

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095000.D
 Acq On : 9 May 2017 1:58
 Operator : SJ/MA
 Sample : I2996-01 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01

Manual Integrations
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mohammad
 5/9/2017 5:02:50 PM

Quant Time: May 09 07:20:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	91552	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	377631	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	167715	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	267592	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	206821	20.00	ng	-0.02
86) Perylene-d12	20.29	264	179220	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	34284	6.24	ng	0.01
7) Phenol-d6	7.29	99	51595	7.83	ng	0.01
23) Nitrobenzene-d5	8.63	82	30213	5.05	ng	0.00
41) 2,4,6-Tribromophenol	13.87	330	9538	6.94	ng	-0.01
44) 2-Fluorobiphenyl	11.51	172	68014	5.84	ng	-0.02
78) Terphenyl-d14	17.28	244	43165	4.60	ng	-0.03
Target Compounds						Qvalue
51) Acenaphthene	12.61	154	31653	2.97	ng	97
54) Dibenzofuran	12.91	168	39380	2.67	ng	96
57) Fluorene	13.46	166	58025	4.52	ng	98
70) Phenanthrene	15.00	178	558010	36.29	ng	98
71) Anthracene	15.08	178	158995	10.12	ng	96
72) Carbazole	15.37	167	29853	2.09	ng	95
74) Fluoranthene	16.74	202	609436	38.64	ng	99
77) Pyrene	17.04	202	478167	30.91	ng	# 96
80) Benzo(a)anthracene	18.62	228	253586	21.07	ng	99
82) Chrysene	18.67	228	225908	19.41	ng	98
85) Indeno(1,2,3-cd)pyrene	21.59	276	72709	7.69	ng	97
87) Benzo(b)fluoranthene	19.89	252	227735m	20.56	ng	
88) Benzo(k)fluoranthene	19.92	252	99152m	9.28	ng	
89) Benzo(a)pyrene	20.24	252	166132	16.26	ng	98
90) Dibenzo(a,h)anthracene	21.59	278	20020m	2.37	ng	
91) Benzo(g,h,i)perylene	21.97	276	64038	7.73	ng	97

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

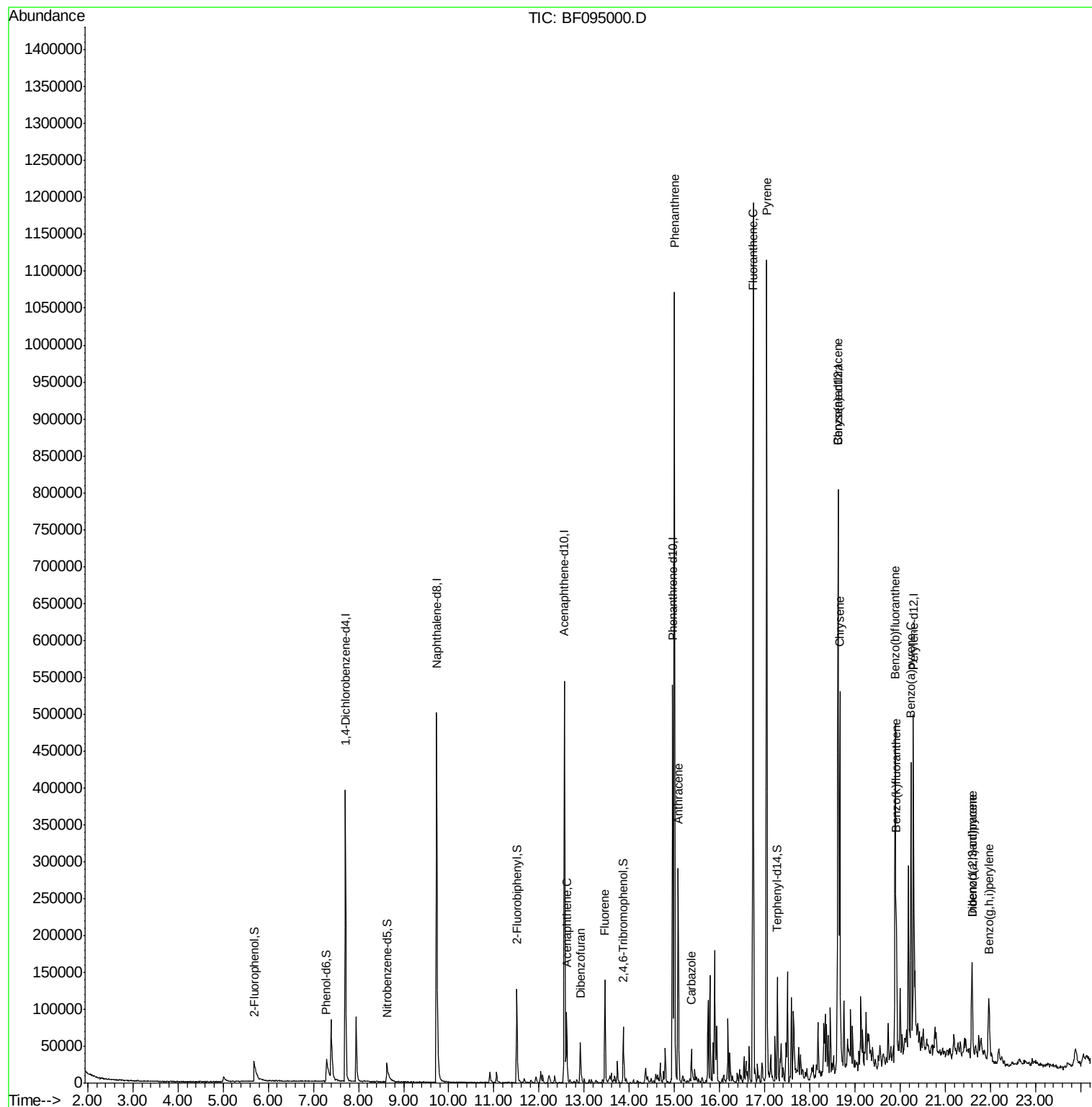
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
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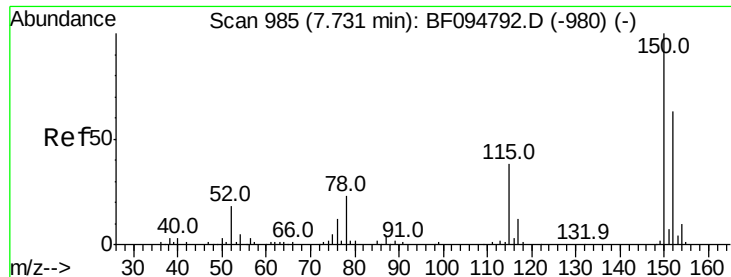
Instrument :
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#1

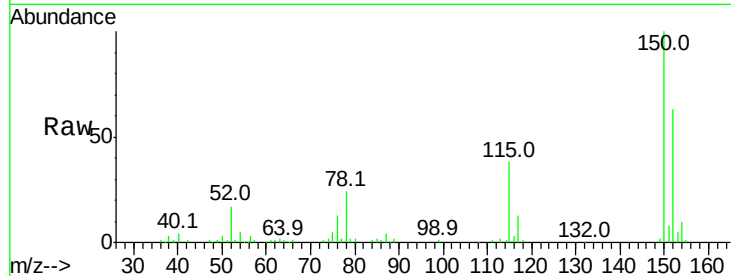
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Instrument :
BNA_F
ClientSampled :
SS-01

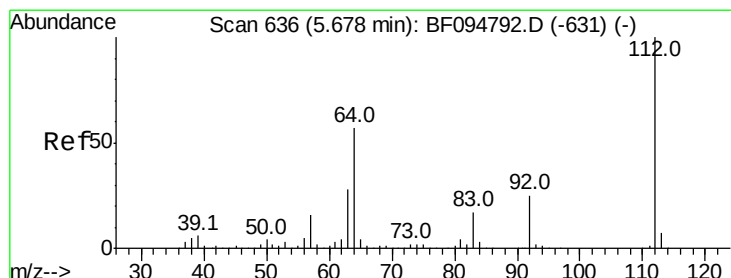
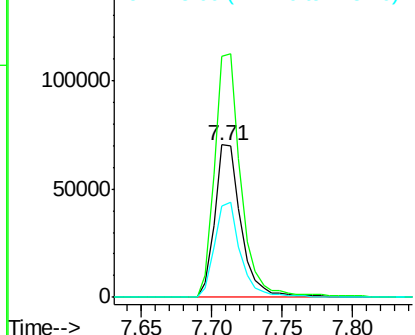
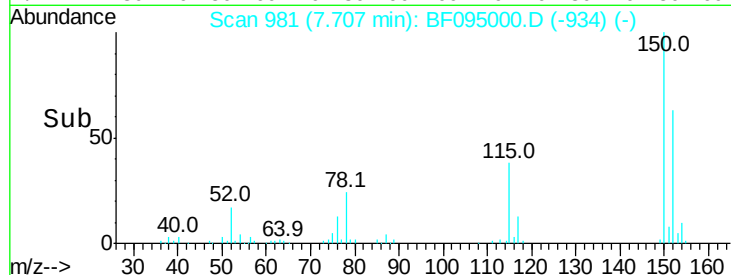
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	60.0	52.2	78.2

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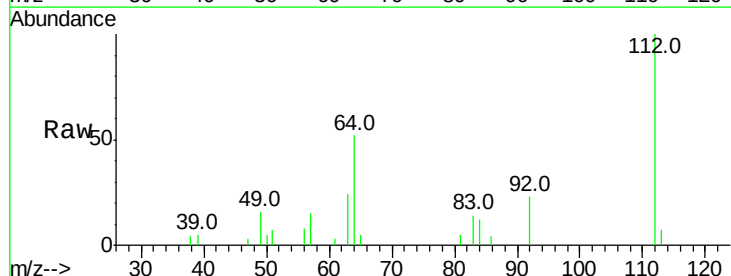
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



