

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095202.D
 Acq On : 18 May 2017 00:24
 Operator : SJ/MA
 Sample : I3172-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

Manual Integrations
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Quant Time: May 18 05:59:18 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 04:48:06 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	94665	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	371896	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	144557	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	237718	20.00	ng	0.00
75) Chrysene-d12	18.69	240	159904	20.00	ng	0.00
86) Perylene-d12	20.37	264	160096	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	839887	147.92	ng	0.03
7) Phenol-d6	7.34	99	1043568	153.18	ng	0.02
23) Nitrobenzene-d5	8.68	82	612392	103.84	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	169703	143.35	ng	0.00
44) 2-Fluorobiphenyl	11.56	172	865134	86.14	ng	0.00
78) Terphenyl-d14	17.34	244	549036	75.63	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	12.39	152	38007	2.47	ng	100
49) Dimethylphthalate	12.25	163	148103	12.48	ng	99
51) Acenaphthene	12.67	154	40495	4.40	ng	95
54) Dibenzofuran	12.97	168	28015	2.20	ng	97
57) Fluorene	13.52	166	46476	4.20	ng	99
70) Phenanthrene	15.07	178	896796	65.66	ng	98
71) Anthracene	15.14	178	309282	22.17	ng	98
72) Carbazole	15.44	167	31556	2.49	ng	97
74) Fluoranthene	16.81	202	1581263	112.86	ng	99
77) Pyrene	17.11	202	1331430	111.33	ng	97
80) Benzo(a)anthracene	18.68	228	605592	65.07	ng	100
82) Chrysene	18.73	228	561666m	62.42	ng	
85) Indeno(1,2,3-cd)pyrene	21.70	276	252692	34.58	ng	94
87) Benzo(b)fluoranthene	19.96	252	626616m	63.34	ng	
88) Benzo(k)fluoranthene	19.99	252	259139m	27.16	ng	
89) Benzo(a)pyrene	20.31	252	472585	51.77	ng	98
90) Dibenzo(a,h)anthracene	21.70	278	67417m	8.94	ng	
91) Benzo(g,h,i)perylene	22.09	276	231115	31.24	ng	95

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

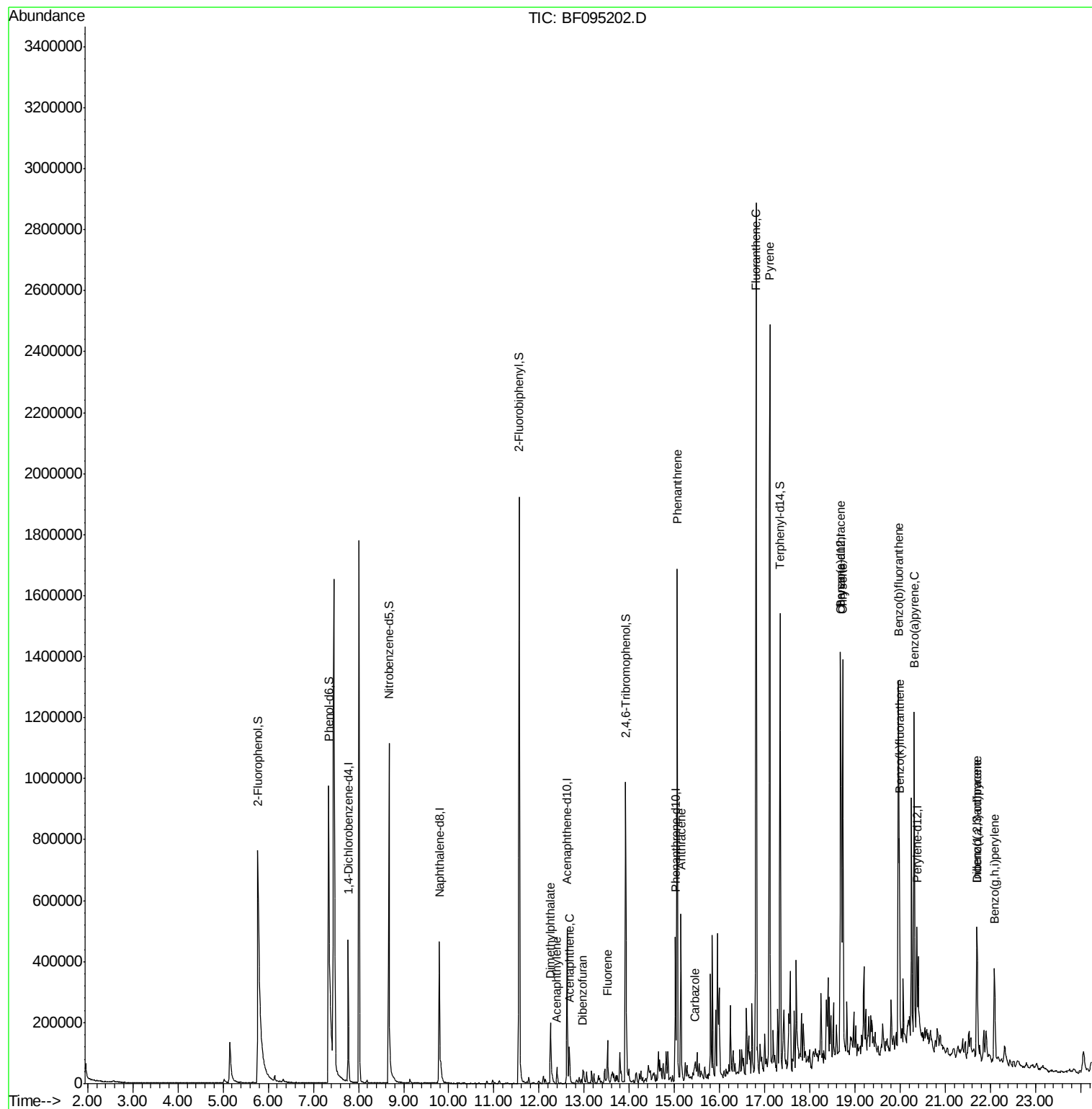
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
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#1

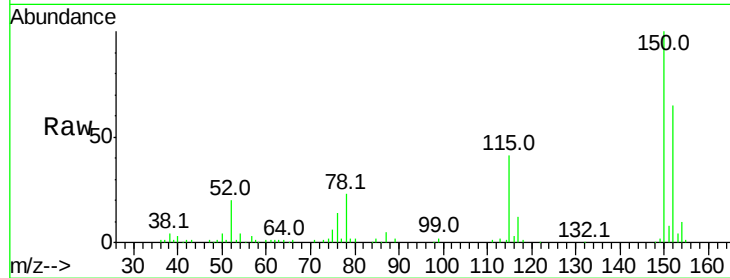
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Instrument :
BNA_F
ClientSampleId :
SS-03

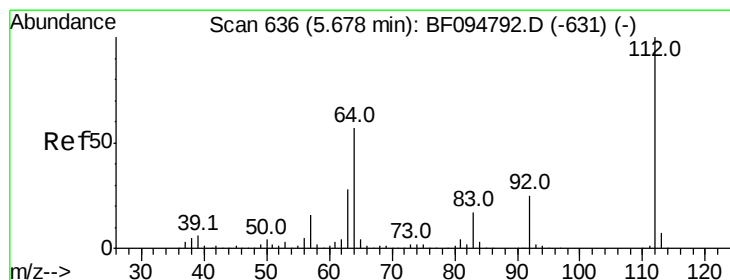
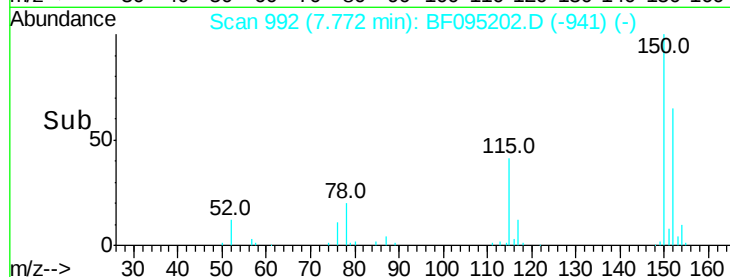
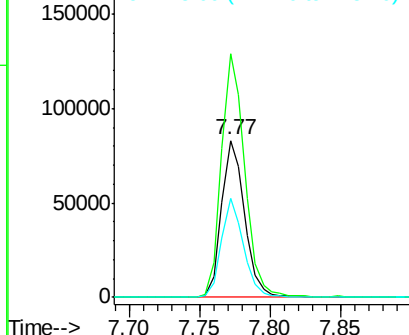
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	63.2	52.2	78.2

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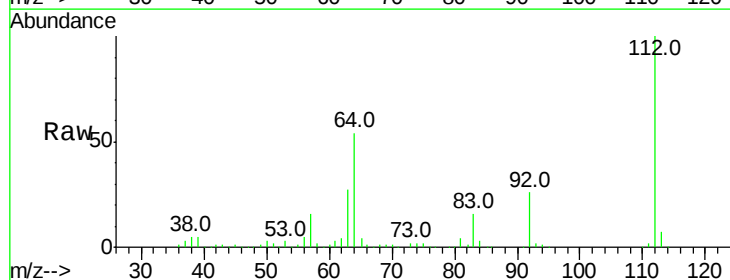
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



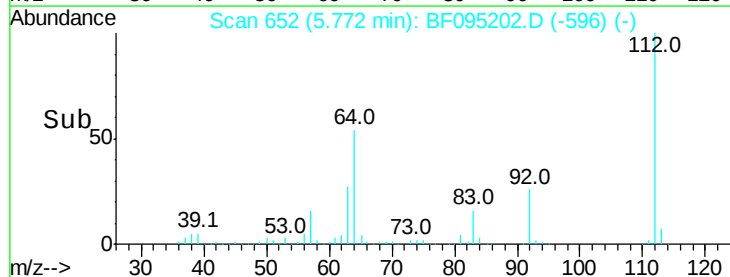
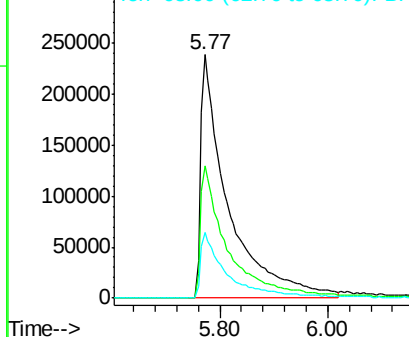
#5

2-Fluorophenol
Concen: 147.92 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.03 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	26.9	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: 153.18 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.02 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Instrument :

BNA_F

ClientSampled :

