

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094865.D
 Acq On : 4 May 2017 8:51
 Operator : SJ/MA
 Sample : I2921-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Manual Integrations
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Quant Time: May 04 10:50:37 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	98121	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	395973	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	149376	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	233304	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	209659	20.00	ng	-0.02
86) Perylene-d12	20.30	264	153374	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	680645	115.65	ng	0.00
7) Phenol-d6	7.27	99	838879	118.80	ng	0.00
23) Nitrobenzene-d5	8.62	82	479042	76.29	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	136146	111.29	ng	-0.02
44) 2-Fluorobiphenyl	11.52	172	851478	82.05	ng	-0.01
78) Terphenyl-d14	17.29	244	488189	51.29	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.21	163	85102	6.94	ng	98
51) Acenaphthene	12.62	154	40905	4.31	ng	96
54) Dibenzofuran	12.91	168	41642	3.17	ng	93
57) Fluorene	13.47	166	39255	3.43	ng	98
70) Phenanthrene	15.01	178	428364	31.96	ng	98
71) Anthracene	15.09	178	104970	7.67	ng	96
72) Carbazole	15.38	167	36496	2.93	ng	97
74) Fluoranthene	16.75	202	364024	26.47	ng	98
77) Pyrene	17.05	202	324164	20.67	ng	95
80) Benzo(a)anthracene	18.62	228	134519	11.02	ng	99
82) Chrysene	18.67	228	128266	10.87	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	41579	4.34	ng	98
87) Benzo(b)fluoranthene	19.90	252	113628m	11.99	ng	
88) Benzo(k)fluoranthene	19.92	252	47855m	5.23	ng	
89) Benzo(a)pyrene	20.25	252	87249	9.98	ng	98
91) Benzo(g,h,i)perylene	21.97	276	39954	5.64	ng	95

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

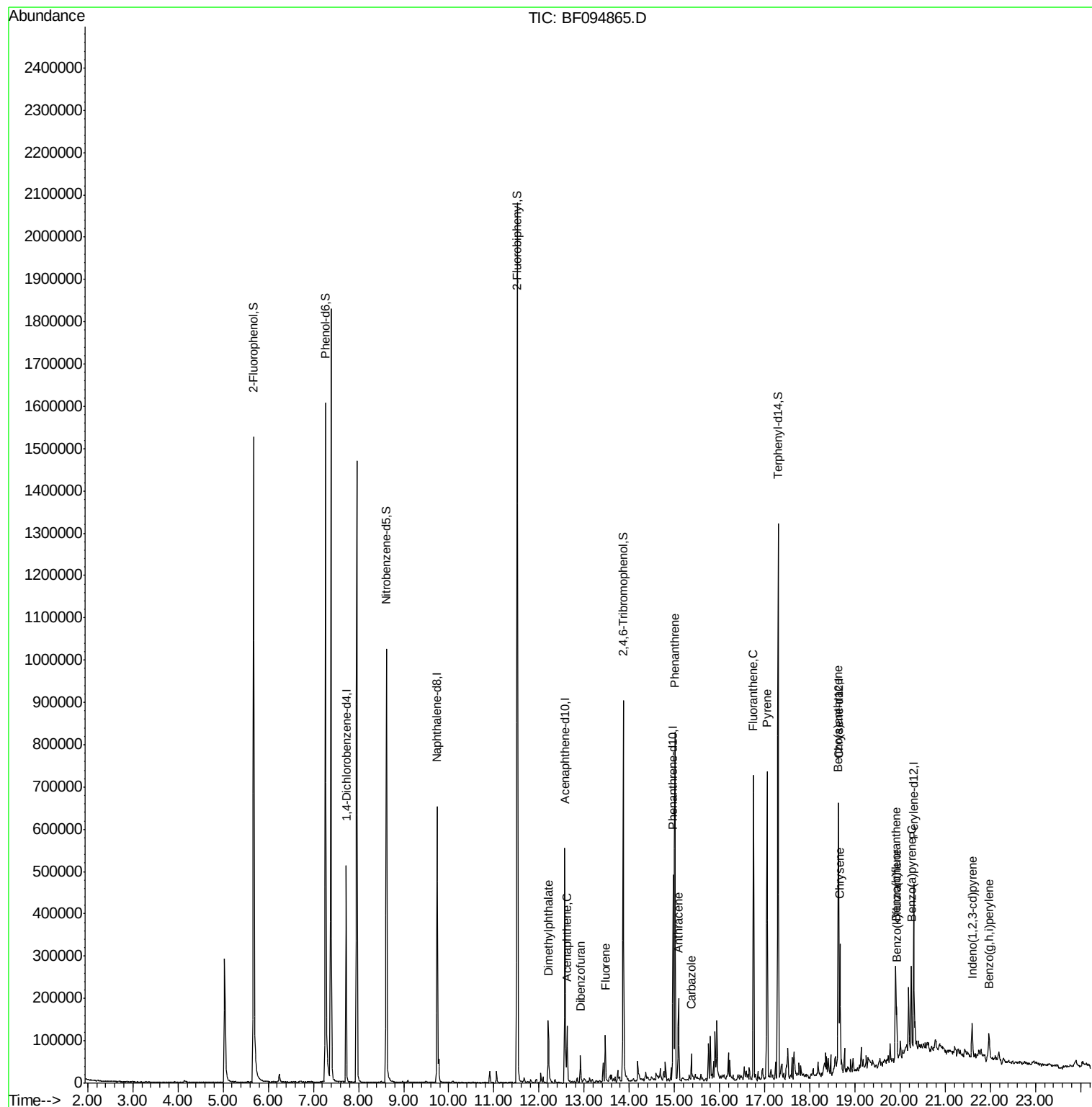
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
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ALS Vial : 26 Sample Multiplier: 1