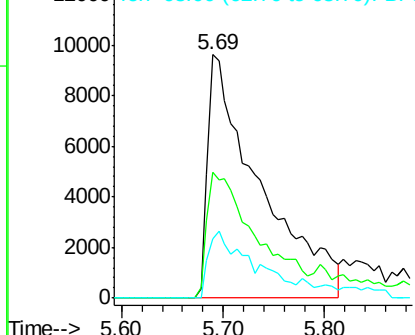
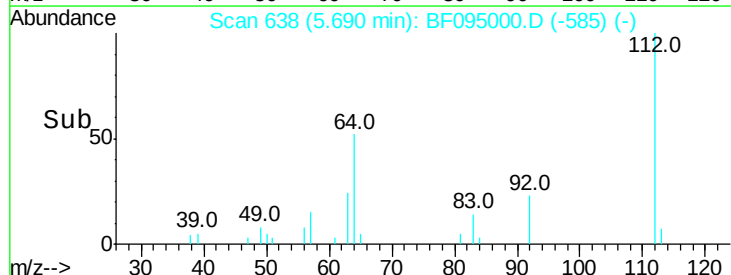
#5

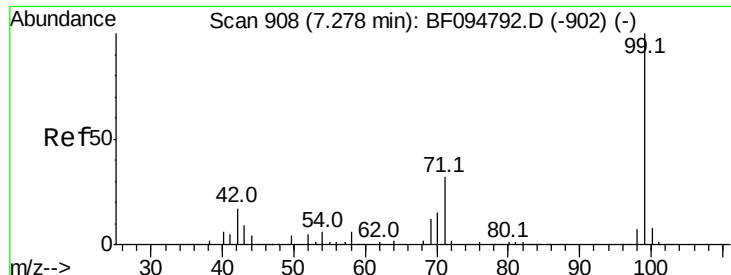
2-Fluorophenol
Concen: 6.24 ng
RT: 5.69 min Scan# 638
Delta R.T. 0.01 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	46.0	69.0
63	24.4	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: 7.83 ng

RT: 7.29 min Scan# 910

Delta R.T. 0.01 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Instrument :

BNA_F

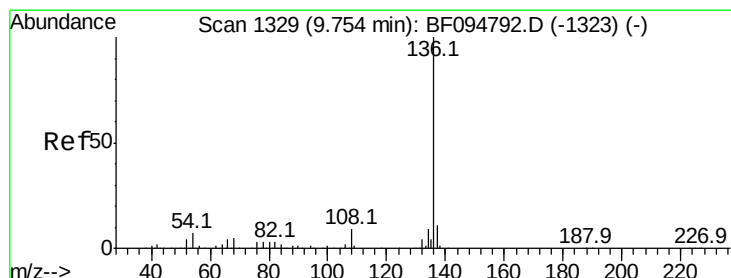
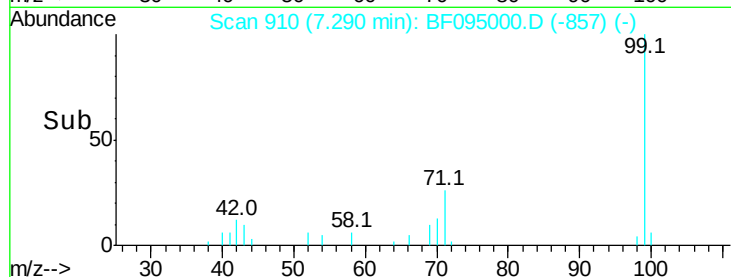
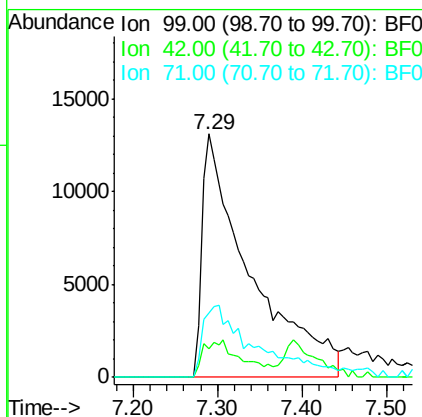
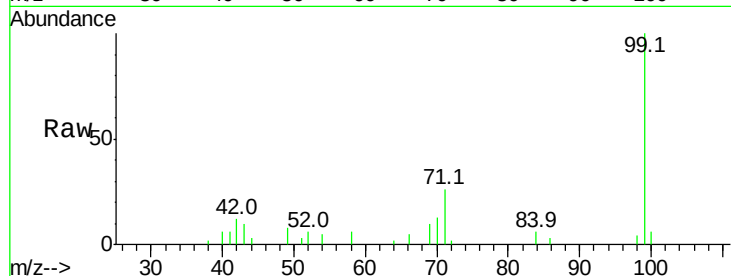
ClientSampled :

SS-01

Tot Ion:	99	Resp:	51595
Ion Ratio	Lower	Upper	
99	100		
42	11.9	13.5	20.3#
71	26.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

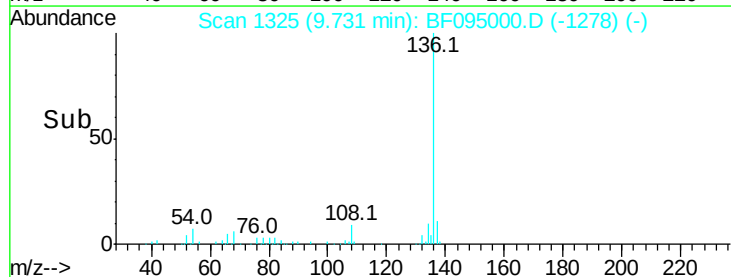
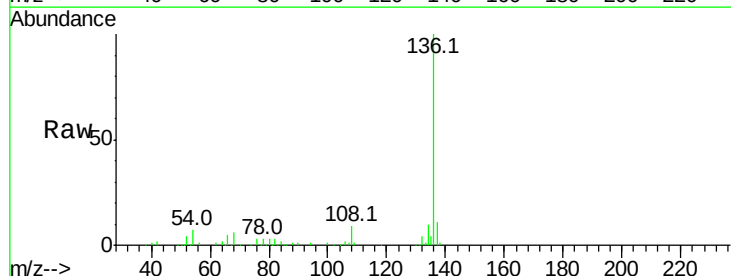
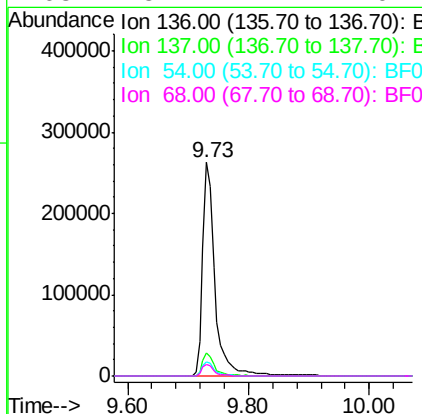
RT: 9.73 min Scan# 1325

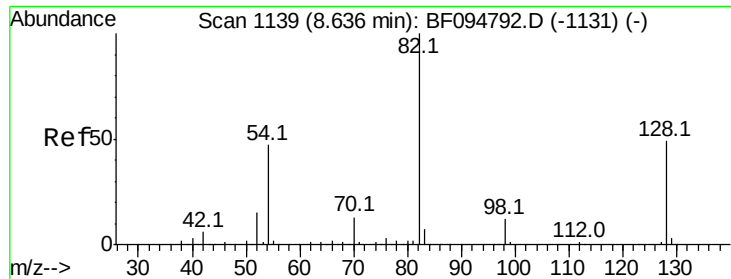
Delta R.T. -0.02 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Tgt Ion:	136	Resp:	377631
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.9	4.9	7.3
68	5.7	4.1	6.1





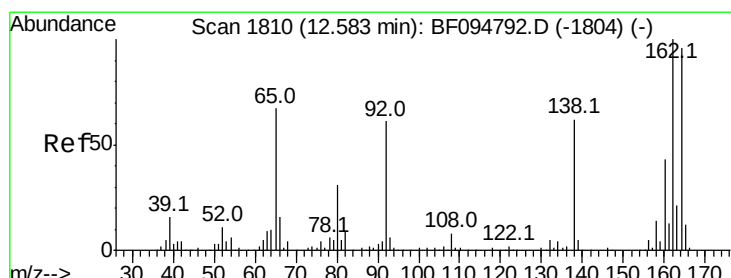
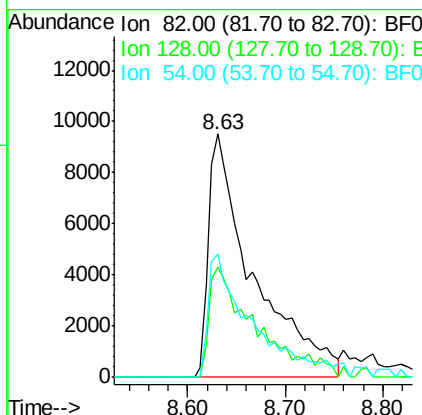
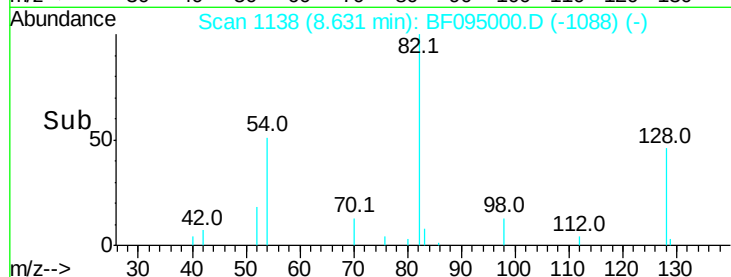
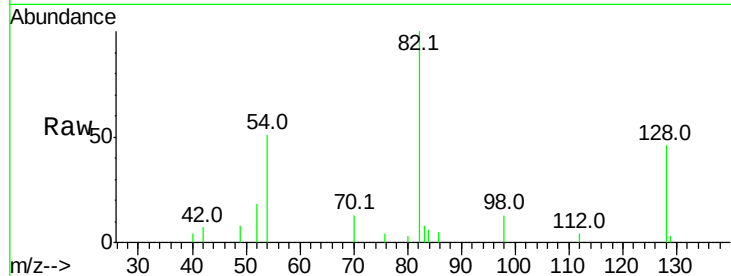
#23
 Nitrobenzene-d5
 Concen: 5.05 ng
 RT: 8.63 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF095000.D
 Acq: 9 May 2017 1:58

Instrument :
 BNA_F
 ClientSampled :
 SS-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	50.5	42.2	63.2

