

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095538.D
 Acq On : 30 May 2017 16:39
 Operator : SJ/MA
 Sample : I3281-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP10-SS4

Manual Integrations
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Quant Time: May 31 03:01:28 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	95570	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	382601	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	165261	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	256027	20.00	ng	0.00
75) Chrysene-d12	18.67	240	219427	20.00	ng	0.00
86) Perylene-d12	20.35	264	180086	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	655217	114.30	ng	0.00
7) Phenol-d6	7.28	99	796567	115.82	ng	-0.01
23) Nitrobenzene-d5	8.64	82	464350	76.53	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	131235	96.96	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	854513	74.42	ng	0.00
78) Terphenyl-d14	17.31	244	511978	51.39	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.80	128	91065	4.74	ng	98
37) 2-Methylnaphthalene	10.92	142	84371	6.69	ng	94
49) Dimethylphthalate	12.22	163	213203	15.71	ng	98
54) Dibenzofuran	12.94	168	42338	2.91	ng	99
70) Phenanthrene	15.03	178	370427	25.18	ng	98
71) Anthracene	15.12	178	73262m	4.88	ng	
72) Carbazole	15.42	167	29373	2.15	ng	97
74) Fluoranthene	16.78	202	473312	31.37	ng	99
77) Pyrene	17.08	202	420231	25.61	ng	96
80) Benzo(a)anthracene	18.66	228	235704	18.46	ng	96
82) Chrysene	18.70	228	251837	20.39	ng	98
85) Indeno(1,2,3-cd)pyrene	21.69	276	102281	10.20	ng	94
87) Benzo(b)fluoranthene	19.94	252	295379m	26.54	ng	
88) Benzo(k)fluoranthene	19.97	252	94501m	8.80	ng	
89) Benzo(a)pyrene	20.29	252	181116	17.64	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	26732	3.15	ng	# 85
91) Benzo(g,h,i)perylene	22.08	276	94273	11.33	ng	99

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

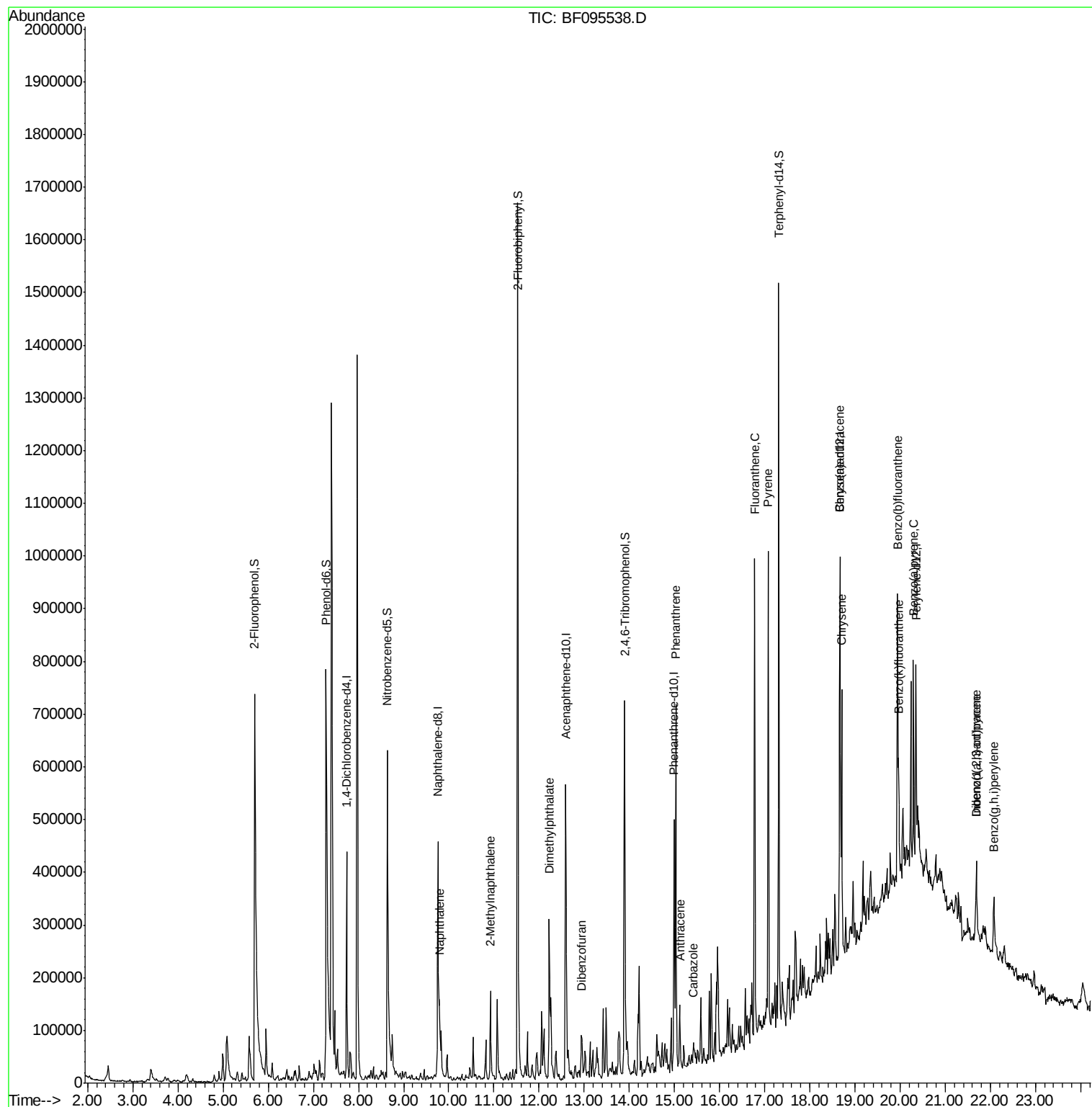
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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ALS Vial : 9 Sample Multiplier: 1

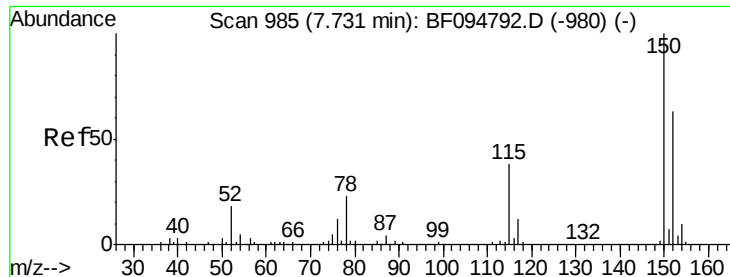
Instrument :
BNA_F
ClientSampled :
R1-TP10-SS4

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#1

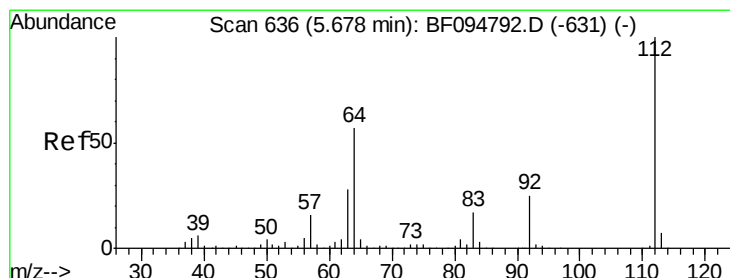
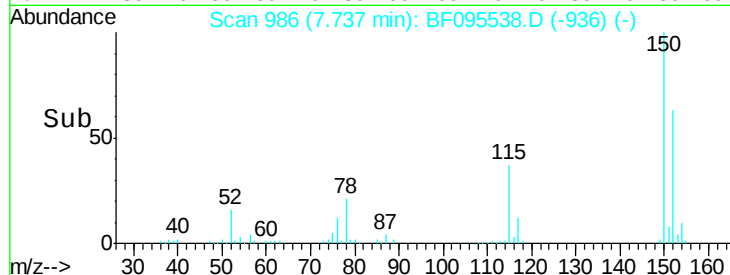
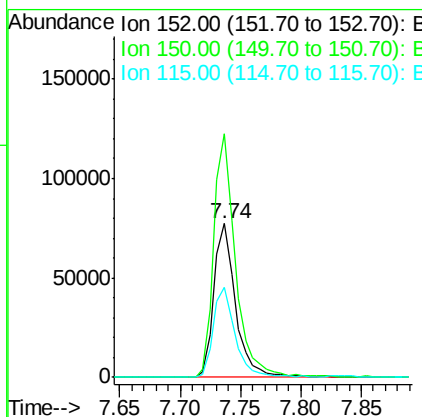
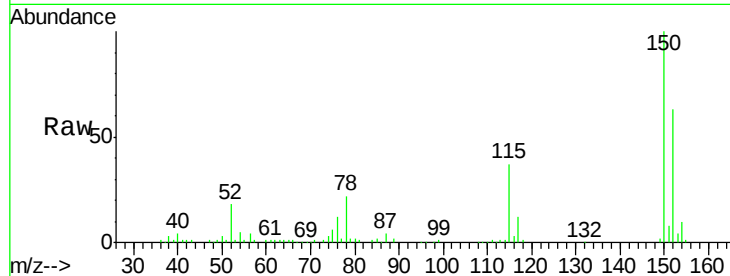
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :
R1-TP10-SS4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	58.7	52.2	78.2

