

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094993.D
 Acq On : 8 May 2017 22:13
 Operator : SJ/MA
 Sample : I2859-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UT-3

Manual Integrations
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 5/9/2017 5:02:37 PM

Quant Time: May 09 04:30:42 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	7.72	152	86778	20.00	ng	-0.01
21) Naphthalene-d8	9.75	136	289823	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	154983	20.00	ng	0.01
63) Phenanthrene-d10	14.98	188	238440	20.00	ng	0.00
75) Chrysene-d12	18.64	240	205835	20.00	ng	-0.02
86) Perylene-d12	20.30	264	182427	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	708666	136.15	ng	-0.02
7) Phenol-d6	7.25	99	876881	140.41	ng	-0.02
23) Nitrobenzene-d5	8.62	82	515297	112.12	ng	-0.02
41) 2,4,6-Tribromophenol	13.89	330	165350	130.27	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	843529	78.34	ng	0.00
78) Terphenyl-d14	17.30	244	811064	86.79	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.27	94	17349	2.64	ng	# 70
31) Naphthalene	9.78	128	175686	12.06	ng	# 81
37) 2-Methylnaphthalene	10.92	142	536899	56.16	ng	95
45) 1,1'-Biphenyl	11.68	154	100186	7.68	ng	94
49) Dimethylphthalate	12.21	163	142468	11.20	ng	# 95
54) Dibenzofuran	12.93	168	133175	9.76	ng	# 89
57) Fluorene	13.48	166	215684	18.18	ng	# 93
70) Phenanthrene	15.02	178	902869	65.90	ng	98
71) Anthracene	15.11	178	102152m	7.30	ng	
74) Fluoranthene	16.76	202	470664	33.49	ng	99
77) Pyrene	17.06	202	406219	26.39	ng	98
80) Benzo(a)anthracene	18.62	228	81116	6.77	ng	98
82) Chrysene	18.67	228	77841	6.72	ng	98
85) Indeno(1,2,3-cd)pyrene	21.61	276	19798	2.10	ng	99
87) Benzo(b)fluoranthene	19.90	252	62696	5.56	ng	# 96
88) Benzo(k)fluoranthene	19.92	252	21760m	2.00	ng	
89) Benzo(a)pyrene	20.25	252	44037	4.23	ng	97

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

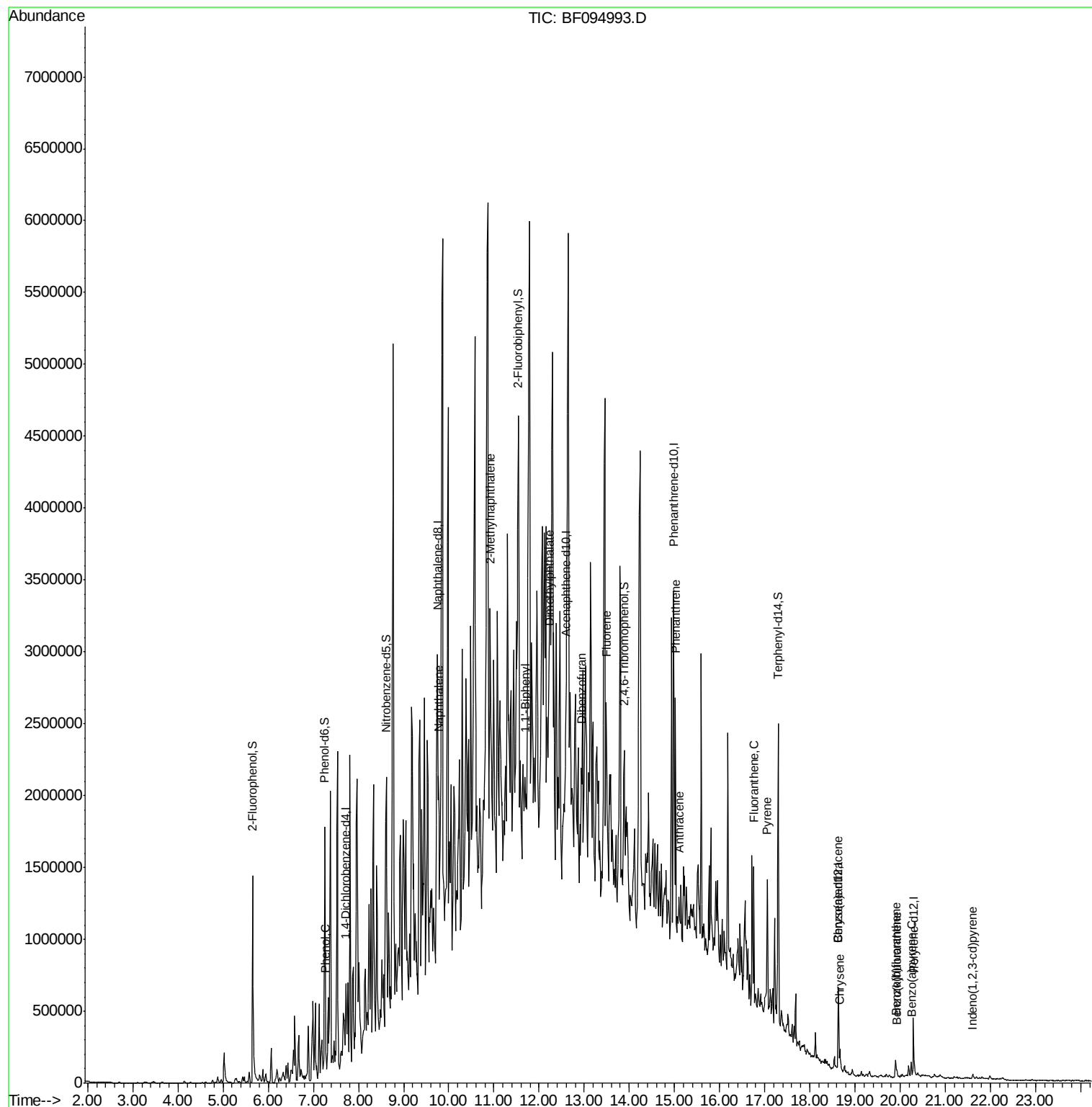
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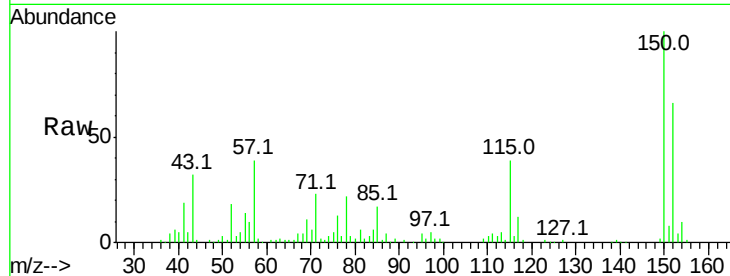
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.72 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.2	189.2
115	59.7	52.2	78.2

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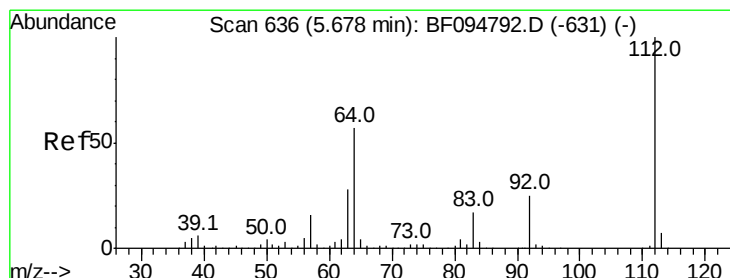
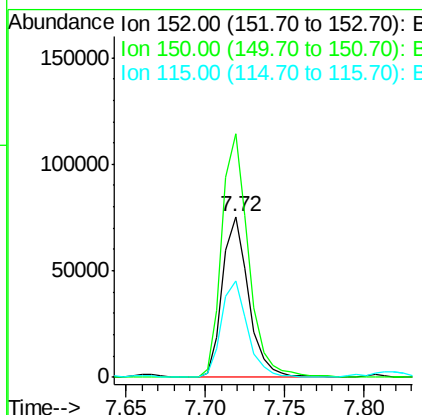
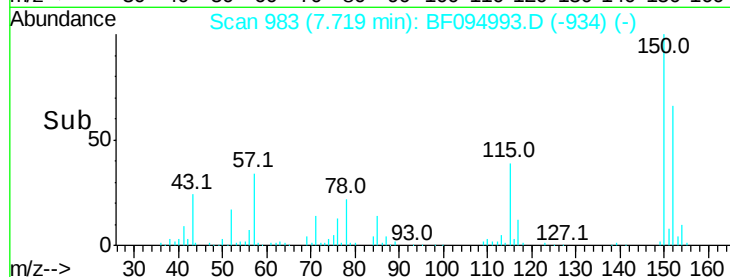


Abundance

Ion 152.00 (151.70 to 152.70): E

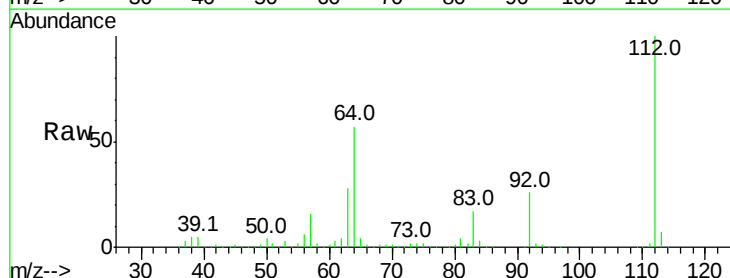
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 136.15 ng
 RT: 5.65 min Scan# 632
 Delta R.T. -0.02 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.0	69.0
63	28.0	23.4	35.0

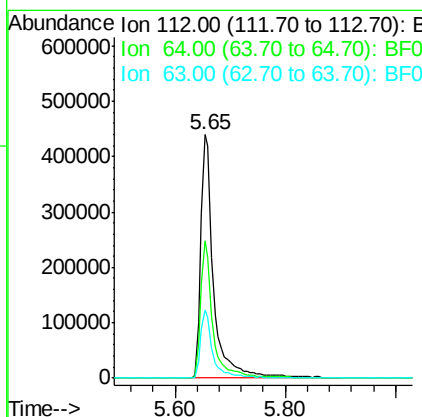
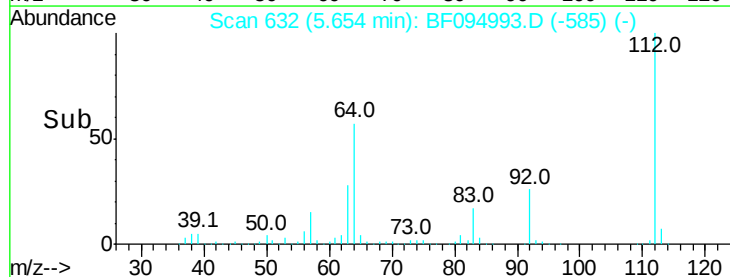