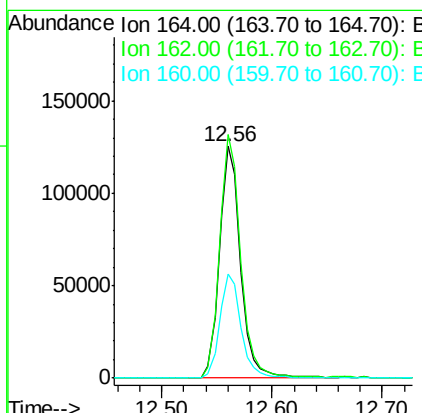
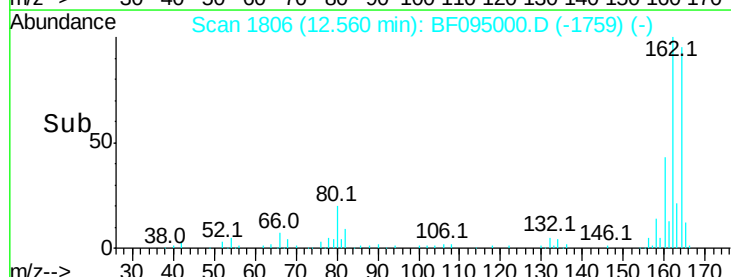
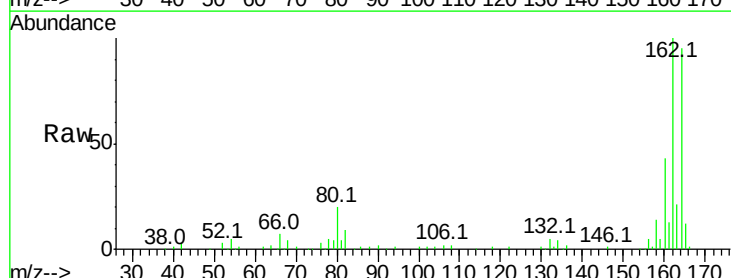
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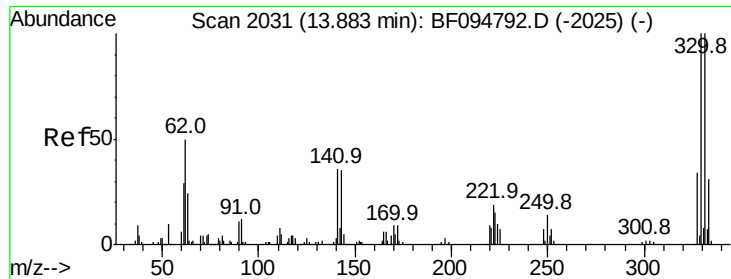
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.56 min Scan# 1806
 Delta R.T. -0.02 min
 Lab File: BF095000.D
 Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	45.0	36.2	54.2





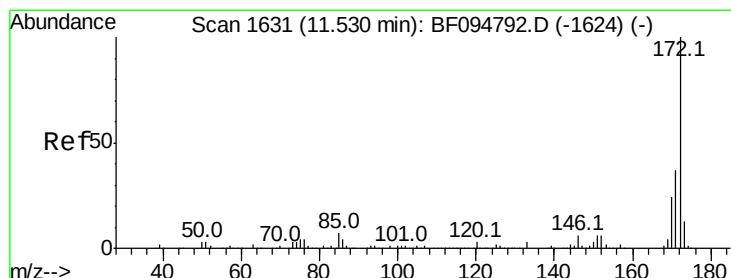
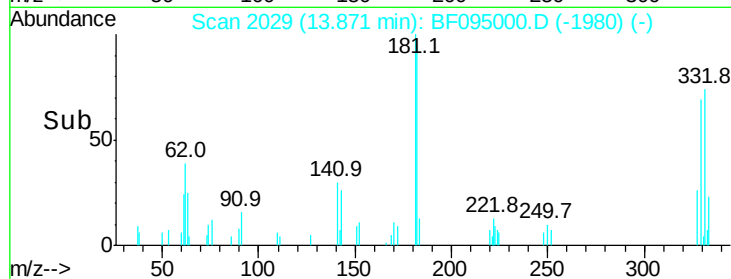
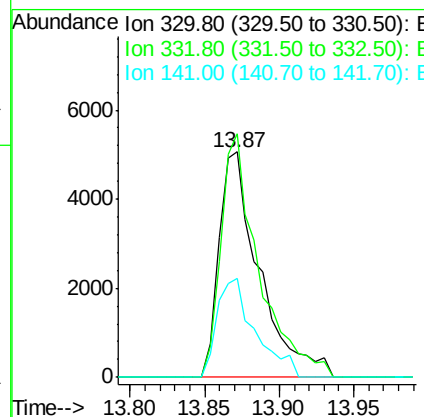
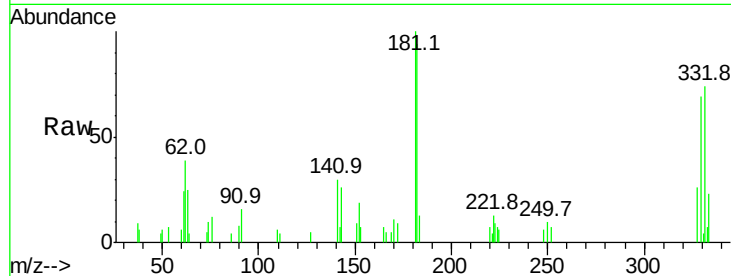
#41
 2,4,6-Tribromophenol
 Concen: 6.94 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF095000.D
 Acq: 9 May 2017 1:58

Instrument :
 BNA_F
 ClientSampleId :
 SS-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.5	76.6	115.0
141	41.3	31.4	47.2

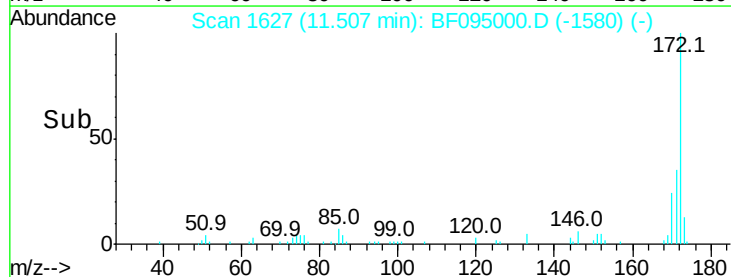
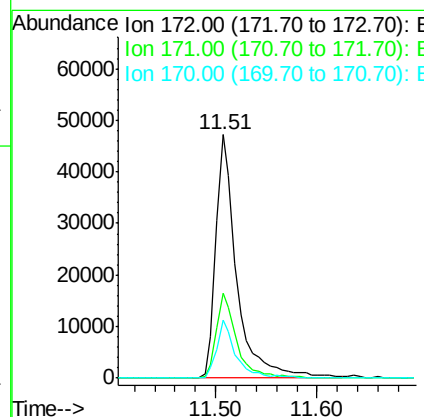
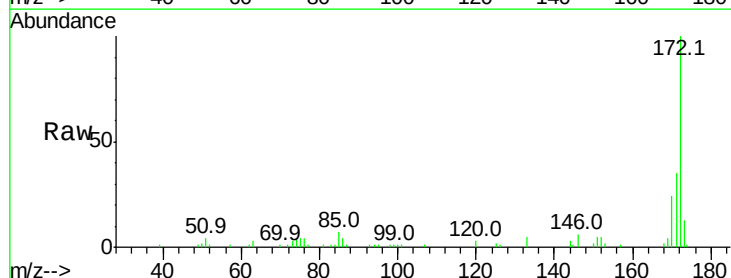
Manual Integrations
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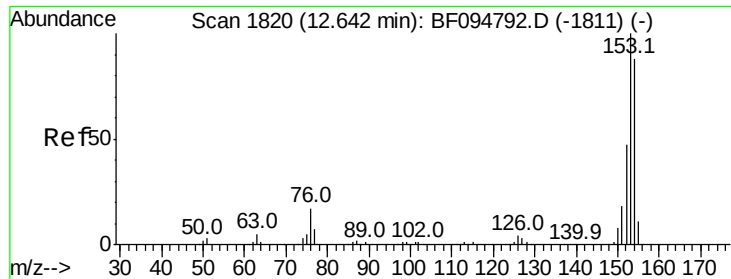
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#44
 2-Fluorobiphenyl
 Concen: 5.84 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095000.D
 Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.6	19.8	29.8





#51

Acenaphthene

Concen: 2.97 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Instrument :

BNA_F

ClientSampleId :

SS-01

Tot Ion:154 Resp: 31653

Ion Ratio Lower Upper

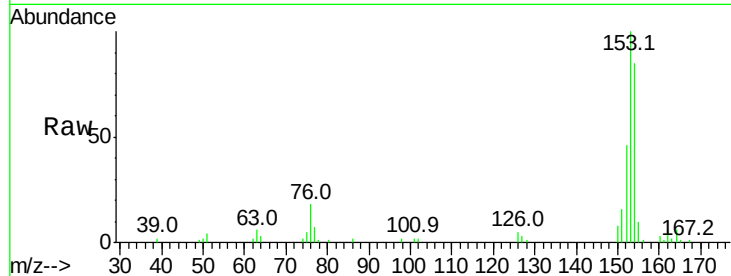
154 100

153 117.2 90.5 135.7

152 54.0 43.6 65.4

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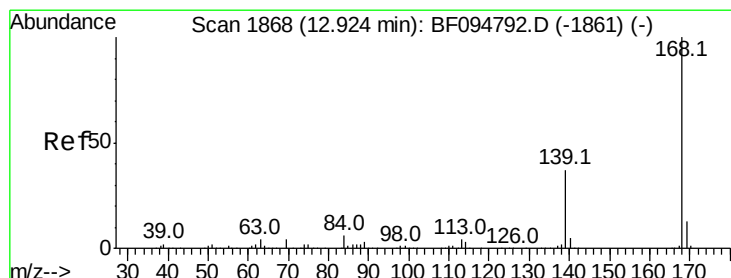
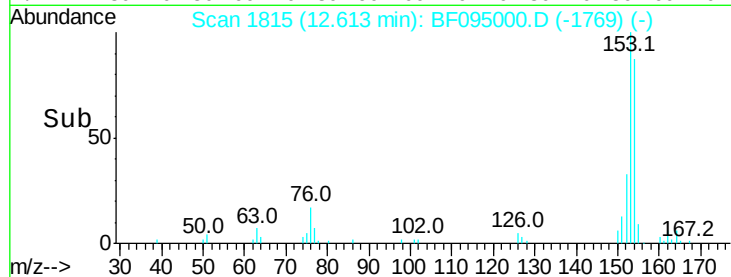
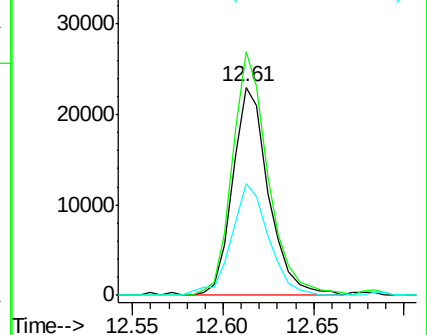
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.67 ng