SS-03

Tot Ion: 99 Resp: 1043568

Ion Ratio Lower Upper

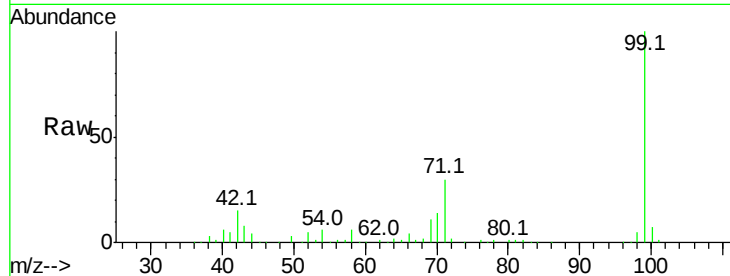
99 100

42 15.4 13.5 20.3

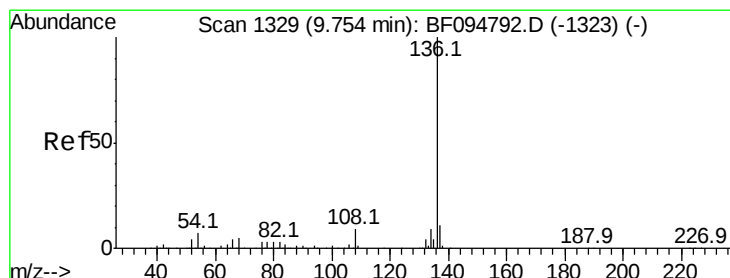
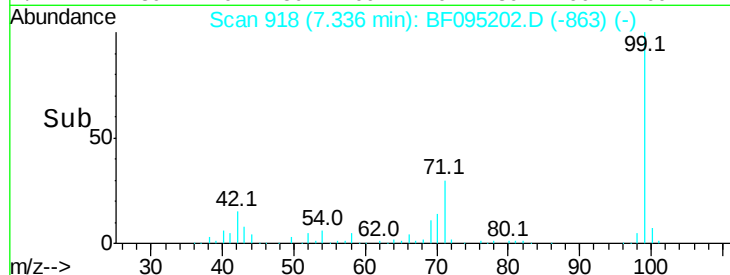
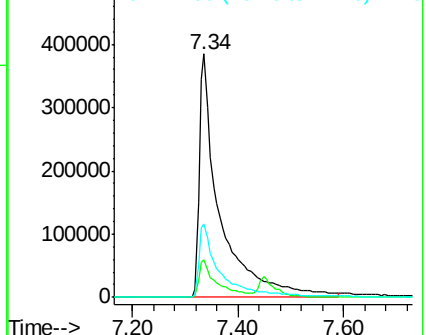
71 30.3 24.5 36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Tgt Ion: 136 Resp: 371896

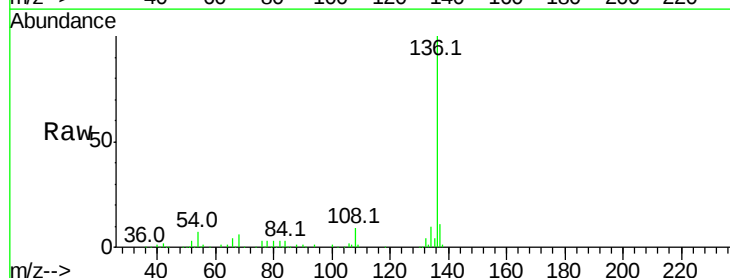
Ion Ratio Lower Upper

136 100

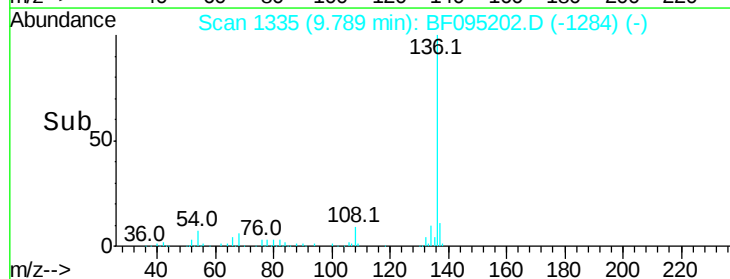
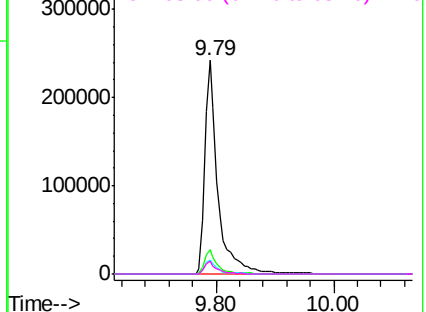
137 11.1 8.5 12.7

54 6.5 4.9 7.3

68 6.0 4.1 6.1



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





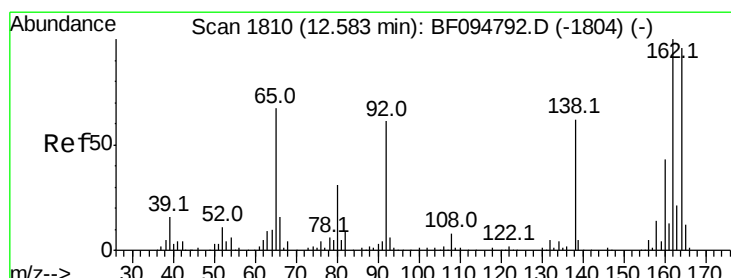
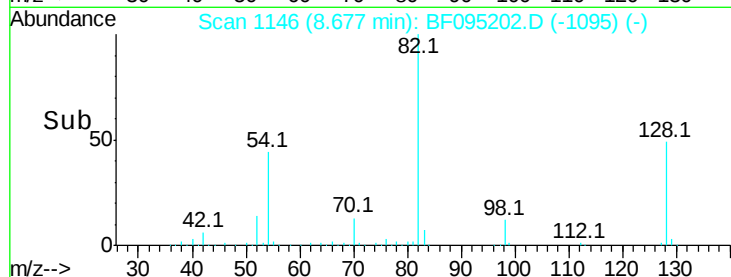
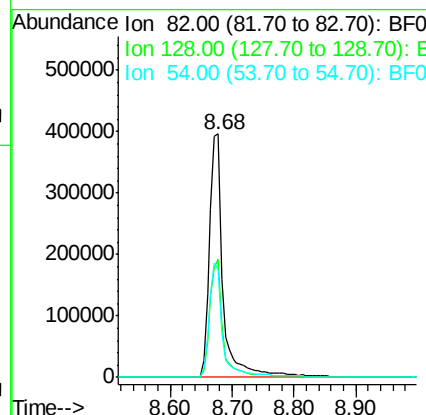
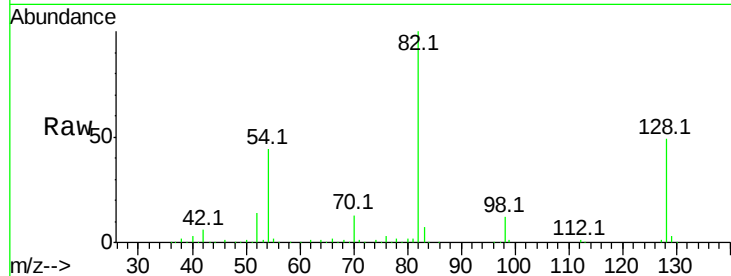
#23
 Nitrobenzene-d5
 Concen: 103.84 ng
 RT: 8.68 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Instrument :
 BNA_F
 ClientSampled :
 SS-03

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	44.3	42.2	63.2

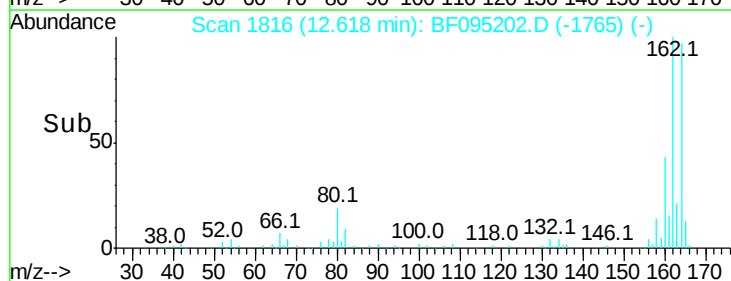
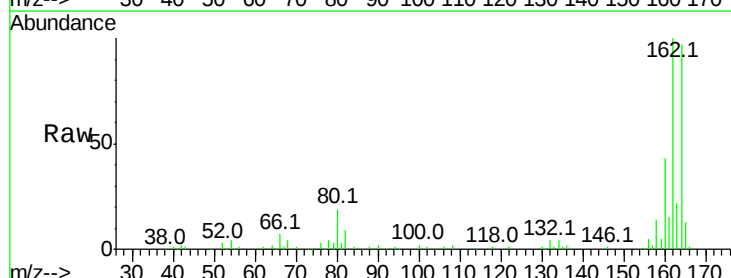
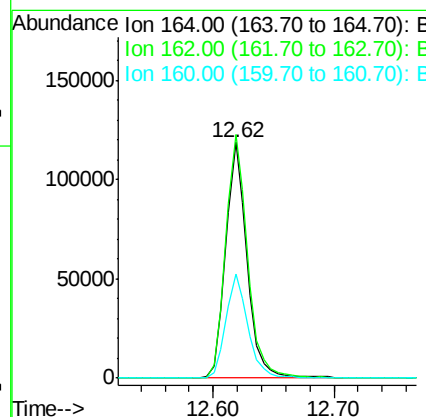
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	44.4	36.2	54.2





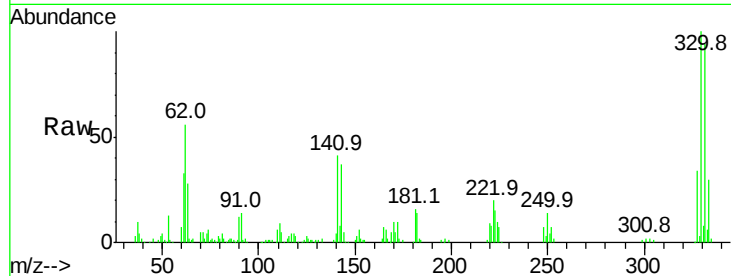
#41
 2,4,6-Tribromophenol
 Concen: 143.35 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169703		
332	95.1	76.6	115.0	
141	40.2	31.4	47.2	

