

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095402.D
 Acq On : 24 May 2017 22:11
 Operator : SJ/MA
 Sample : I3281-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-1-SS-1

Manual Integrations
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Quant Time: May 25 04:52:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	83179	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	295773	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	115915	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	186254	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	186238	20.00	ng	-0.02
86) Perylene-d12	20.36	264	118330	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	588534	117.96	ng	-0.02
7) Phenol-d6	7.30	99	694951	116.09	ng	-0.02
23) Nitrobenzene-d5	8.65	82	386086	82.31	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	103796	109.34	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	660276	81.99	ng	-0.02
78) Terphenyl-d14	17.32	244	474757	56.15	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.81	128	55480	3.73	ng	98
37) 2-Methylnaphthalene	10.94	142	45584	4.67	ng	97
49) Dimethylphthalate	12.24	163	113546	11.93	ng	98
51) Acenaphthene	12.65	154	24069	3.26	ng	94
54) Dibenzofuran	12.95	168	31519	3.09	ng	99
57) Fluorene	13.51	166	27715	3.12	ng	96
70) Phenanthrene	15.04	178	345616	32.30	ng	97
71) Anthracene	15.13	178	80694	7.38	ng	97
72) Carbazole	15.42	167	37590	3.78	ng	95
74) Fluoranthene	16.78	202	464301	42.30	ng	98
77) Pyrene	17.09	202	422931	30.36	ng	97
80) Benzo(a)anthracene	18.67	228	198293	18.29	ng	98
82) Chrysene	18.71	228	184261	17.58	ng	98
85) Indeno(1,2,3-cd)pyrene	21.69	276	54384	6.39	ng	97
87) Benzo(b)fluoranthene	19.95	252	154037m	21.07	ng	
88) Benzo(k)fluoranthene	19.98	252	57068m	8.09	ng	
89) Benzo(a)pyrene	20.30	252	105343	15.61	ng	95
90) Dibenzo(a,h)anthracene	21.69	278	16243	2.92	ng	# 76
91) Benzo(a,h,i)perylene	22.08	276	52995	9.69	ng	97

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

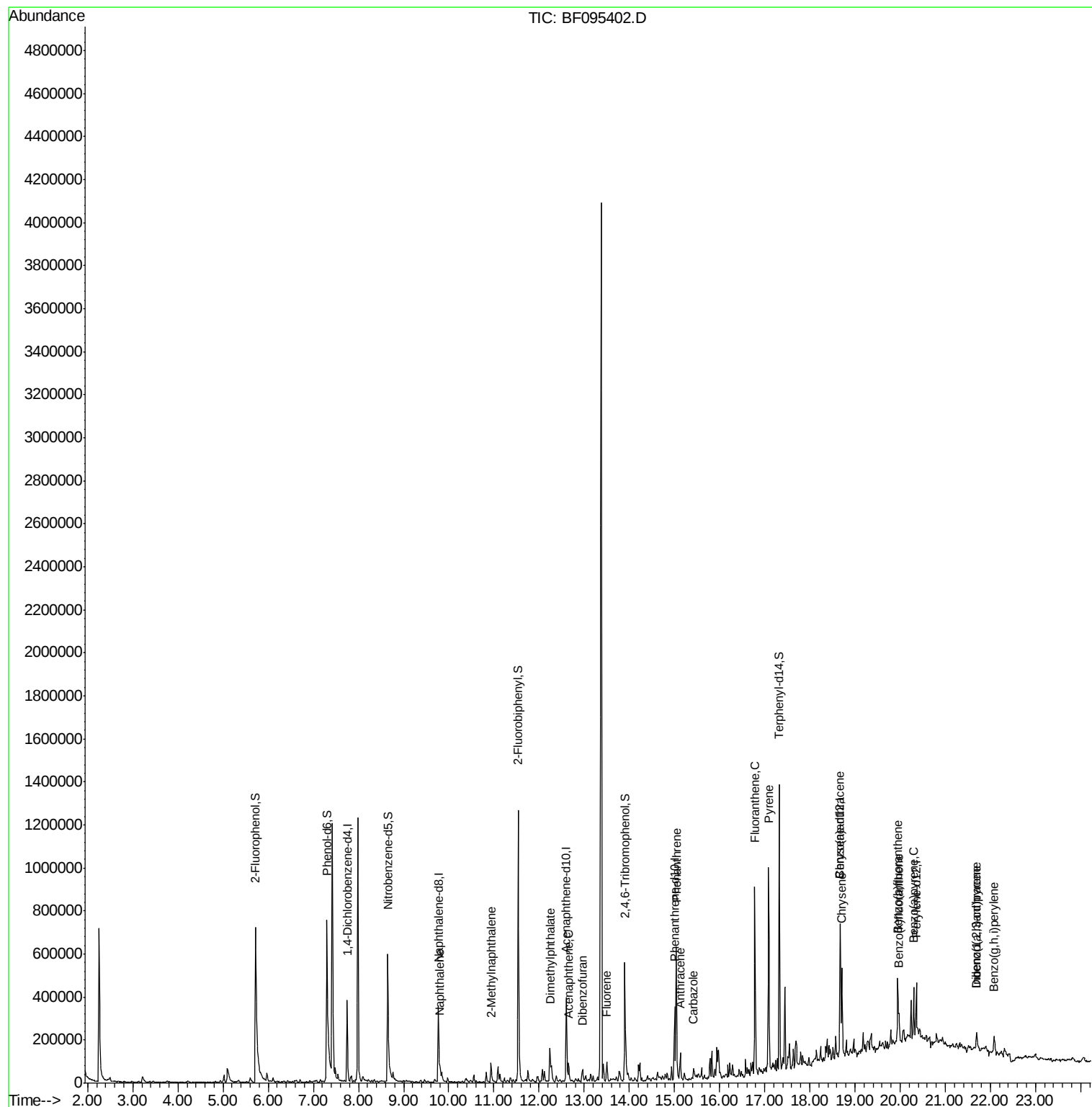
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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#1

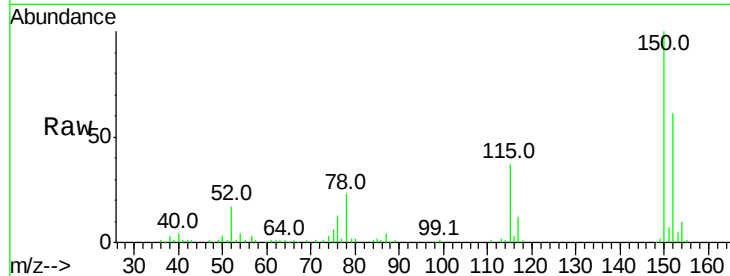
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.9	126.2	189.2
115	60.6	52.2	78.2

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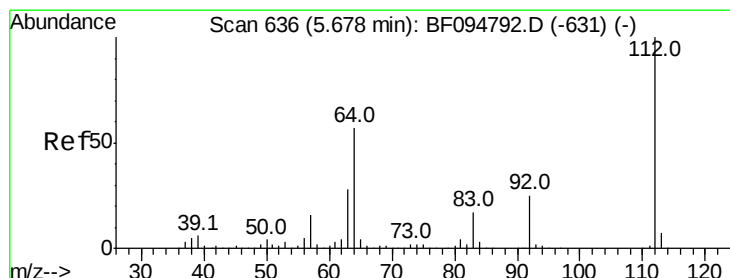
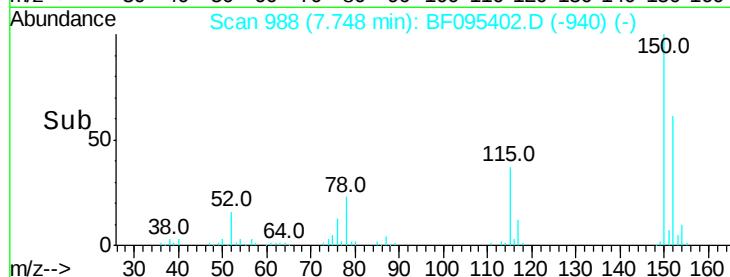
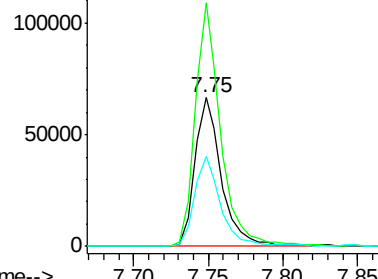


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

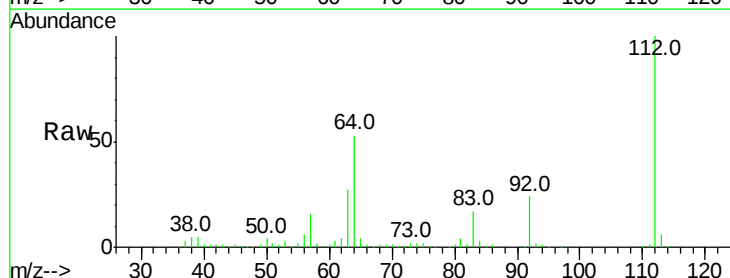
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.96 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	46.0	69.0
63	26.7	23.4	35.0

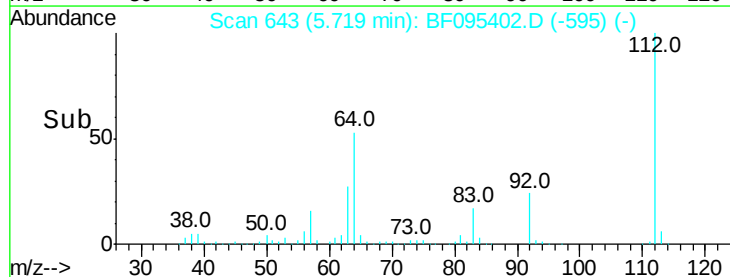
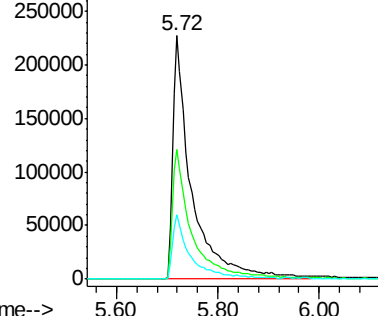


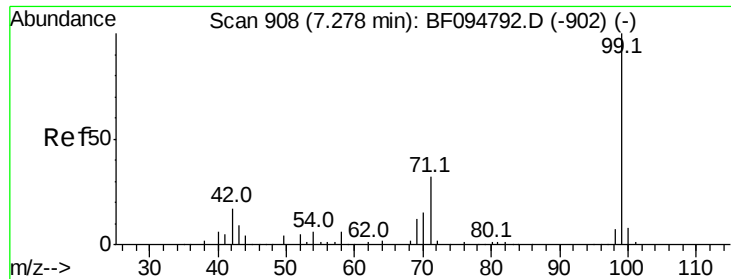
Abundance

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: 116.09 ng

RT: 7.30 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Instrument :