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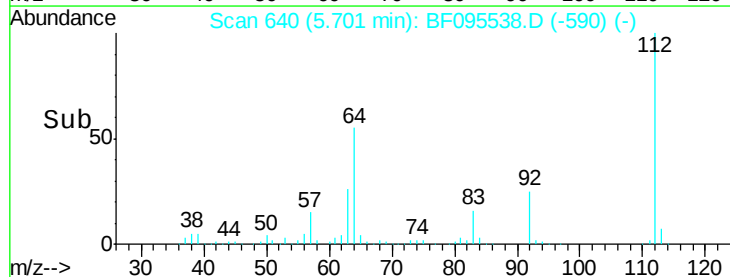
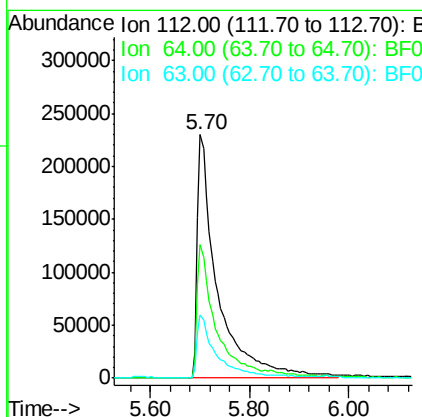
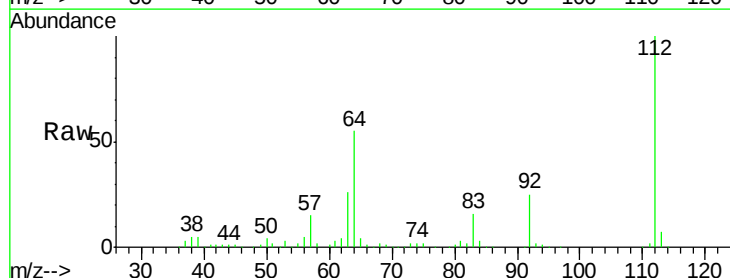
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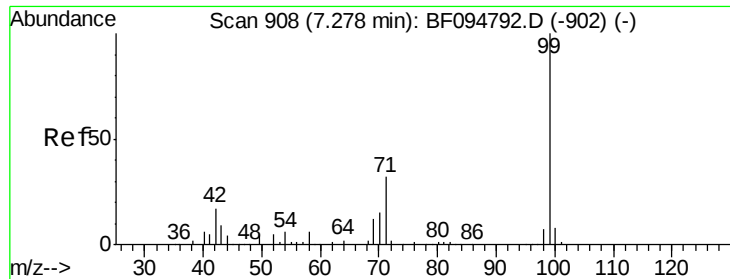


#5

2-Fluorophenol
Concen: 114.30 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.0	69.0
63	26.1	23.4	35.0





#7

Phenol-d6

Concen: 115.82 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Instrument :

BNA_F

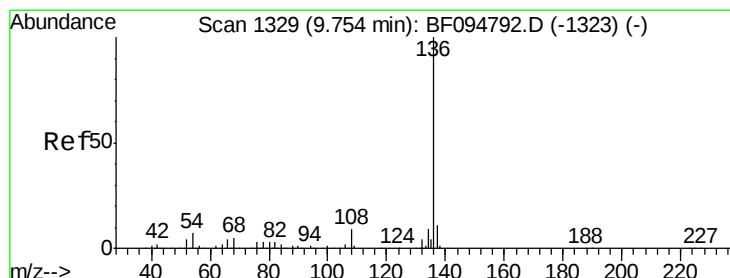
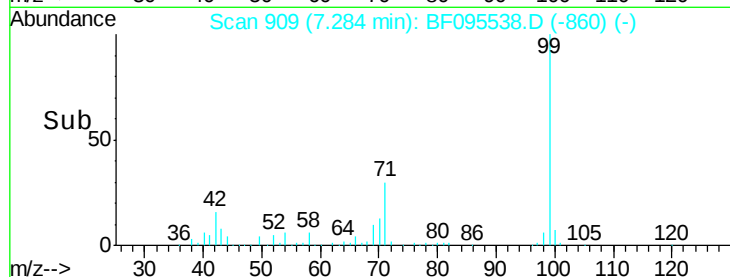
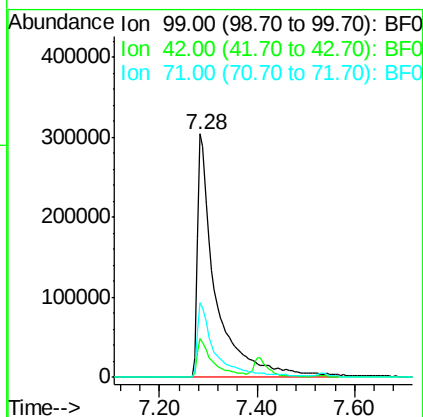
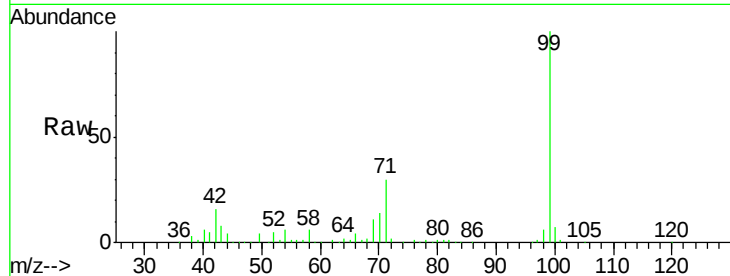
ClientSampleId :

R1-TP10-SS4

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		796567		
42	15.9	13.5	20.3		
71	30.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

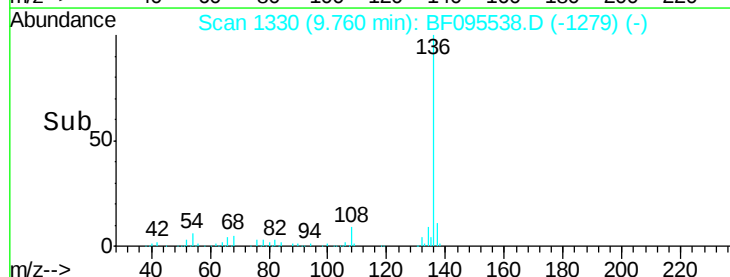
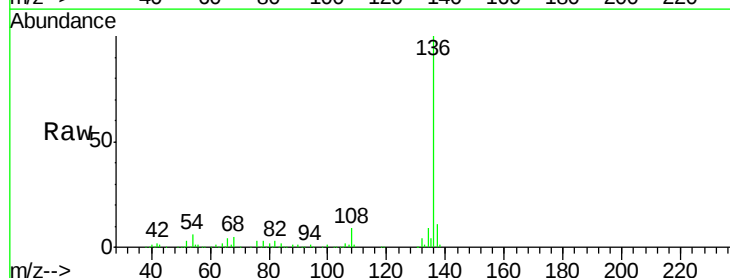
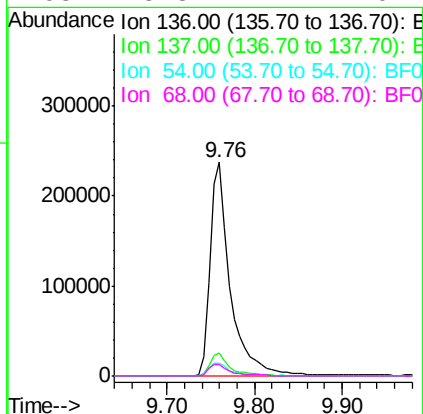
RT: 9.76 min Scan# 1330

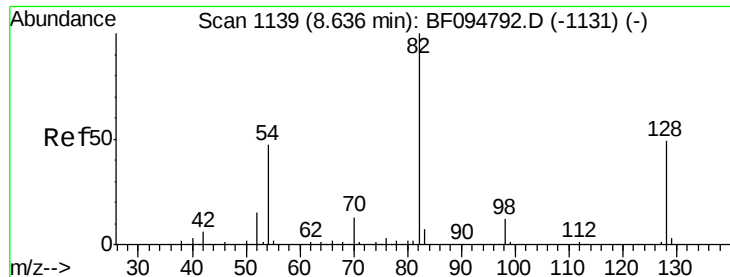
Delta R.T. 0.00 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		382601		
137	10.7	8.5	12.7		
54	6.1	4.9	7.3		
68	5.3	4.1	6.1		





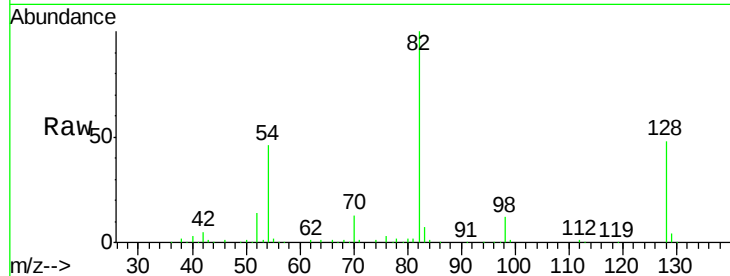
#23
 Nitrobenzene-d5
 Concen: 76.53 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP10-SS4

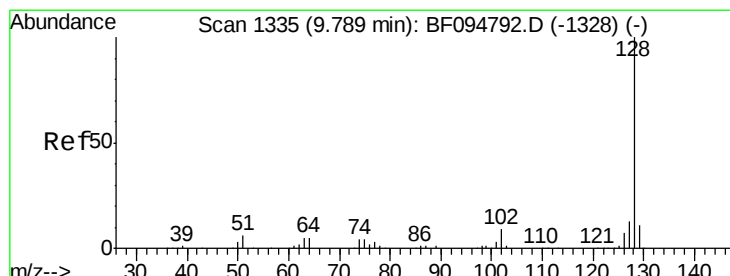
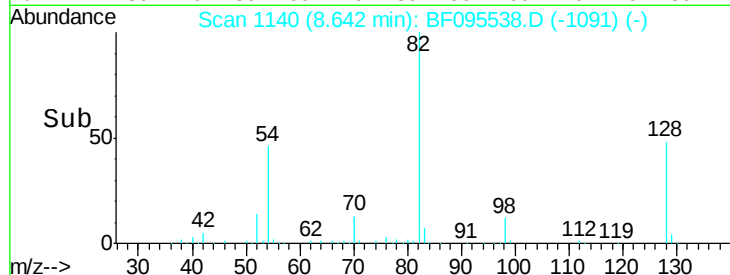
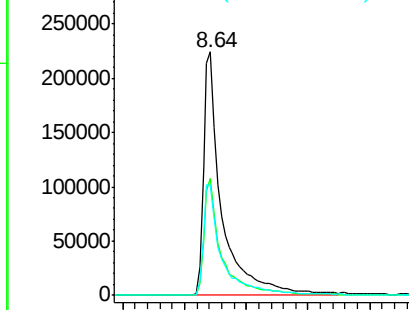
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	464350		
128	48.0	34.0	51.0	
54	45.5	42.2	63.2	