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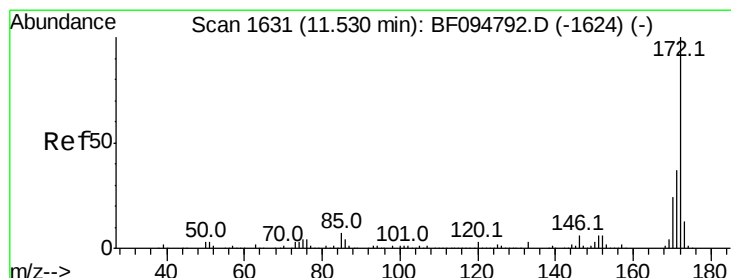
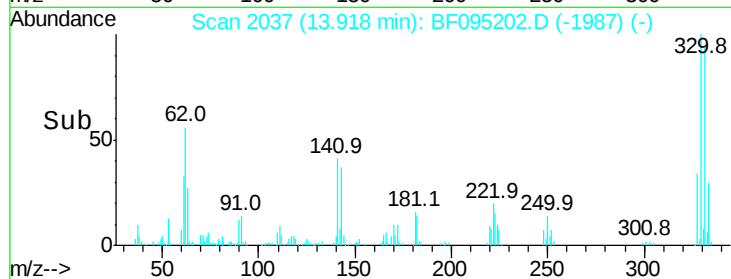
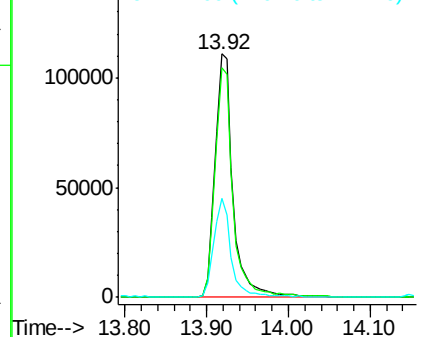


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 86.14 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

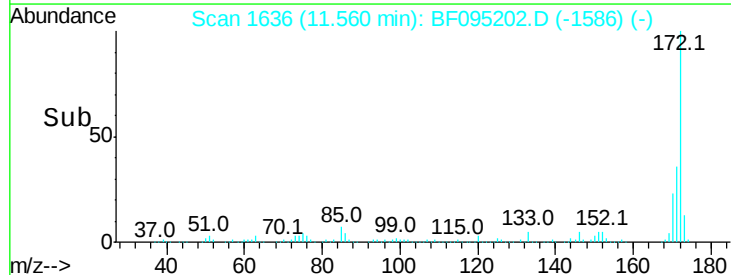
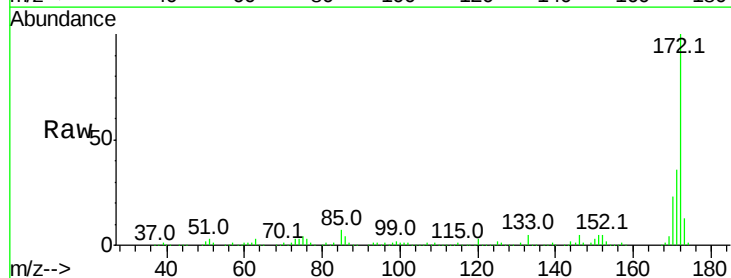
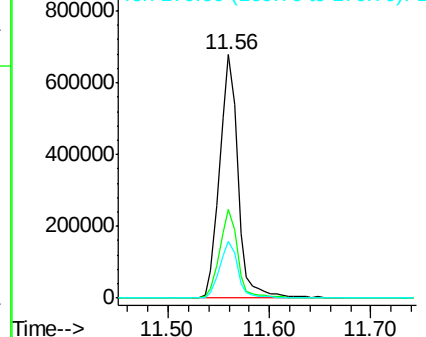
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	865134		
171	36.4	29.6	44.4	
170	23.1	19.8	29.8	

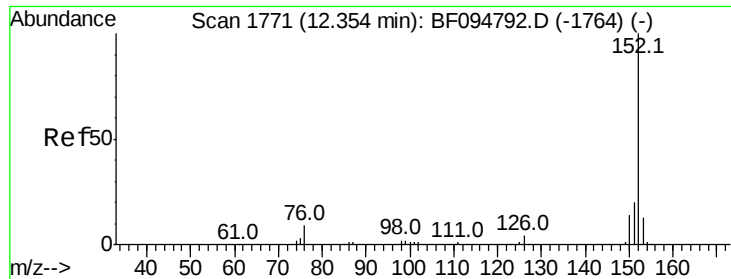
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.47 ng

RT: 12.39 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Instrument :

BNA_F

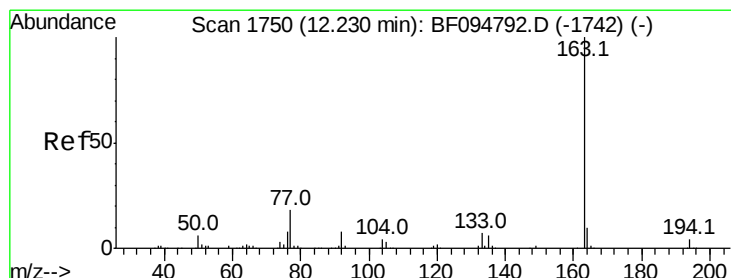
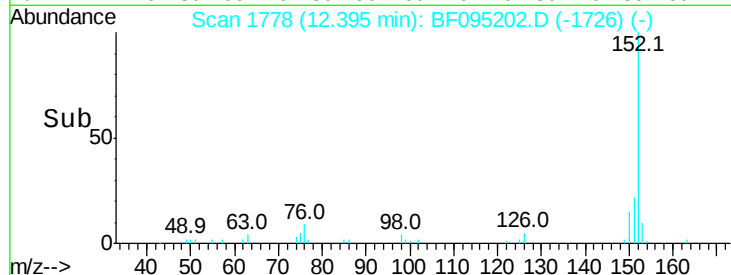
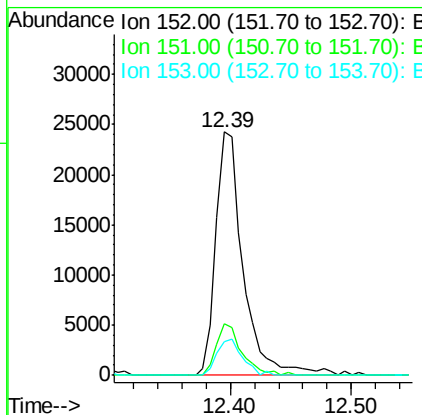
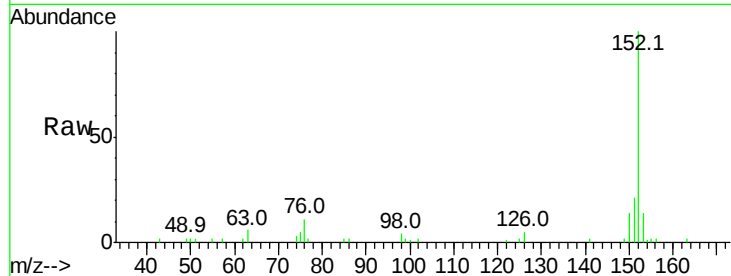
ClientSampleId :

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Tot Ion:	152	Resp:	38007
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.8	25.2
153	13.7	10.8	16.2

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#49

Dimethylphthalate

Concen: 12.48 ng

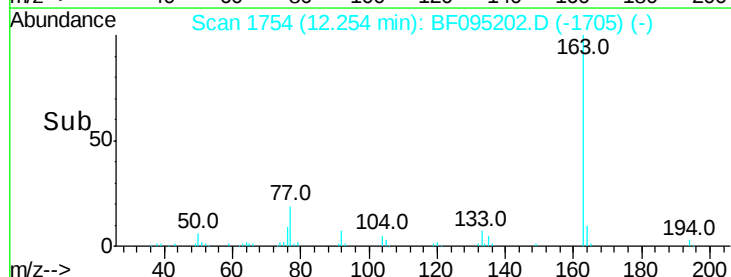
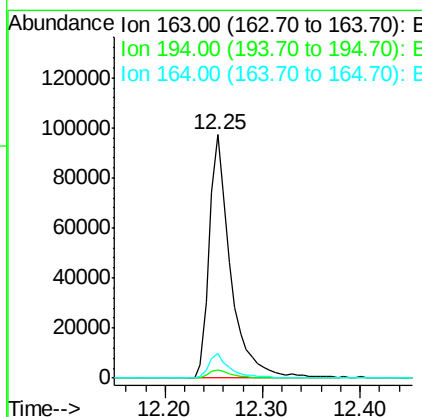
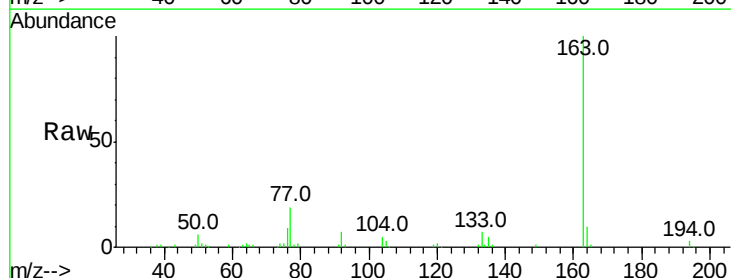
RT: 12.25 min Scan# 1754

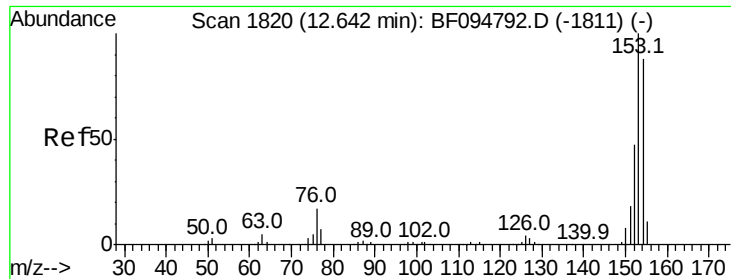
Delta R.T. -0.01 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Tgt Ion:	163	Resp:	148103
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6





#51

Acenaphthene

Concen: 4.40 ng

RT: 12.67 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Instrument :

