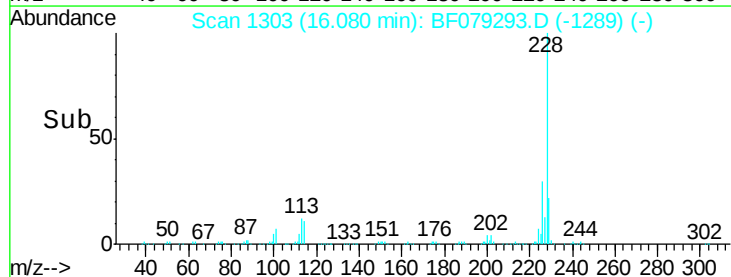
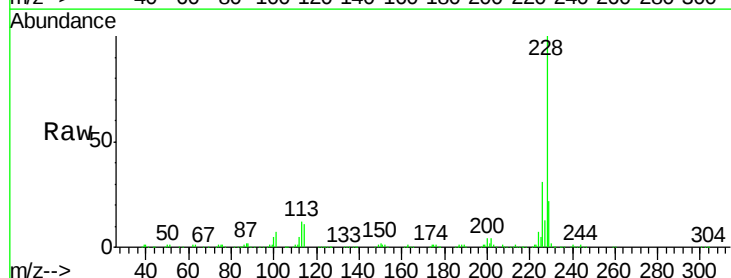
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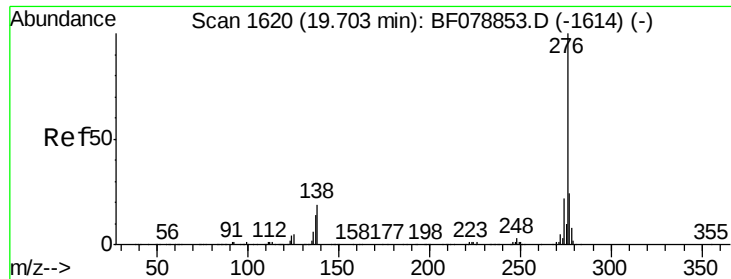
apatel
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#82
Chrysene
Concen: 21.91 ng
RT: 16.08 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	24.8	37.2
229	22.0	16.1	24.1





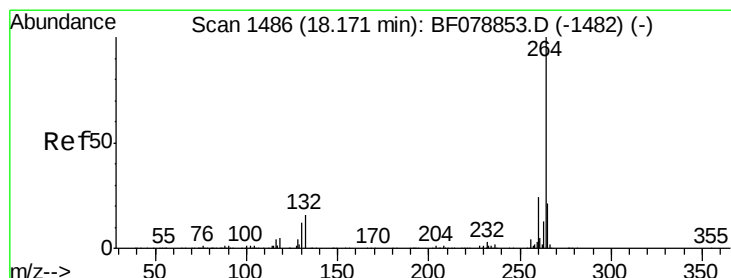
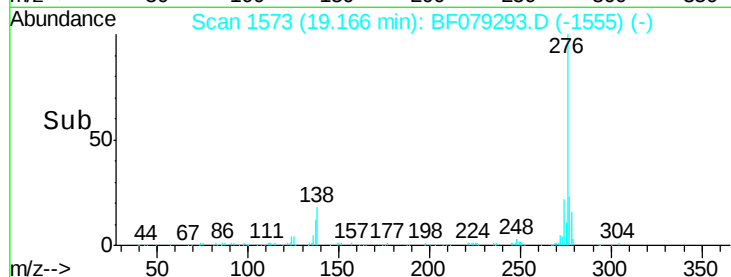
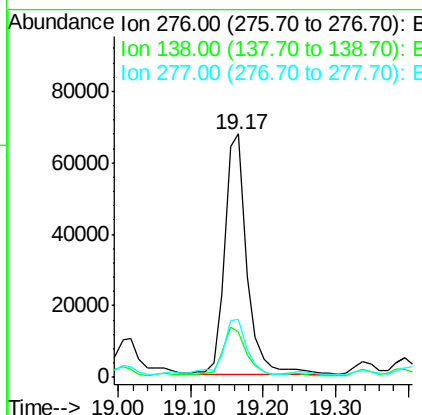
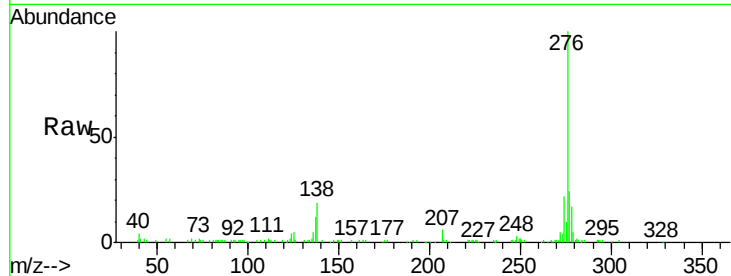
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.61 ng
RT: 19.17 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Instrument :
BNA_F
ClientSampleId :
SB-12DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	21.1	31.7
277	24.9	19.9	29.9