BNA_F

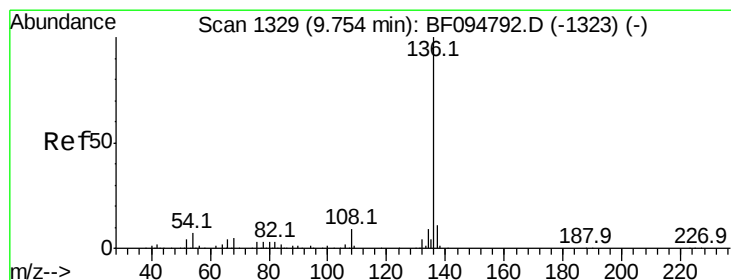
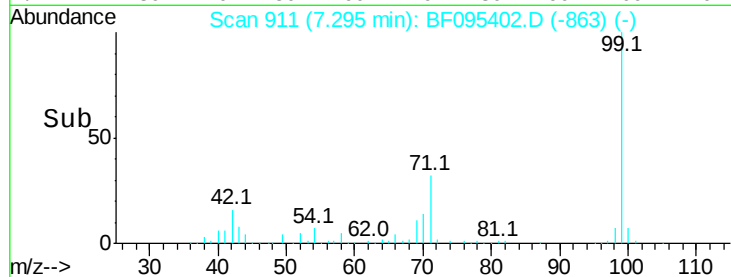
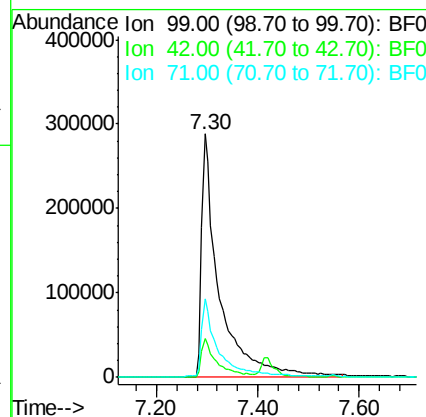
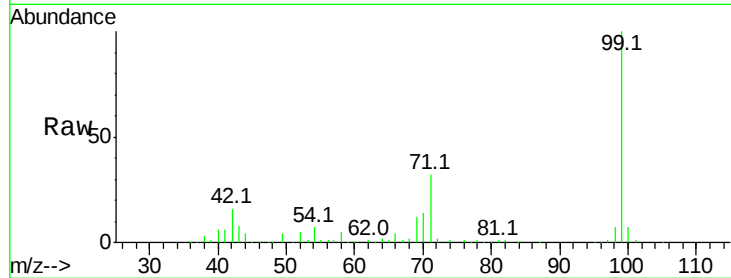
ClientSampleId :

R1-TP-1-SS-1

Tot Ion:	99	Resp:	694951
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	32.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

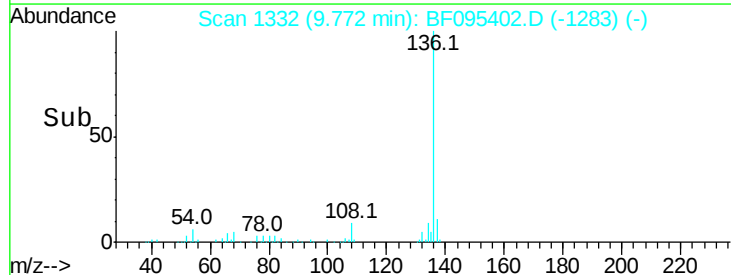
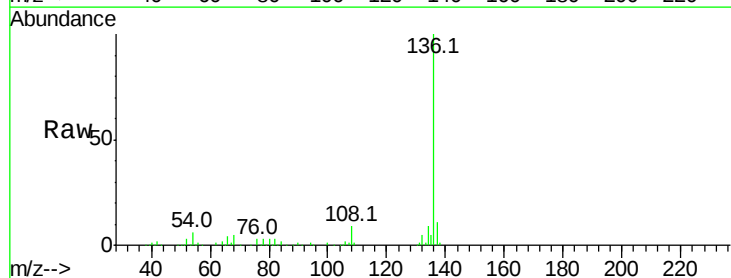
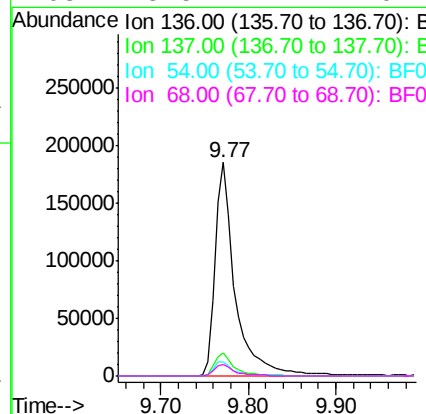
RT: 9.77 min Scan# 1332

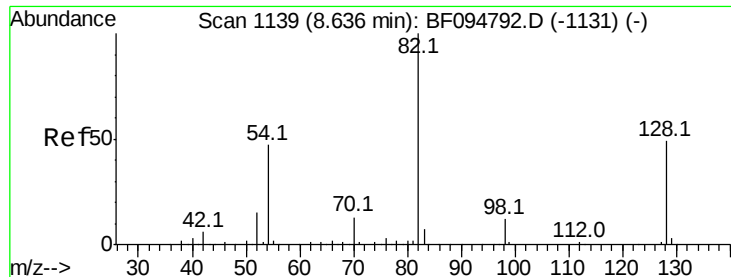
Delta R.T. -0.01 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Tgt Ion:	136	Resp:	295773
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.5	4.9	7.3
68	5.5	4.1	6.1





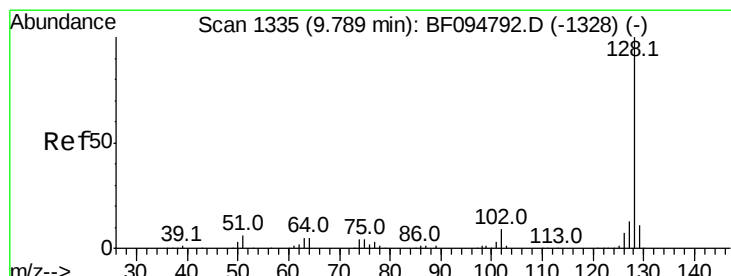
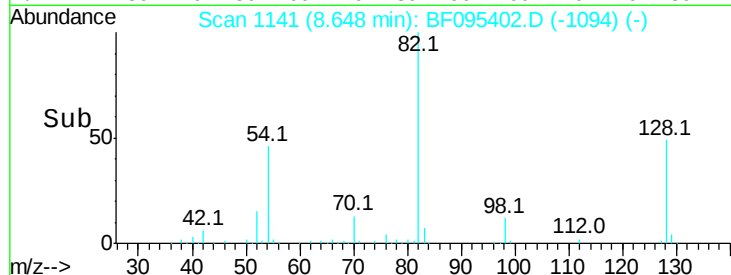
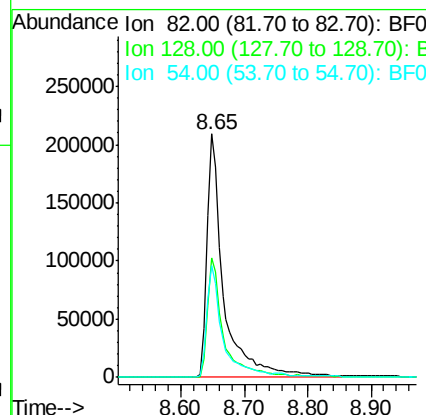
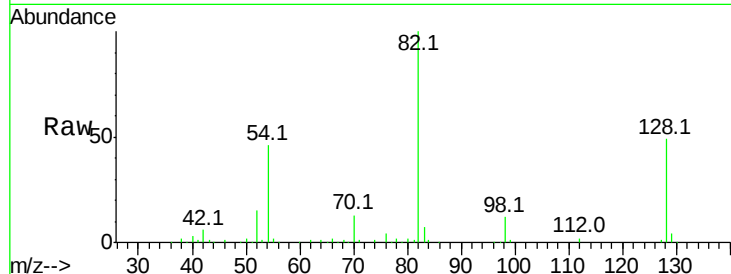
#23
 Nitrobenzene-d5
 Concen: 82.31 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	34.0	51.0
54	45.7	42.2	63.2

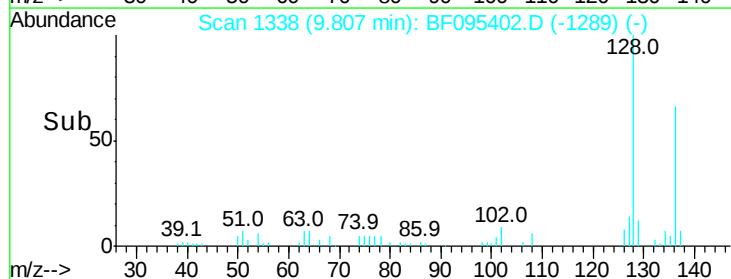
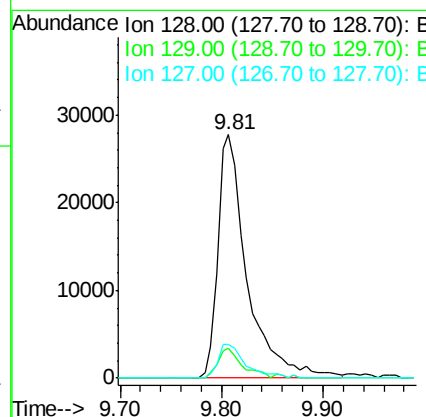
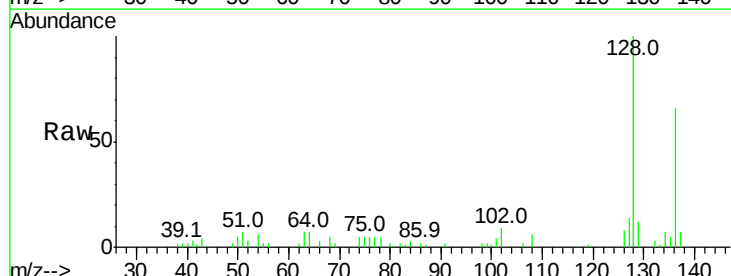
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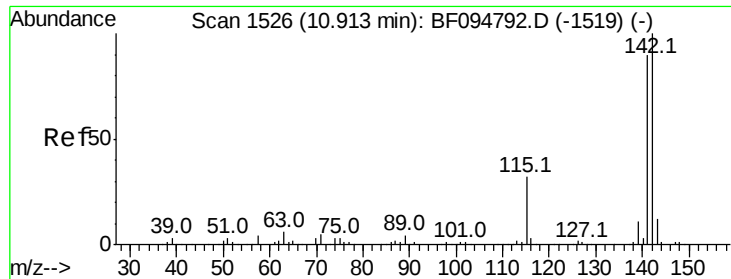
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#31
 Naphthalene
 Concen: 3.73 ng
 RT: 9.81 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.6
127	13.9	10.8	16.2