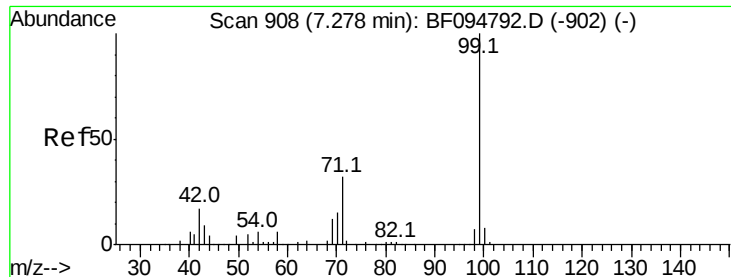
Abundance

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: 140.41 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

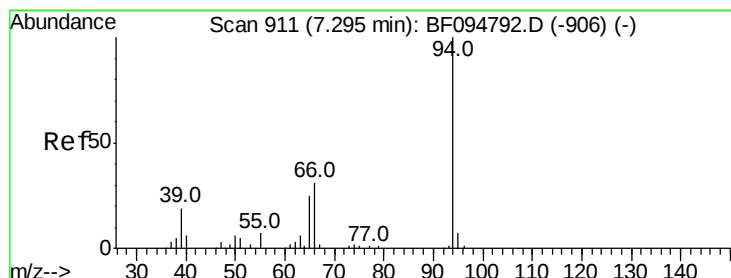
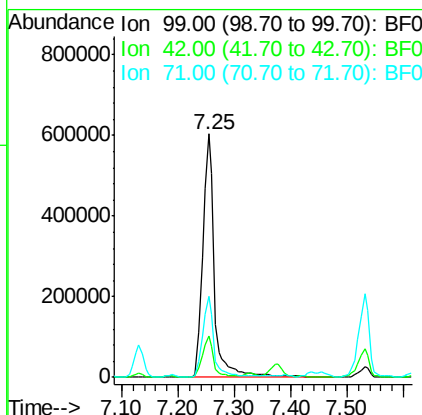
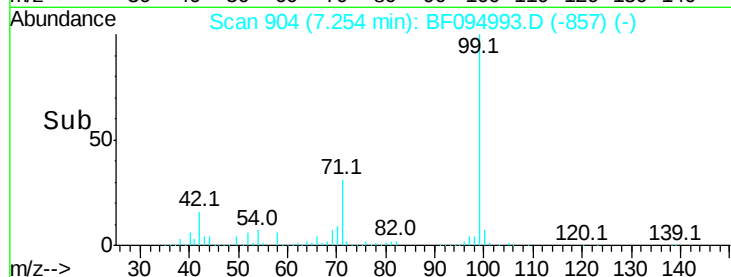
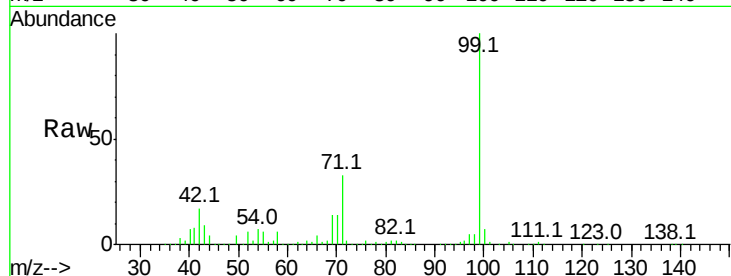
ClientSampleId :

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Tot Ion:	99	Resp:	876881
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.5	20.3
71	33.1	24.5	36.7

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#10

Phenol

Concen: 2.64 ng

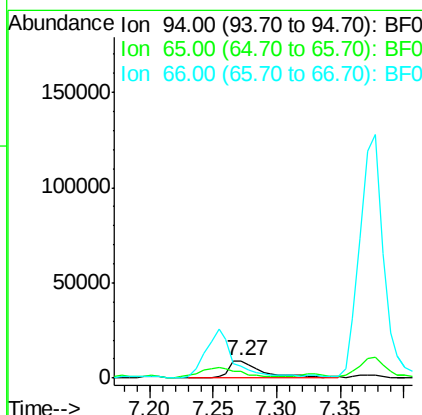
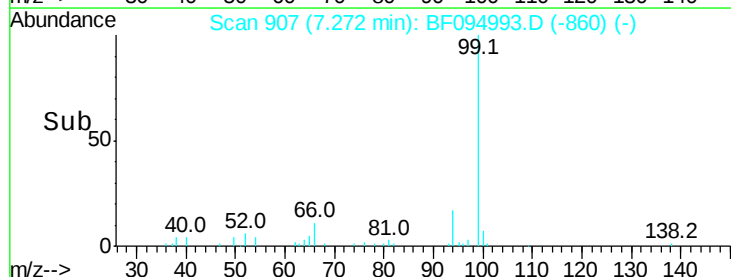
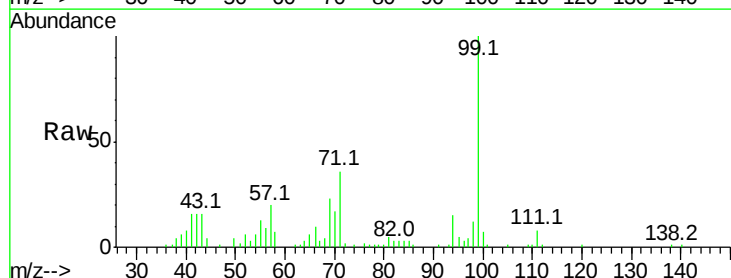
RT: 7.27 min Scan# 907

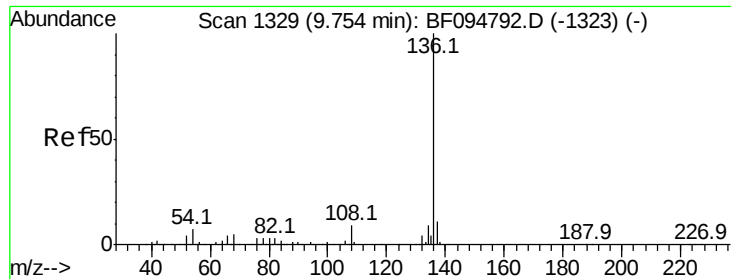
Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion:	94	Resp:	17349
Ion Ratio	Lower	Upper	
94	100		
65	38.2	9.9	49.9
66	68.6	23.1	63.1#





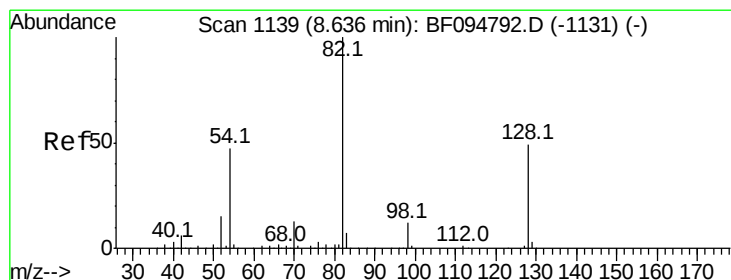
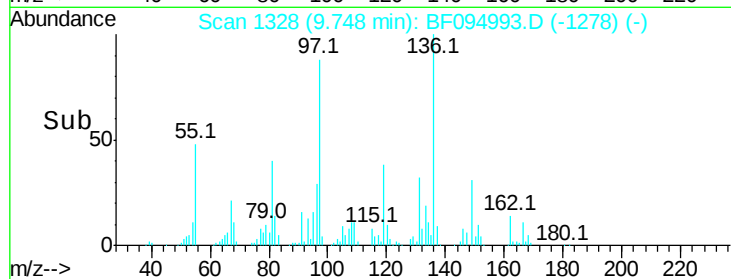
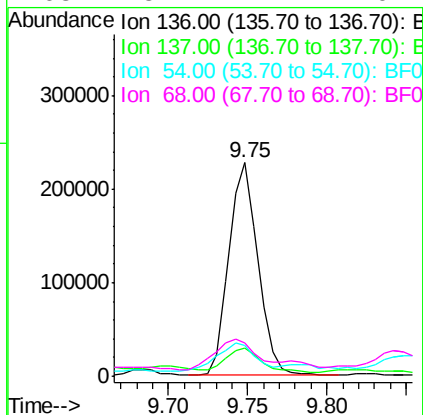
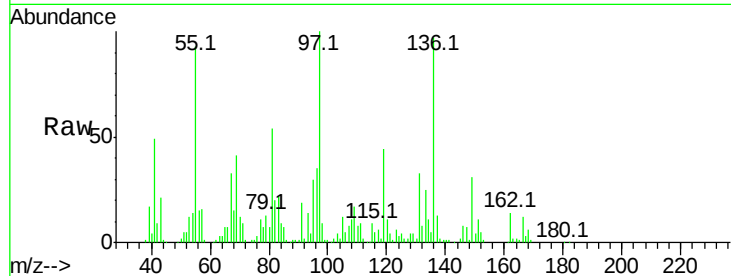
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :
UT-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100	289823		
137	13.2	8.5	12.7#	
54	14.4	4.9	7.3#	
68	15.4	4.1	6.1#	