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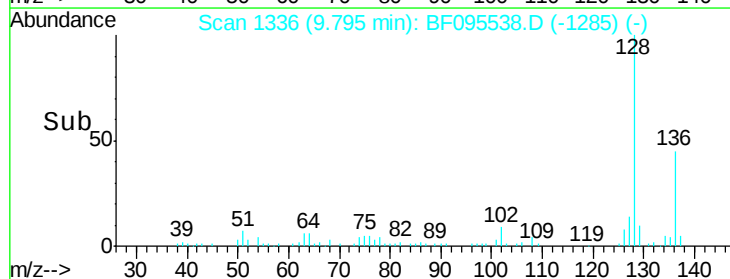
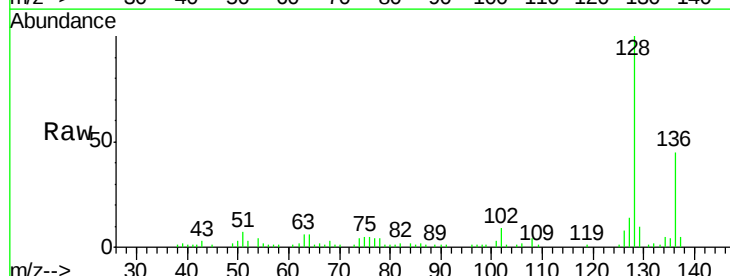
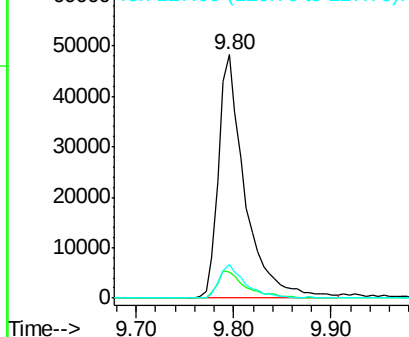
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 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

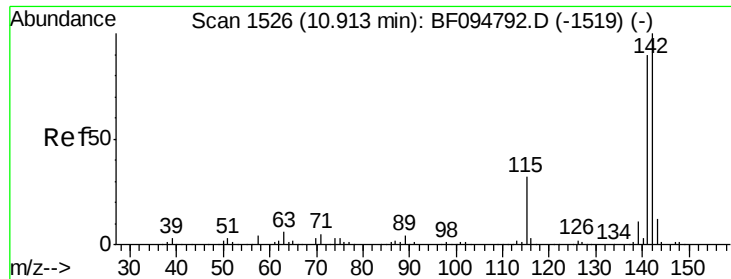


#31
 Naphthalene
 Concen: 4.74 ng
 RT: 9.80 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	91065		
129	10.5	9.0	13.6	
127	14.0	10.8	16.2	

Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





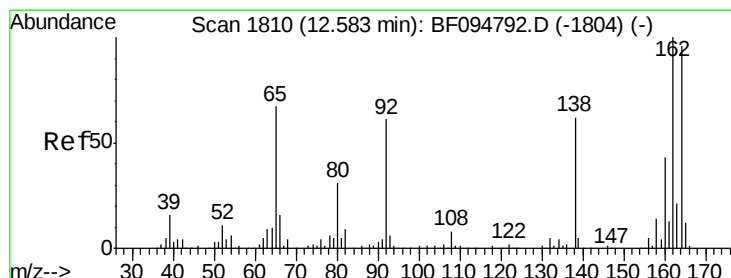
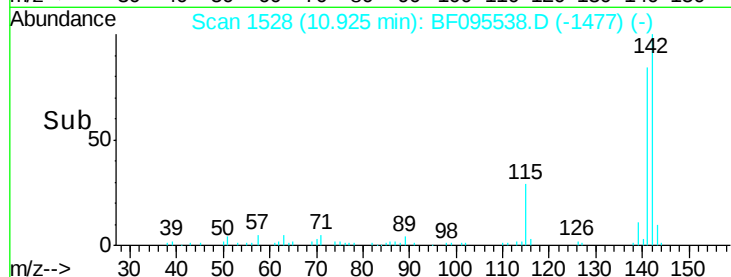
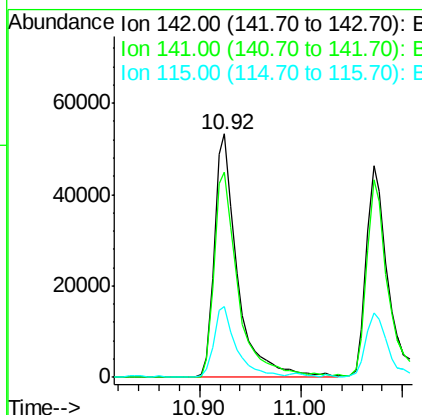
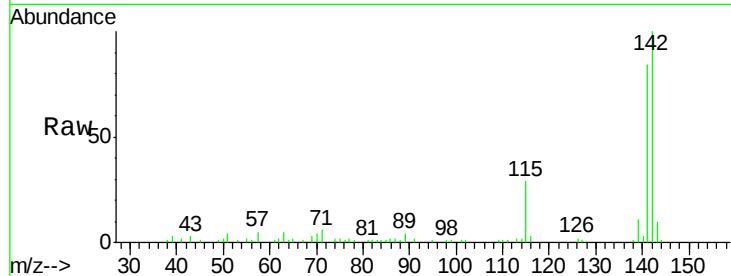
#37
2-Methylnaphthalene
Concen: 6.69 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :
R1-TP10-SS4

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	71.3	106.9
115	29.1	27.1	40.7

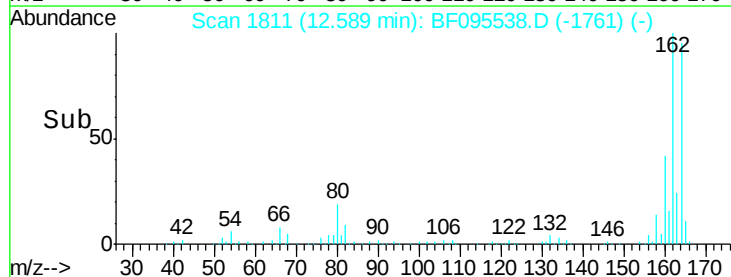
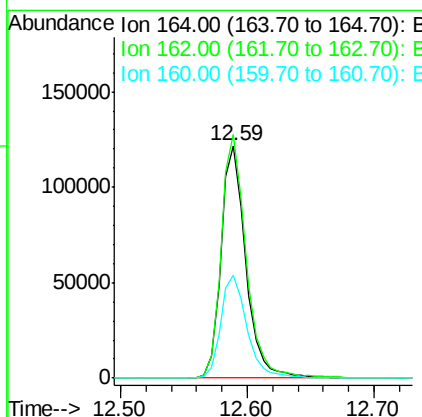
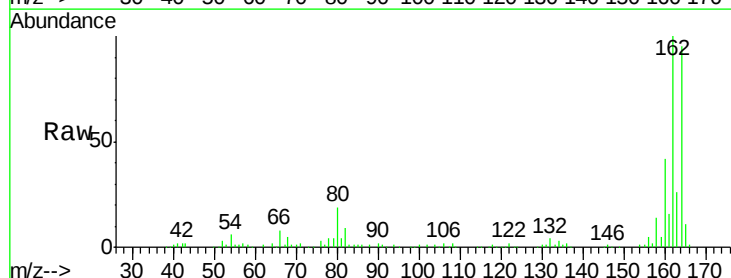
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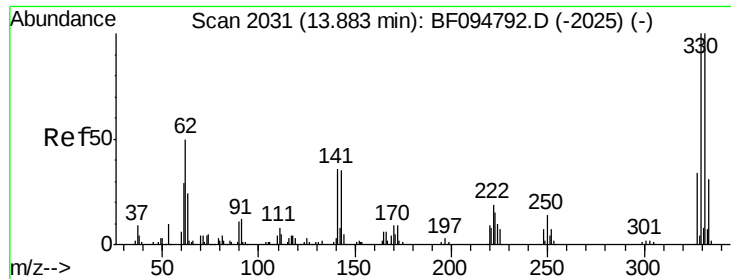
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	44.4	36.2	54.2





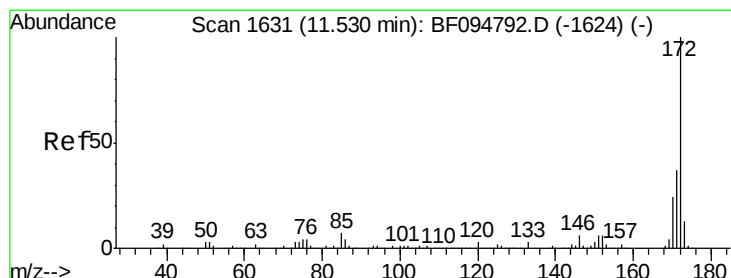
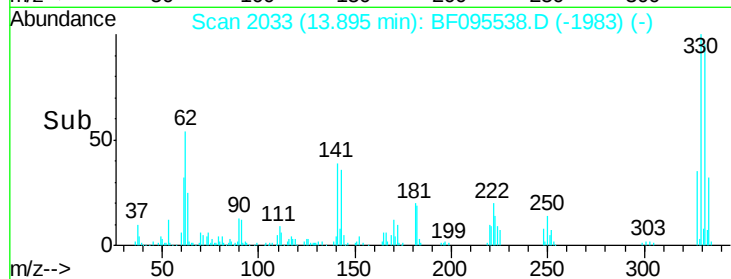
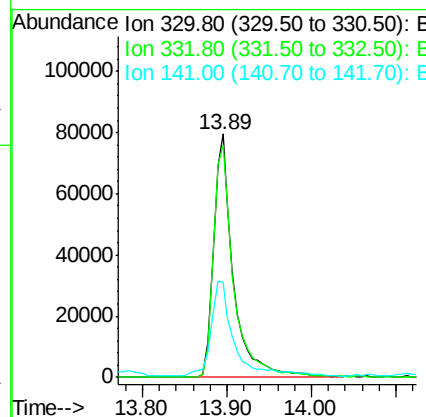
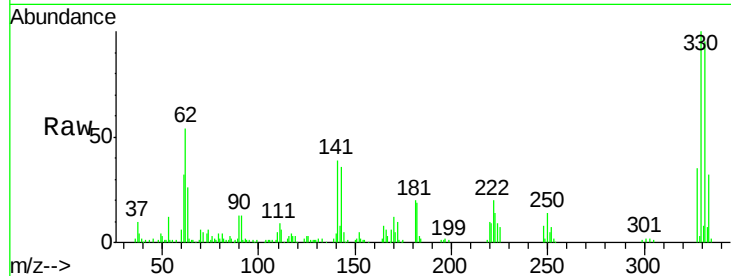
#41
 2,4,6-Tribromophenol
 Concen: 96.96 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP10-SS4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	131235		
332	98.2	76.6	115.0	
141	46.7	31.4	47.2	