BNA_F

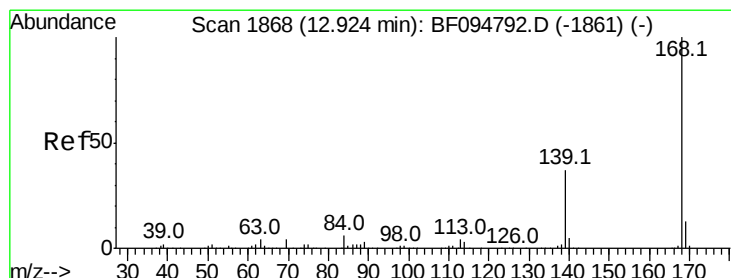
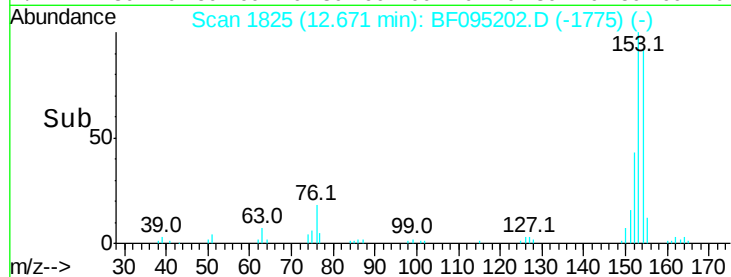
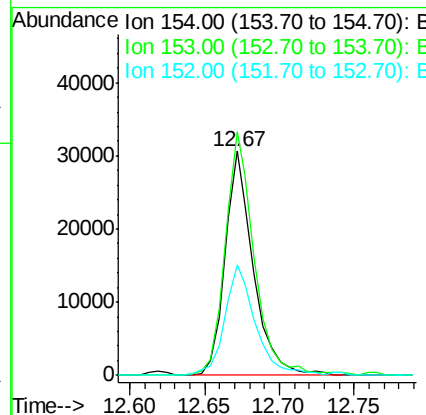
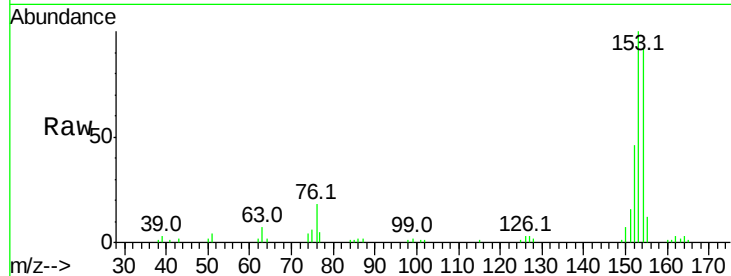
ClientSampleId :

SS-03

Tot Ion:	154	Resp:	40495
Ion Ratio	Lower	Upper	
154	100		
153	108.6	90.5	135.7
152	49.6	43.6	65.4

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#54

Dibenzofuran

Concen: 2.20 ng

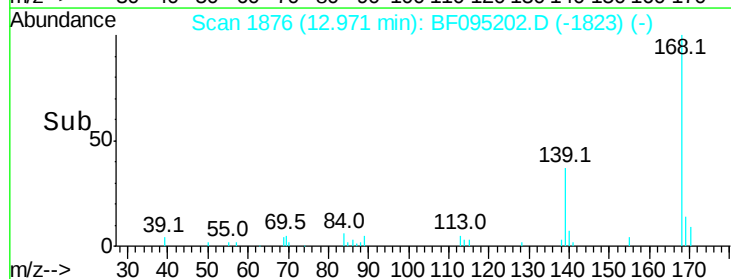
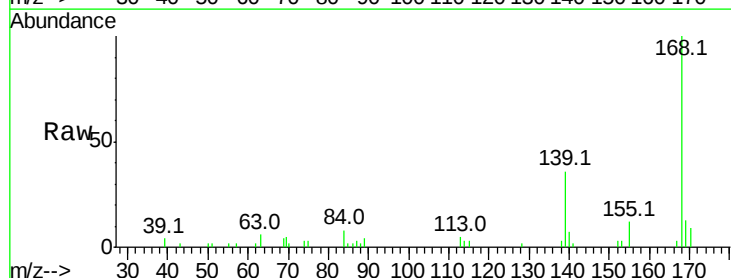
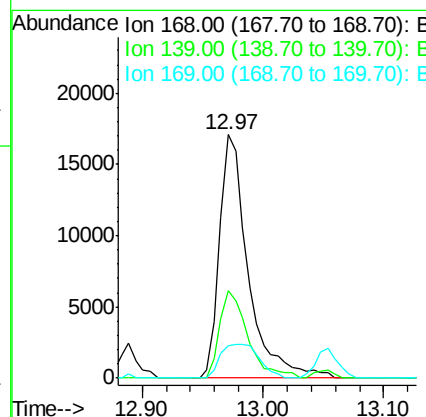
RT: 12.97 min Scan# 1876

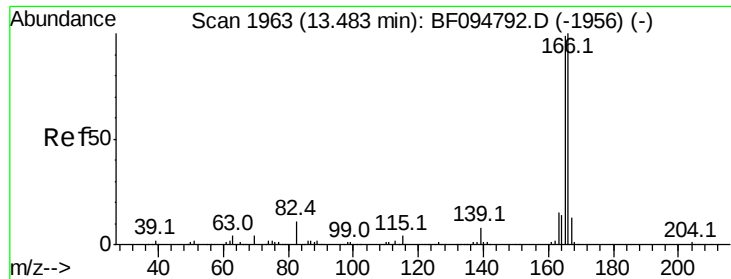
Delta R.T. 0.01 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Tgt Ion:	168	Resp:	28015
Ion Ratio	Lower	Upper	
168	100		
139	35.8	30.6	45.8
169	13.1	10.8	16.2





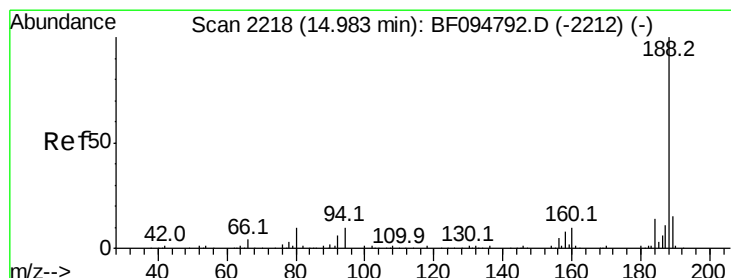
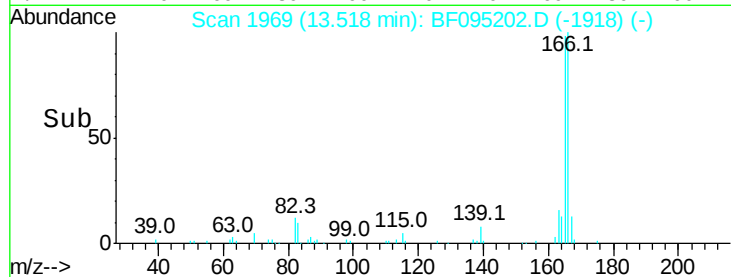
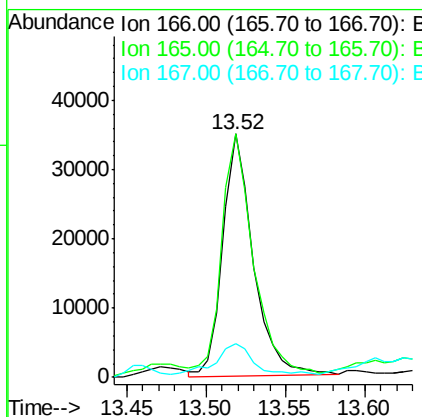
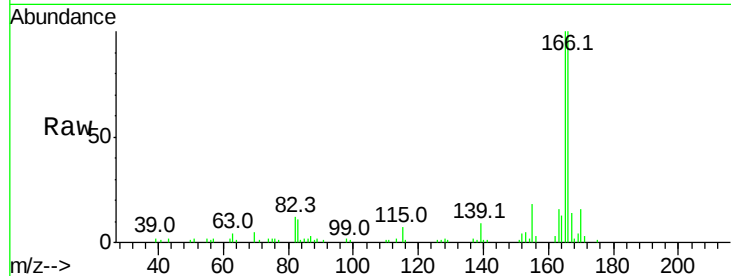
#57
Fluorene
 Concen: 4.20 ng
 RT: 13.52 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.8	118.2
167	14.0	10.6	16.0

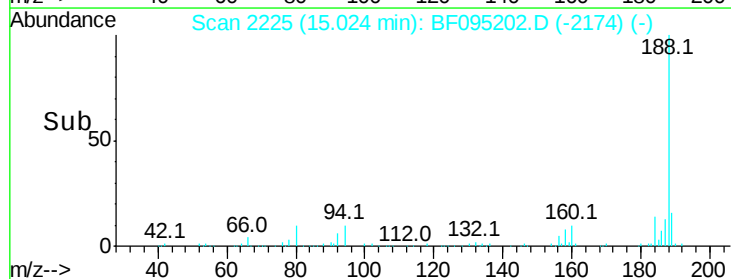
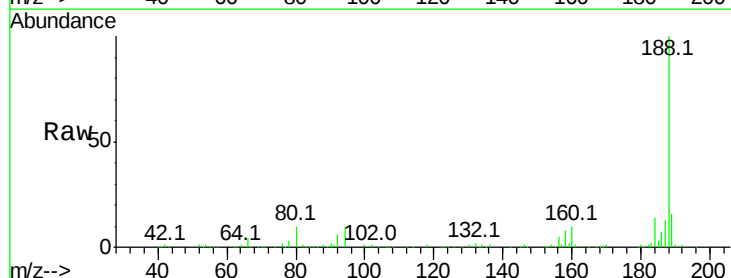
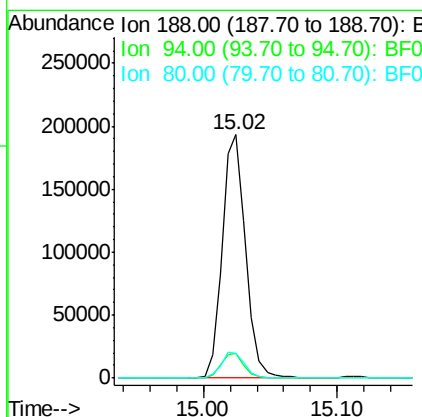
Manual Integrations
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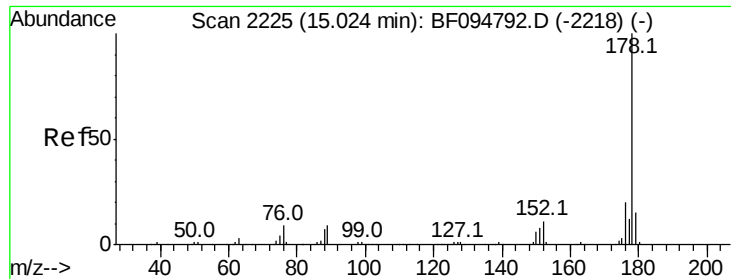
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 5/18/2017 2:29:45 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.1	10.2	15.2