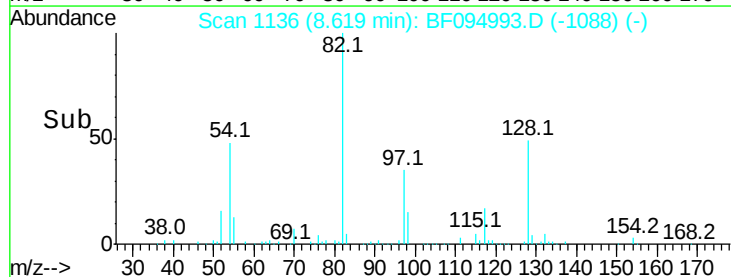
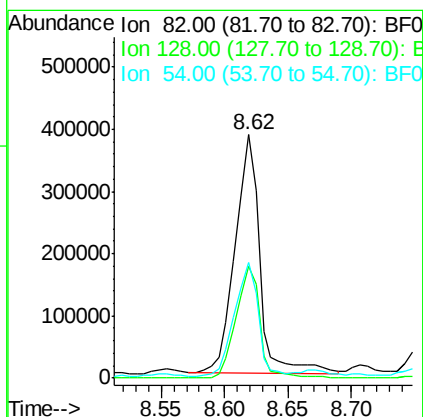
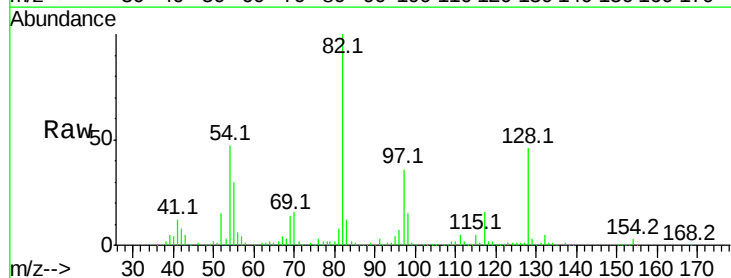
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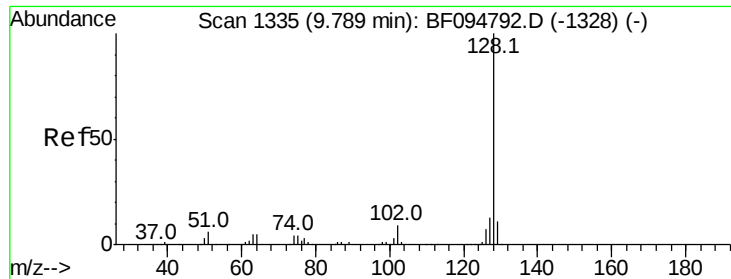
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#23
Nitrobenzene-d5
Concen: 112.12 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	515297		
128	46.1	34.0	51.0	
54	47.4	42.2	63.2	





#31

Naphthalene

Concen: 12.06 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

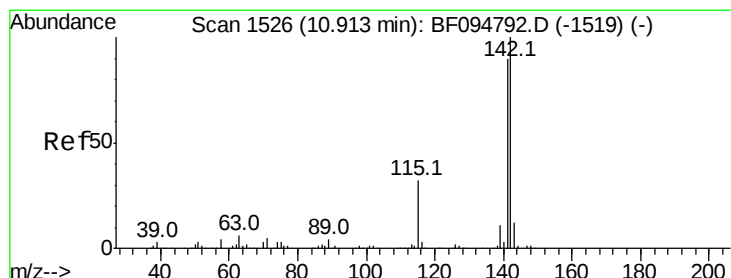
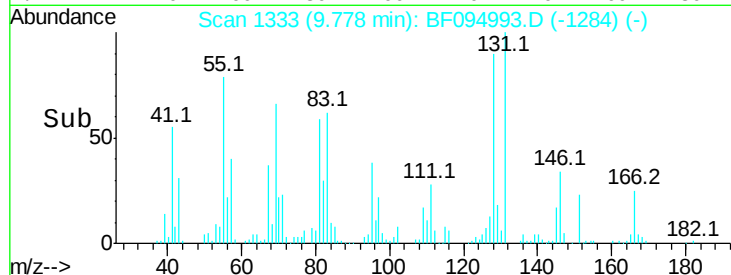
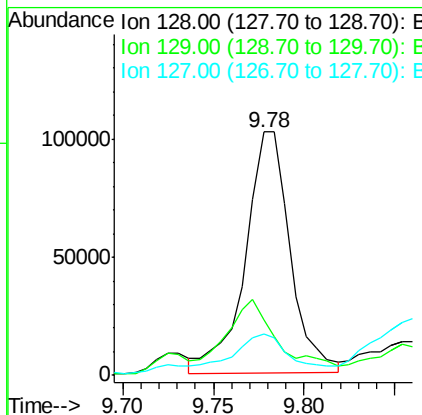
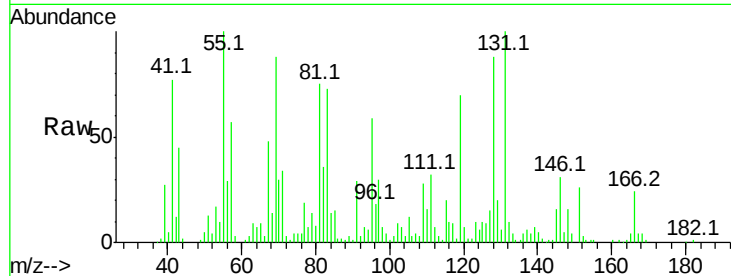
ClientSampleId :

UT-3

Tot Ion:	128	Resp:	175686
Ion Ratio	Lower	Upper	
128	100		
129	22.8	9.0	13.6#
127	17.0	10.8	16.2#

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#37

2-Methylnaphthalene

Concen: 56.16 ng

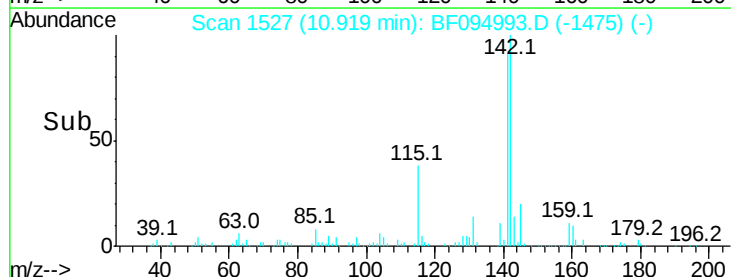
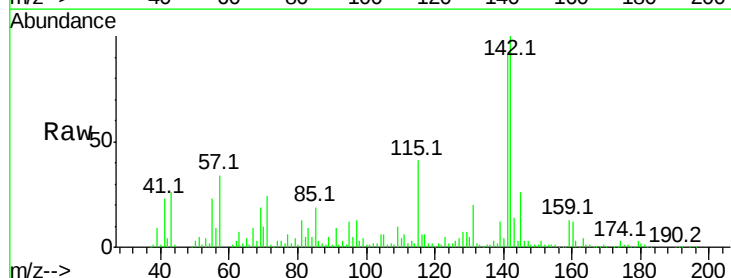
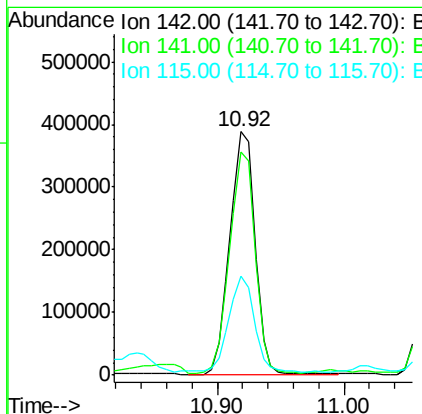
RT: 10.92 min Scan# 1527

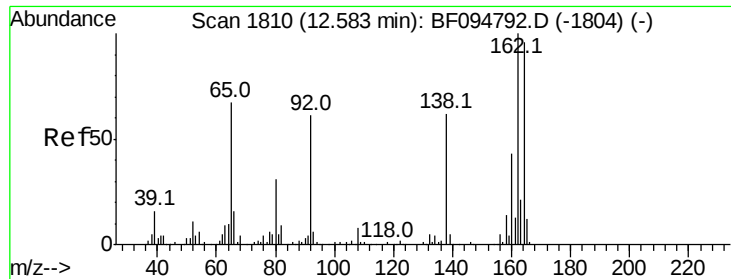
Delta R.T. 0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion:	142	Resp:	536899
Ion Ratio	Lower	Upper	
142	100		
141	91.7	71.3	106.9
115	40.6	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

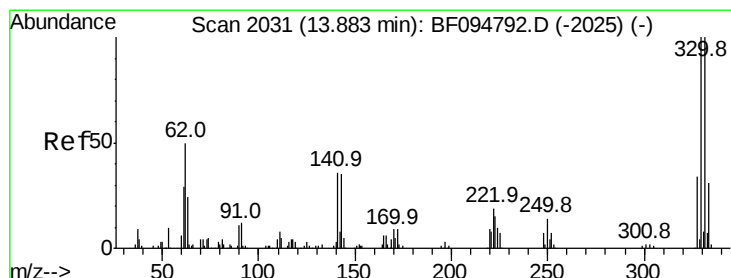
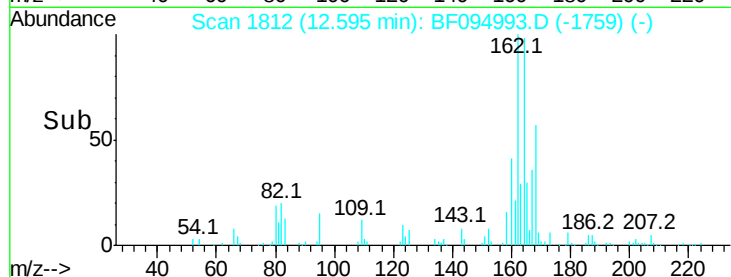
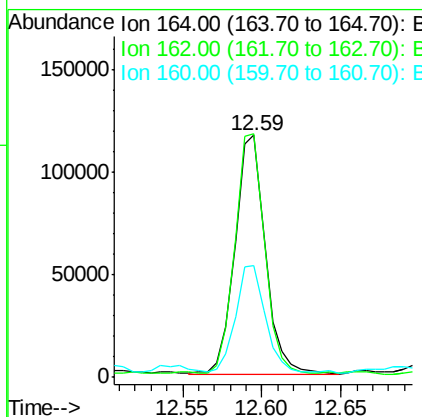
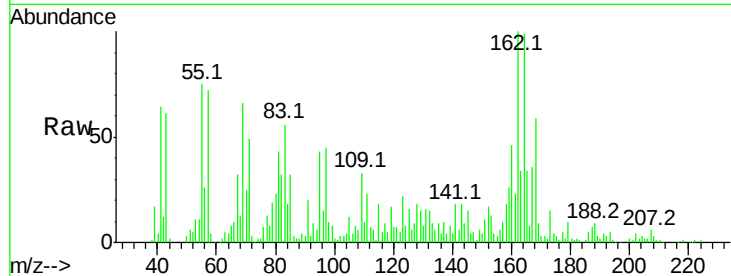
ClientSampleId :

UT-3

Tot Ion:	164	Resp:	154983
Ion Ratio	Lower	Upper	
164	100		
162	100.7	82.6	123.8
160	46.4	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 130.27 ng