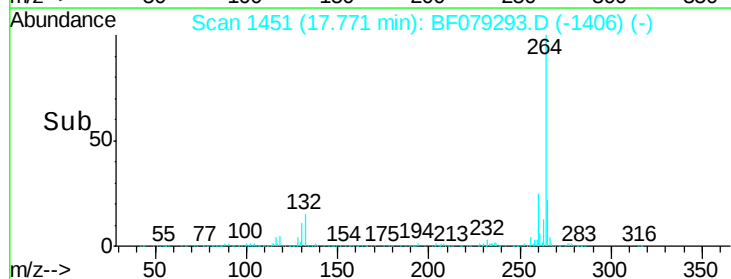
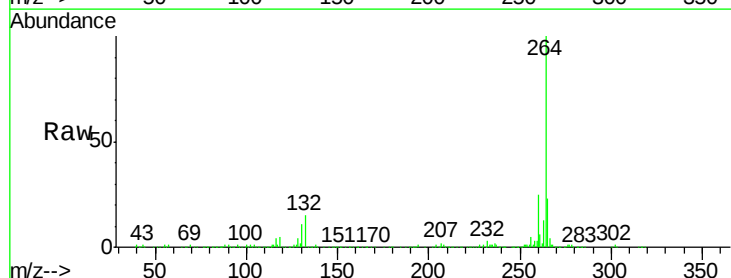
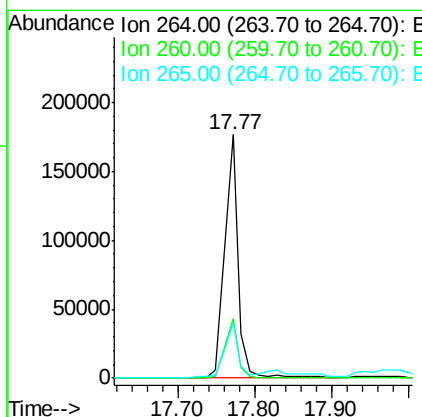
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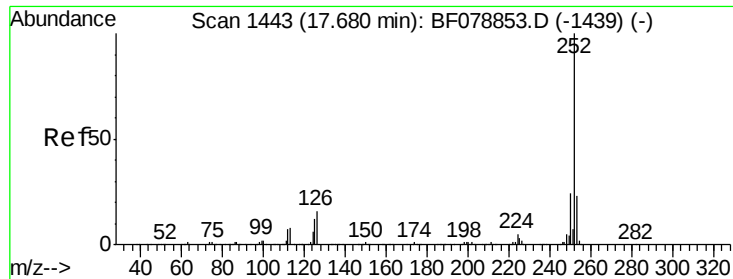
apatel
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF079293.D
Acq: 16 May 2015 4:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.35 ng m

RT: 17.33 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Instrument :