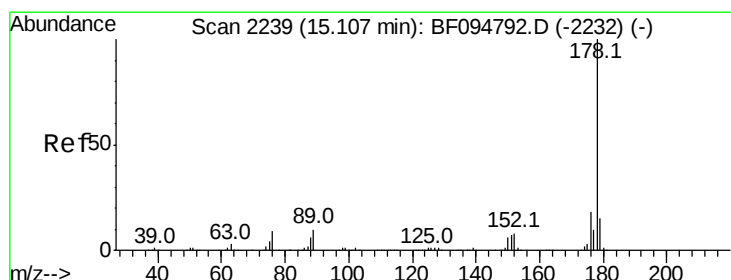
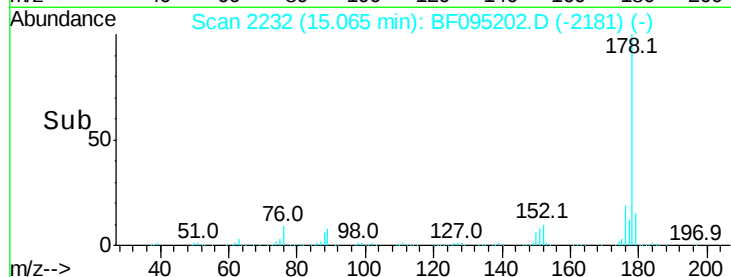
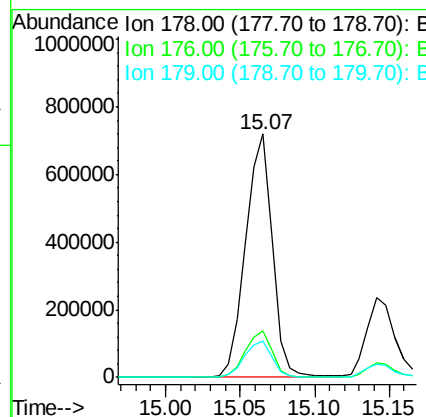
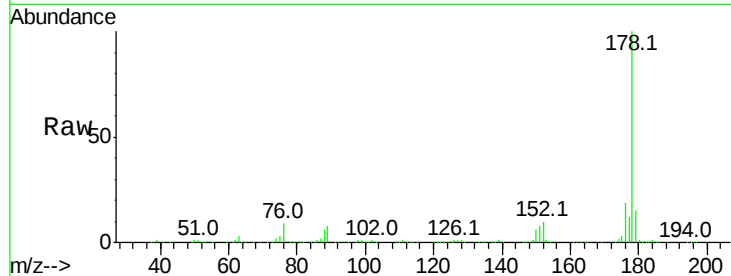
#70
Phenanthrene
Concen: 65.66 ng
RT: 15.07 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Instrument :
BNA_F
ClientSampleId :
SS-03

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.1	12.6	19.0

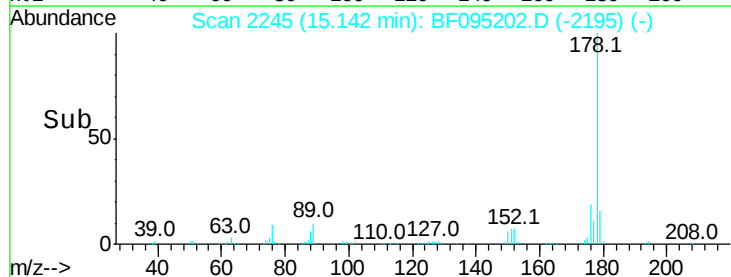
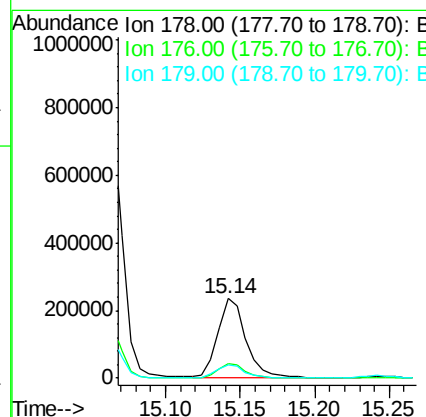
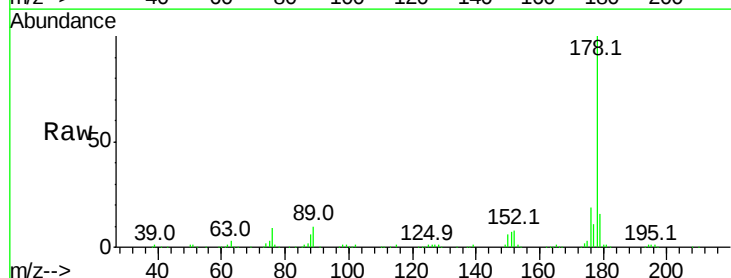
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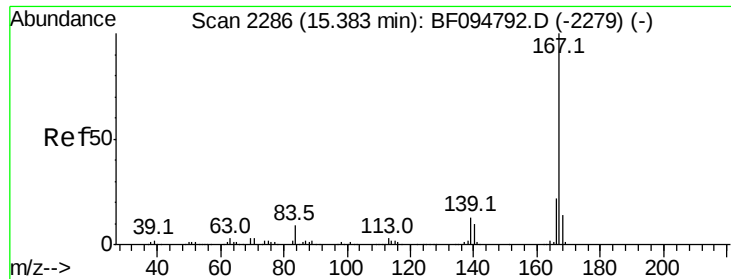
mohammad
5/18/2017 2:29:45 PM



#71
Anthracene
Concen: 22.17 ng
RT: 15.14 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.4	12.7	19.1





#72

Carbazole

Concen: 2.49 ng

RT: 15.44 min Scan# 2296

Delta R.T. 0.02 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Instrument :

BNA_F

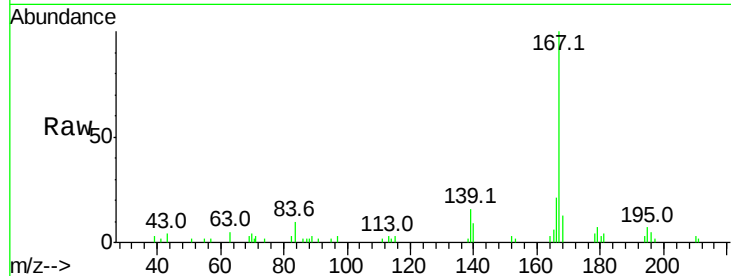
ClientSampled :

SS-03

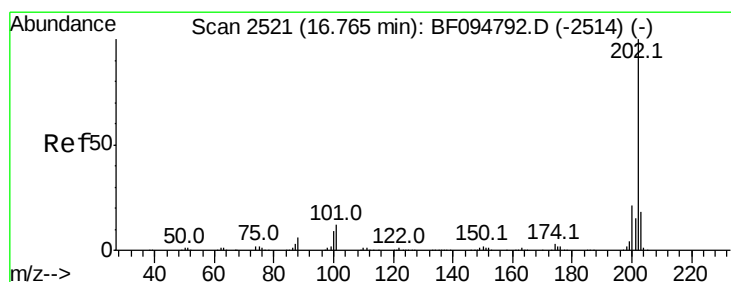
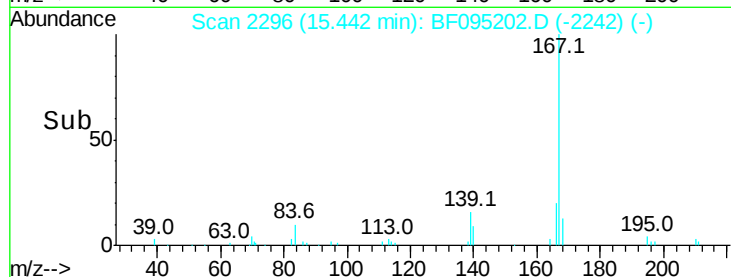
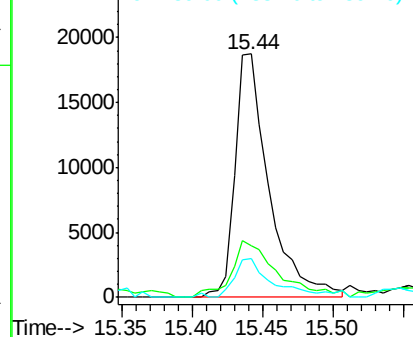
Tot Ion:	167	Resp:	31556
Ion Ratio	Lower	Upper	
167	100		
166	21.0	18.1	27.1
139	15.9	11.7	17.5

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 112.86 ng

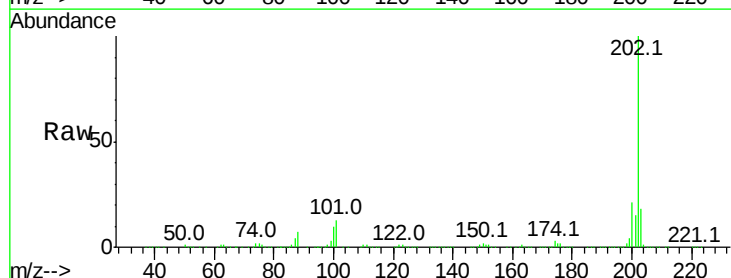
RT: 16.81 min Scan# 2529

Delta R.T. 0.01 min

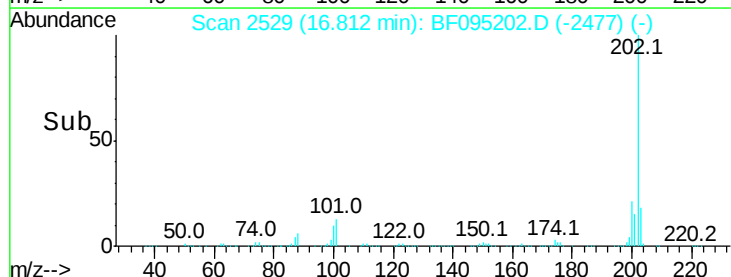
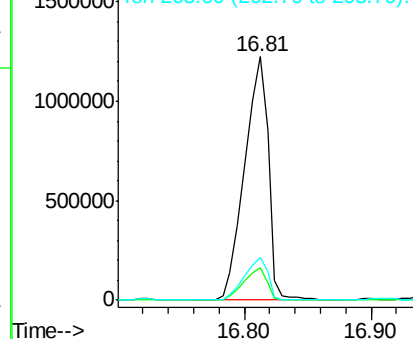
Lab File: BF095202.D