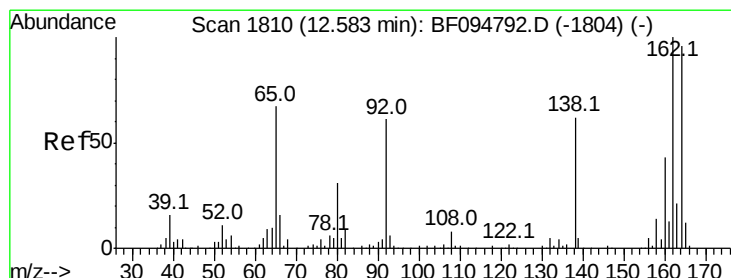
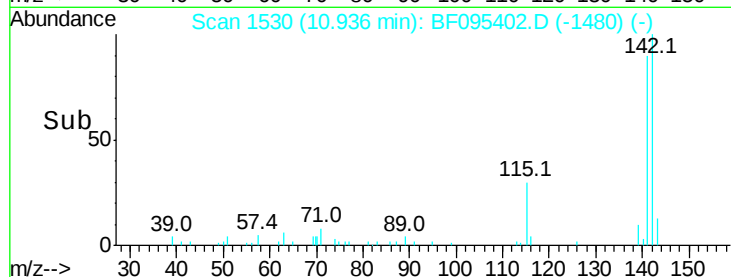
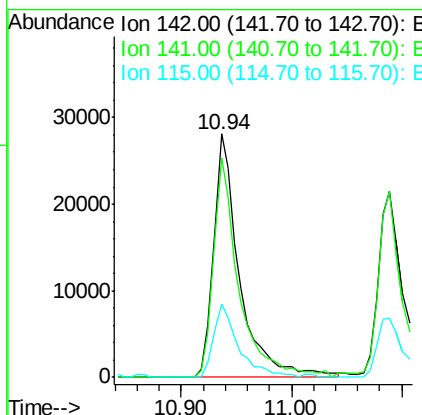
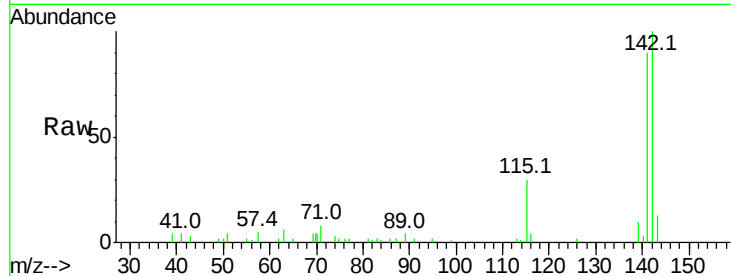
#37
2-Methylnaphthalene
Concen: 4.67 ng
RT: 10.94 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	30.0	27.1	40.7

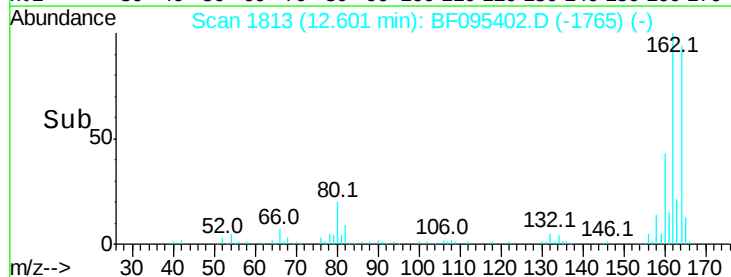
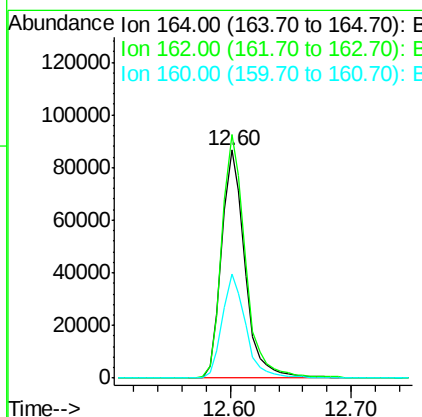
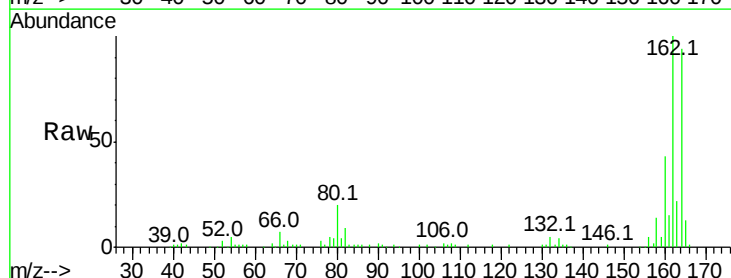
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.9	82.6	123.8
160	45.9	36.2	54.2





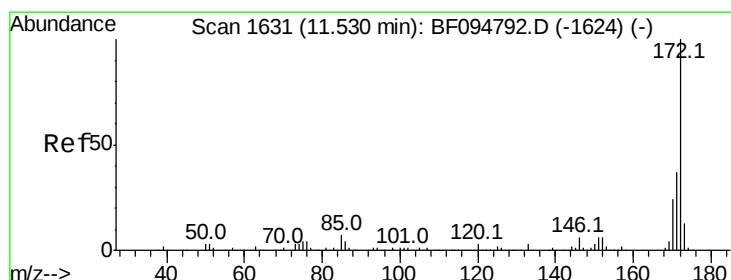
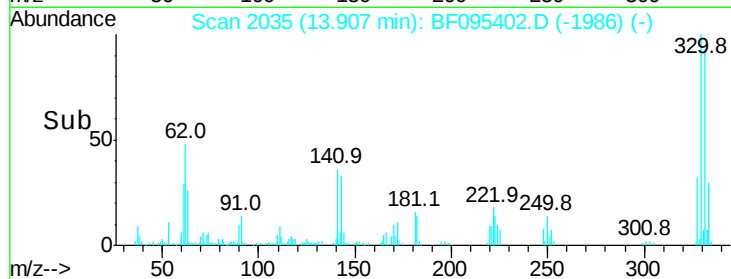
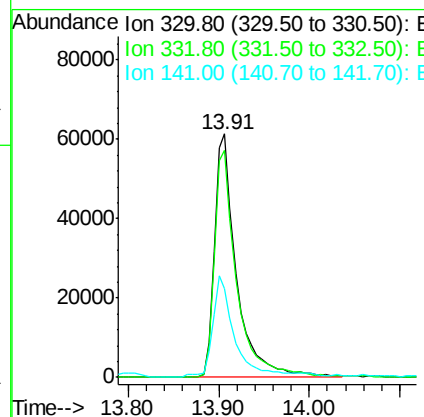
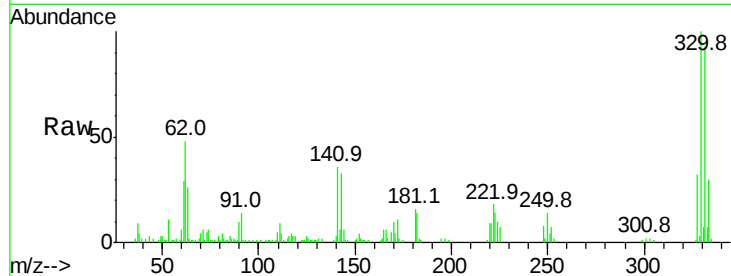
#41
 2,4,6-Tribromophenol
 Concen: 109.34 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-1-SS-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	103796		
332	94.7	76.6	115.0	
141	43.3	31.4	47.2	

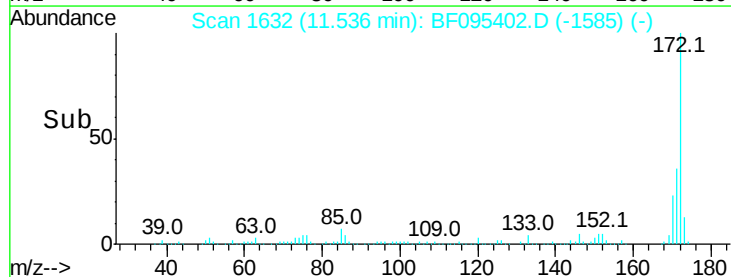
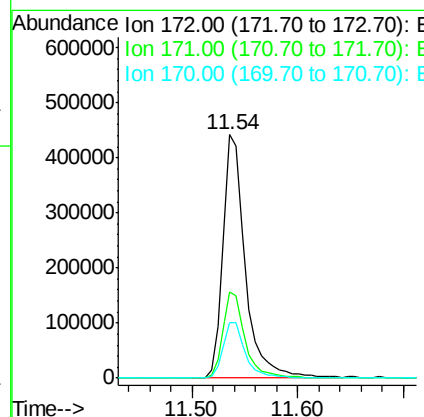
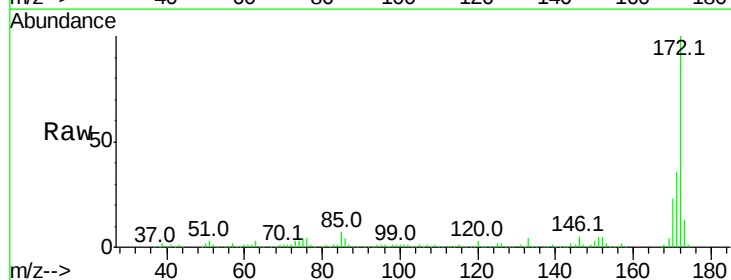
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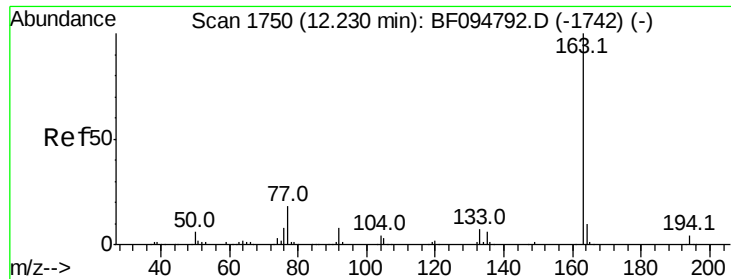
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#44
 2-Fluorobiphenyl
 Concen: 81.99 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	660276		
171	35.6	29.6	44.4	
170	23.0	19.8	29.8	