RT: 12.91 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

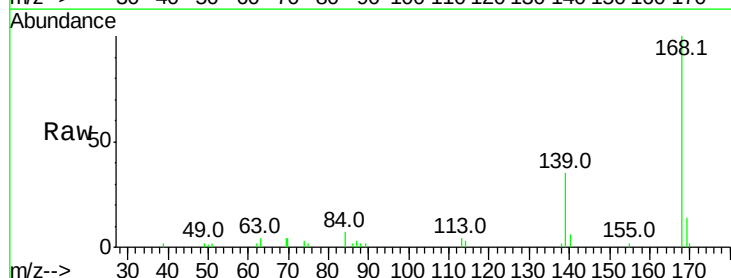
Tgt Ion:168 Resp: 39380

Ion Ratio Lower Upper

168 100

139 35.1 30.6 45.8

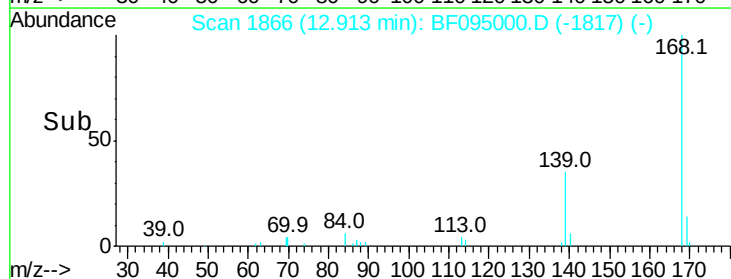
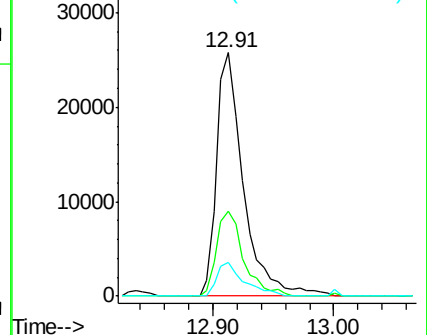
169 13.6 10.8 16.2

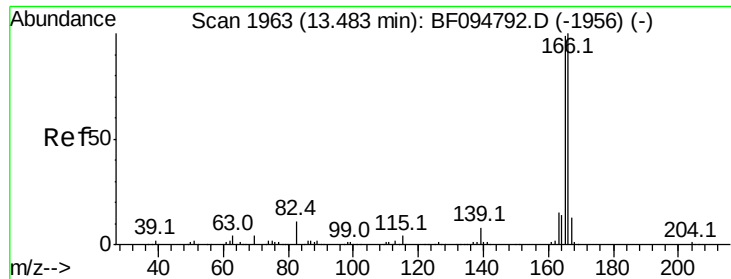


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





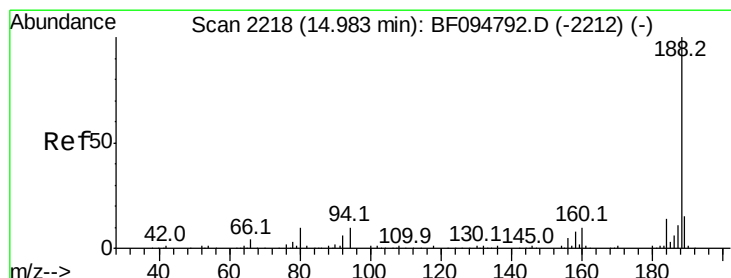
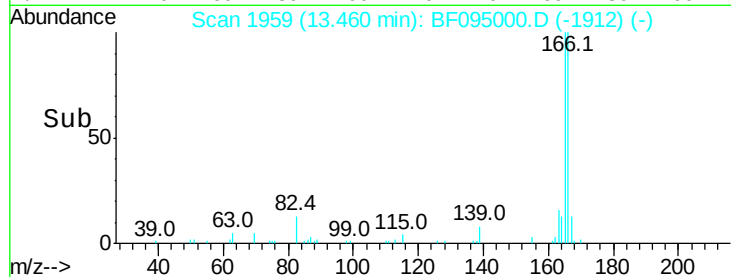
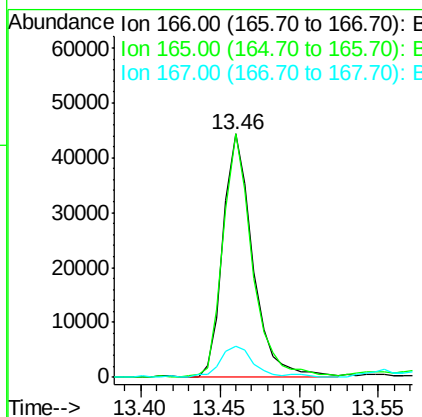
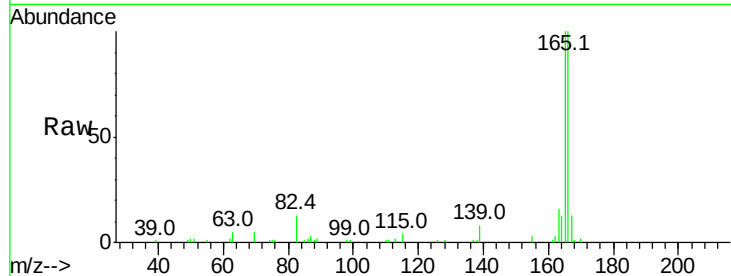
#57
Fluorene
 Concen: 4.52 ng
 RT: 13.46 min Scan# 1959
 Delta R.T. -0.02 min
 Lab File: BF095000.D
 Acq: 9 May 2017 1:58

Instrument :
 BNA_F
 ClientSampleId :
 SS-01

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.8	118.2
167	12.9	10.6	16.0

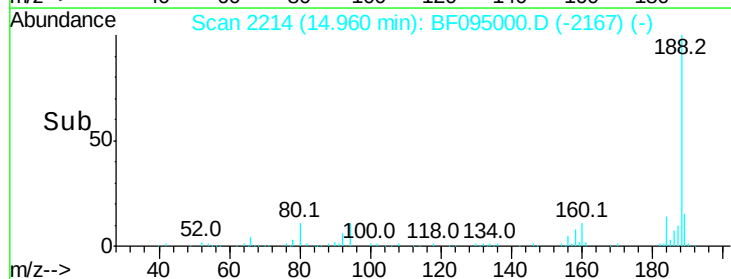
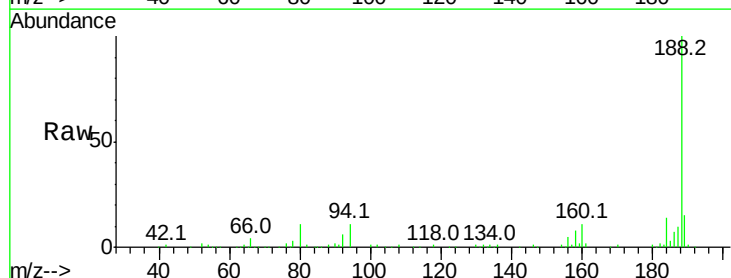
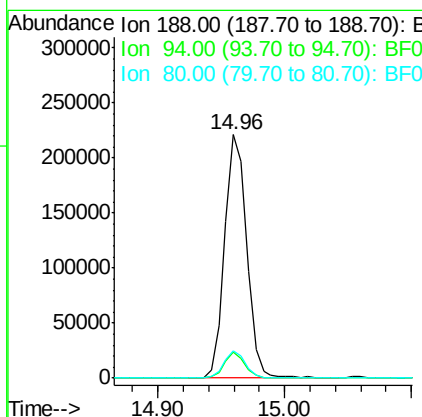
Manual Integrations
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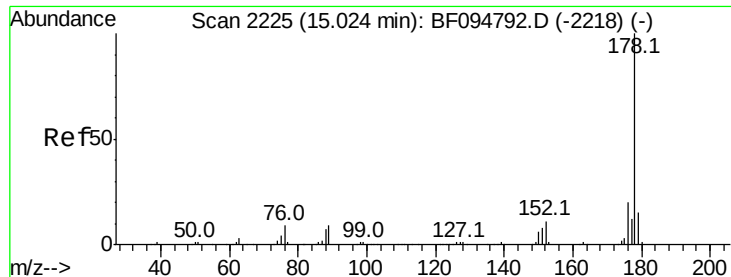
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2214
 Delta R.T. -0.02 min
 Lab File: BF095000.D
 Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.2	10.2	15.2