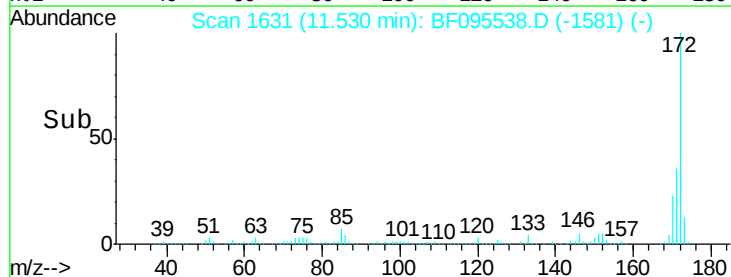
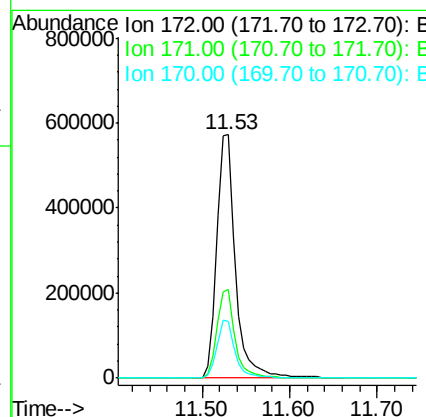
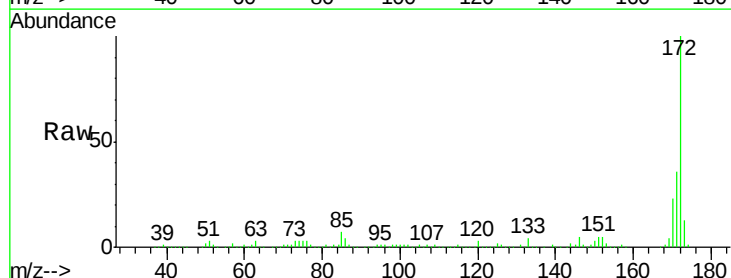
Manual Integrations
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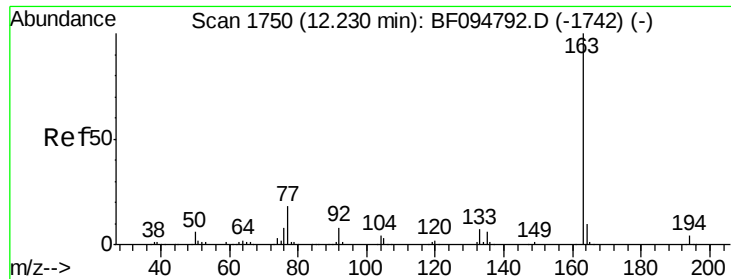
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#44
 2-Fluorobiphenyl
 Concen: 74.42 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	854513		
171	36.3	29.6	44.4	
170	23.3	19.8	29.8	





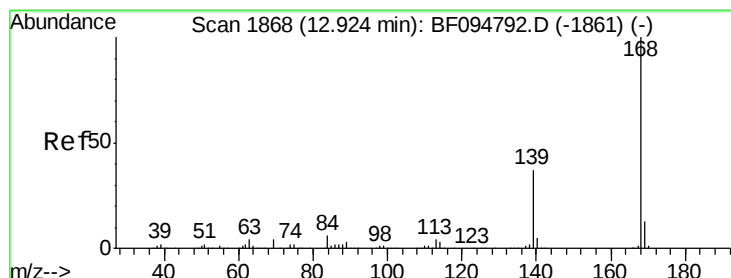
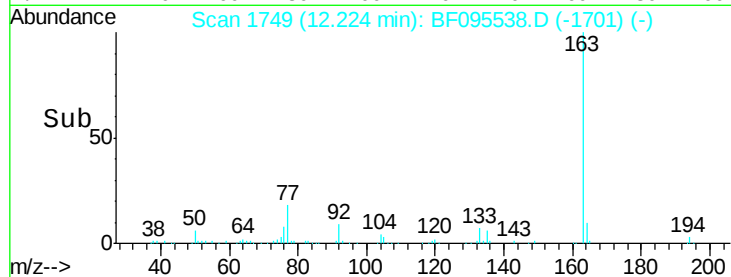
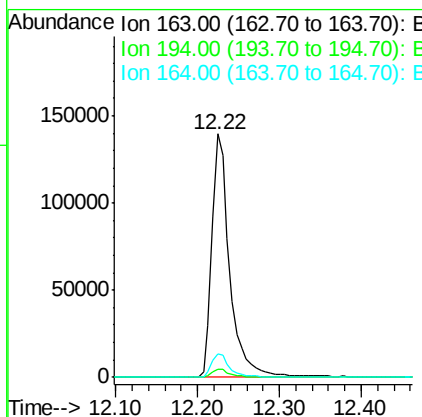
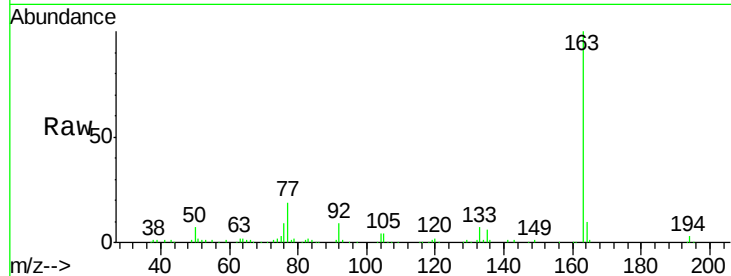
#49
Dimethylphthalate
Concen: 15.71 ng
RT: 12.22 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :
R1-TP10-SS4

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	213203		
194	3.4	2.6	4.0	
164	9.6	8.4	12.6	

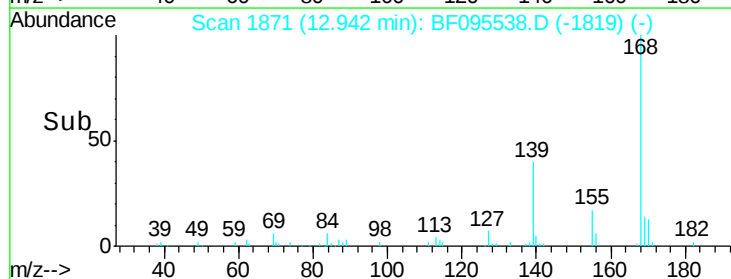
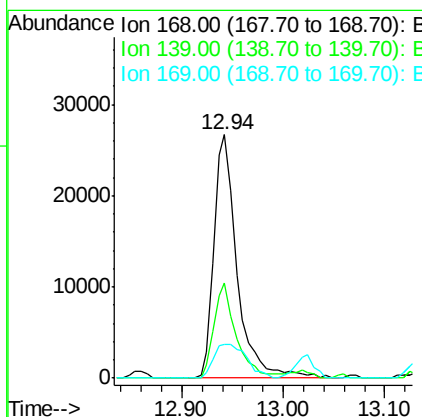
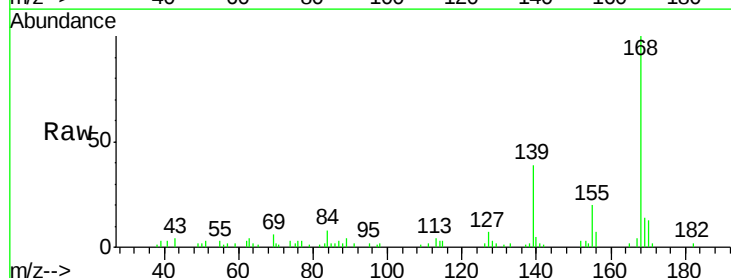
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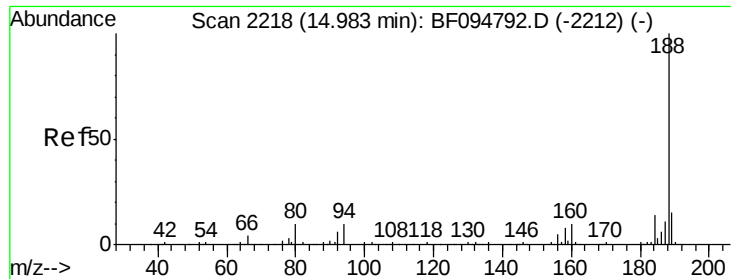
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#54
Dibenzofuran
Concen: 2.91 ng
RT: 12.94 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	42338		
139	39.0	30.6	45.8	
169	13.8	10.8	16.2	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.99 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Instrument :

BNA_F

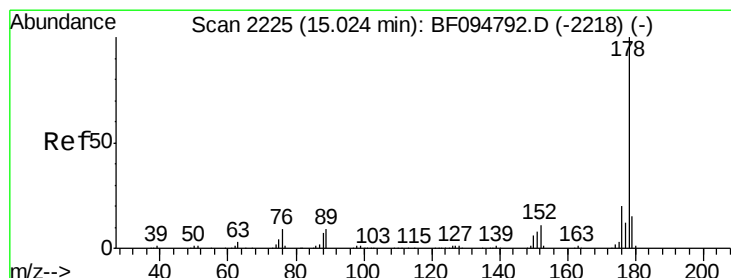
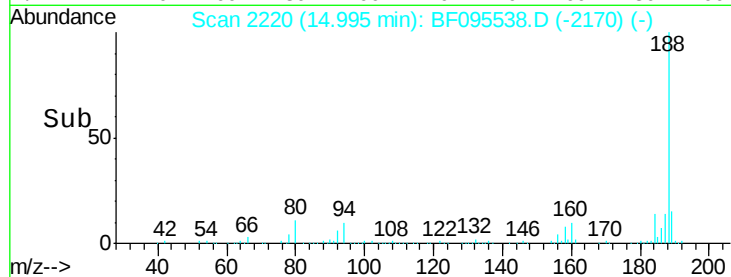
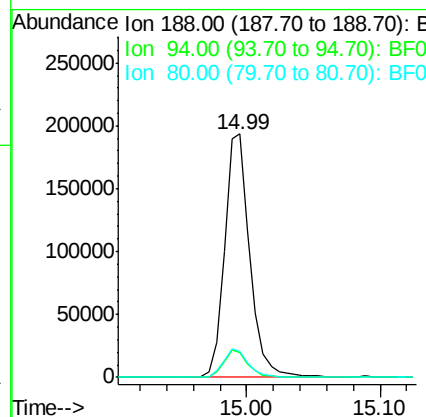
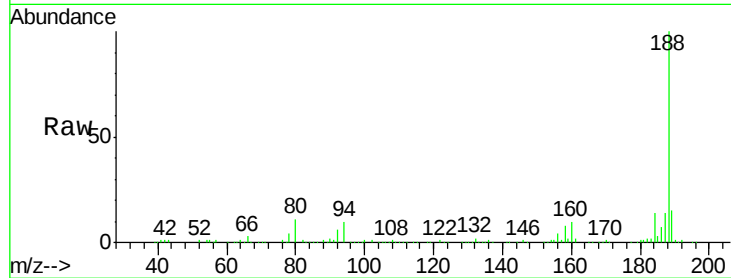
ClientSampleId :