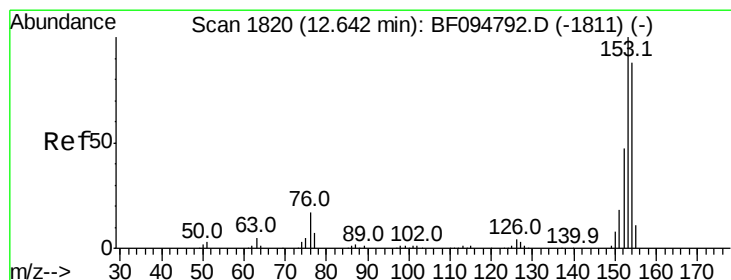
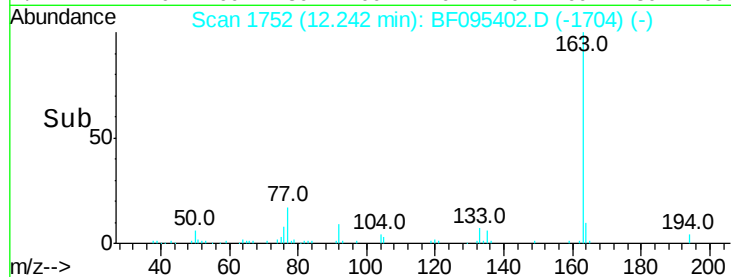
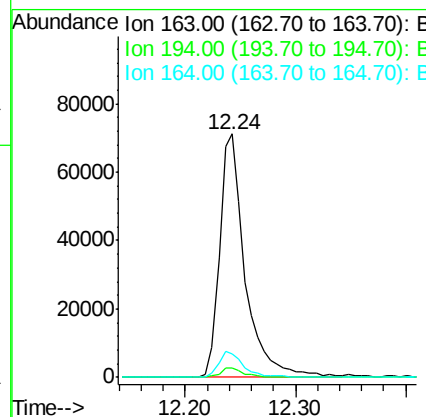
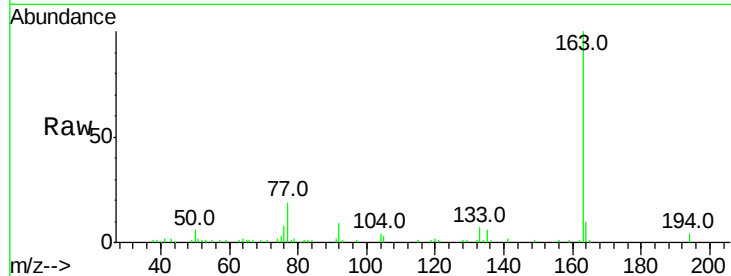
#49
Dimethylphthalate
Concen: 11.93 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	113546		
194	3.6	2.6	4.0	
164	9.8	8.4	12.6	

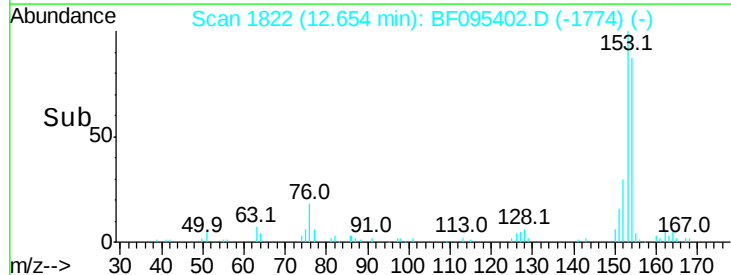
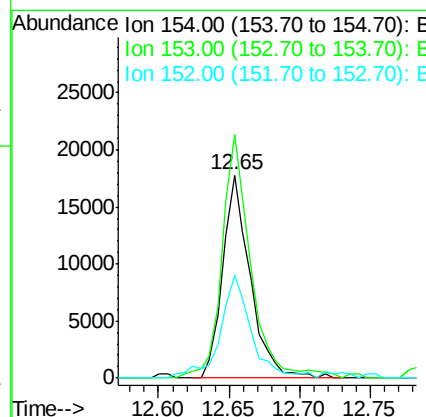
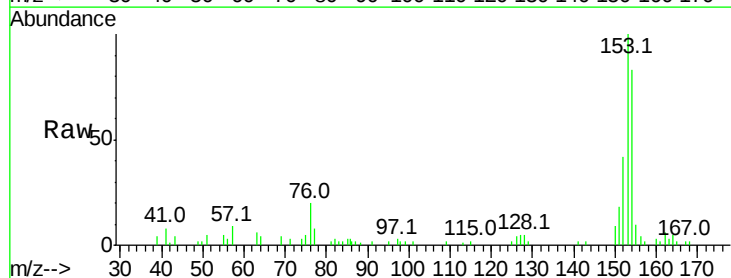
Manual Integrations
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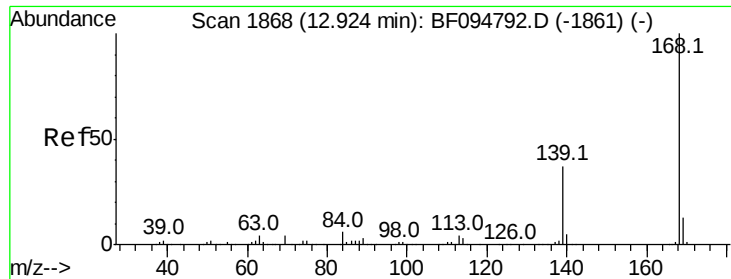
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#51
Acenaphthene
Concen: 3.26 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	24069		
153	120.0	90.5	135.7	
152	50.8	43.6	65.4	





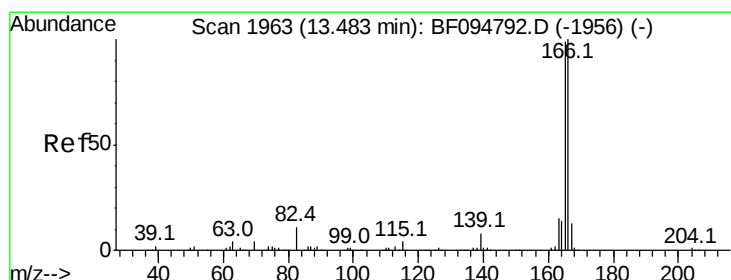
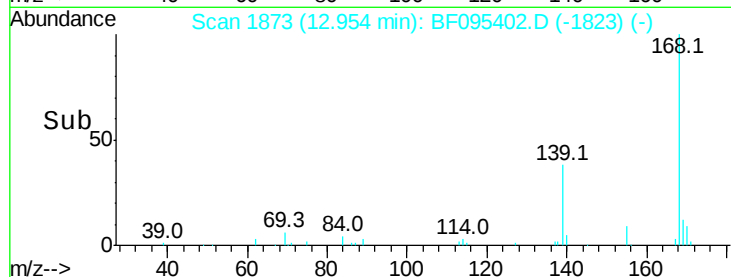
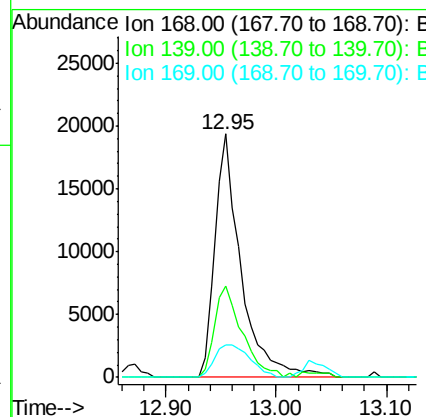
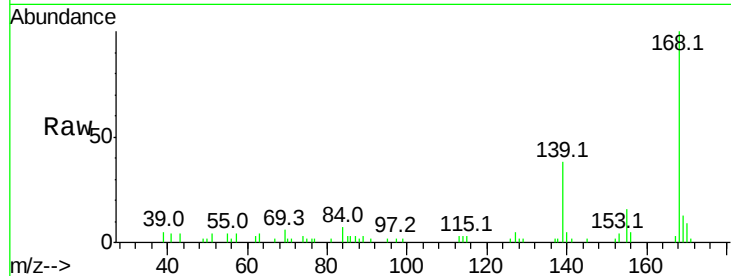
#54
Dibenzenofuran
Concen: 3.09 ng
RT: 12.95 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.6	45.8
169	13.3	10.8	16.2

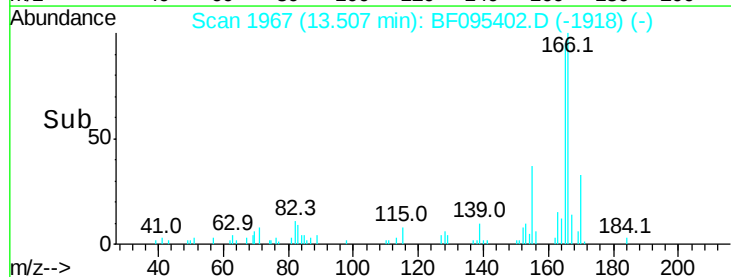
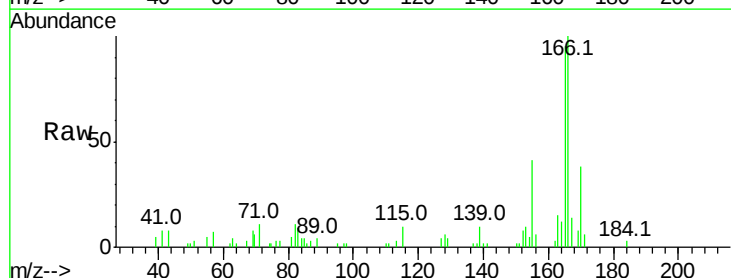
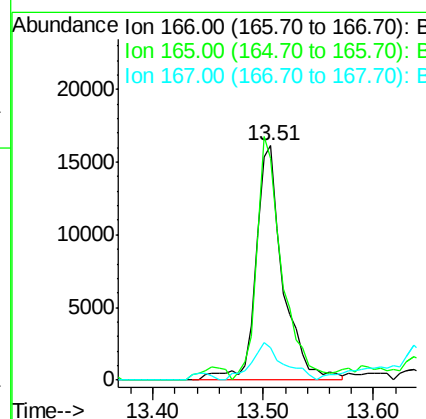
Manual Integrations
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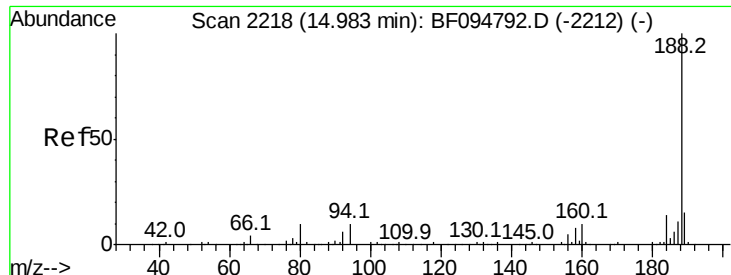
mohammad
5/25/2017 8:52:48 AM



#57
Fluorene
Concen: 3.12 ng
RT: 13.51 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	13.9	10.6	16.0