BNA_F

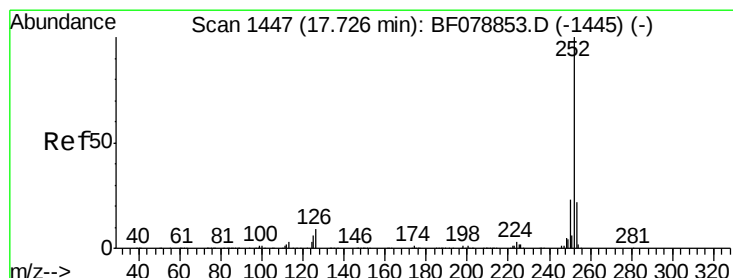
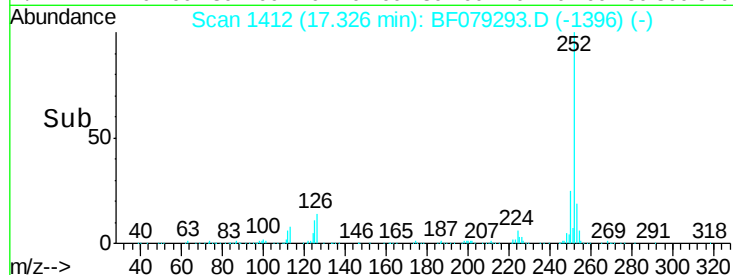
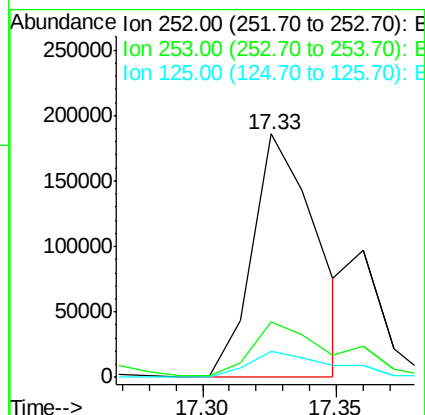
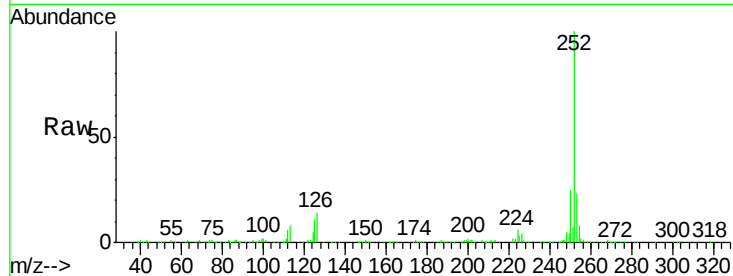
ClientSampled :

SB-12DL

Tot Ion:	252	Resp:	308505
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	10.8	9.4	14.2

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#88

Benzo(k)fluoranthene

Concen: 7.31 ng m

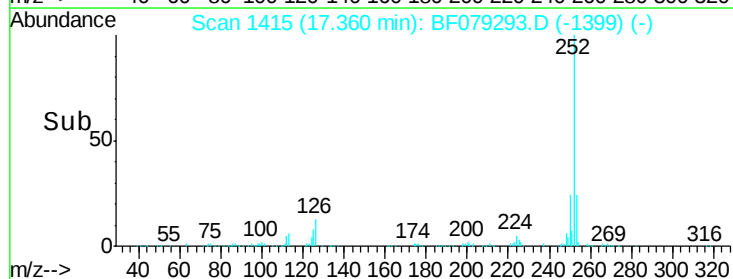
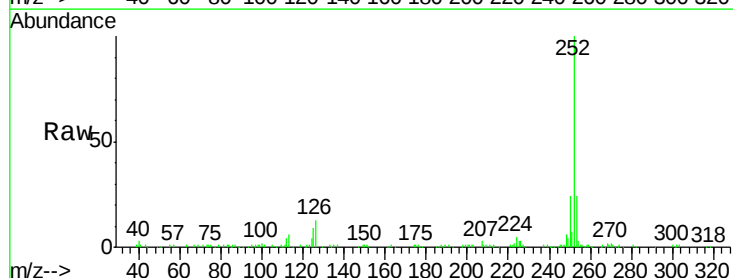
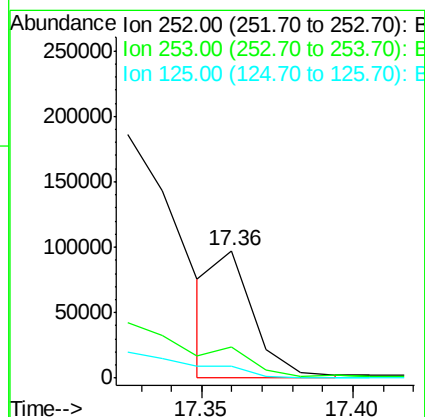
RT: 17.36 min Scan# 1415