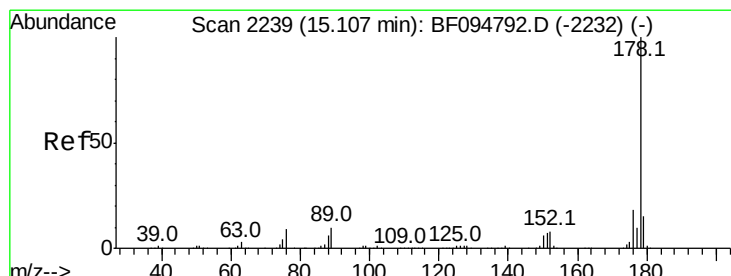
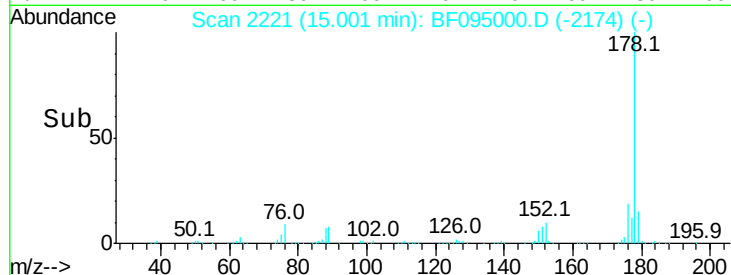
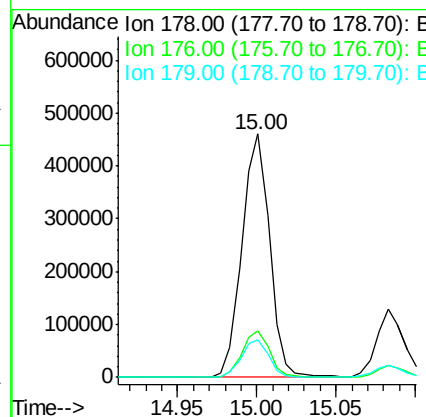
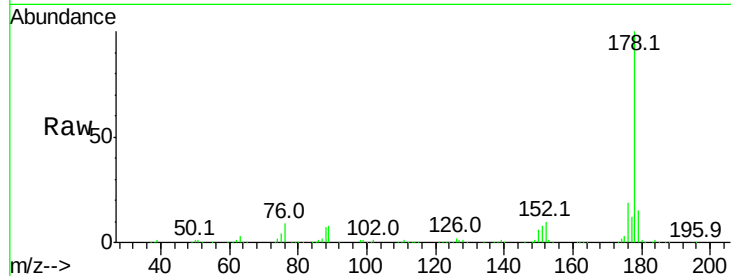
#70
Phenanthrene
Concen: 36.29 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Instrument :
BNA_F
ClientSampleId :
SS-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.2	12.6	19.0

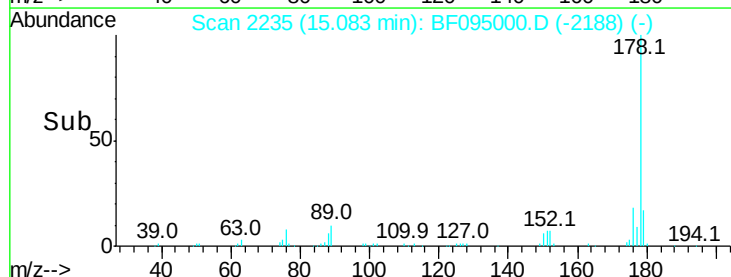
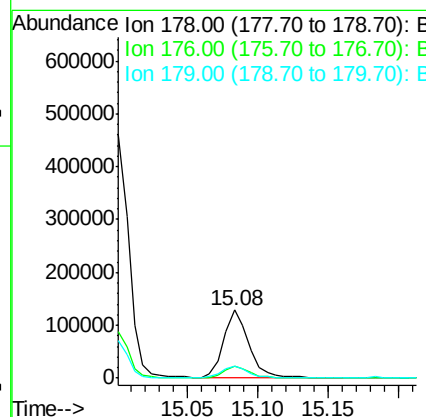
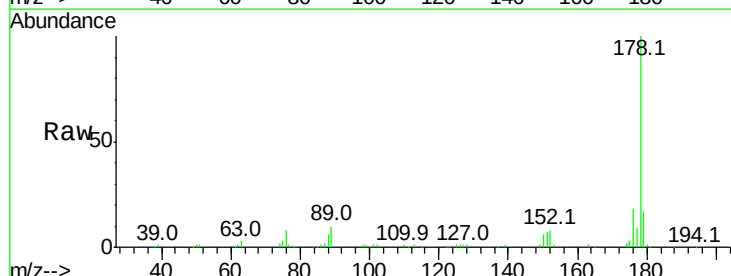
Manual Integrations
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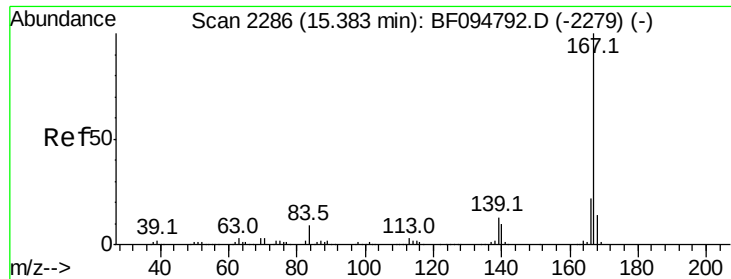
mohammad
5/9/2017 5:02:50 PM



#71
Anthracene
Concen: 10.12 ng
RT: 15.08 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	17.4	12.7	19.1





#72

Carbazole

Concen: 2.09 ng

RT: 15.37 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Instrument :

BNA_F

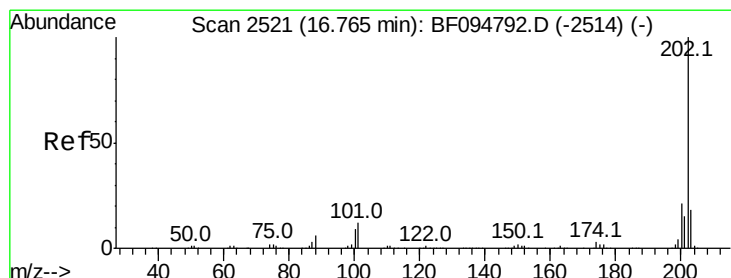
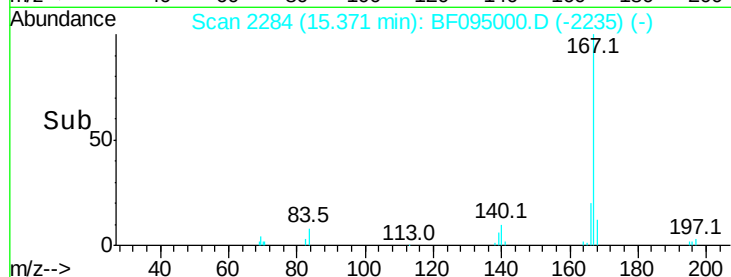
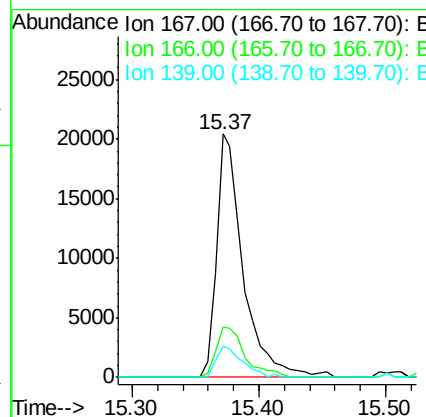
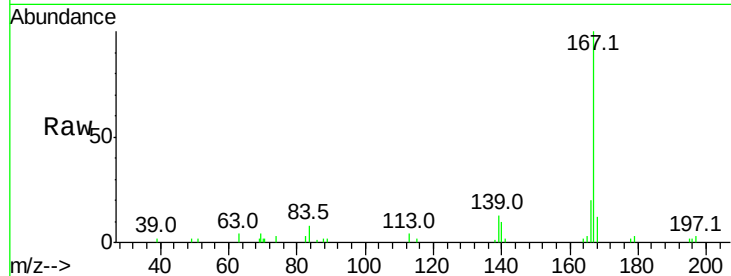
ClientSampled :

SS-01

Tot Ion:	167	Resp:	29853
Ion Ratio	Lower	Upper	
167	100		
166	20.5	18.1	27.1
139	12.6	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 38.64 ng

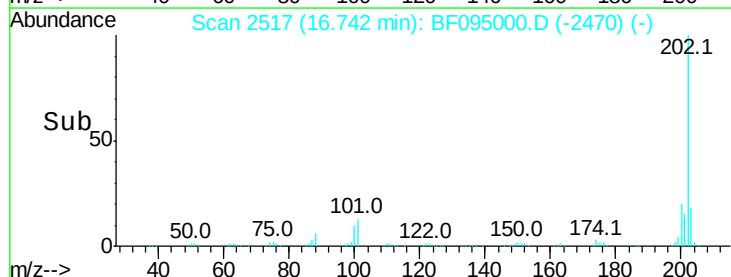
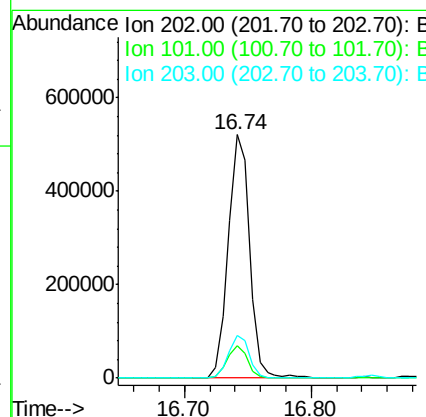
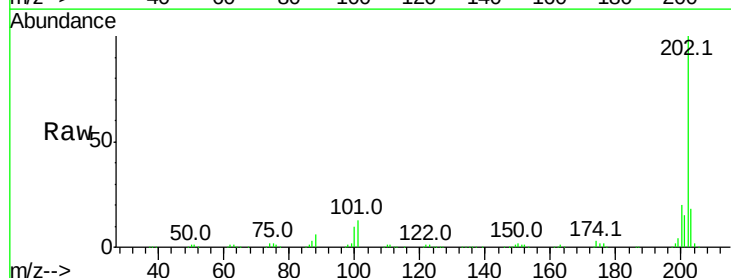
RT: 16.74 min Scan# 2517

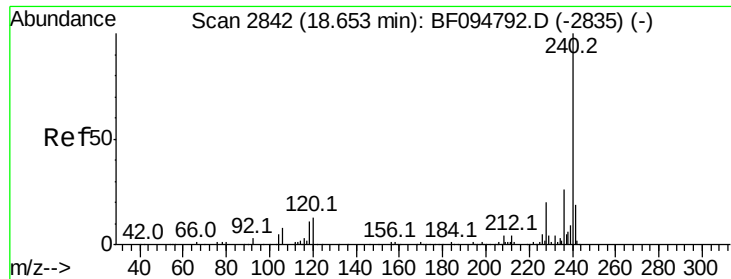
Delta R.T. -0.02 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Tgt Ion:	202	Resp:	609436
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Instrument :