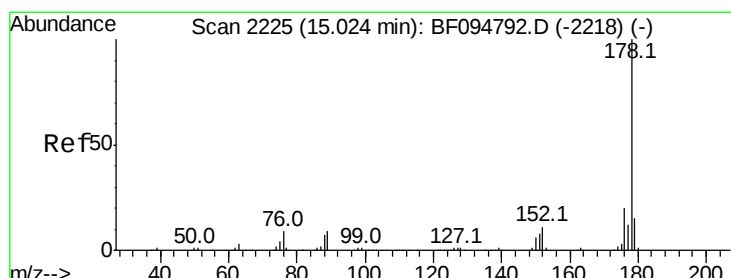
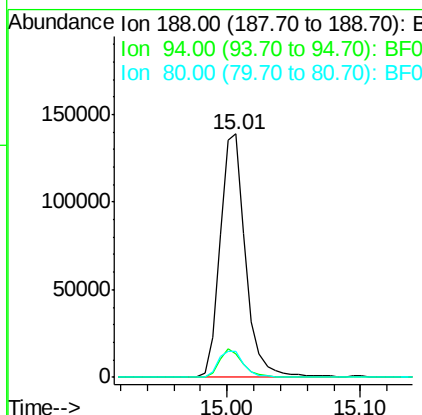
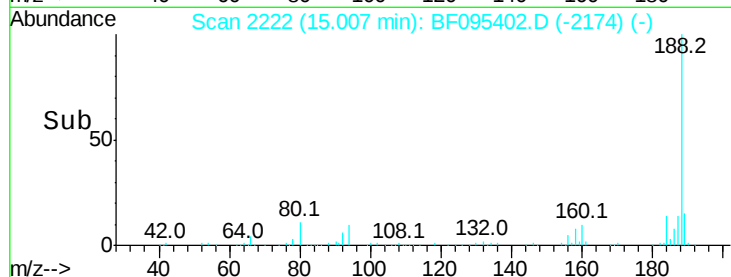
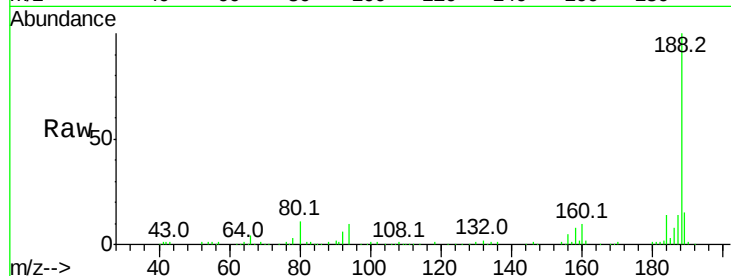
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.6	10.2	15.2

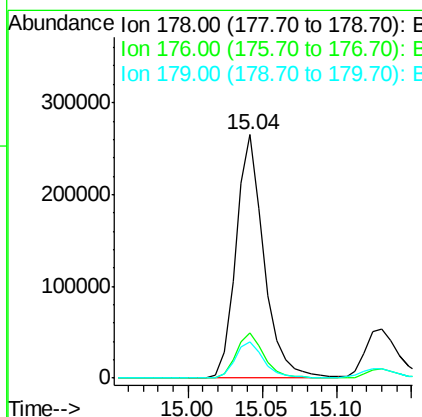
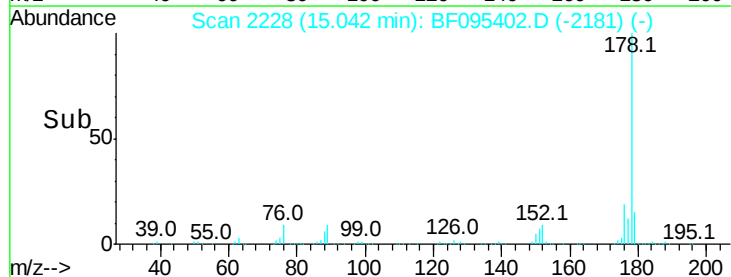
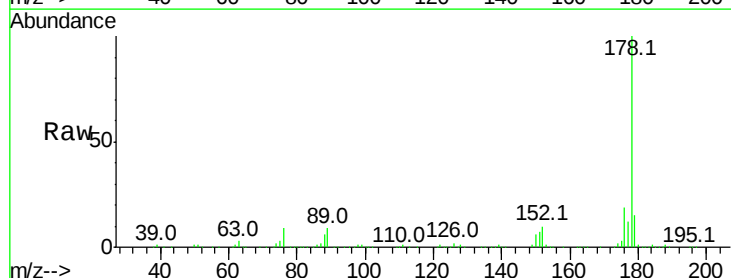
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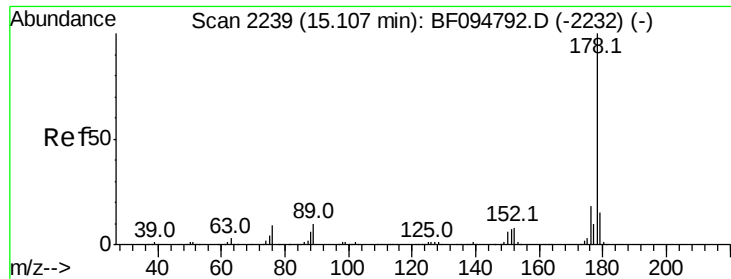
mohammad
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#70
Phenanthrene
Concen: 32.30 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.1	12.6	19.0





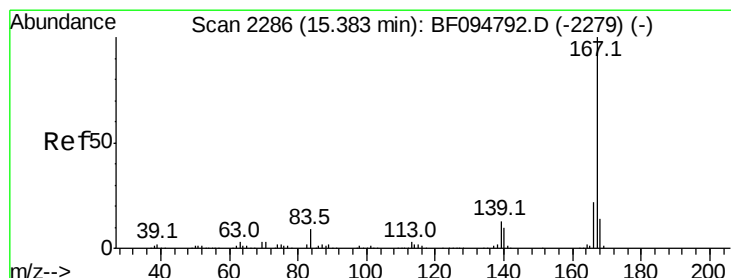
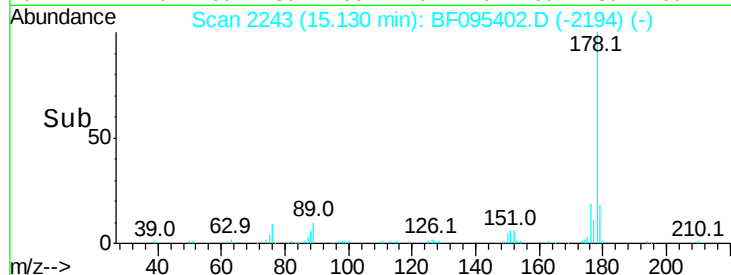
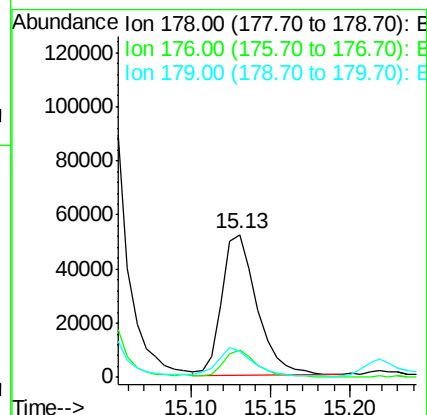
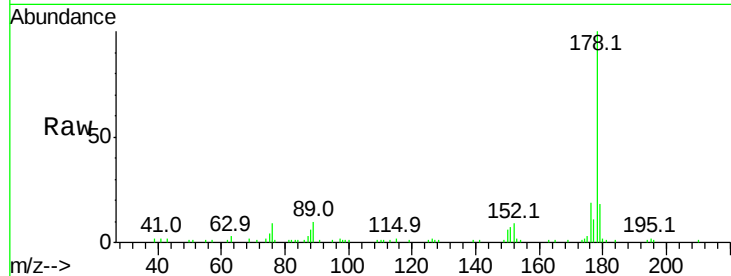
#71
 Anthracene
 Concen: 7.38 ng
 RT: 15.13 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	18.1	12.7	19.1

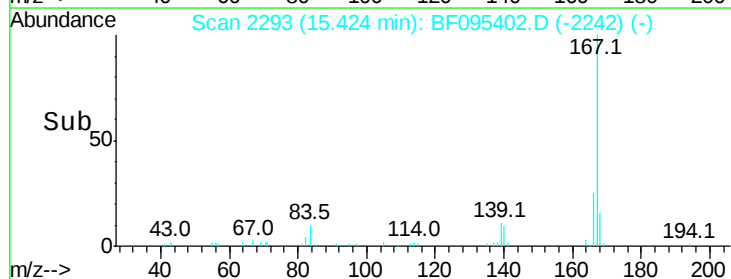
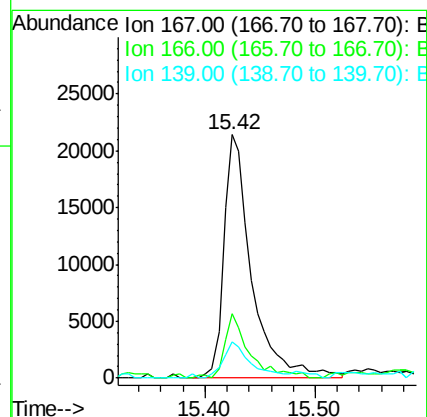
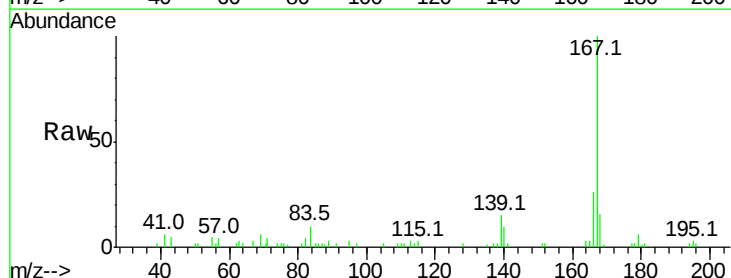
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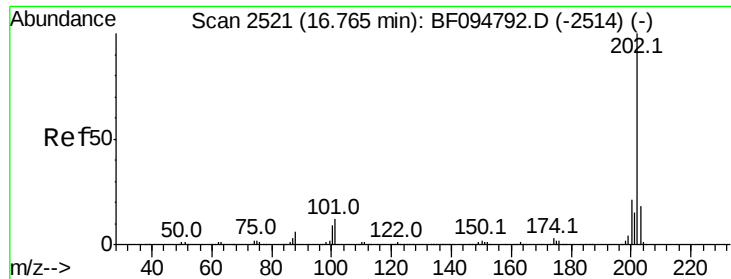
mohammad
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#72
 Carbazole
 Concen: 3.78 ng
 RT: 15.42 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.2	18.1	27.1
139	14.8	11.7	17.5





#74

Fluoranthene

Concen: 42.30 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Instrument :