R1-TP10-SS4

Tgt Ion:	188	Resp:	256027
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.2
80	10.7	10.2	15.2

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#70

Phenanthrene

Concen: 25.18 ng

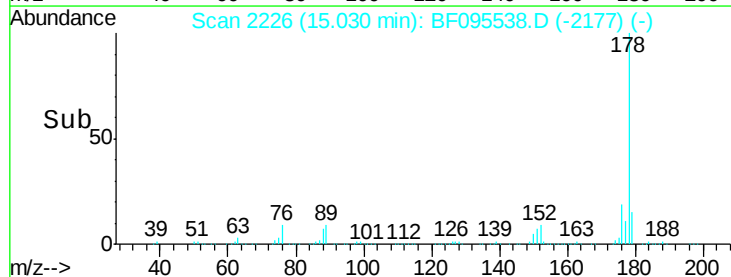
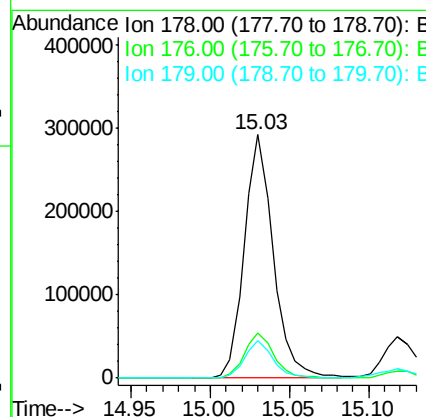
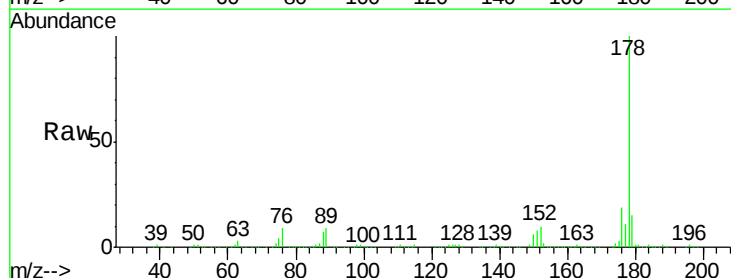
RT: 15.03 min Scan# 2226

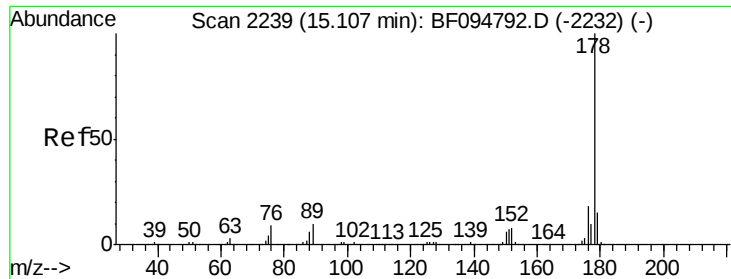
Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Tgt Ion:	178	Resp:	370427
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	15.4	12.6	19.0





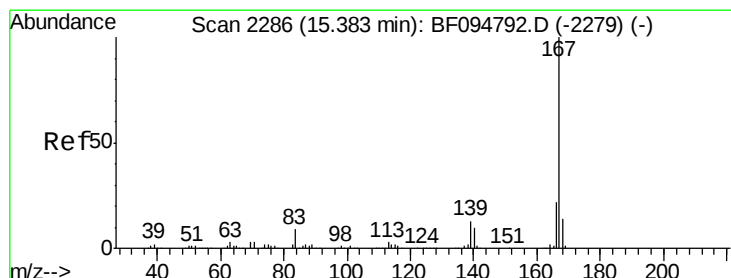
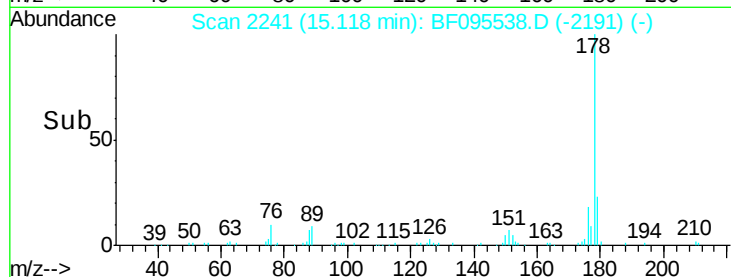
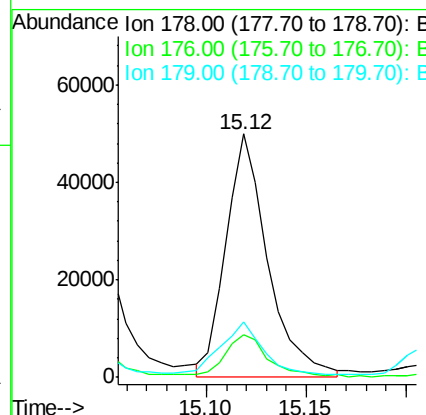
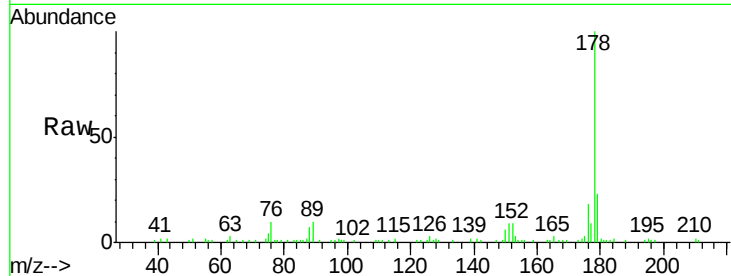
#71
 Anthracene
 Concen: 4.88 ng m
 RT: 15.12 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP10-SS4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	22.7	12.7	19.1

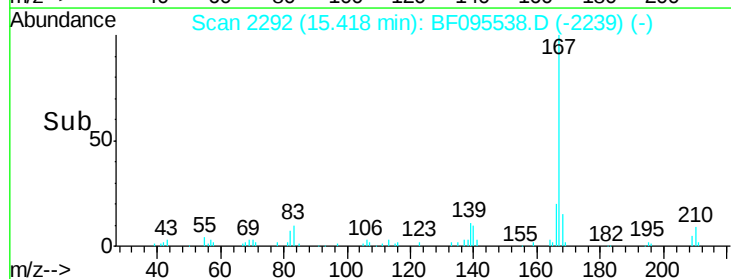
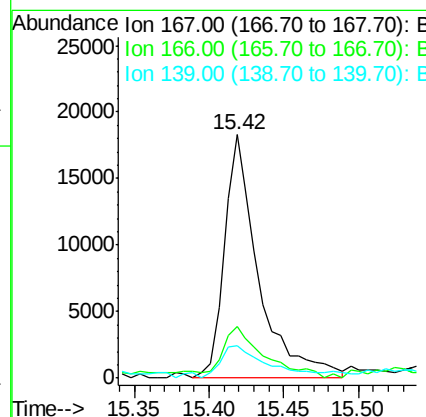
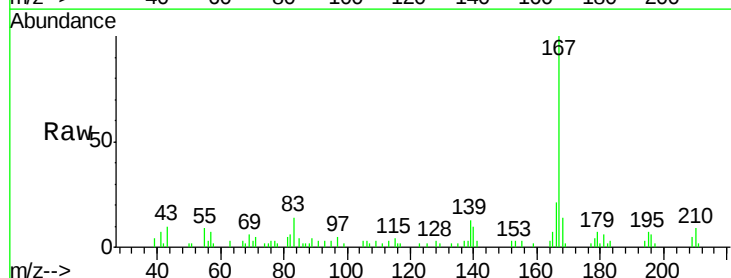
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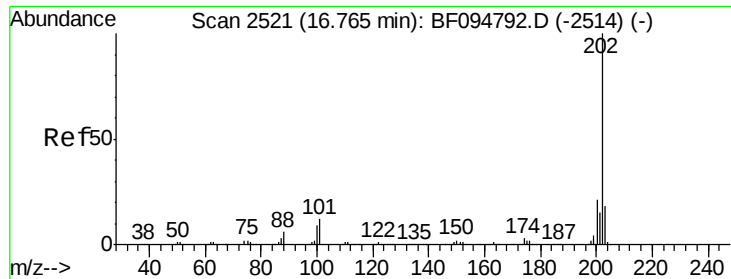
mohammad
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#72
 Carbazole
 Concen: 2.15 ng
 RT: 15.42 min Scan# 2292
 Delta R.T. 0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.1	27.1
139	13.3	11.7	17.5





#74

Fluoranthene

Concen: 31.37 ng

RT: 16.78 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Instrument :

BNA_F

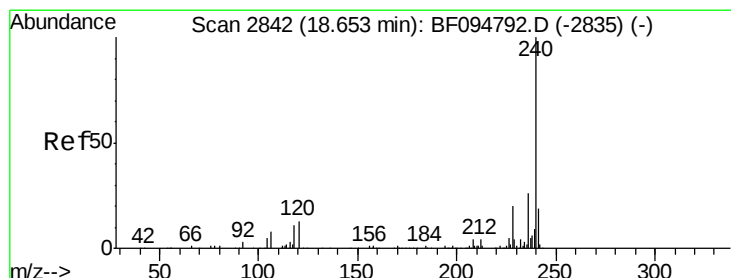
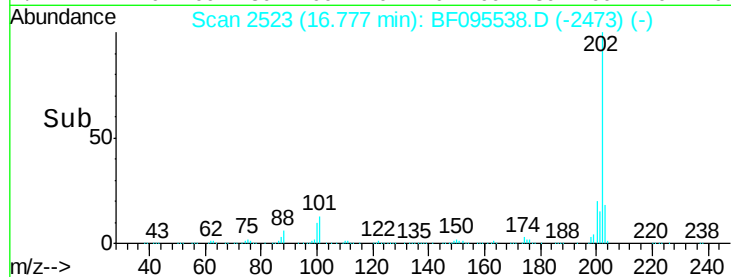
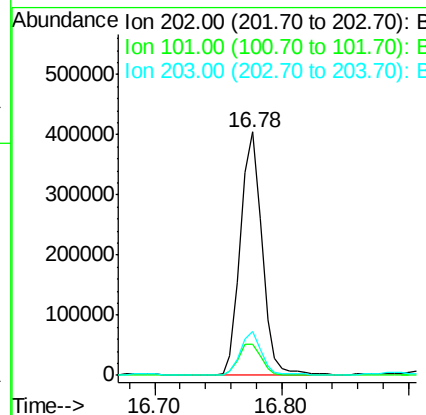
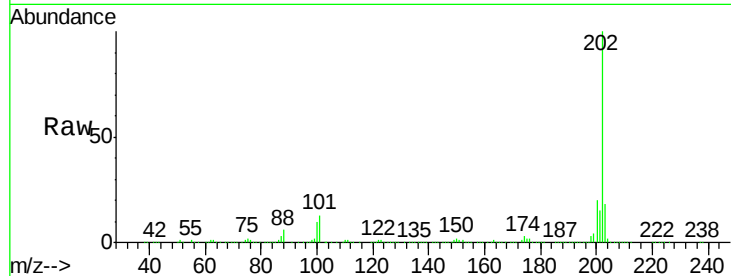
ClientSampleId :