BNA_F

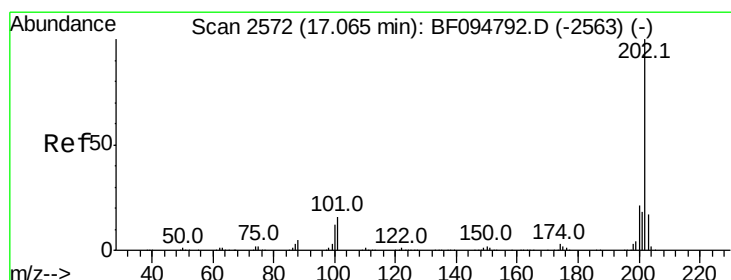
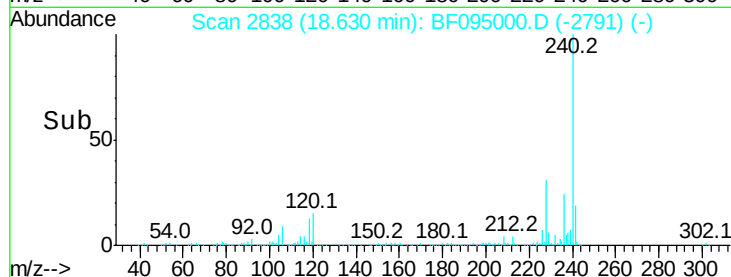
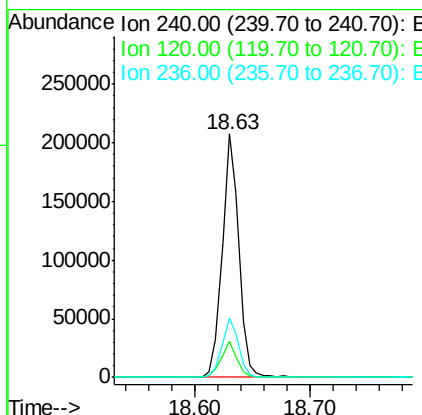
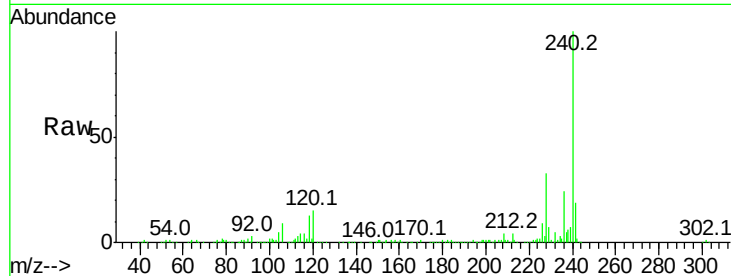
ClientSampled :

SS-01

Tot Ion:	240	Resp:	206821
Ion Ratio	Lower	Upper	
240	100		
120	14.9	5.8	8.8#
236	24.2	20.5	30.7

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#77

Pyrene

Concen: 30.91 ng

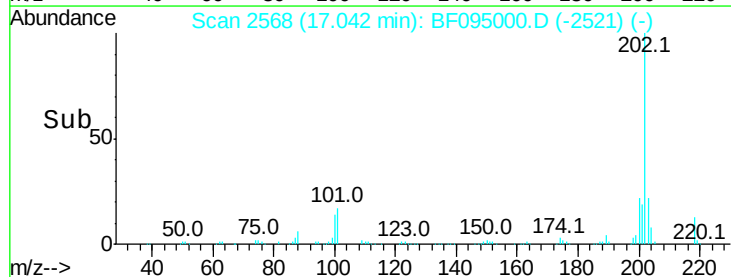
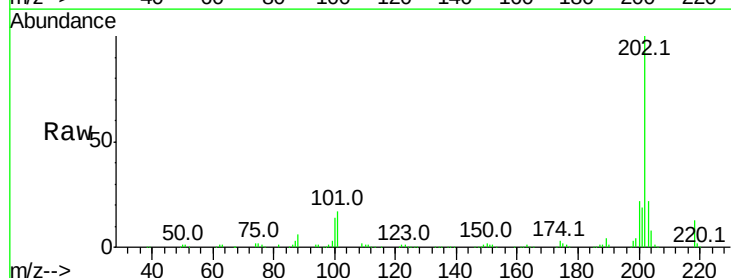
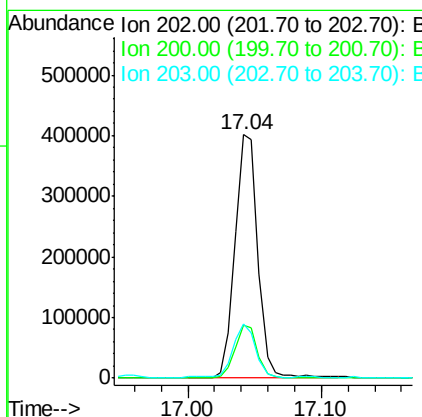
RT: 17.04 min Scan# 2568

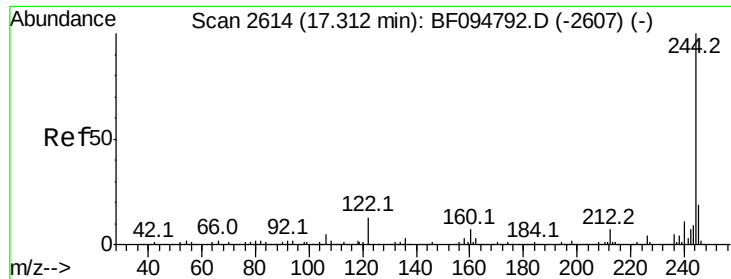
Delta R.T. -0.02 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Tgt Ion:	202	Resp:	478167
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.6	26.4
203	22.1	14.4	21.6#





#78

Terphenyl-d14

Concen: 4.60 ng

RT: 17.28 min Scan# 2609

Delta R.T. -0.03 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Instrument :

BNA_F

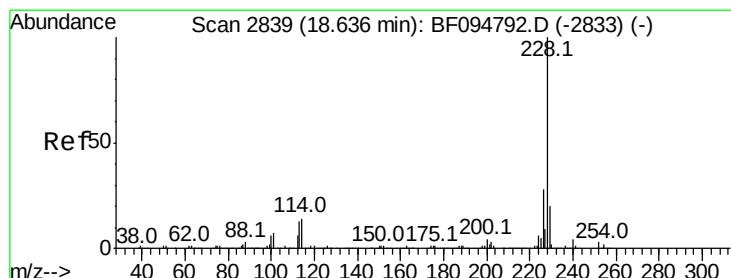
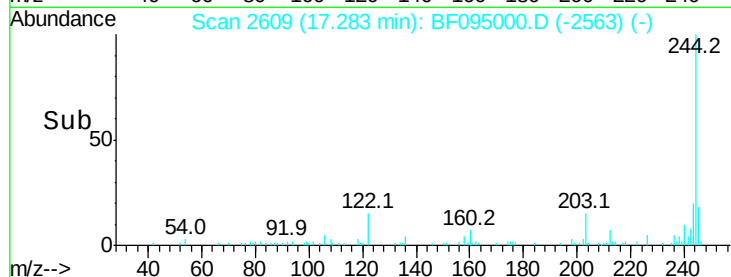
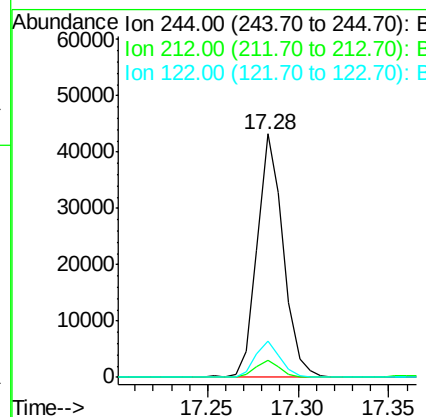
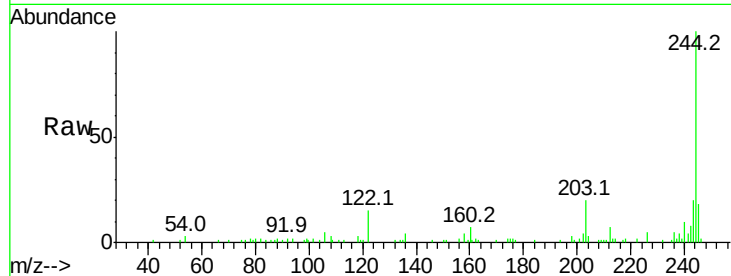
ClientSampled :

SS-01

Tot Ion:	244	Resp:	43165
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	15.1	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 21.07 ng

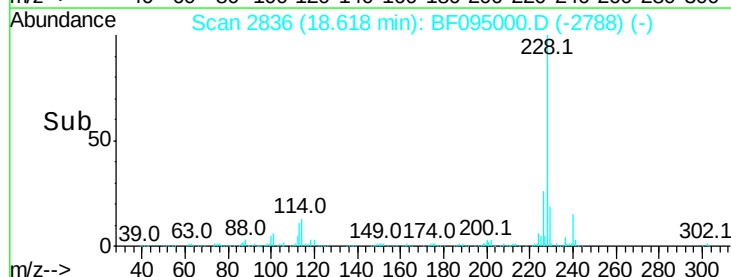
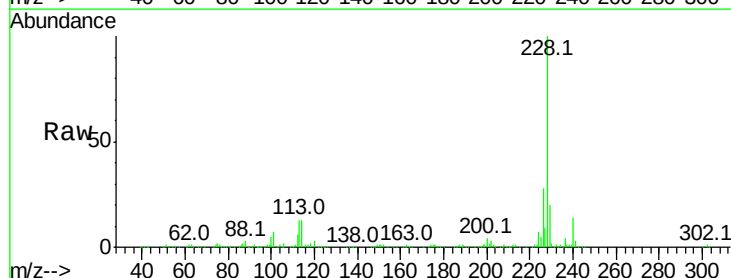
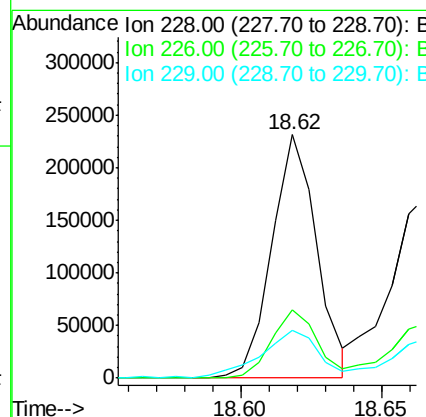
RT: 18.62 min Scan# 2836