BNA_F

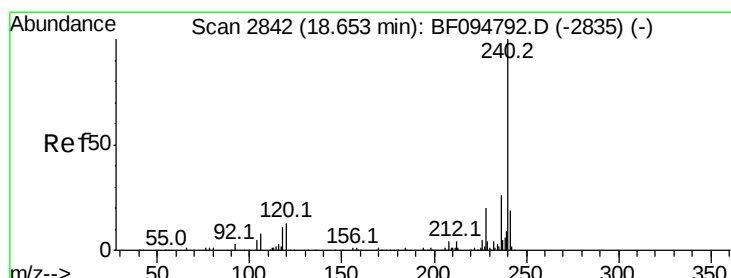
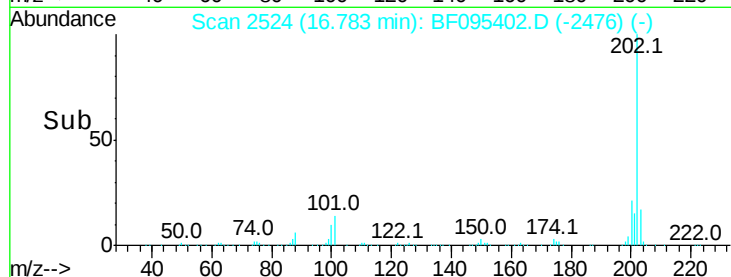
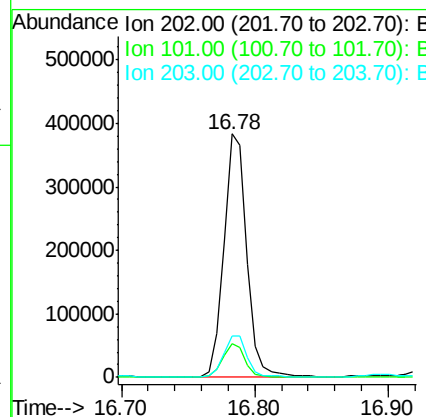
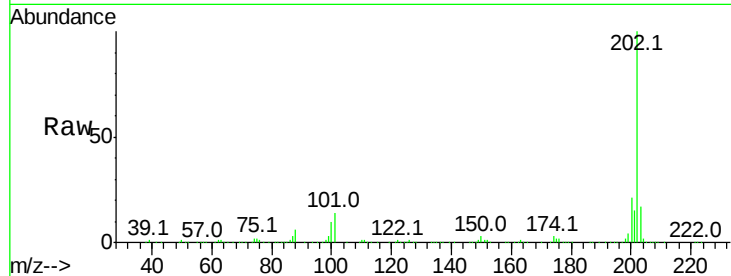
ClientSampleId :

R1-TP-1-SS-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		464301		
101	14.1	0.0	33.2		
203	17.1	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

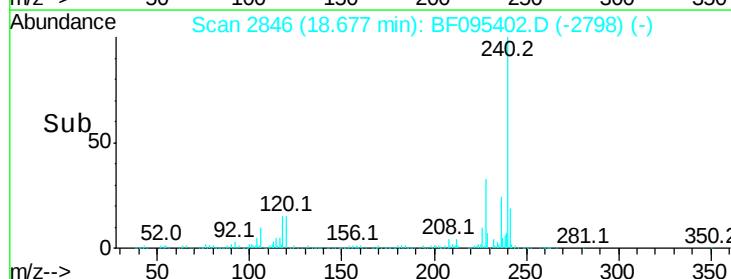
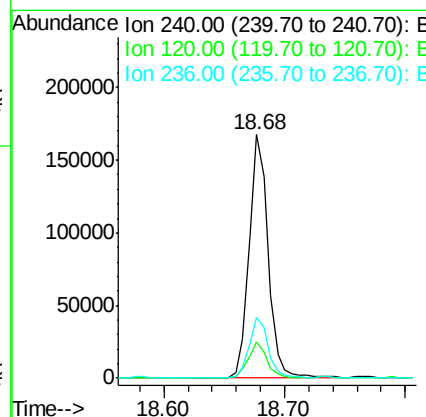
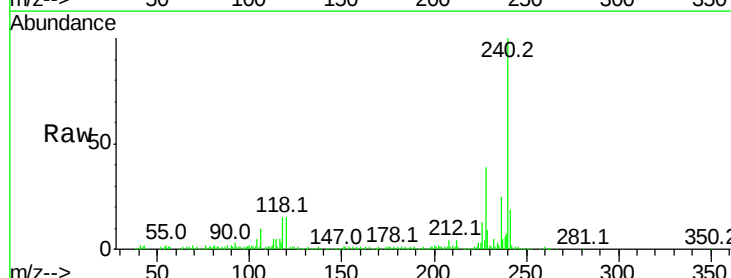
RT: 18.68 min Scan# 2846

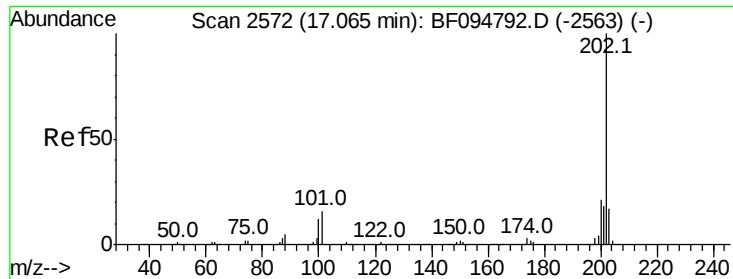
Delta R.T. -0.02 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		186238		
120	15.1	5.8	8.8#		
236	24.7	20.5	30.7		





#77

Pvrene

Concen: 30.36 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Instrument :

BNA_F

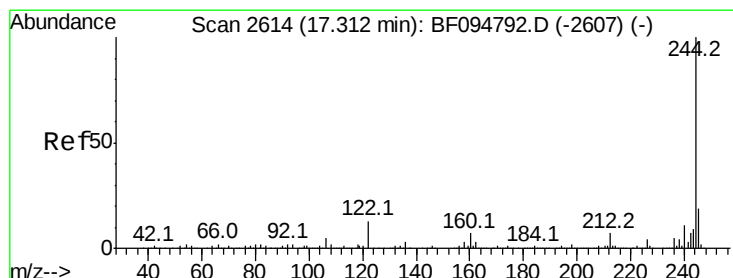
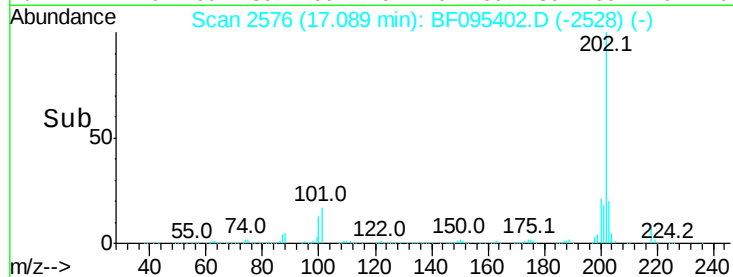
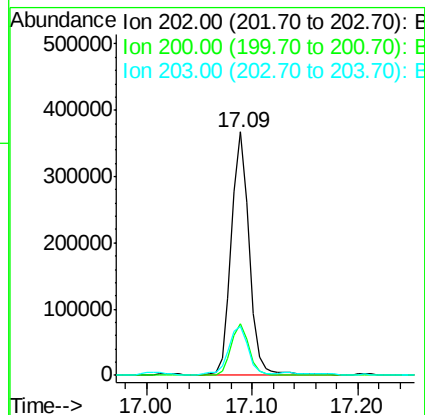
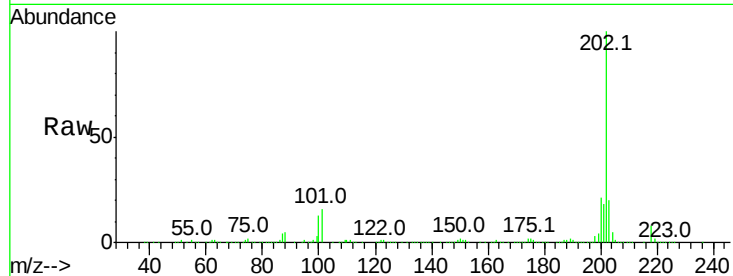
ClientSampleId :

R1-TP-1-SS-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.2	17.6	26.4		
203	20.1	14.4	21.6		

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#78

Terphenyl-d14

Concen: 56.15 ng

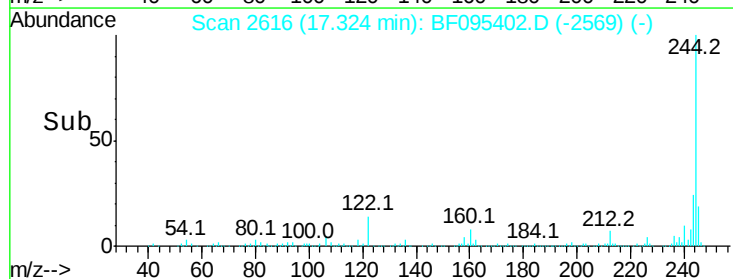
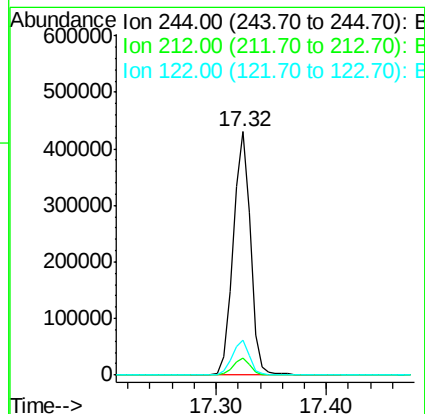
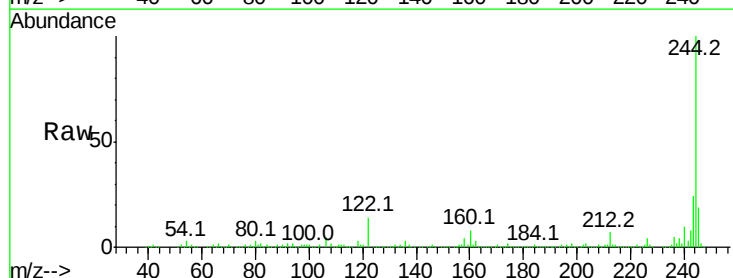
RT: 17.32 min Scan# 2616

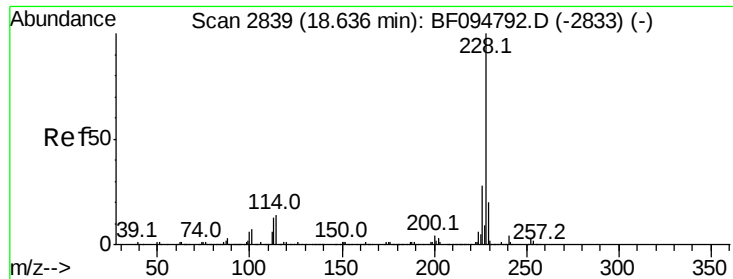
Delta R.T. -0.02 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.0	6.0	9.0		
122	14.4	10.3	15.5		