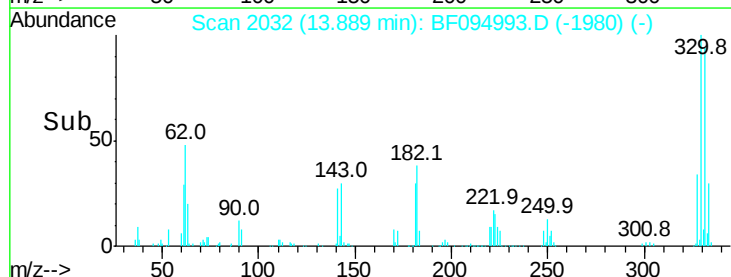
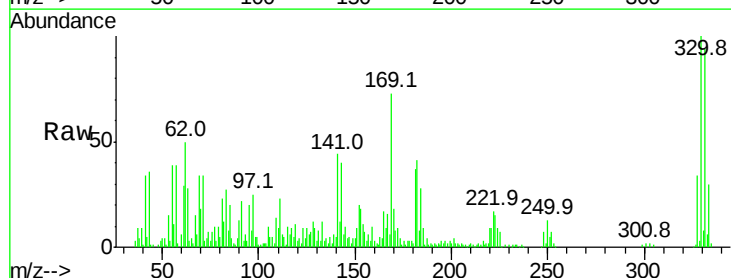
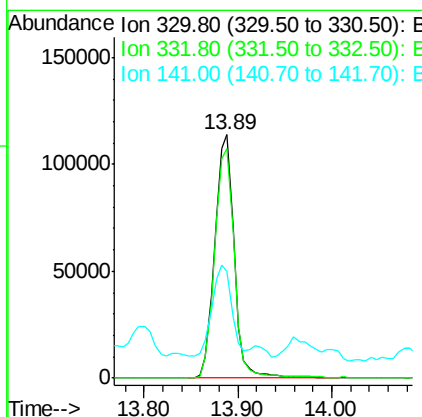
RT: 13.89 min Scan# 2032

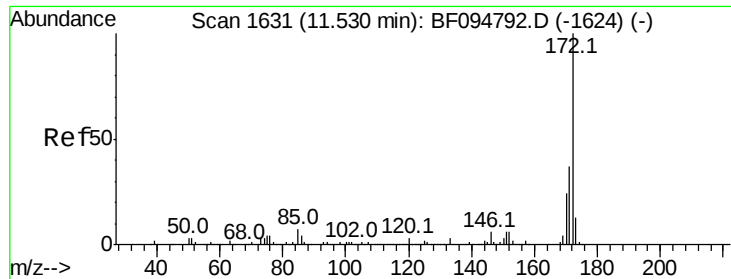
Delta R.T. 0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion:	330	Resp:	165350
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.6	115.0
141	37.8	31.4	47.2





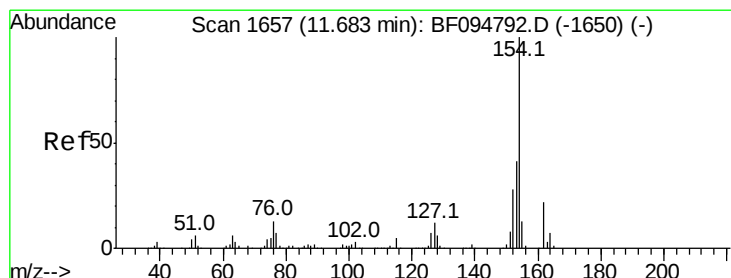
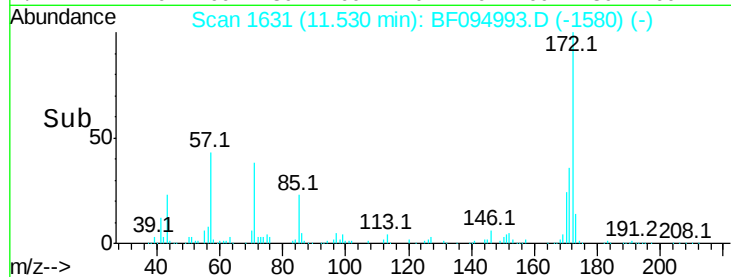
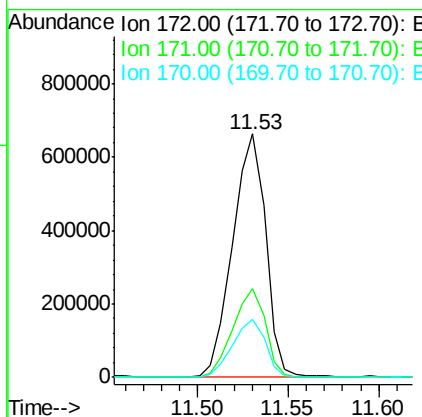
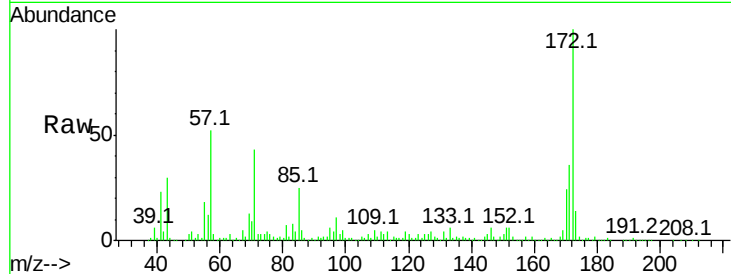
#44
2-Fluorobiphenyl
Concen: 78.34 ng
RT: 11.53 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8

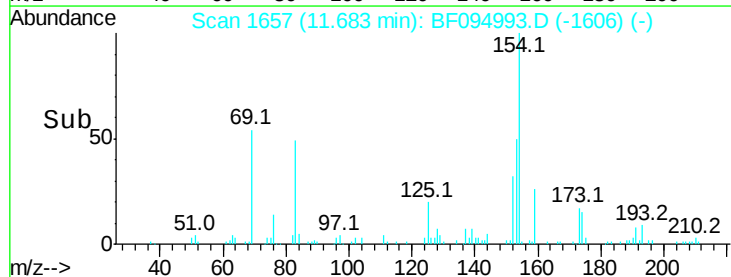
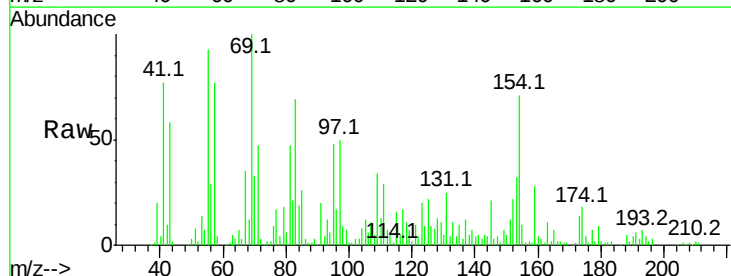
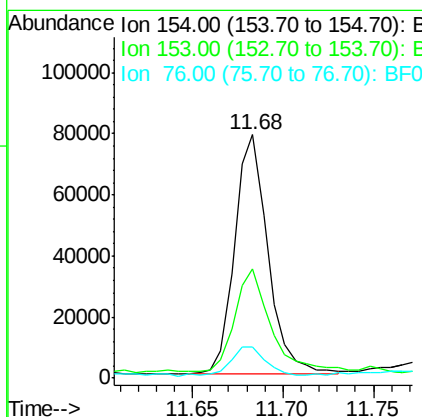
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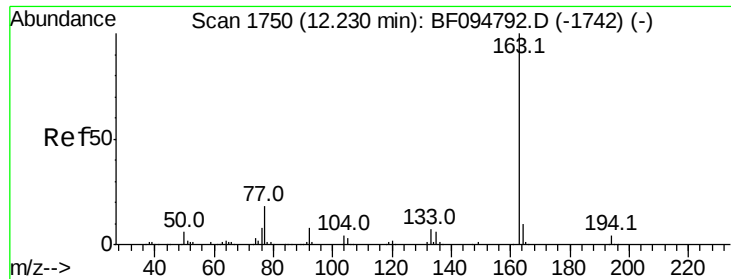
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#45
1,1'-Biphenyl
Concen: 7.68 ng
RT: 11.68 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.7	21.2	61.2
76	12.5	0.0	29.9





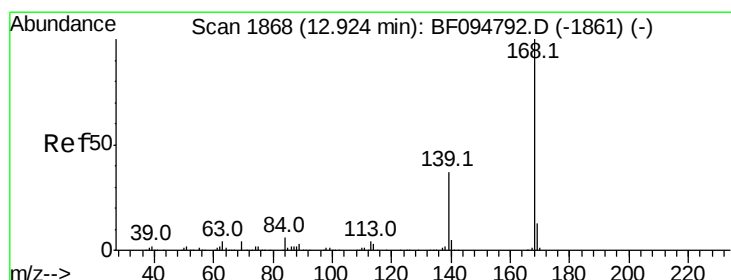
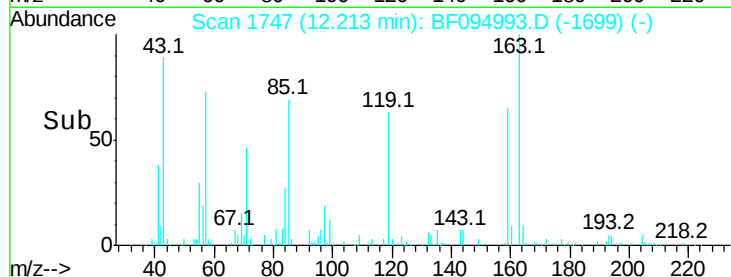
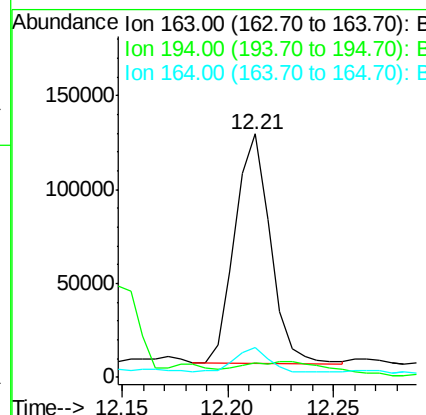
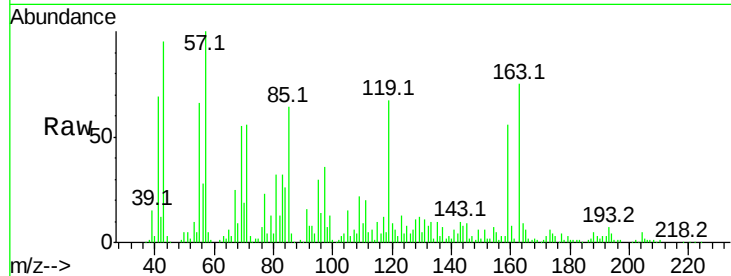
#49
Dimethylphthalate
Concen: 11.20 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :
UT-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.9	2.6	4.0#
164	12.2	8.4	12.6