R1-TP10-SS4

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		473312		
101	12.8	0.0	33.2		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

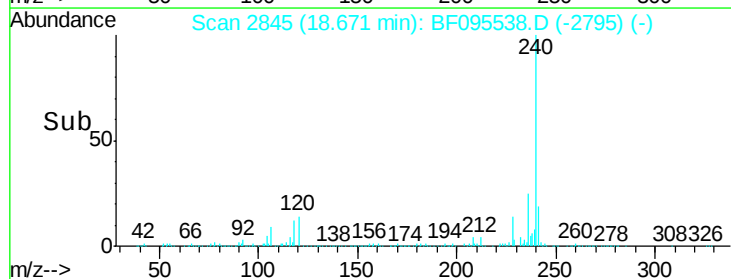
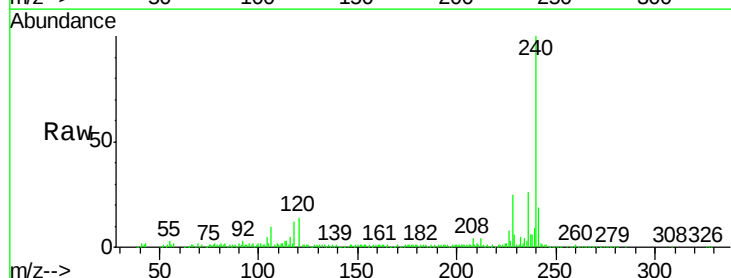
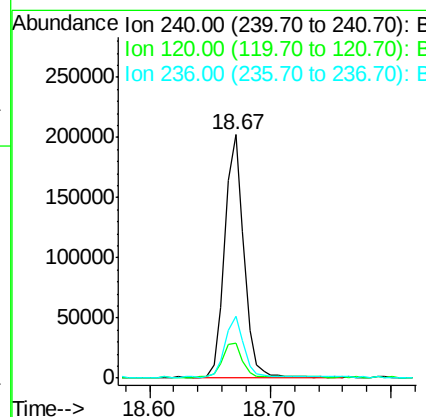
RT: 18.67 min Scan# 2845

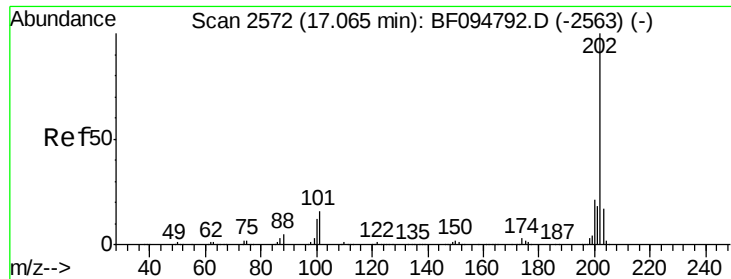
Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		219427		
120	14.2	5.8	8.8#		
236	25.6	20.5	30.7		





#77

Pyrene

Concen: 25.61 ng

RT: 17.08 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Instrument :

BNA_F

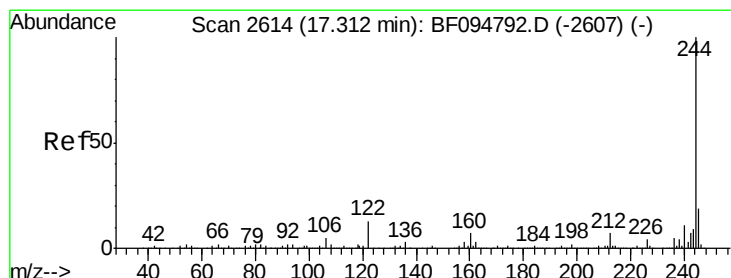
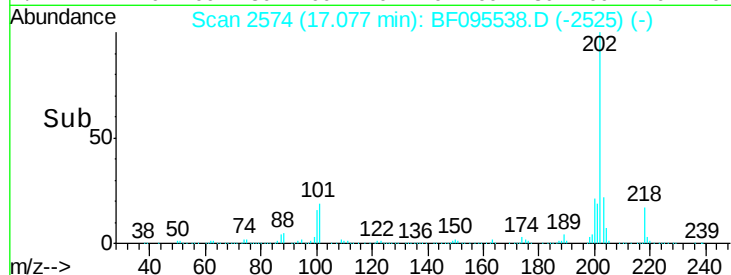
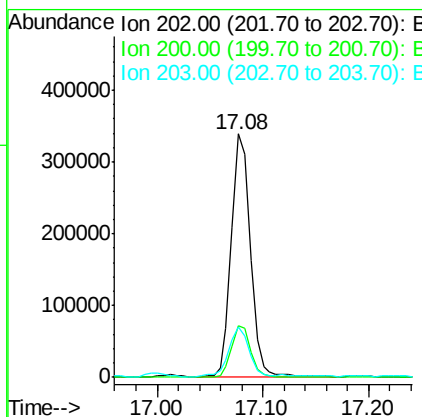
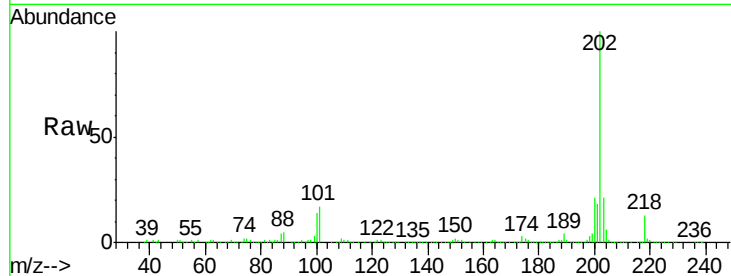
ClientSampleId :

R1-TP10-SS4

Tgt Ion:	202	Resp:	420231
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	20.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 51.39 ng

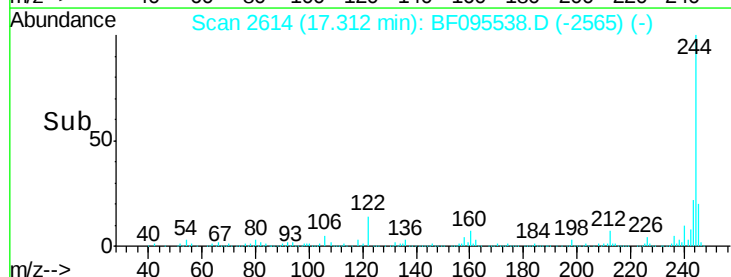
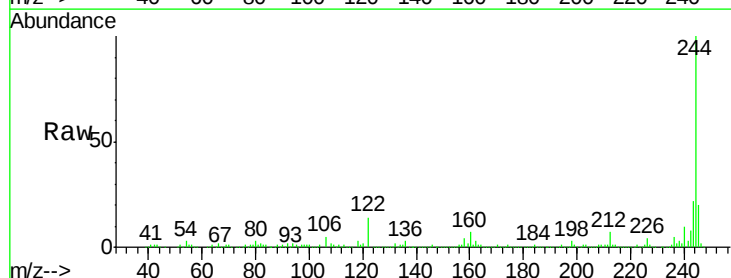
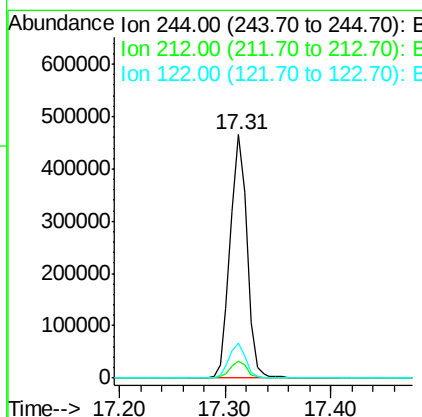
RT: 17.31 min Scan# 2614

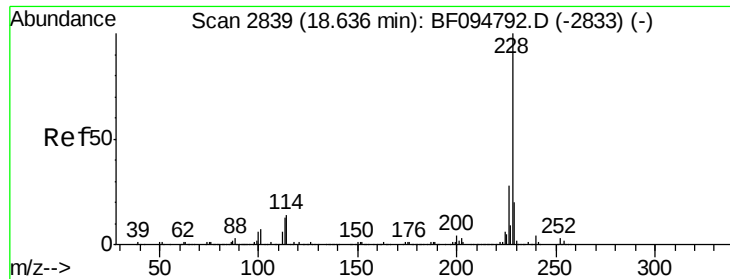
Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Tgt Ion:	244	Resp:	511978
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	14.5	10.3	15.5