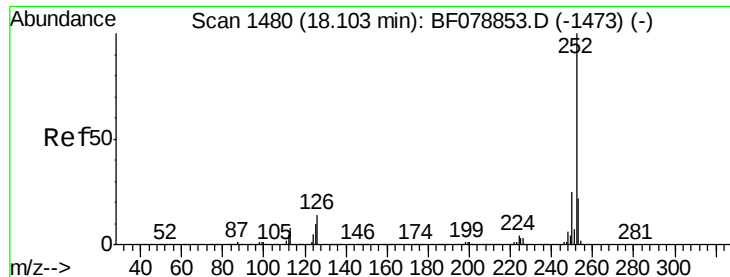
Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Tgt Ion:	252	Resp:	86077
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	8.9	6.1	9.1





#89

Benzo(a)pyrene

Concen: 19.50 ng

RT: 17.70 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Instrument :

BNA_F

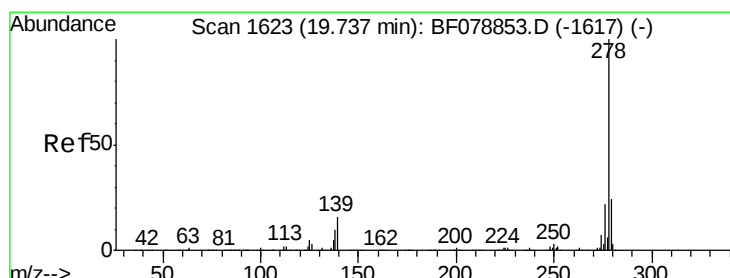
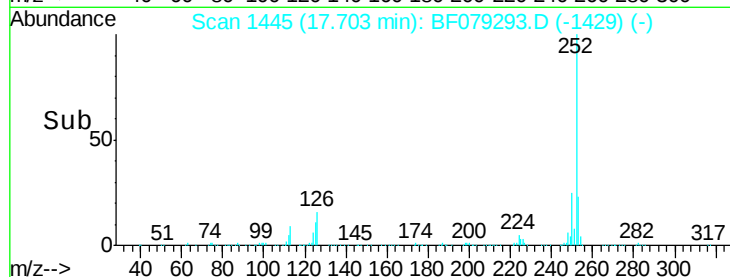
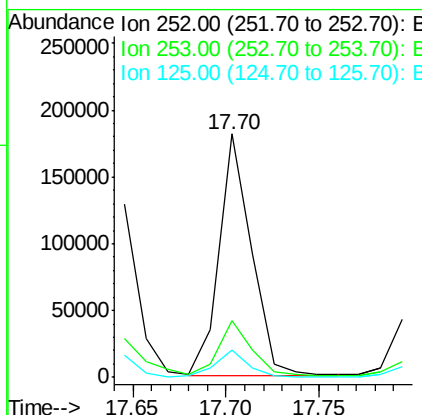
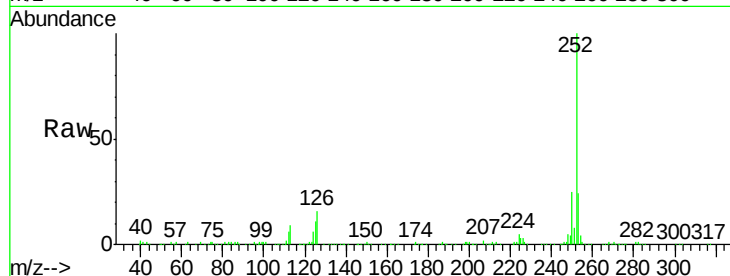
ClientSampleId :

SB-12DL

Tot Ion:	252	Resp:	218447
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.0	27.0
125	11.2	8.2	12.2