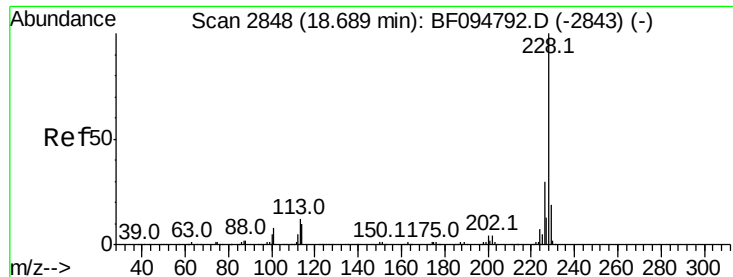
Delta R.T. -0.02 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Tgt Ion:	228	Resp:	253586
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	19.7	16.3	24.5





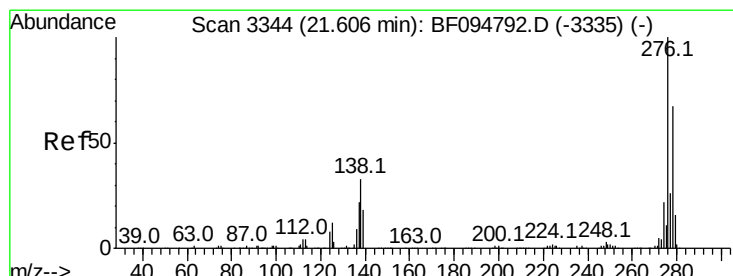
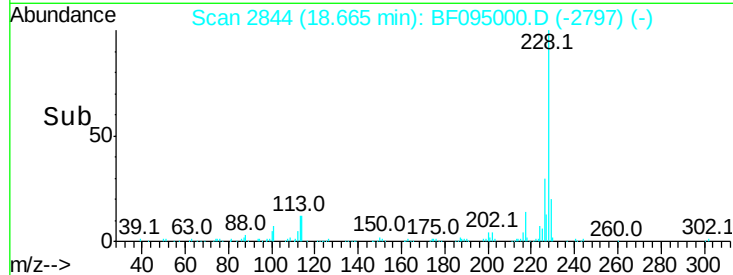
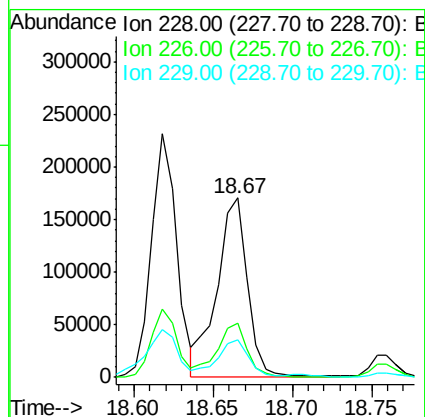
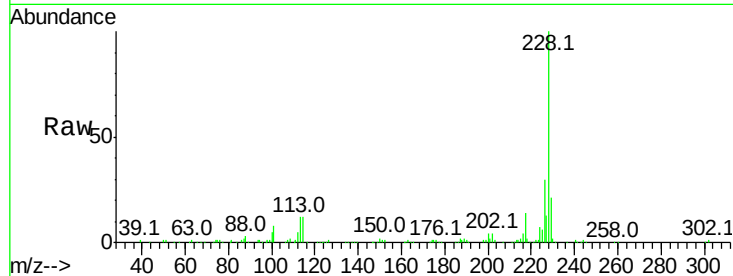
#82
Chrysene
Concen: 19.41 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Instrument :
BNA_F
ClientSampleId :
SS-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.0	15.8	23.6

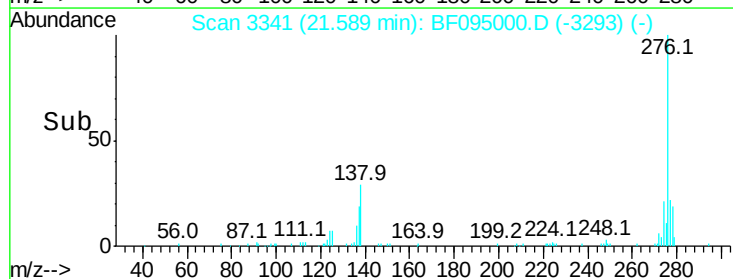
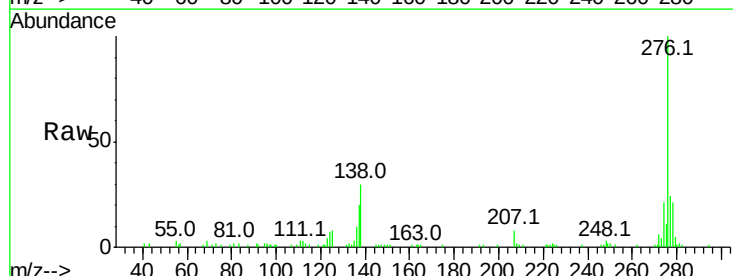
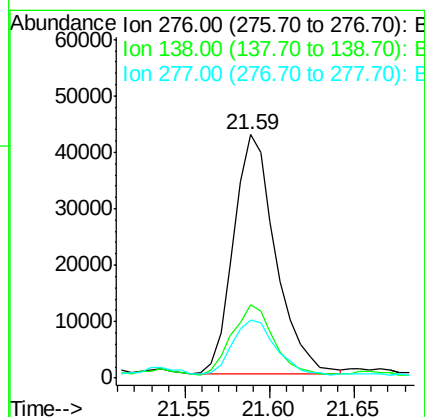
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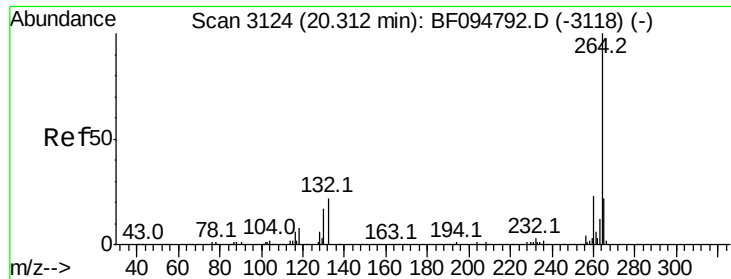
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.69 ng
RT: 21.59 min Scan# 3341
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.6	27.8	41.6
277	24.1	20.2	30.4





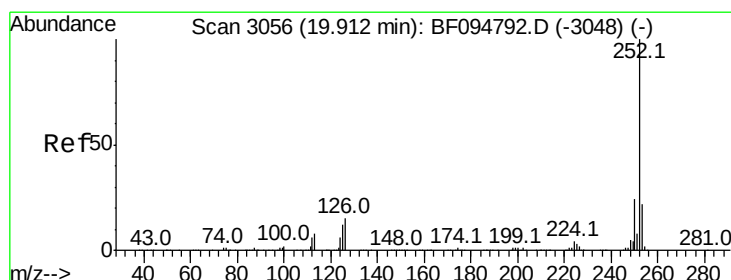
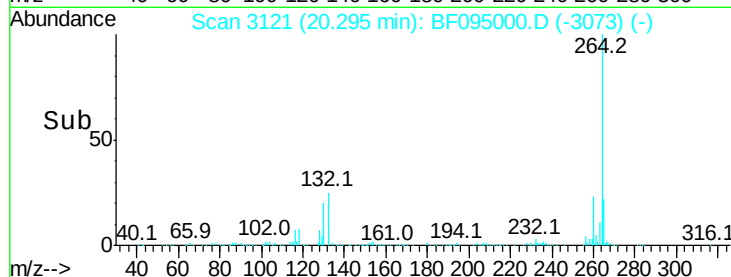
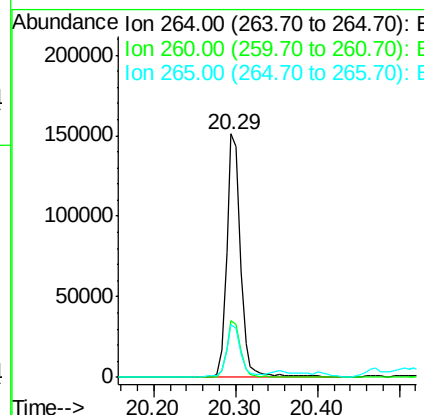
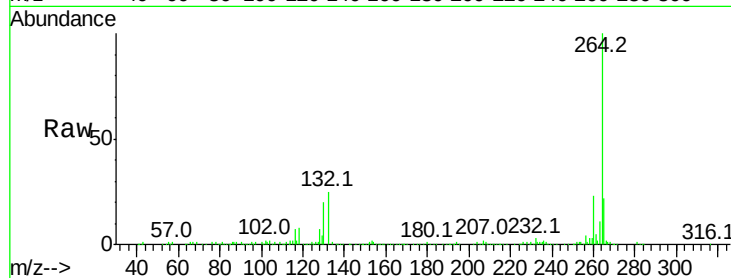
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Instrument :
BNA_F
ClientSampleId :
SS-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.8	17.2	25.8

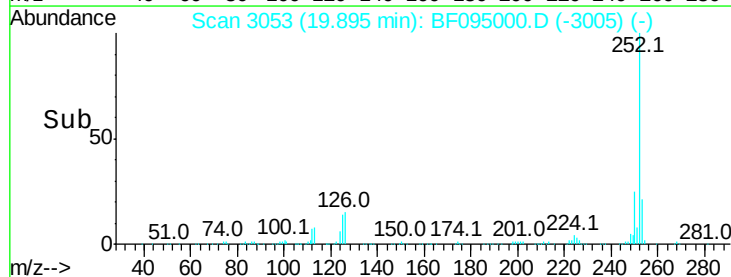
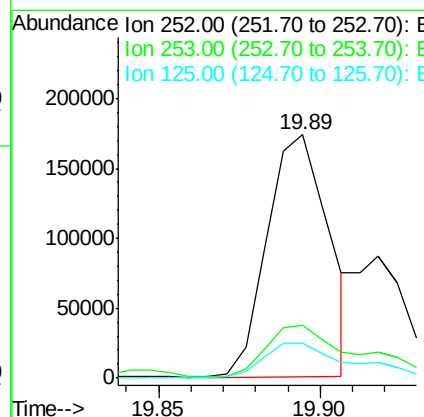
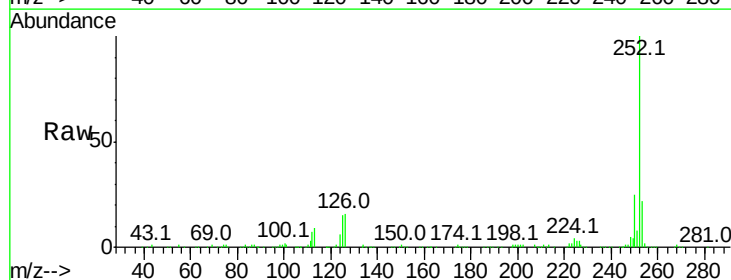
Manual Integrations
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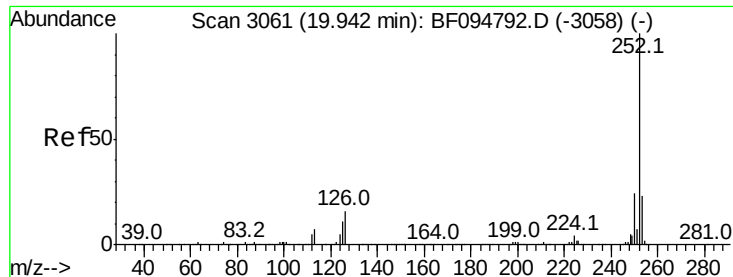
mohammad
5/9/2017 5:02:50 PM