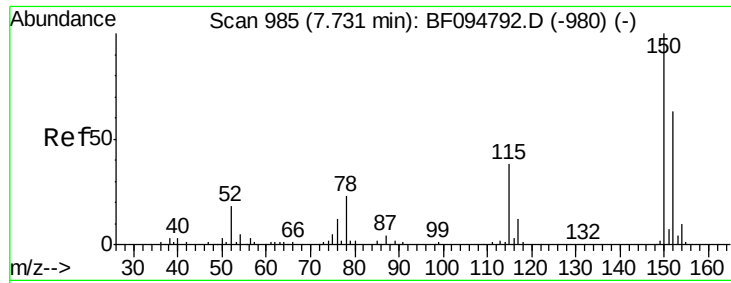
Instrument :
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#1

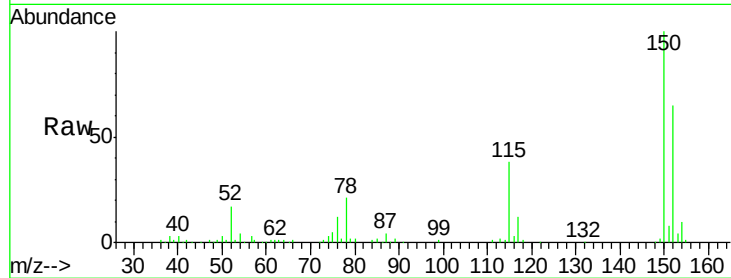
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

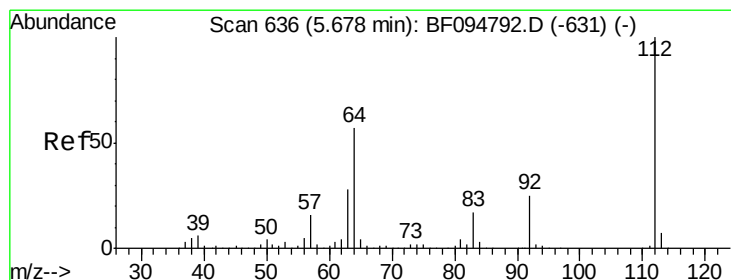
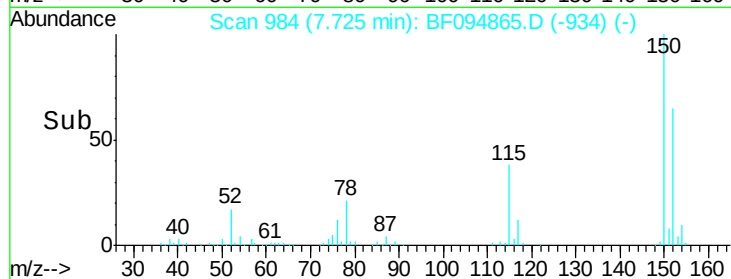
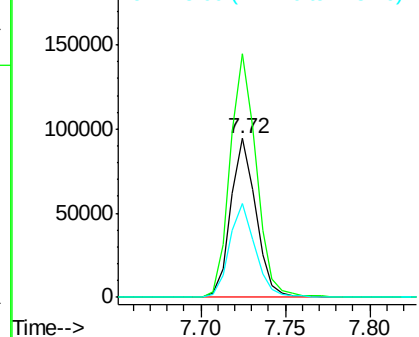
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	98121		
150	153.4	126.2	189.2	
115	58.9	52.2	78.2	

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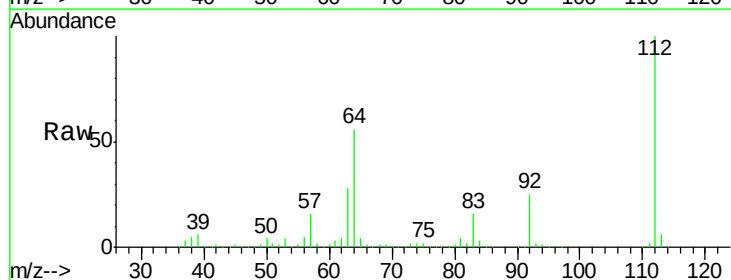
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