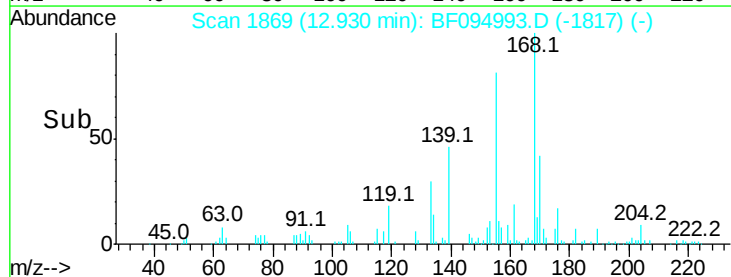
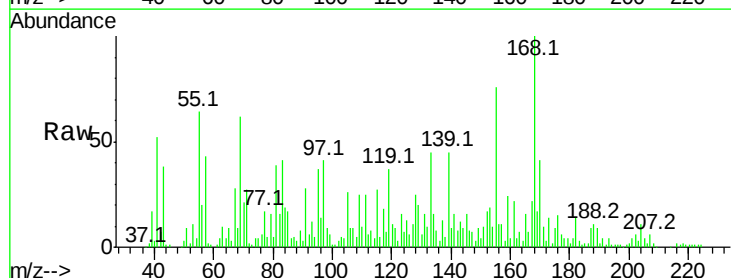
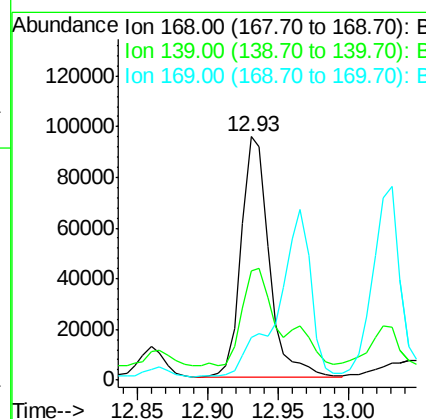
Manual Integrations
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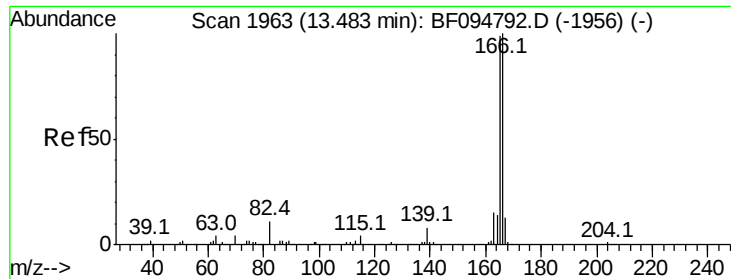
mohammad
5/9/2017 5:02:37 PM



#54
Dibenzofuran
Concen: 9.76 ng
RT: 12.93 min Scan# 1869
Delta R.T. 0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
168	100		
139	45.1	30.6	45.8
169	17.4	10.8	16.2#





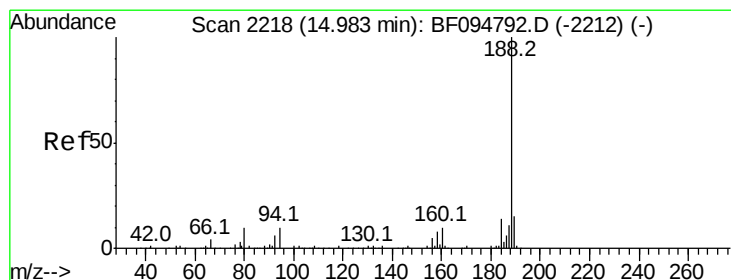
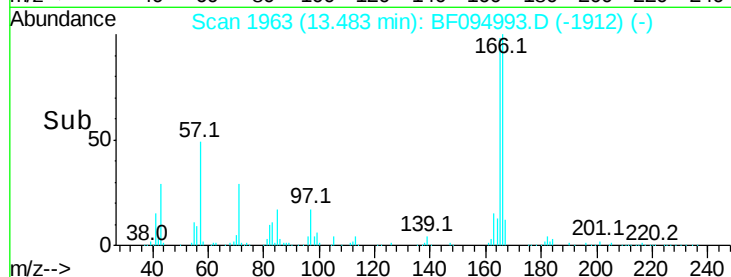
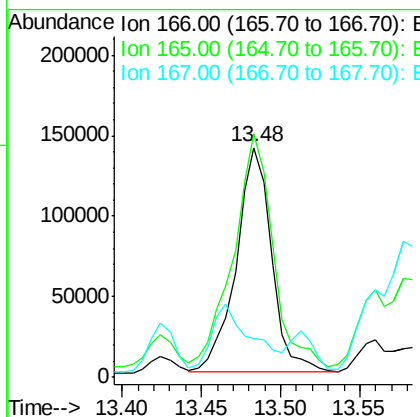
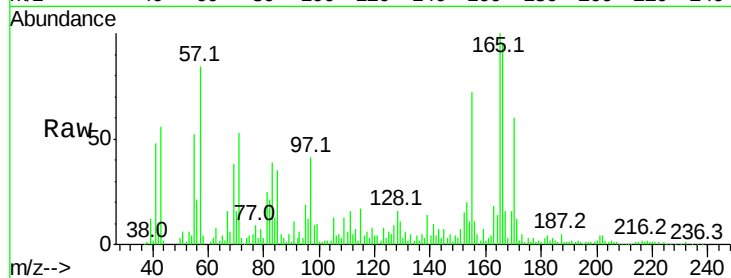
#57
Fluorene
 Concen: 18.18 ng
 RT: 13.48 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :
 UT-3

Tot Ion	Ratio	Resp	Lower	Upper
166	100	215684		
165	105.8	78.8	118.2	
167	16.7	10.6	16.0#	

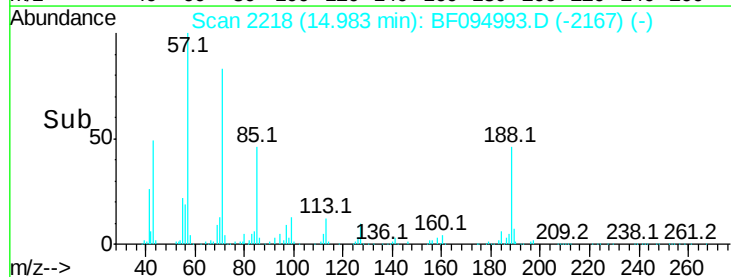
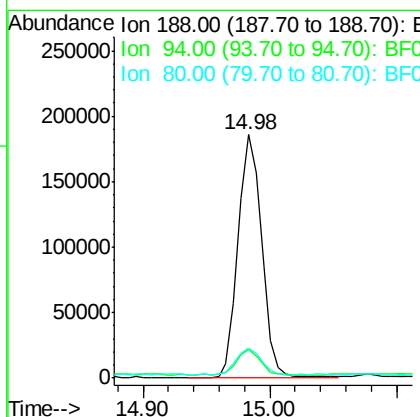
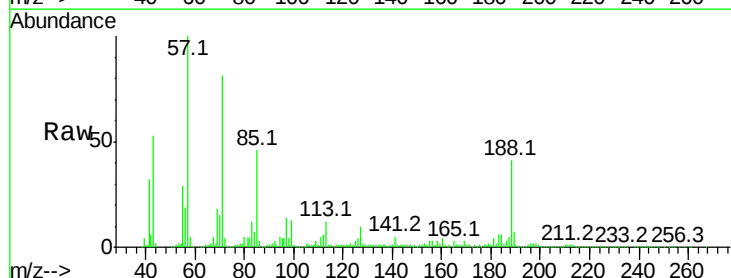
Manual Integrations
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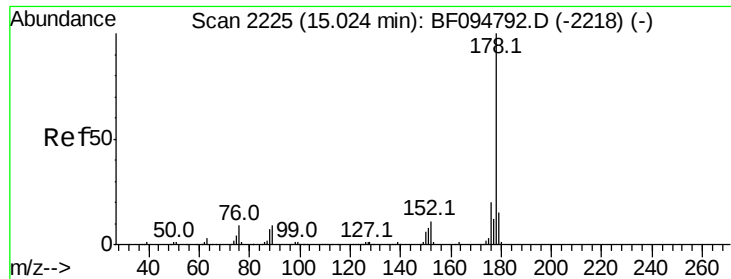
mohammad
 5/9/2017 5:02:37 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.98 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	238440		
94	11.8	9.4	14.2	
80	12.5	10.2	15.2	





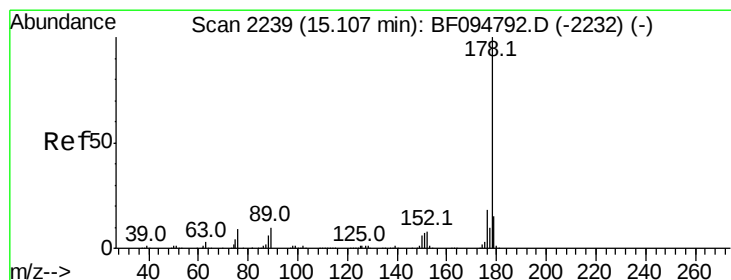
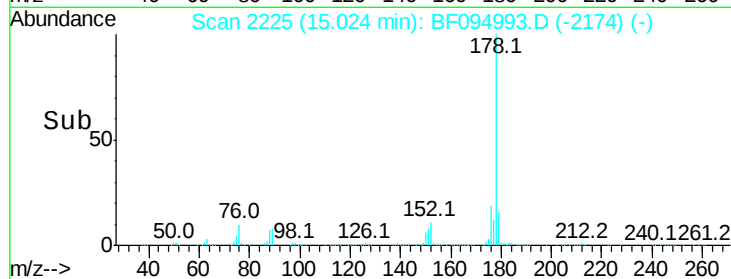
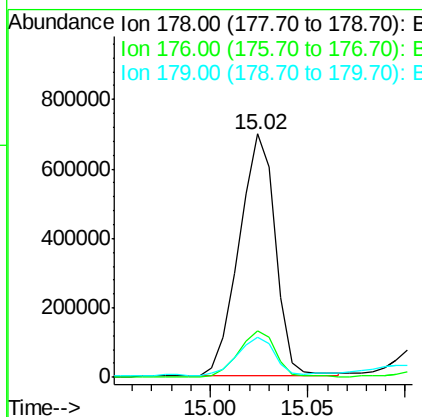
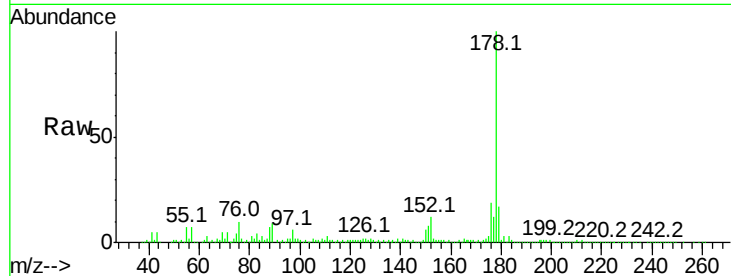
#70
Phenanthrene
Concen: 65.90 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :
UT-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	16.5	12.6	19.0