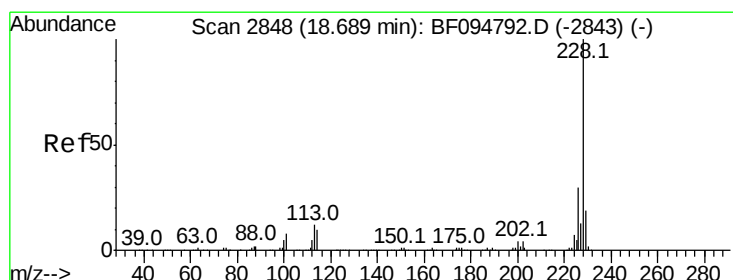
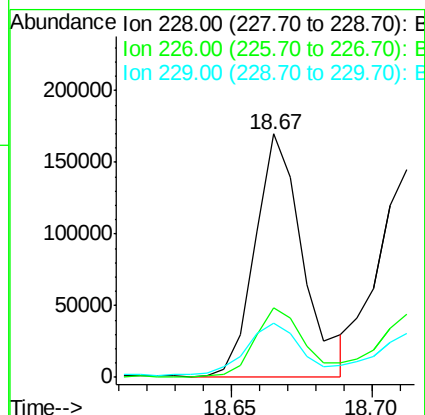
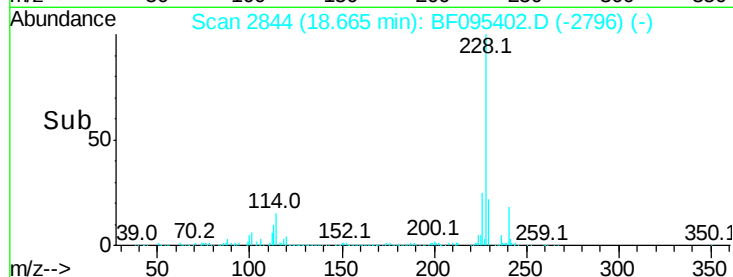
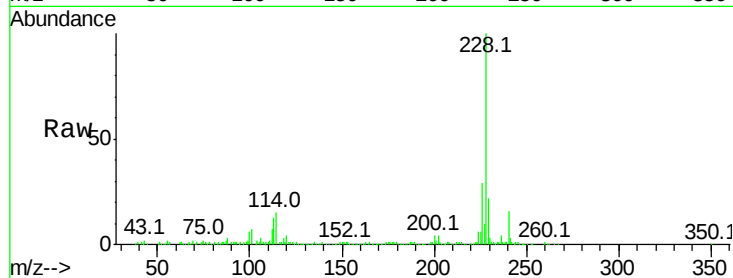
#80
Benzo(a)anthracene
Concen: 18.29 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	22.4	16.3	24.5

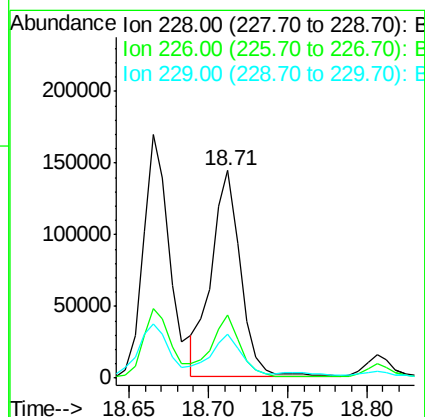
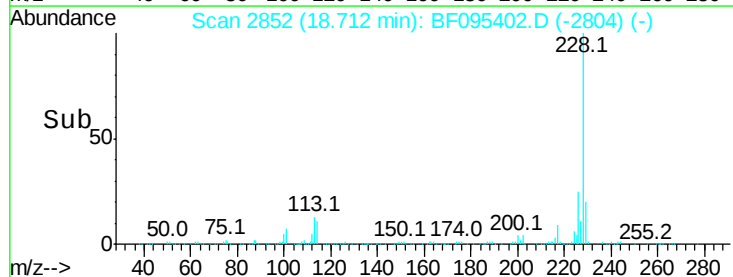
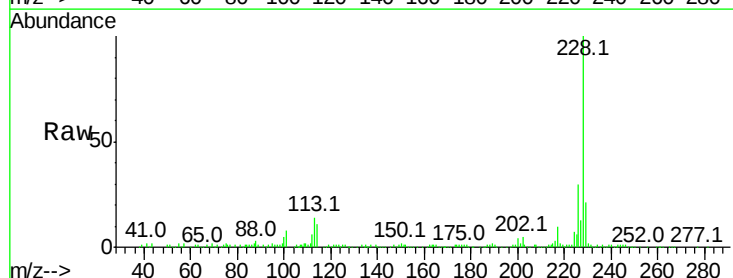
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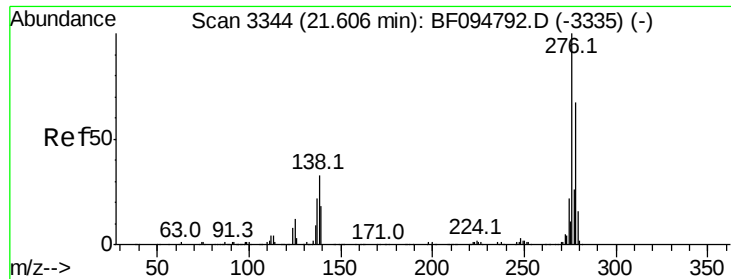
mohammad
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#82
Chrysene
Concen: 17.58 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	20.9	15.8	23.6





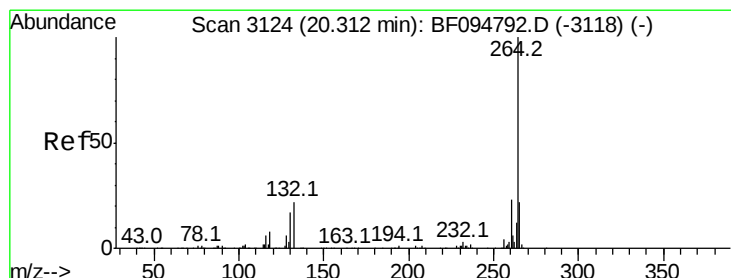
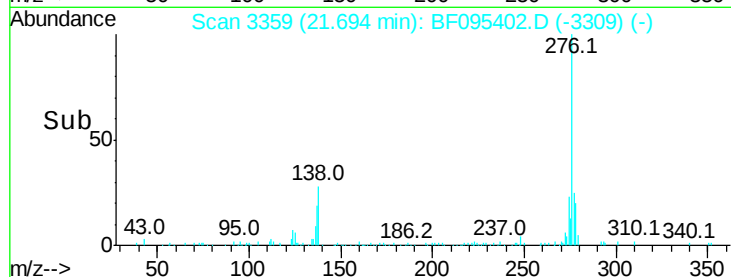
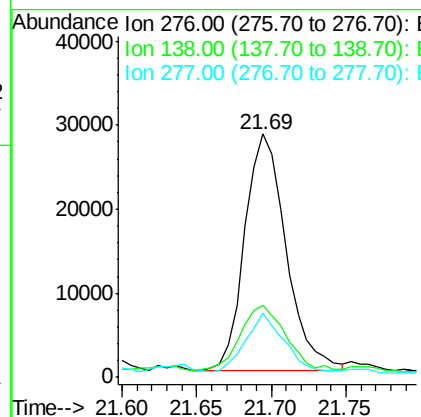
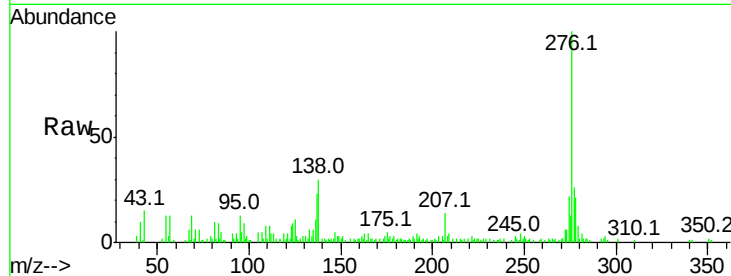
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.39 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.0	27.8	41.6
277	24.4	20.2	30.4

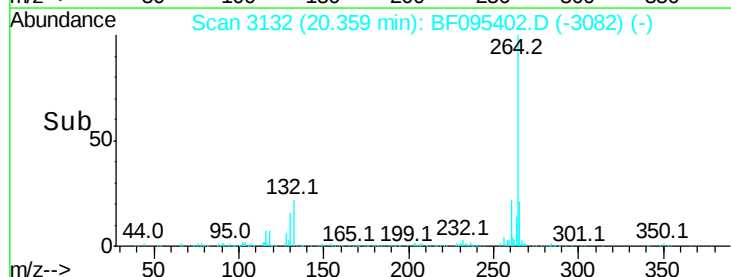
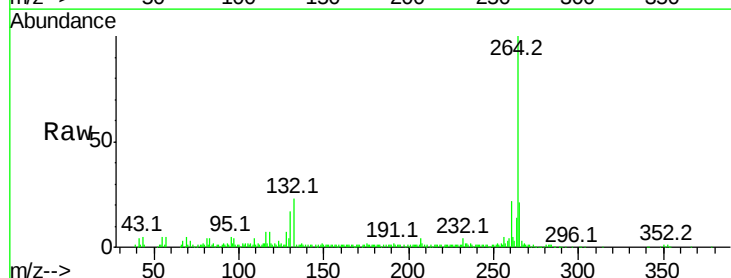
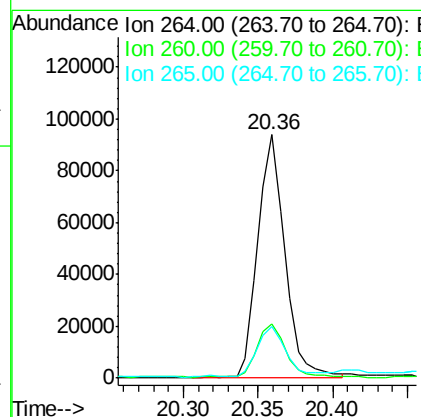
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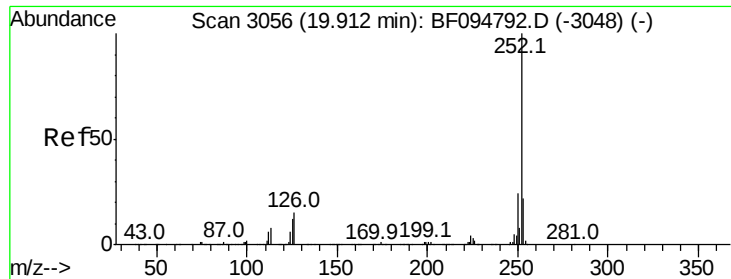
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.07 ng m

RT: 19.95 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Instrument :