#87
Benzo(b)fluoranthene
Concen: 20.56 ng m
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.5	9.8	14.8





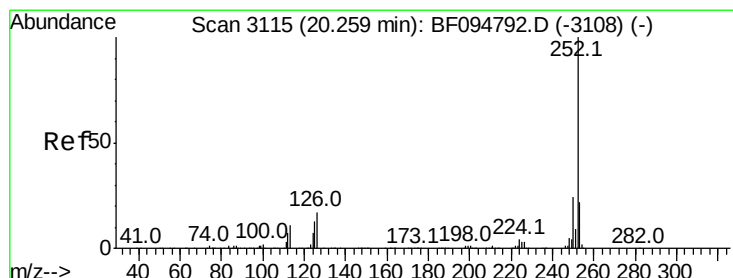
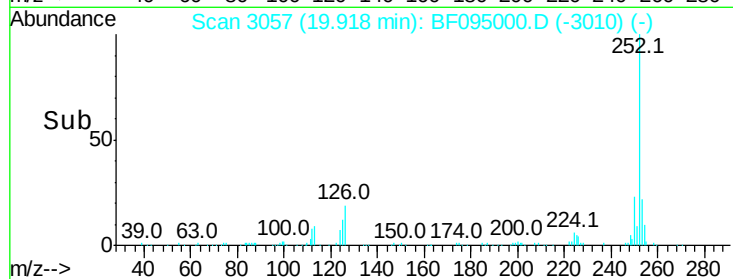
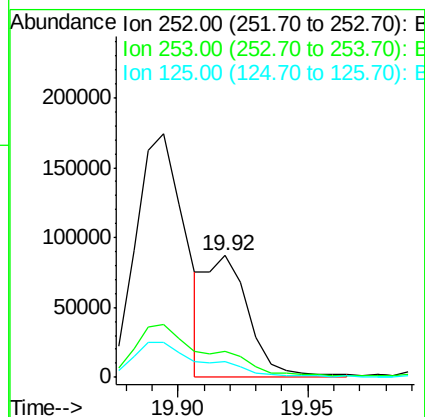
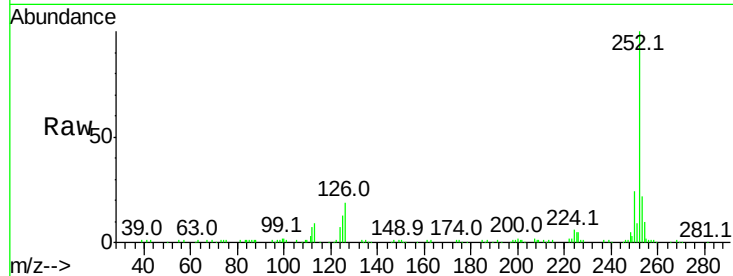
#88
Benzo(k)fluoranthene
Concen: 9.28 ng m
RT: 19.92 min Scan# 3057
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Instrument :
BNA_F
ClientSampled :
SS-01

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.8	18.4	27.6	
125	12.8	13.1	19.7	

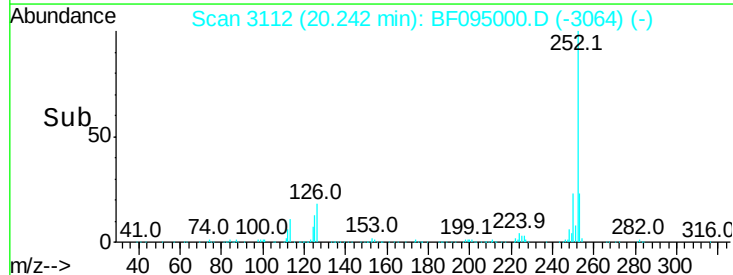
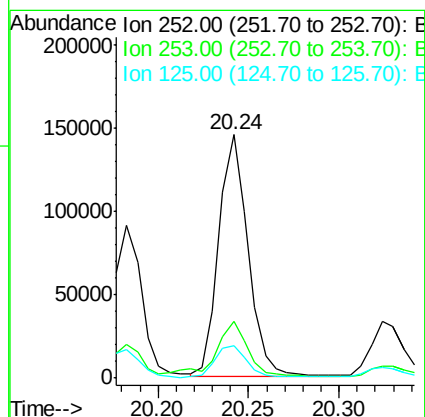
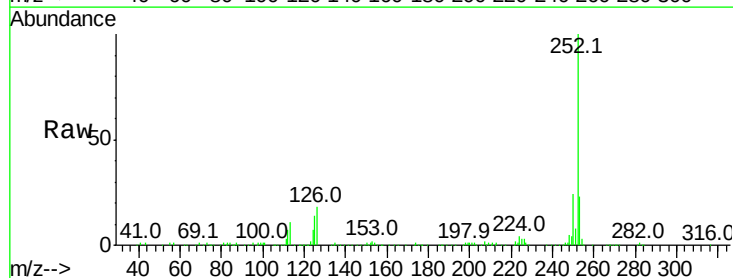
Manual Integrations
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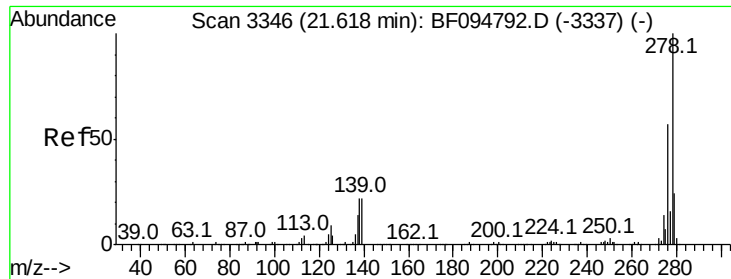
mohammad
5/9/2017 5:02:50 PM



#89
Benzo(a)pyrene
Concen: 16.26 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095000.D
Acq: 9 May 2017 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.2	17.5	26.3	
125	13.5	11.0	16.4	





#90

Dibenzo(a,h)anthracene

Concen: 2.37 ng/mL

RT: 21.59 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Instrument :

BNA_F

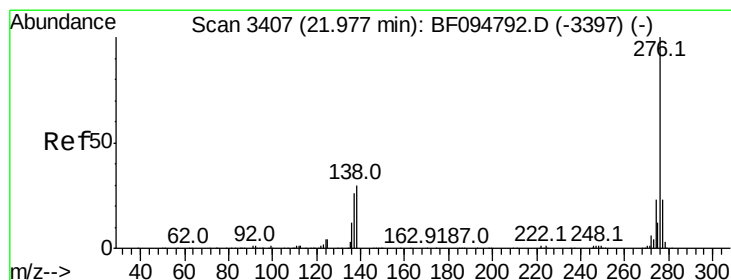
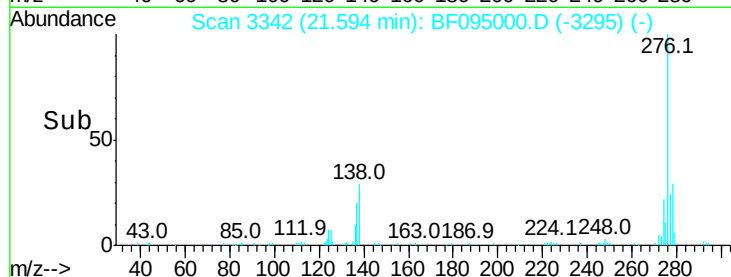
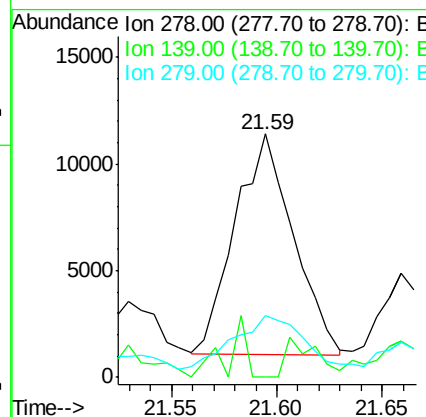
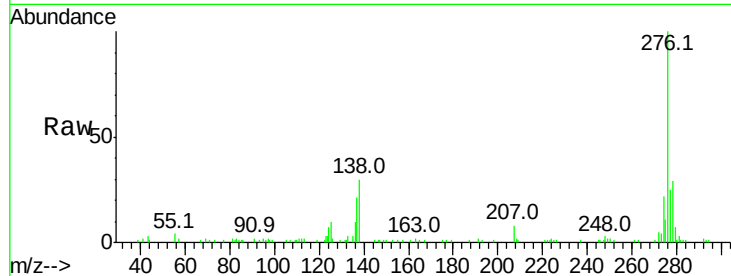
ClientSampleID :

SS-01

Tot Ion:	278	Resp:	20020
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	25.4	19.3	28.9

Manual Integrations
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5/9/2017 5:02:50 PM



#91

Benzo(g,h,i)perylene

Concen: 7.73 ng/mL

RT: 21.97 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF095000.D

Acq: 9 May 2017 1:58

Tgt Ion:	276	Resp:	64038
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	29.4	25.4	38.0