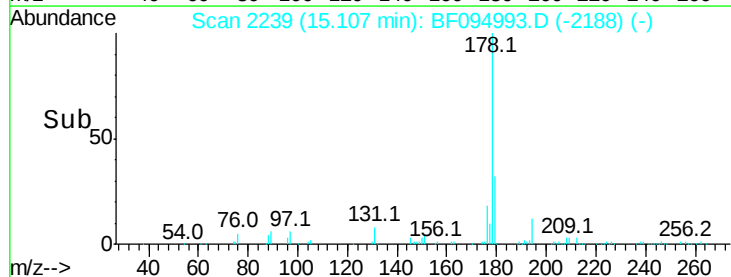
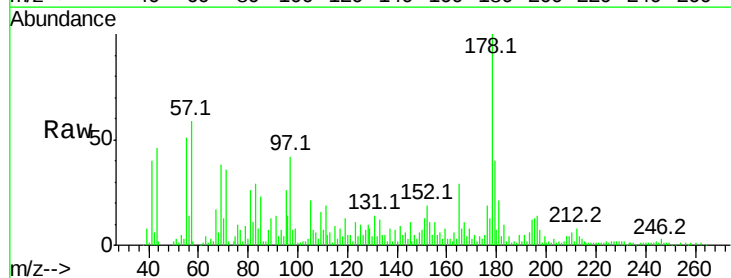
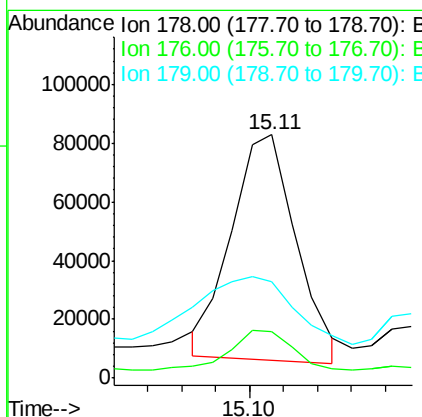
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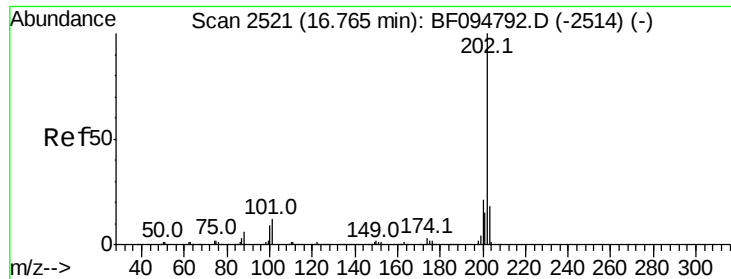
mohammad
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#71
Anthracene
Concen: 7.30 ng m
RT: 15.11 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	39.5	12.7	19.1#





#74

Fluoranthene

Concen: 33.49 ng

RT: 16.76 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

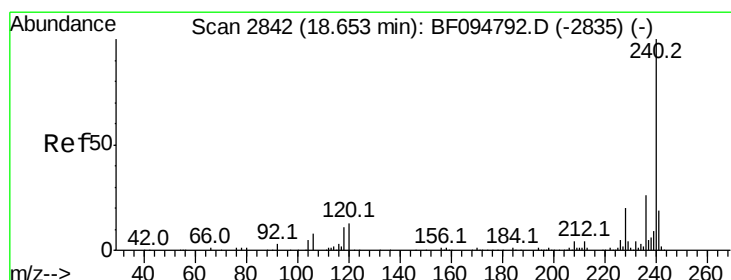
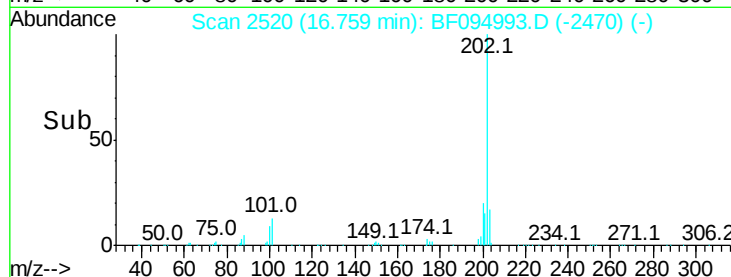
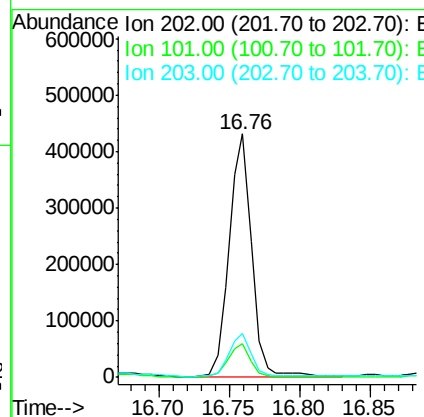
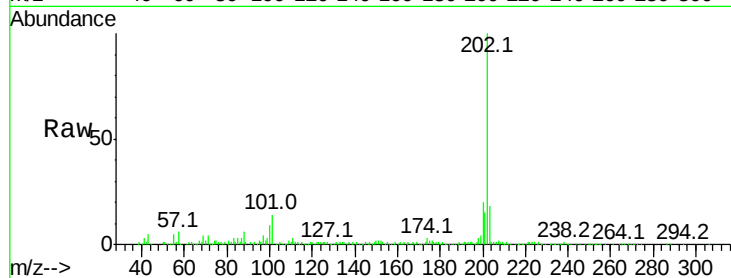
ClientSampled :

UT-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100	470664		
101	13.7	0.0	33.2	
203	17.8	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

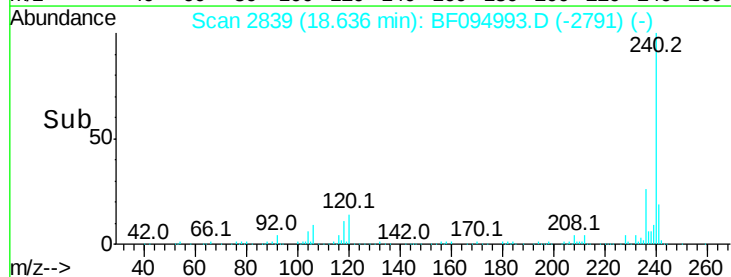
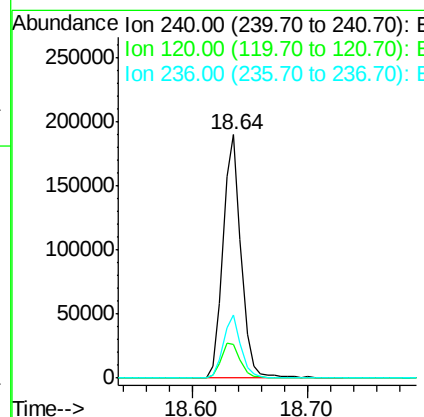
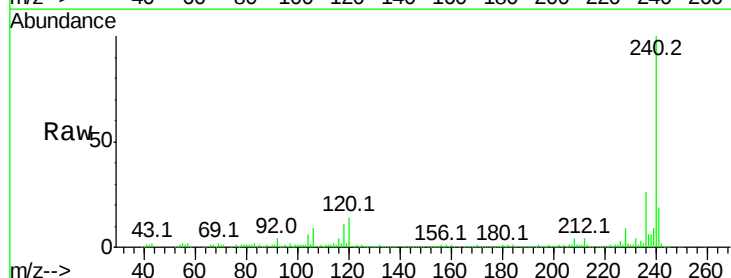
RT: 18.64 min Scan# 2839

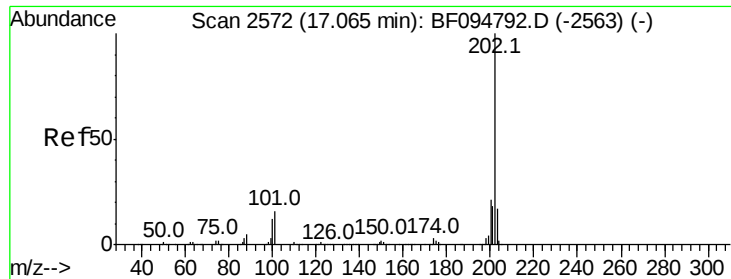
Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	205835		
120	13.8	5.8	8.8#	
236	26.1	20.5	30.7	