BNA_F

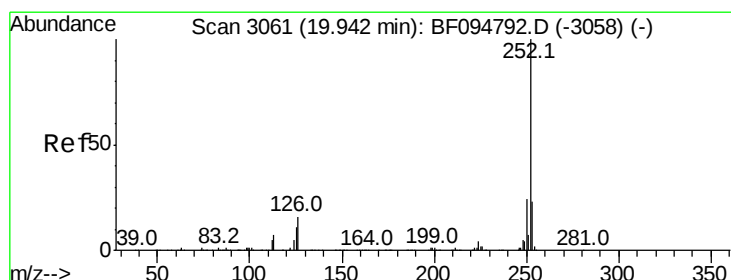
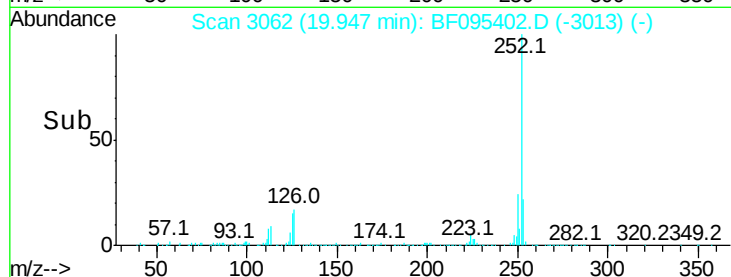
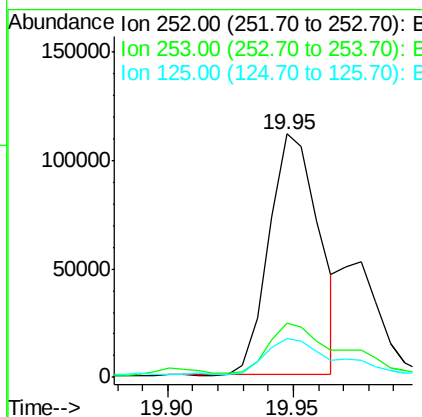
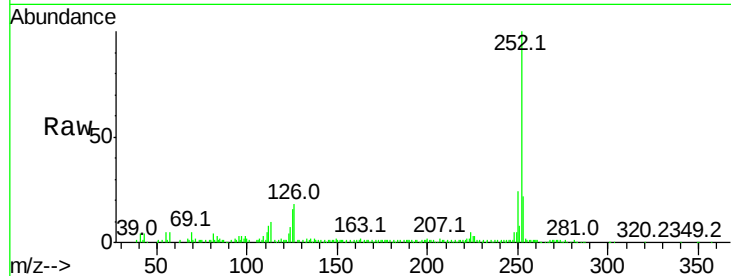
ClientSampled :

R1-TP-1-SS-1

Tot Ion:	252	Resp:	154037
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	15.8	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 8.09 ng m

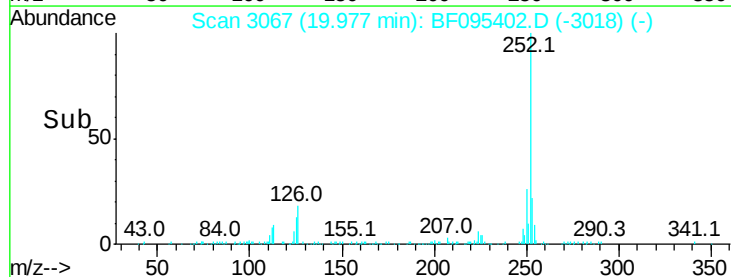
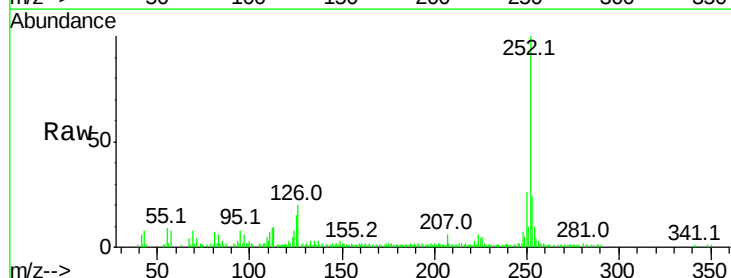
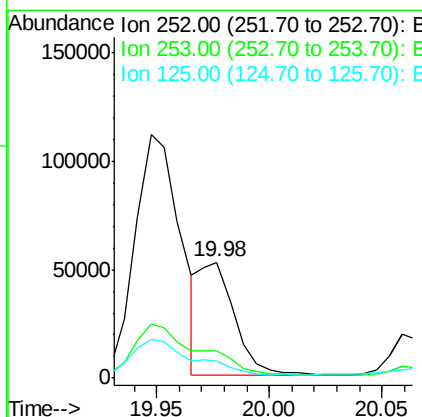
RT: 19.98 min Scan# 3067

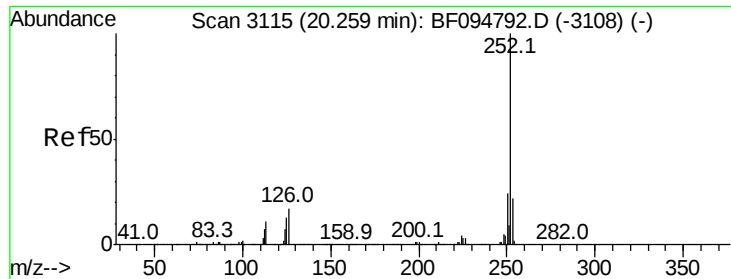
Delta R.T. -0.01 min

Lab File: BF095402.D

Acq: 24 May 2017 22:11

Tgt Ion:	252	Resp:	57068
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	14.8	13.1	19.7





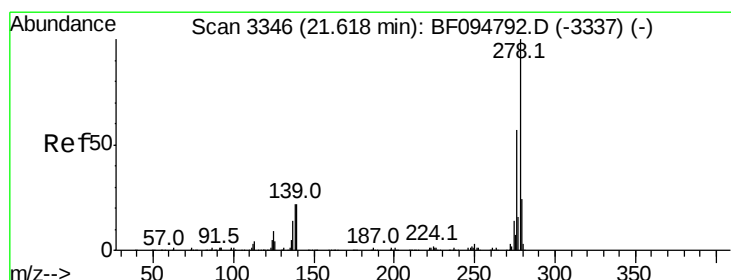
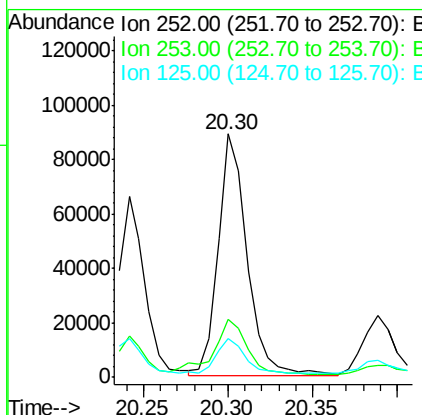
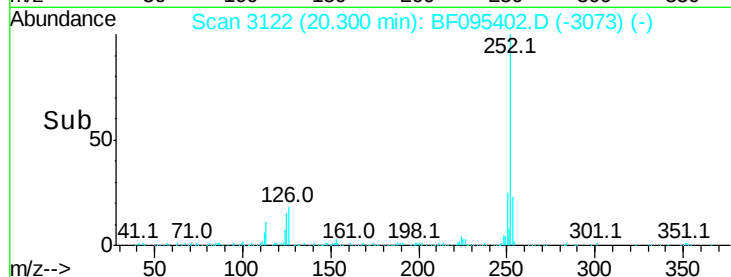
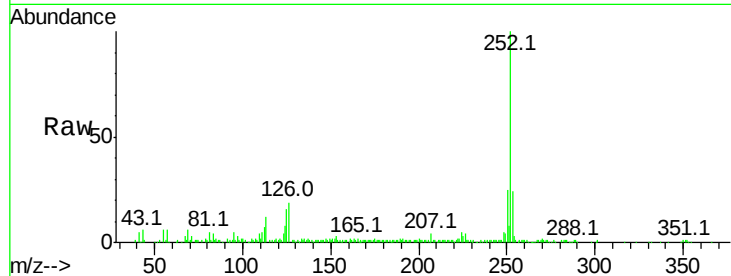
#89
Benzo(a)pyrene
Concen: 15.61 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :
R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	15.9	11.0	16.4

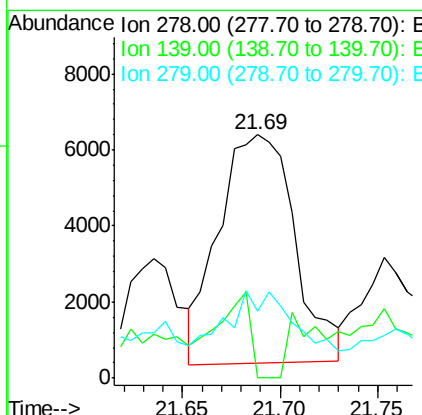
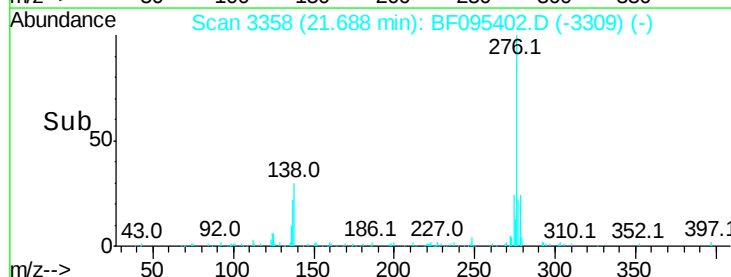
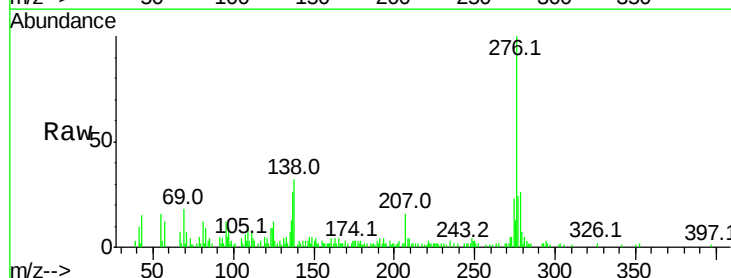
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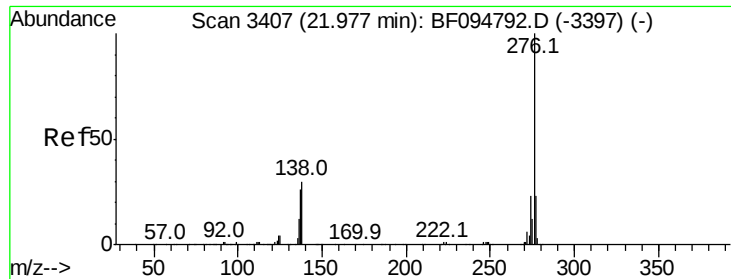
mohammad
5/25/2017 8:52:48 AM



#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 9.69 ng
 RT: 22.08 min Scan# 3425
 Delta R.T. 0.00 min
 Lab File: BF095402.D
 Acq: 24 May 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-1-SS-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	31.5	25.4	38.0

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