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#90

Dibenzo(a,h)anthracene

Concen: 2.77 ng

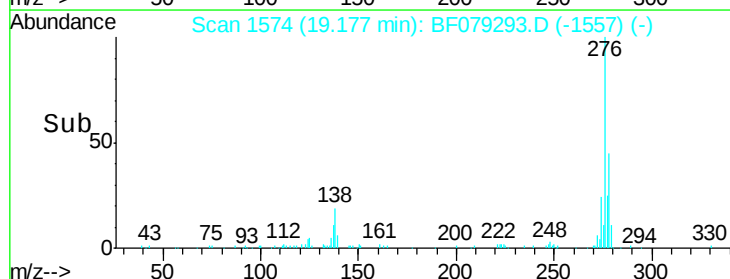
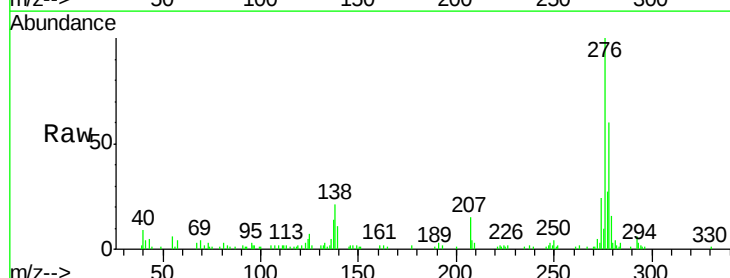
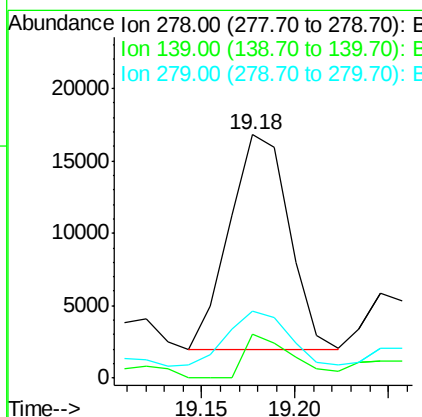
RT: 19.18 min Scan# 1574

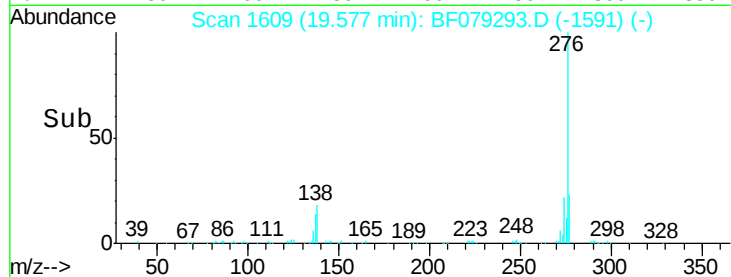
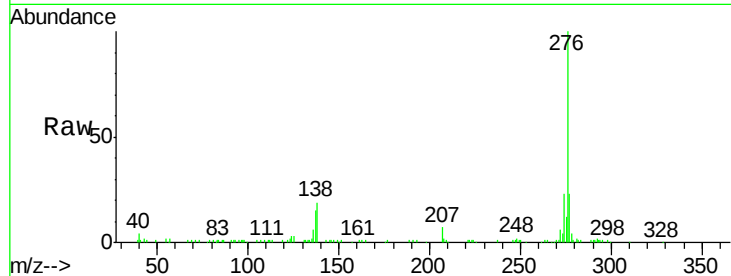
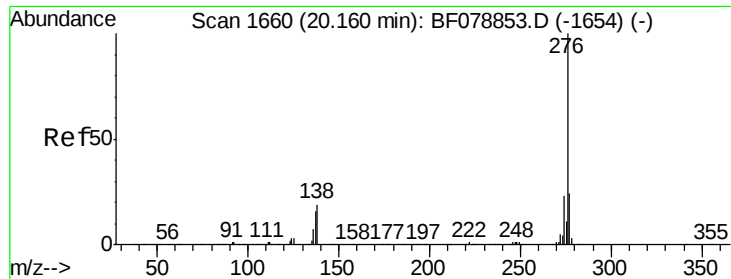
Delta R.T. -0.01 min

Lab File: BF079293.D

Acq: 16 May 2015 4:50

Tgt Ion:	278	Resp:	32927
Ion Ratio	Lower	Upper	
278	100		
139	17.9	13.1	19.7
279	27.6	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 11.55 ng
 RT: 19.58 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BF079293.D
 Acq: 16 May 2015 4:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-12DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	18.8	15.2	22.8

Manual Integrations
 APPROVED

apatel
 5/18/2015 3:41:43 PM