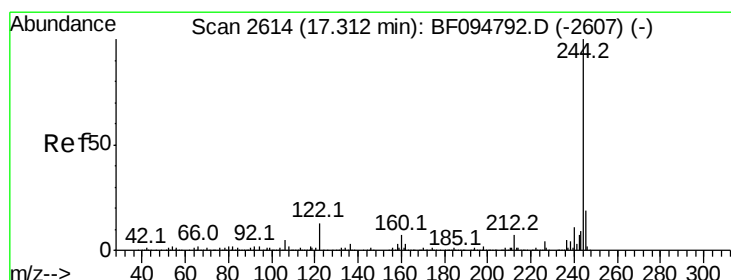
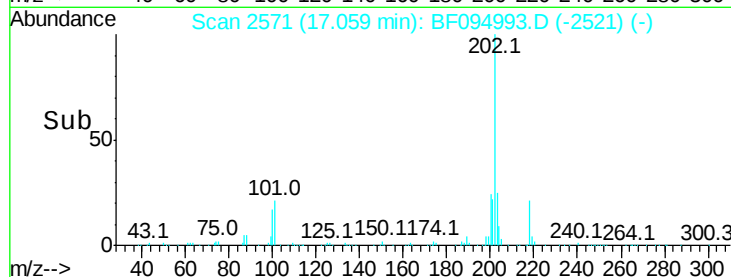
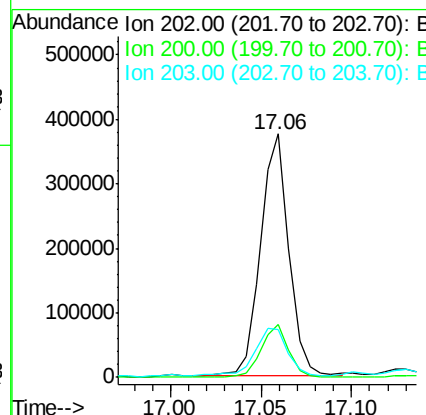
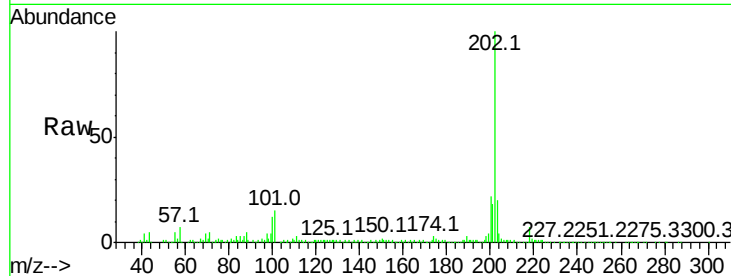
#77
Pvrene
Concen: 26.39 ng
RT: 17.06 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampled :
UT-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.6	26.4
203	19.7	14.4	21.6

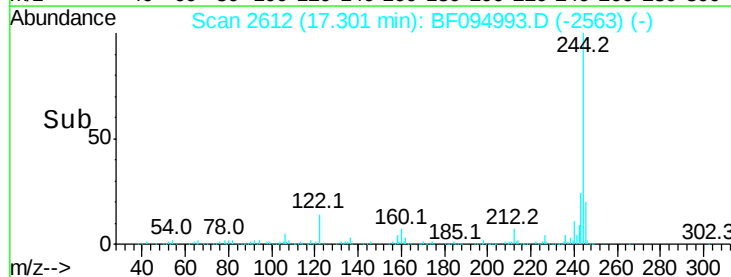
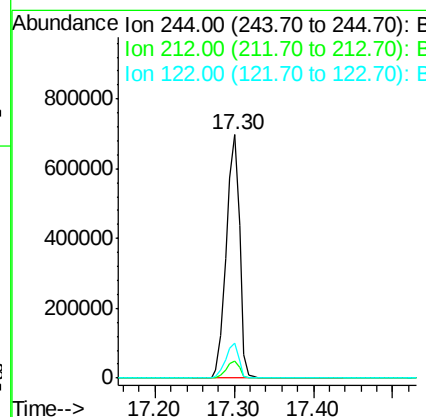
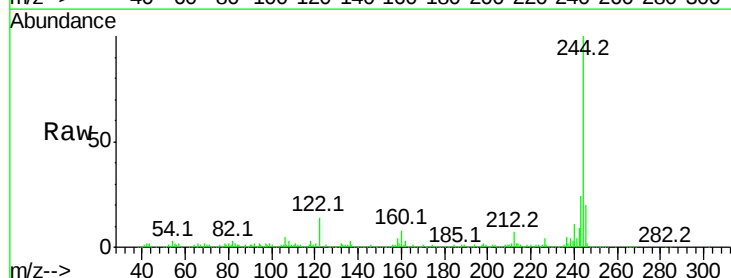
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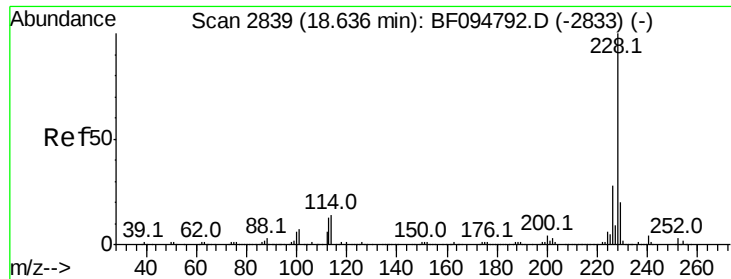
mohammad
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#78
Terphenyl-d14
Concen: 86.79 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.1	10.3	15.5





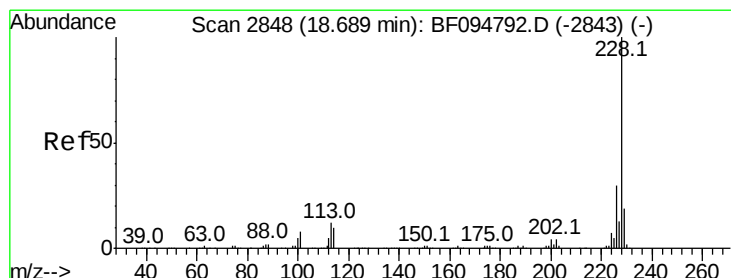
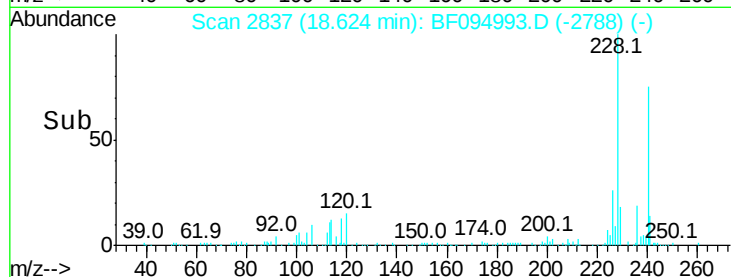
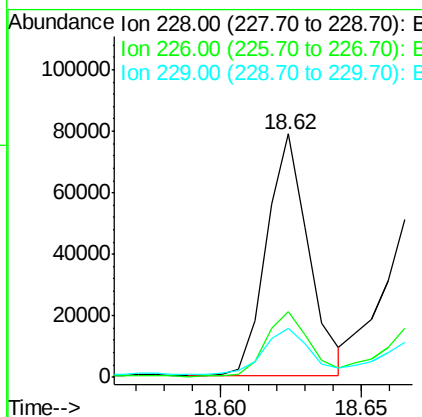
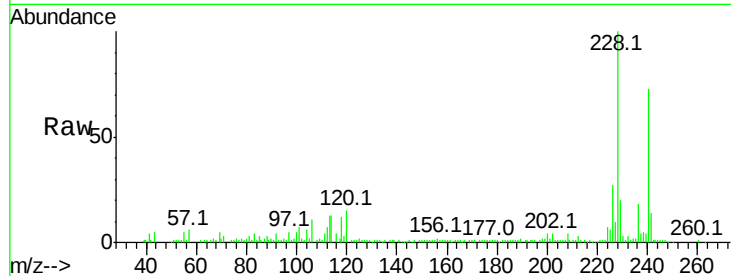
#80
Benzo(a)anthracene
Concen: 6.77 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampled :
UT-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	20.3	16.3	24.5

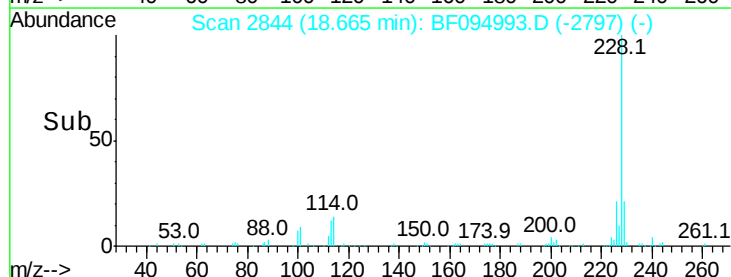
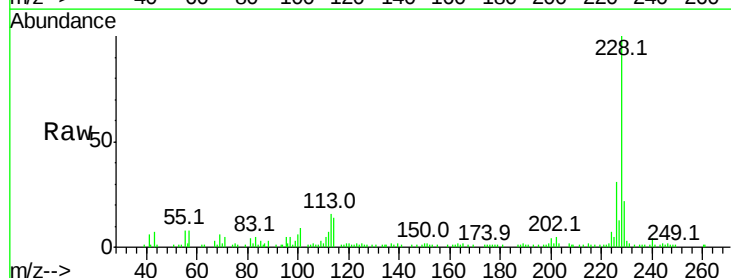
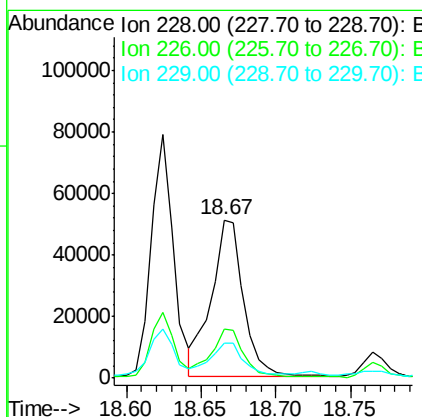
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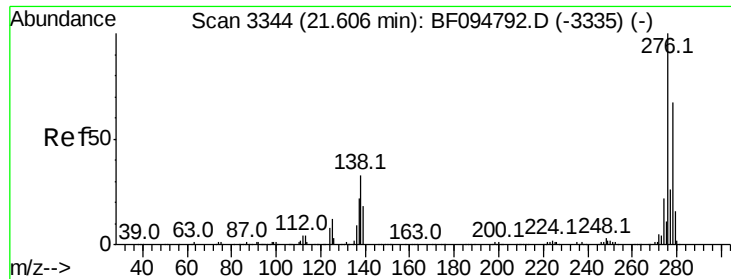
mohammad
5/9/2017 5:02:37 PM



#82
Chrysene
Concen: 6.72 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	22.4	15.8	23.6