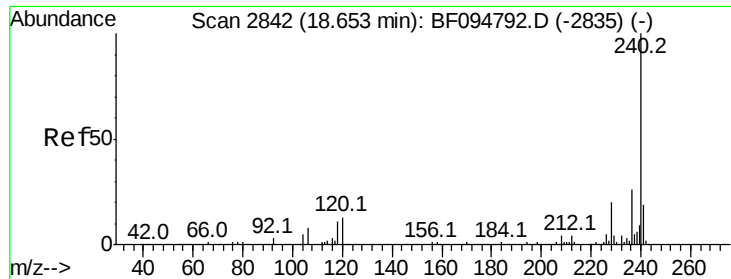
Acq: 18 May 2017 00:24

Tgt Ion:	202	Resp:	1581263
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	33.2
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Instrument :

BNA_F

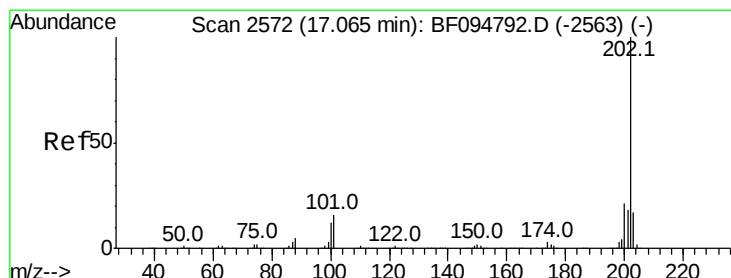
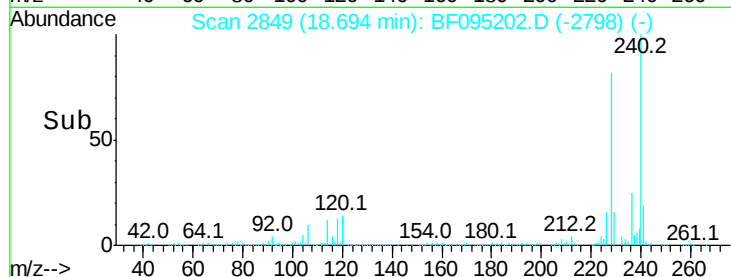
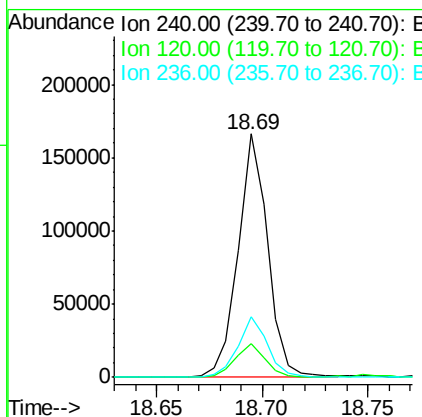
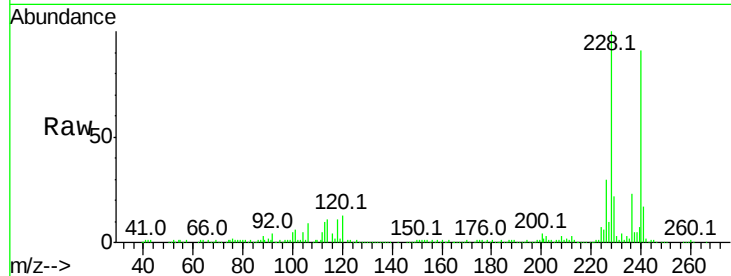
ClientSampled :

SS-03

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.0	20.5	30.7

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#77

Pyrene

Concen: 111.33 ng

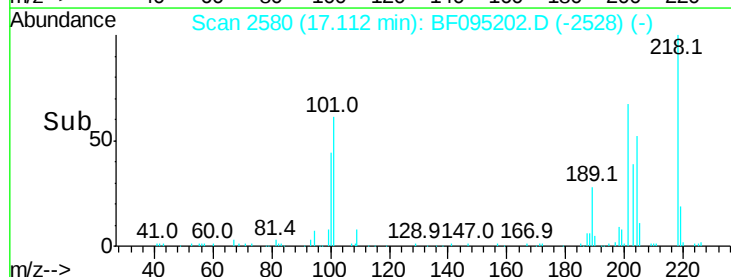
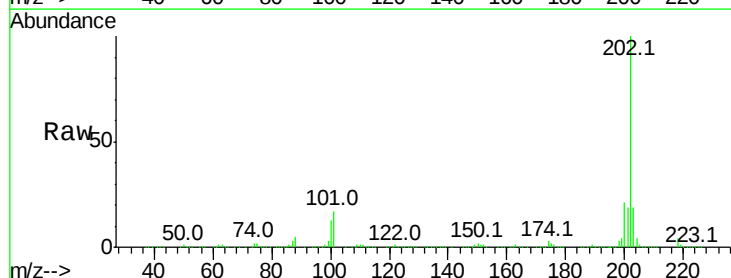
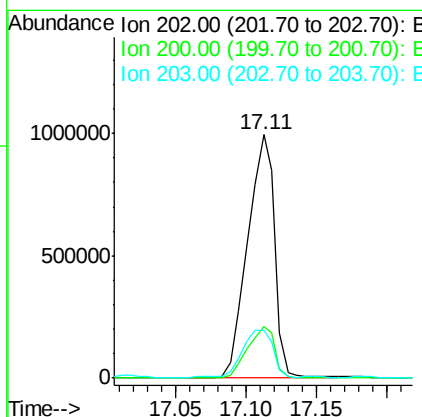
RT: 17.11 min Scan# 2580

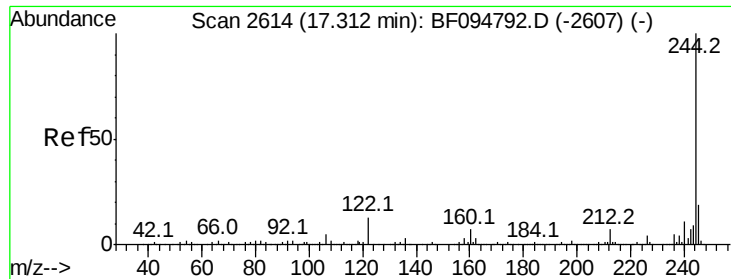
Delta R.T. 0.01 min

Lab File: BF095202.D

Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	19.5	14.4	21.6





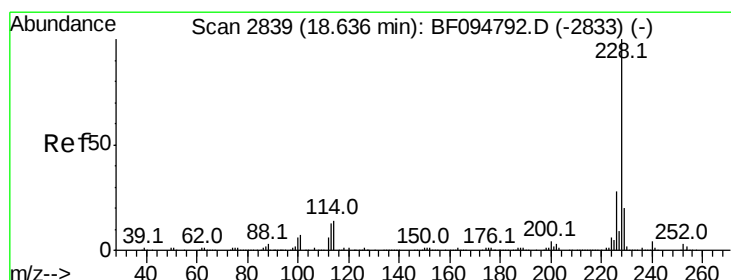
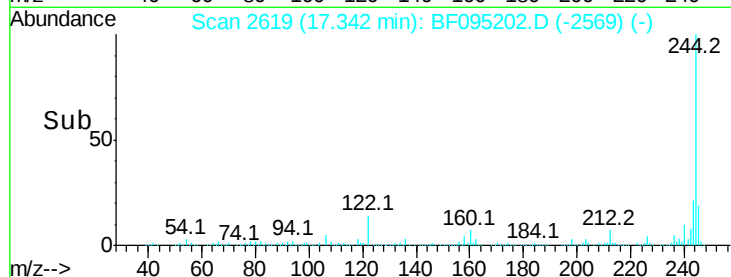
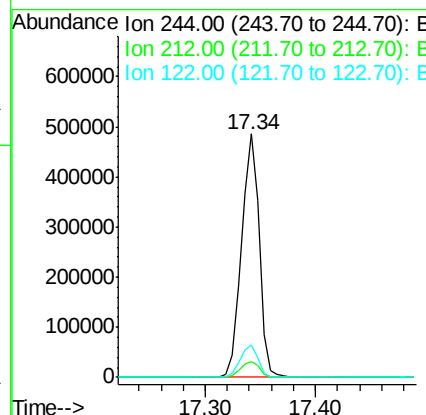
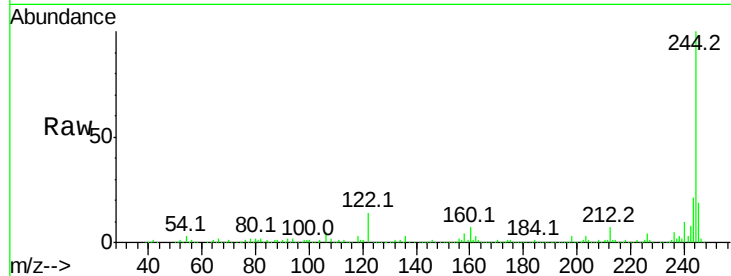
#78
 Terphenyl-d14
 Concen: 75.63 ng
 RT: 17.34 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.6	10.3	15.5

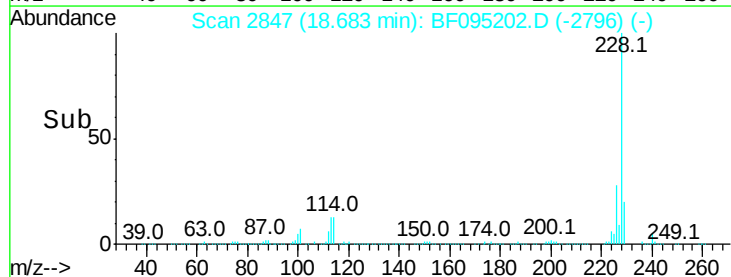
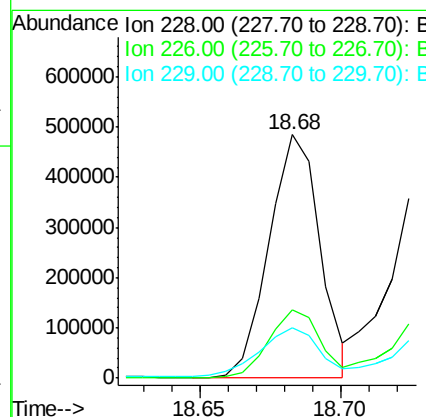
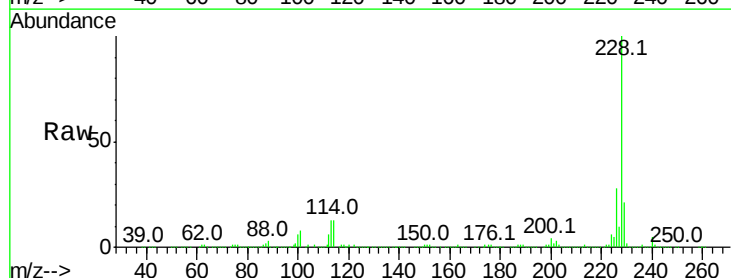
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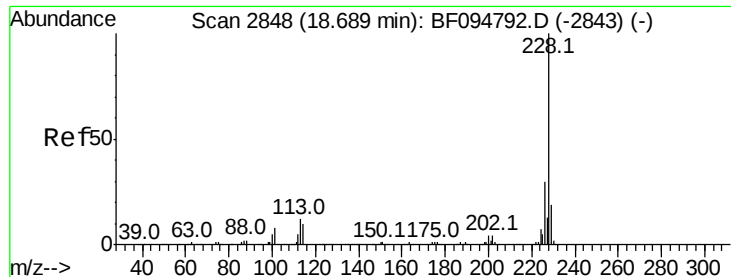
mohammad
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#80
 Benzo(a)anthracene
 Concen: 65.07 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BF095202.D
 Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.7	16.3	24.5