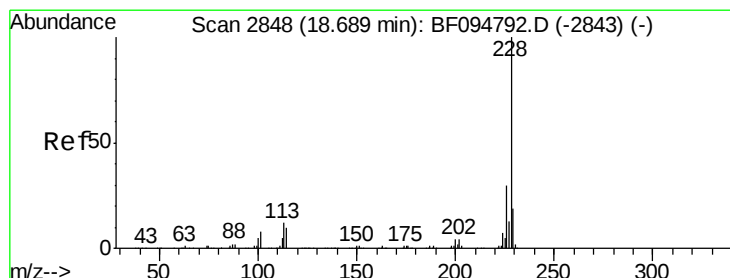
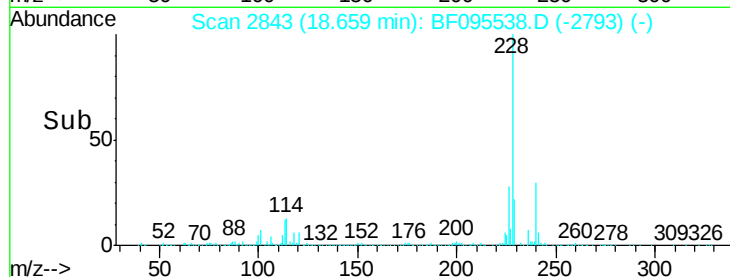
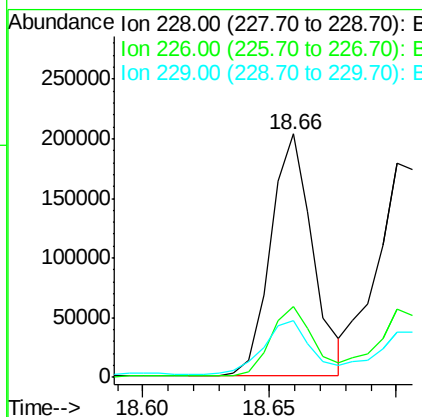
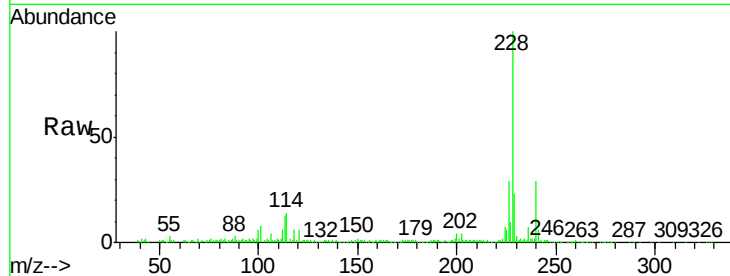
#80
Benzo(a)anthracene
Concen: 18.46 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :
R1-TP10-SS4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	23.1	16.3	24.5

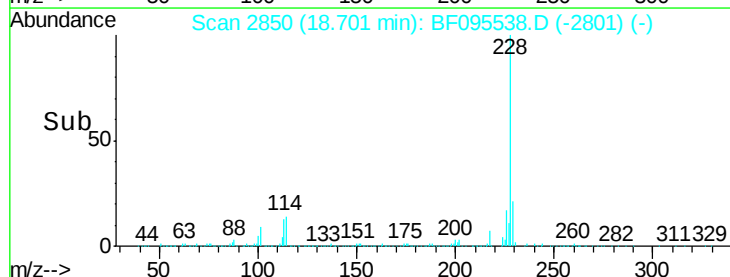
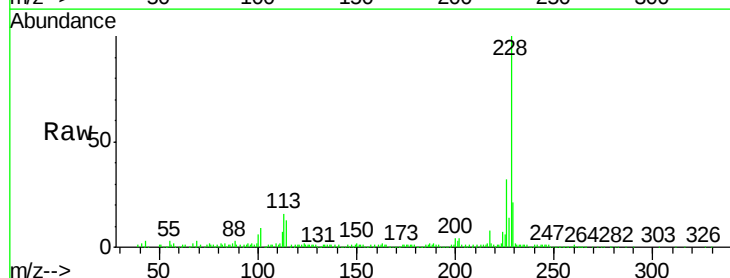
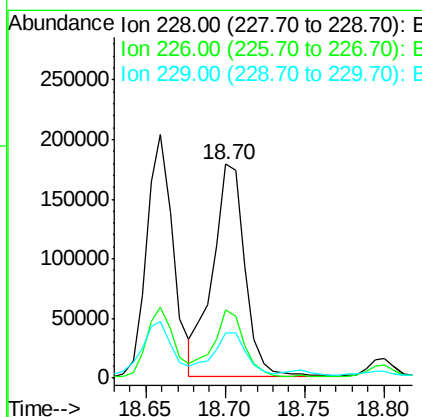
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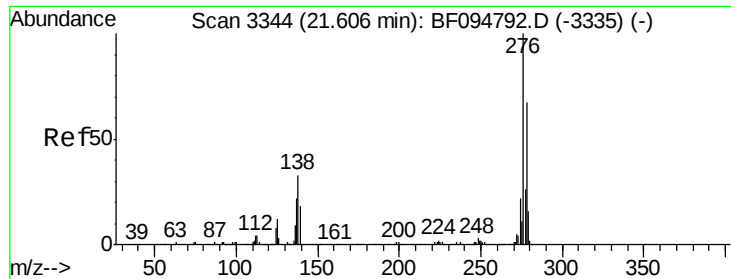
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#82
Chrysene
Concen: 20.39 ng
RT: 18.70 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	21.3	15.8	23.6





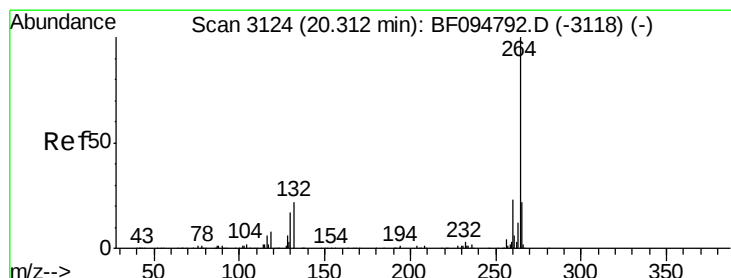
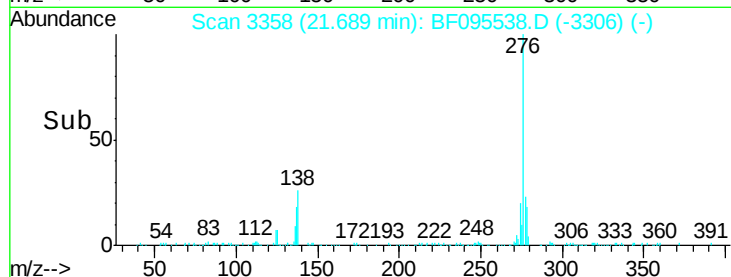
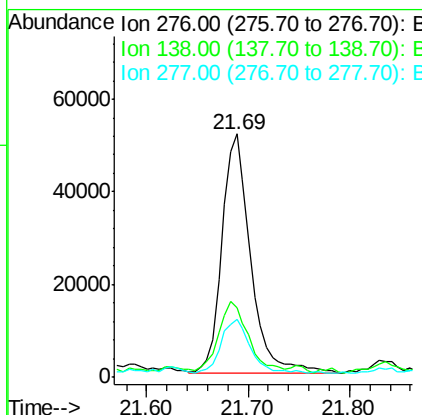
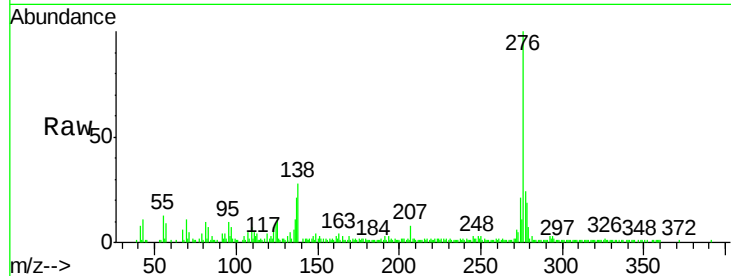
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.20 ng
 RT: 21.69 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP10-SS4

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	102281		
138	29.9	27.8	41.6	
277	23.7	20.2	30.4	

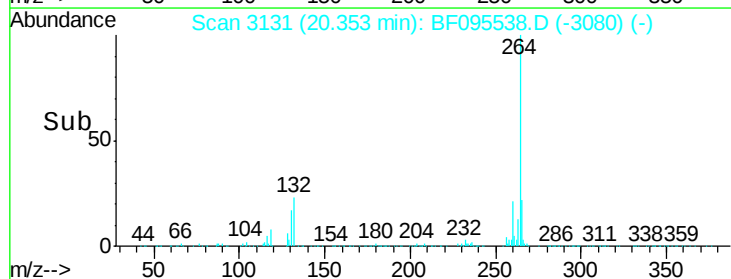
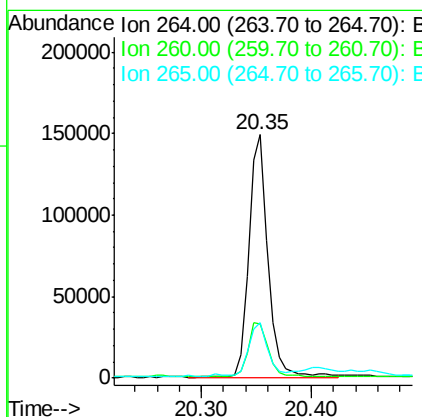
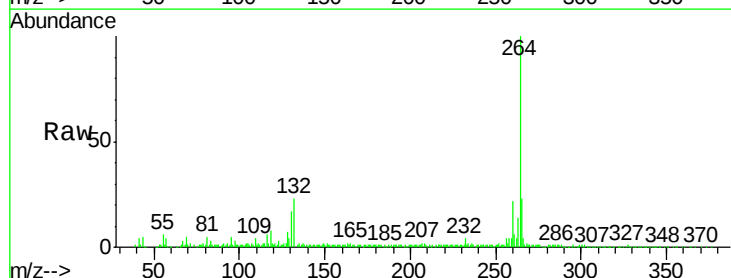
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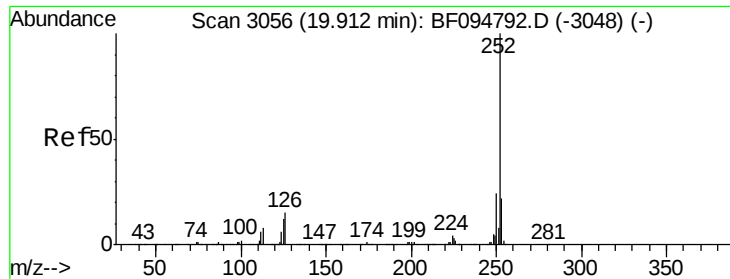
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. 0.00 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	180086		
260	22.0	19.5	29.3	
265	22.8	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 26.54 ng m

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Instrument :