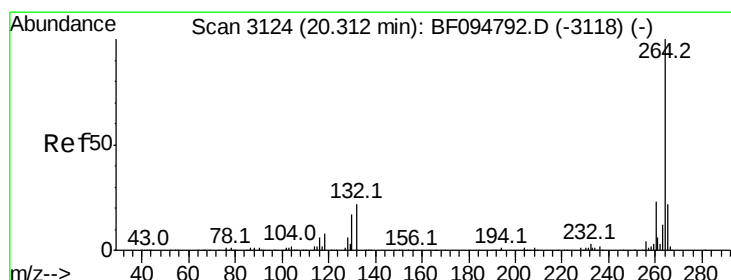
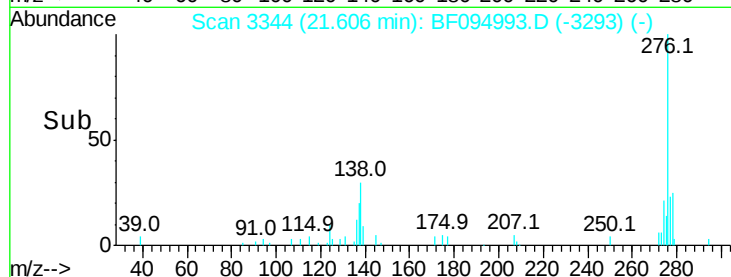
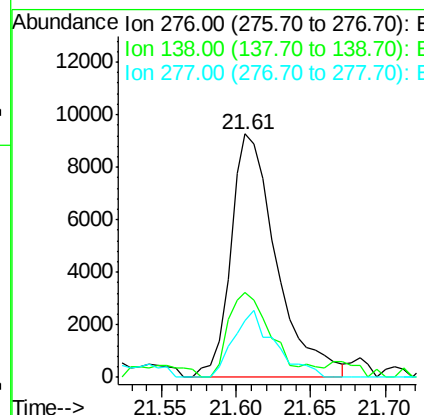
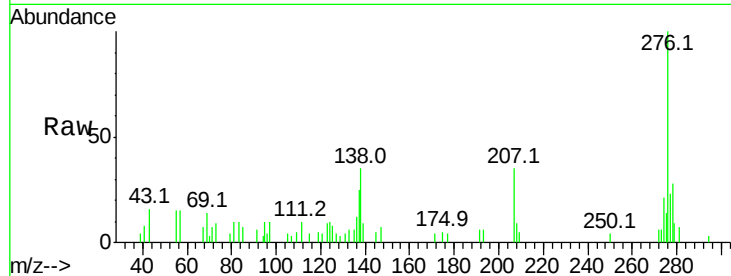
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.10 ng
RT: 21.61 min Scan# 3344
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :
UT-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.0	27.8	41.6
277	24.7	20.2	30.4

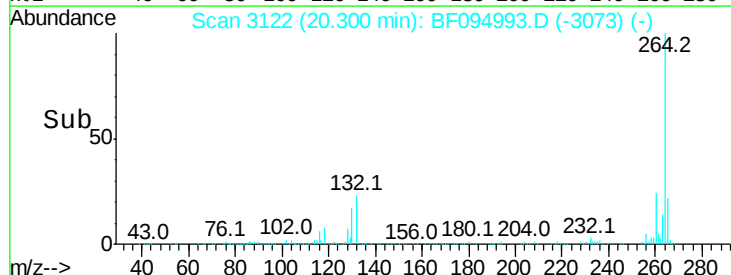
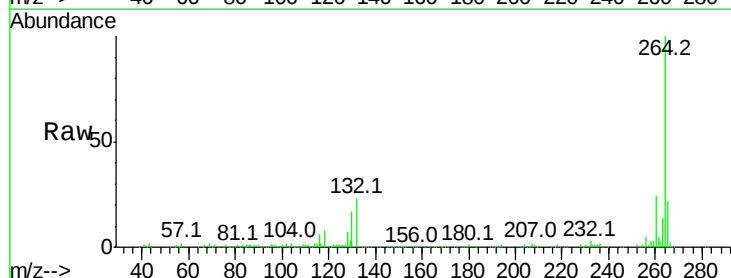
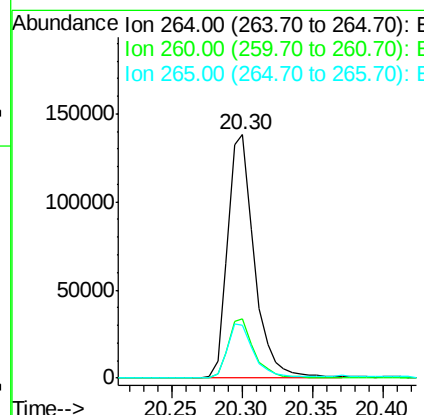
Manual Integrations
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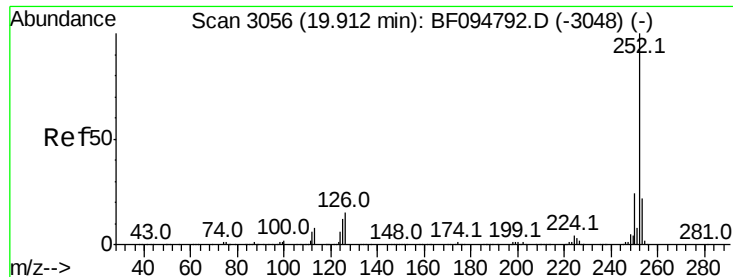
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.56 ng

RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

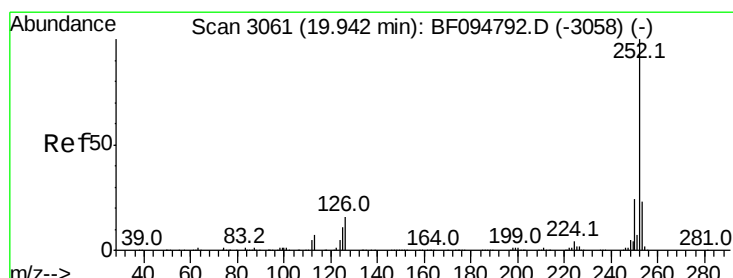
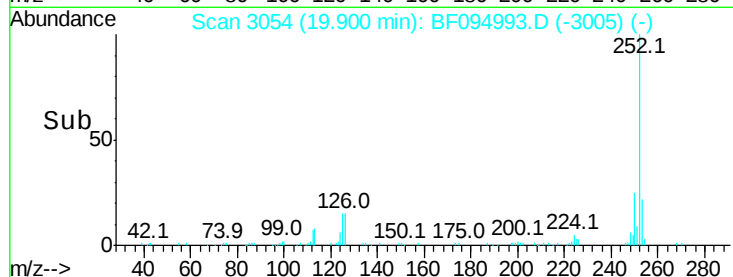
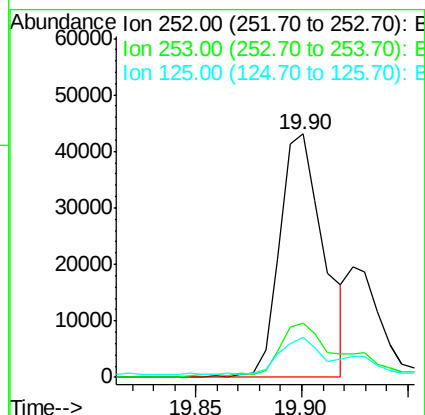
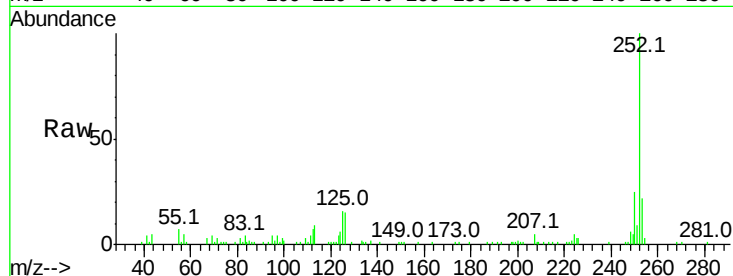
ClientSampled :

UT-3

Tot Ion:	252	Resp:	62696
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	16.4	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.00 ng m

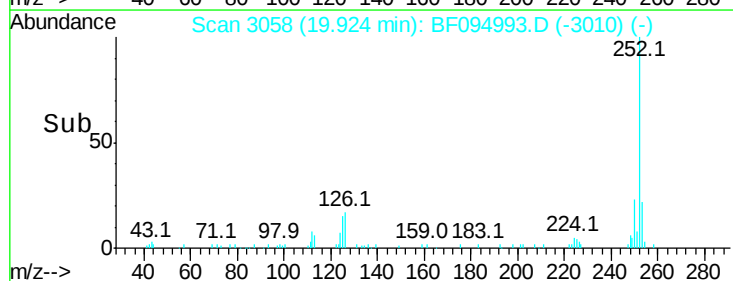
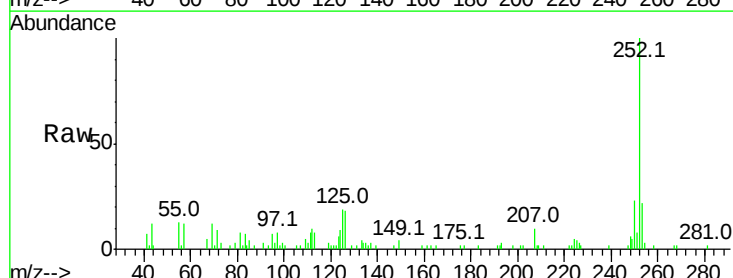
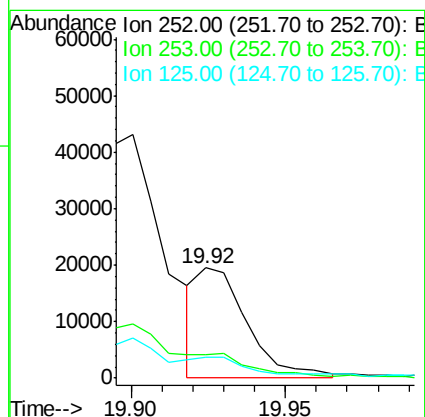
RT: 19.92 min Scan# 3058

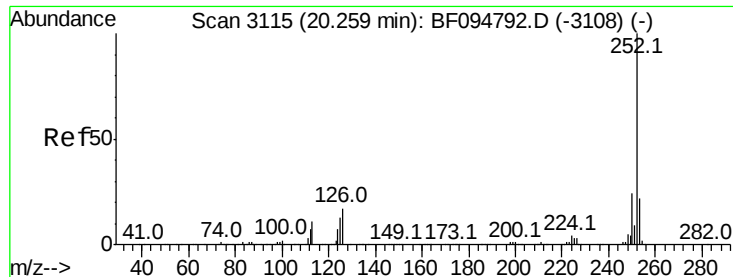
Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion:	252	Resp:	21760
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.4	27.6
125	19.2	13.1	19.7





#89
 Benzo(a)pyrene
 Concen: 4.23 ng
 RT: 20.25 min Scan# 3113
 Delta R.T. -0.01 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :
 UT-3

Tot Ion:	252	Resp:	44037
Ion Ratio		Lower	Upper
252	100		
253	21.1	17.5	26.3
125	15.5	11.0	16.4

Manual Integrations
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 5/9/2017 5:02:37 PM