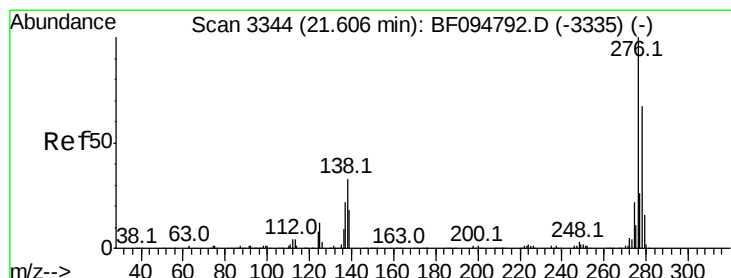
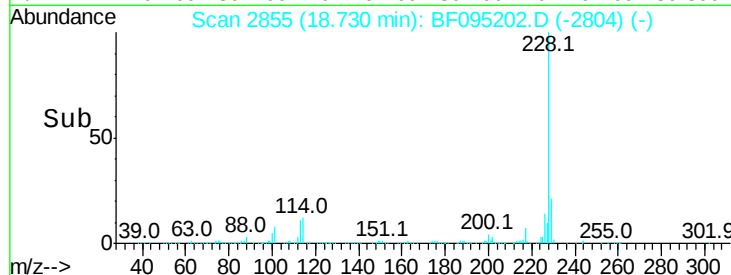
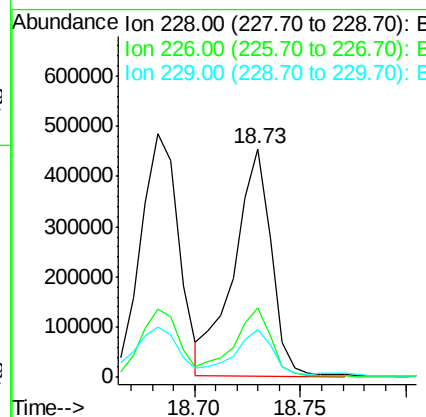
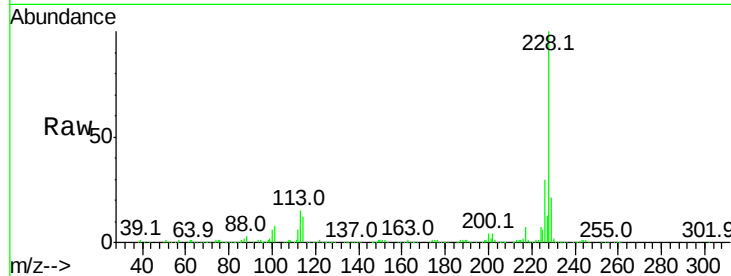
#82
Chrysene
Concen: 62.42 ng/ml
RT: 18.73 min Scan# 2855
Delta R.T. -0.00 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Instrument :
BNA_F
ClientSampleId :
SS-03

Tot Ion:228	Resp:	561666
Ion Ratio	Lower	Upper
228 100		
226 30.4	24.9	37.3
229 21.1	15.8	23.6

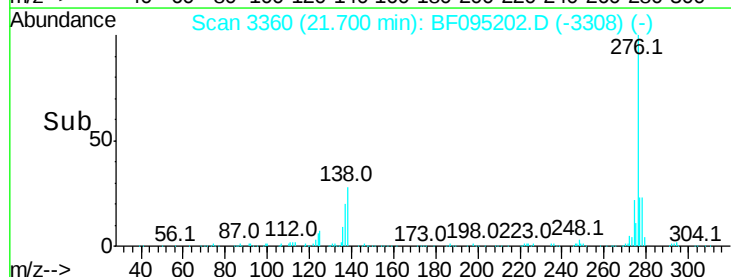
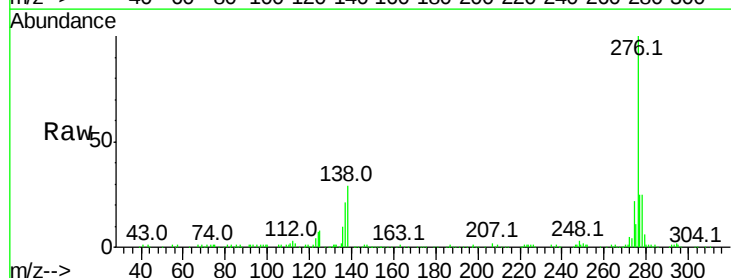
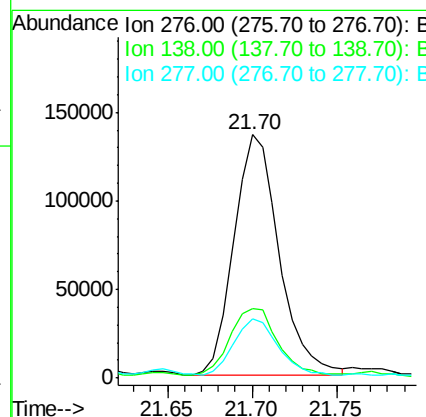
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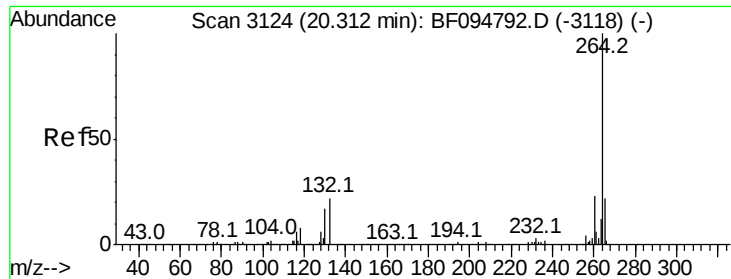
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 34.58 ng
RT: 21.70 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Tgt Ion:276	Resp:	252692
Ion Ratio	Lower	Upper
276 100		
138 30.5	27.8	41.6
277 22.9	20.2	30.4





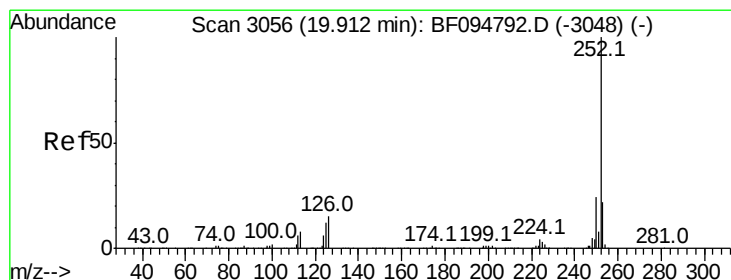
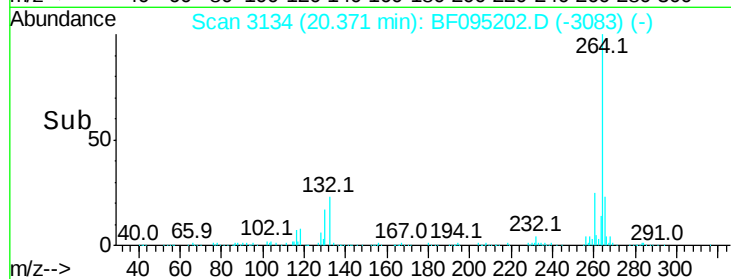
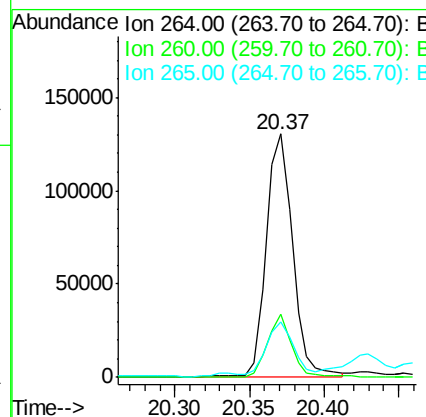
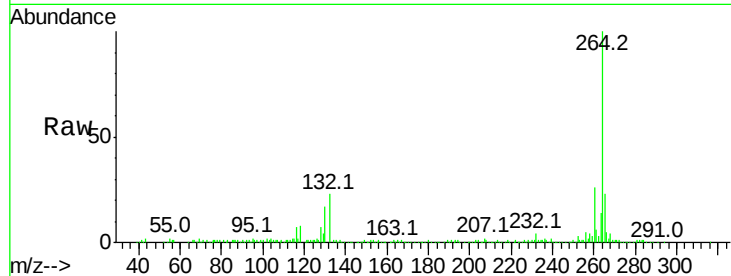
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Instrument :
BNA_F
ClientSampleId :
SS-03