BNA_F

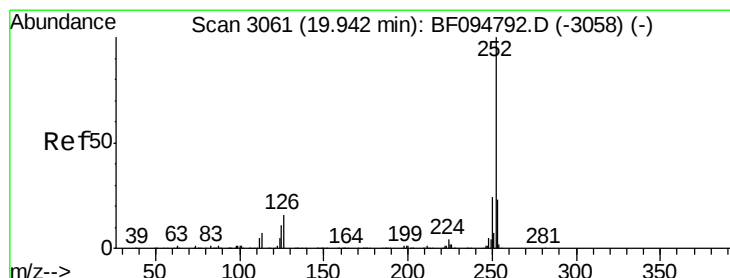
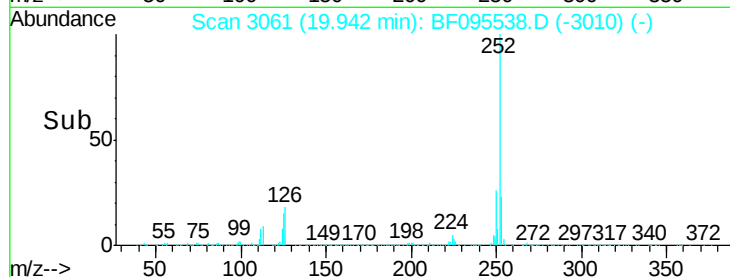
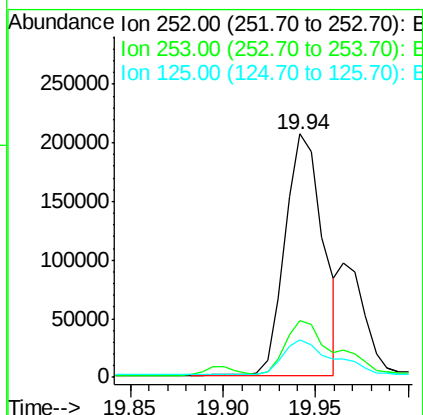
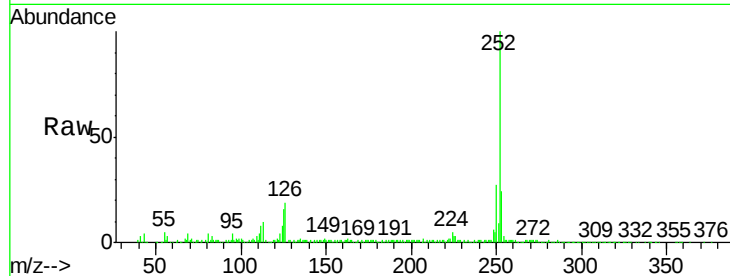
ClientSampleId :

R1-TP10-SS4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	15.6	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 8.80 ng m

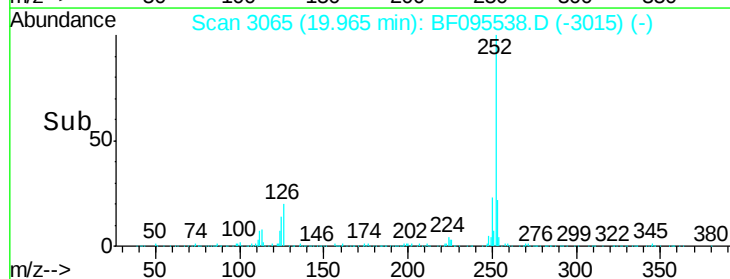
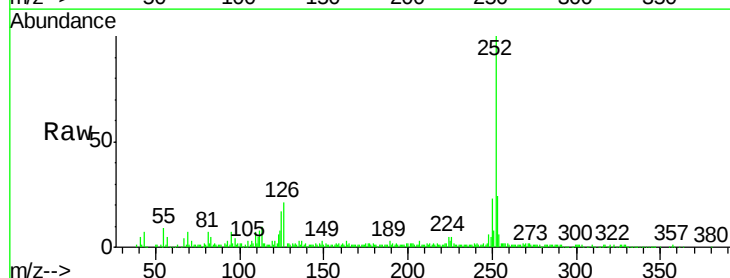
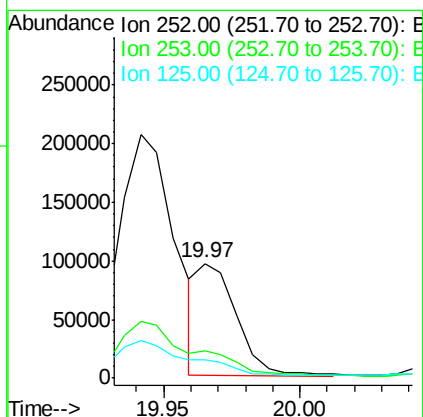
RT: 19.97 min Scan# 3065

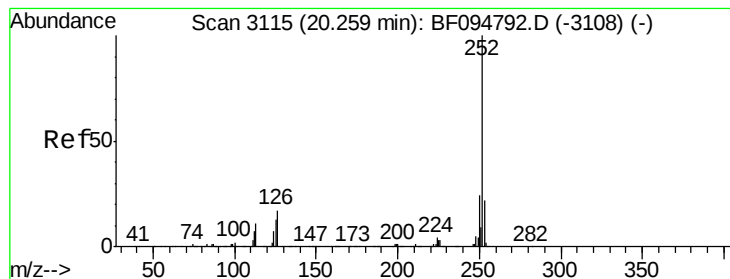
Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	16.5	13.1	19.7





#89

Benzo(a)pyrene

Concen: 17.64 ng

RT: 20.29 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BF095538.D

Acq: 30 May 2017 16:39

Instrument :

BNA_F

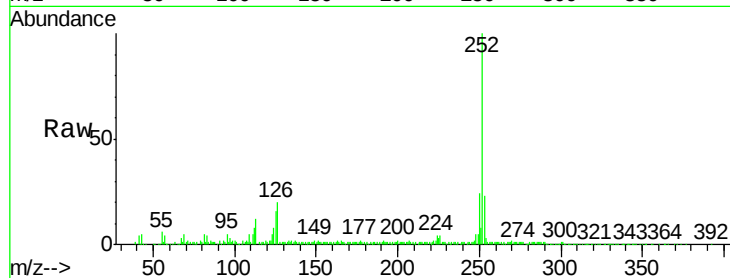
ClientSampleId :

R1-TP10-SS4

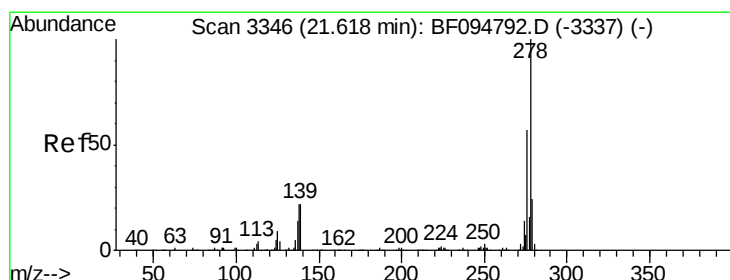
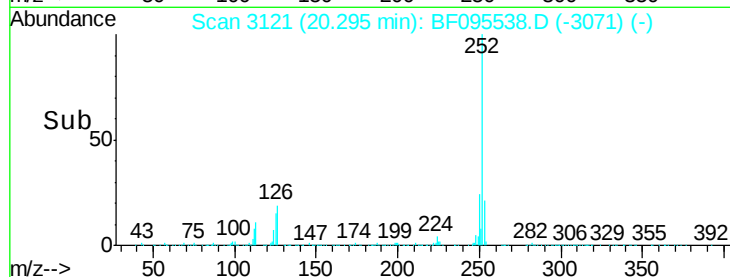
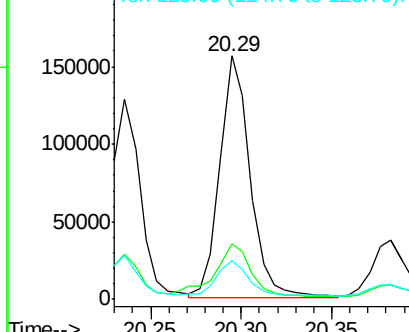
Tgt Ion:	252	Resp:	181116
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	15.8	11.0	16.4

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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



#90

Dibenzo(a,h)anthracene

Concen: 3.15 ng

RT: 21.68 min Scan# 3356

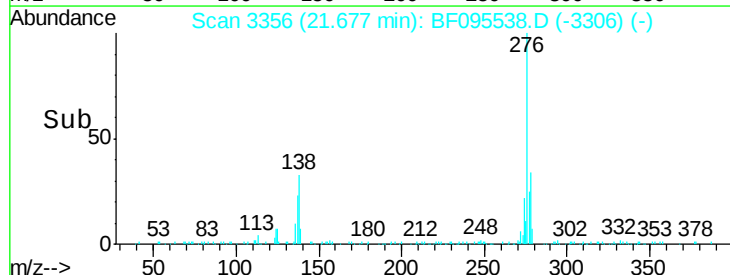
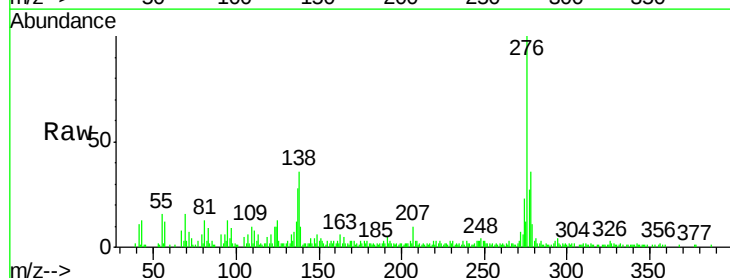
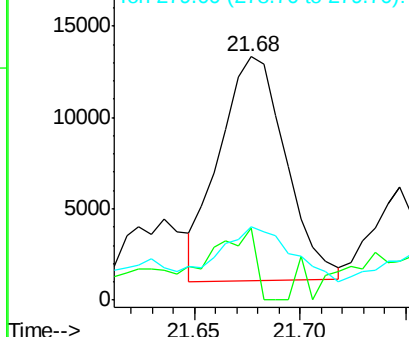
Delta R.T. -0.01 min

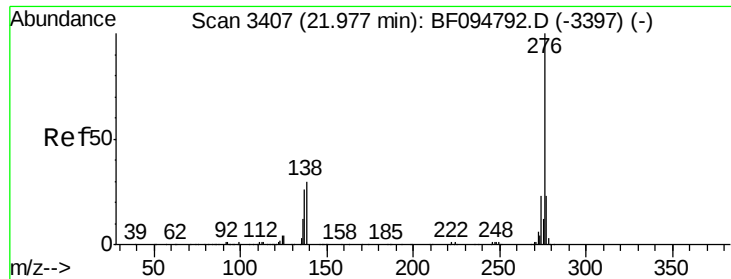
Lab File: BF095538.D

Acq: 30 May 2017 16:39

Tgt Ion:	278	Resp:	26732
Ion Ratio	Lower	Upper	
278	100		
139	29.4	16.6	24.8#
279	30.2	19.3	28.9#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 11.33 ng
 RT: 22.08 min Scan# 3424
 Delta R.T. 0.01 min
 Lab File: BF095538.D
 Acq: 30 May 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP10-SS4

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	31.7	25.4	38.0

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