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.5	29.3
265	22.6	17.2	25.8

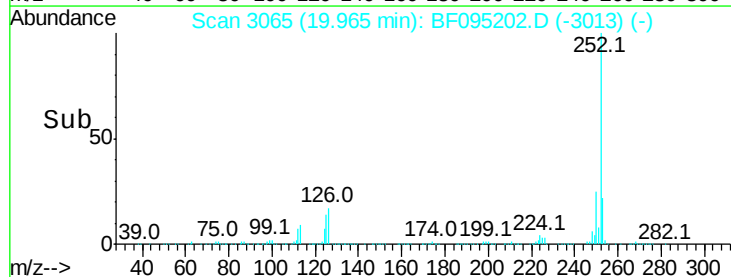
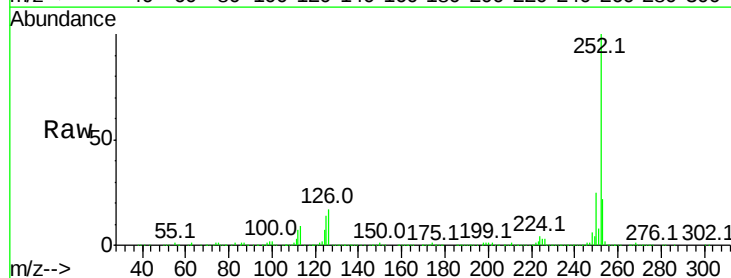
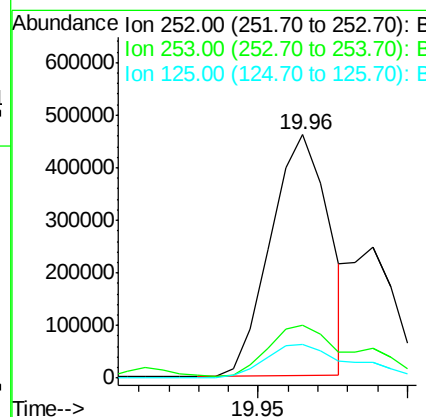
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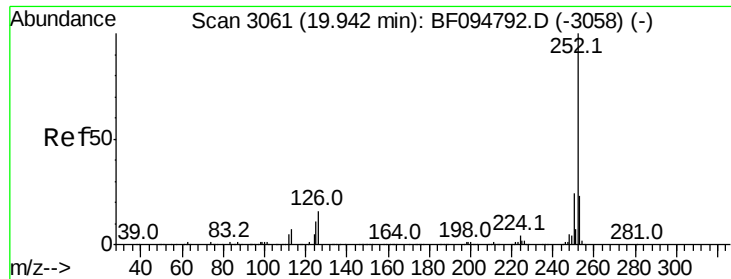
mohammad
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#87
Benzo(b)fluoranthene
Concen: 63.34 ng m
RT: 19.96 min Scan# 3065
Delta R.T. 0.01 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	13.8	9.8	14.8





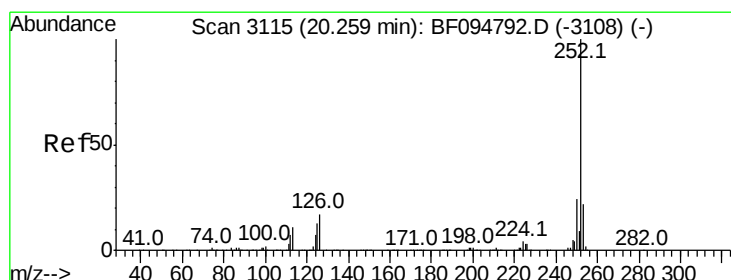
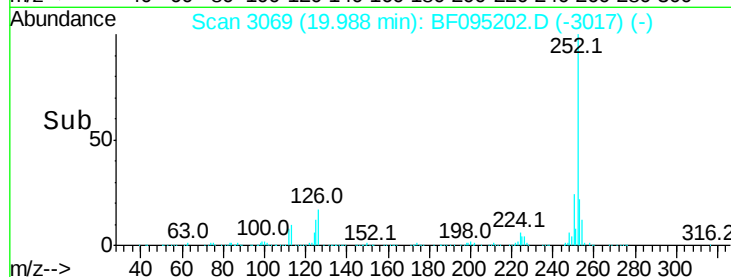
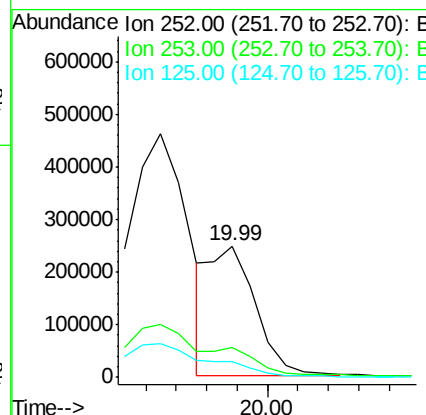
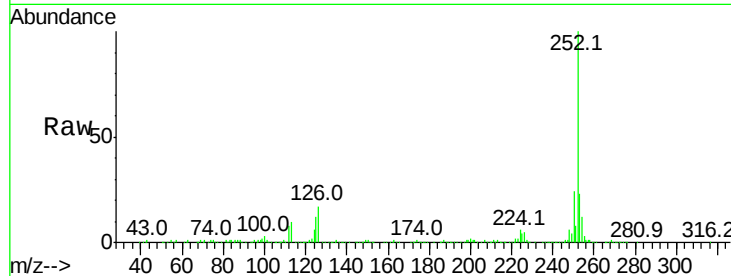
#88
Benzo(k)fluoranthene
Concen: 27.16 ng m
RT: 19.99 min Scan# 3069
Delta R.T. 0.01 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Instrument :
BNA_F
ClientSampleId :
SS-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	12.4	13.1	19.7

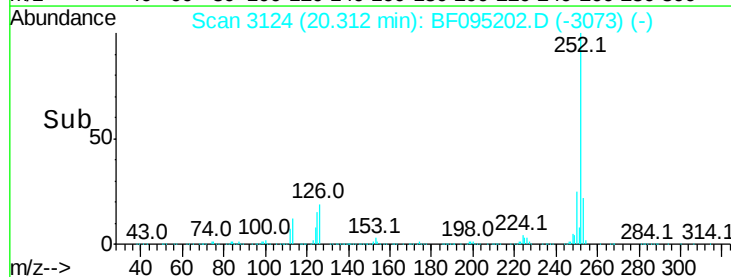
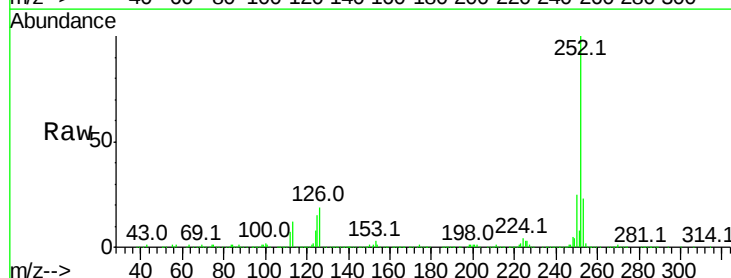
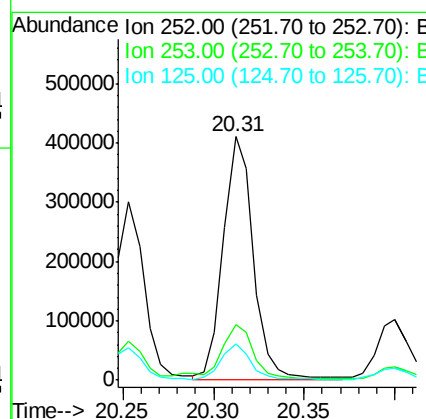
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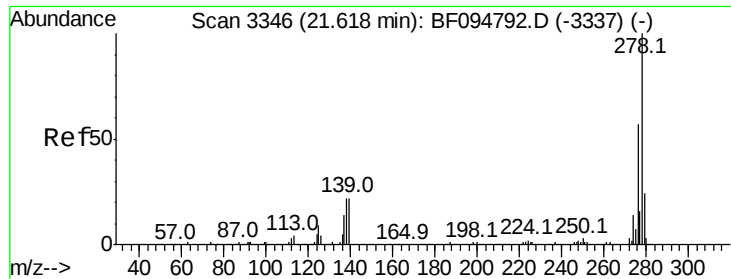
mohammad
5/18/2017 2:29:45 PM



#89
Benzo(a)pyrene
Concen: 51.77 ng
RT: 20.31 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.0	11.0	16.4





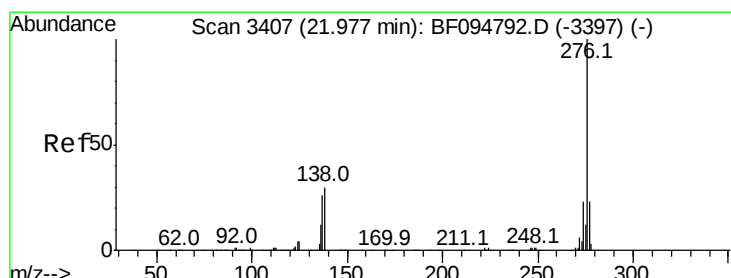
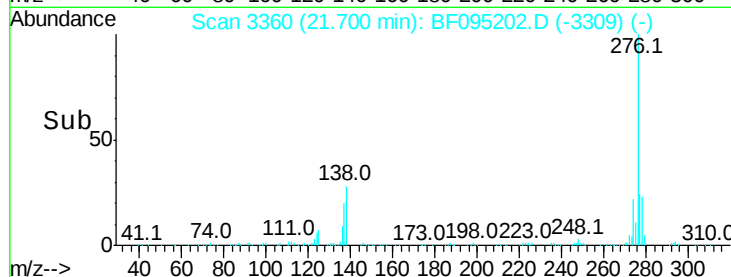
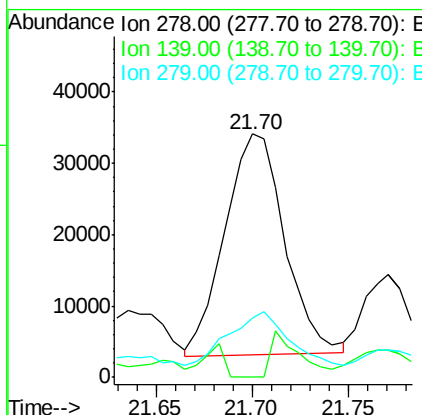
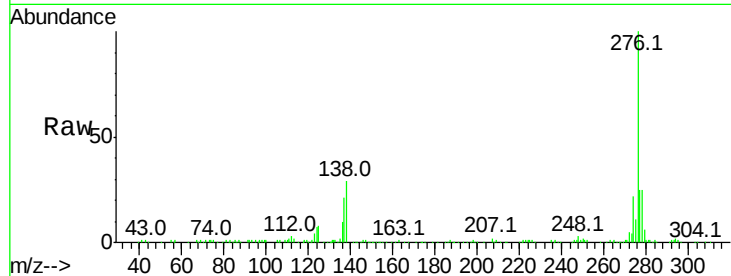
#90
Dibenzo(a,h)anthracene
Concen: 8.94 ng/mL
RT: 21.70 min Scan# 3360
Delta R.T. -0.00 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Instrument :
BNA_F
ClientSampleId :
SS-03

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8
279	24.6	19.3	28.9

Manual Integrations
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5/18/2017 2:29:45 PM



#91
Benzo(g,h,i)perylene
Concen: 31.24 ng/mL
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095202.D
Acq: 18 May 2017 00:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	28.1	25.4	38.0