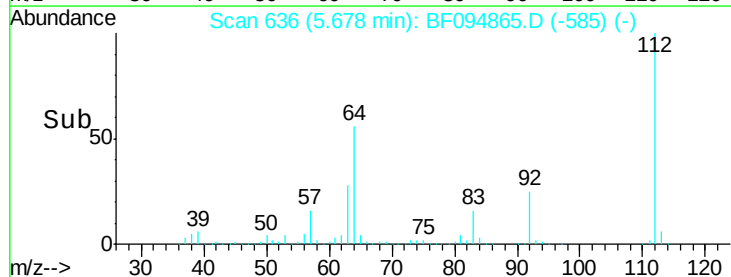
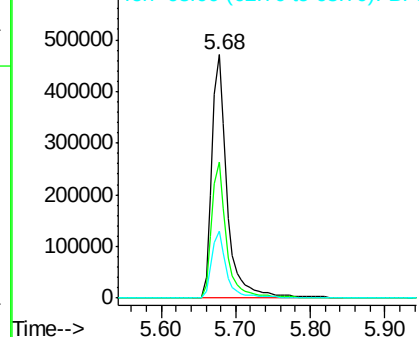
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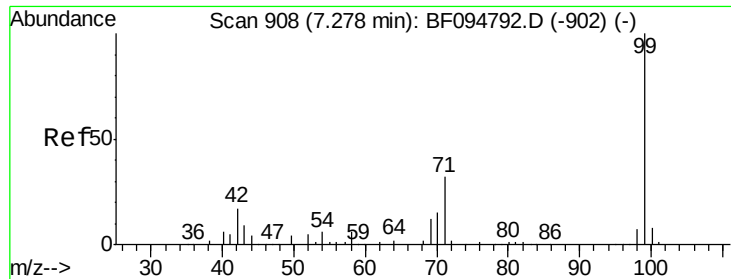
2-Fluorophenol
Concen: 115.65 ng
RT: 5.68 min Scan# 636
Delta R.T. -0.00 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	680645		
64	55.8	46.0	69.0	
63	27.6	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: 118.80 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

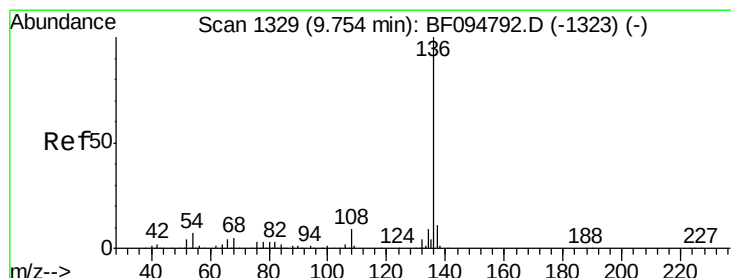
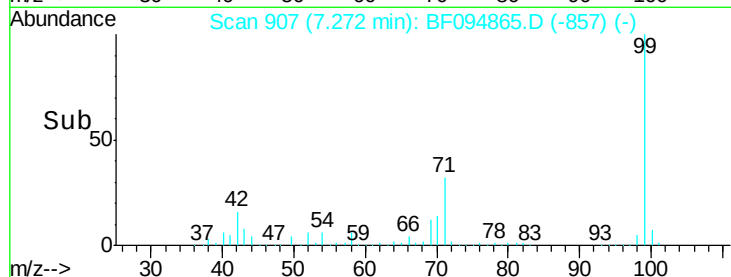
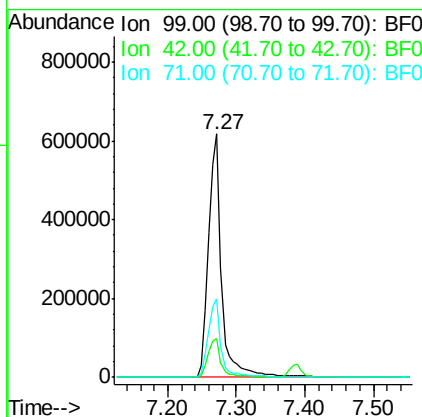
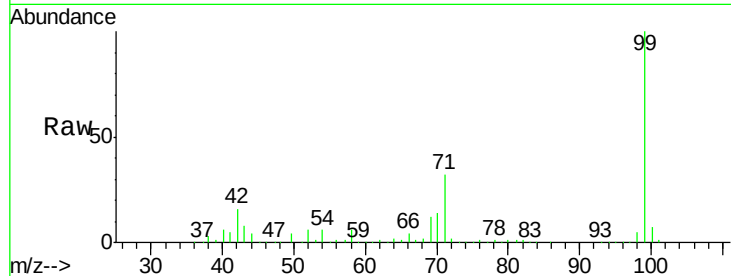
ClientSampleId :

E2-X9-BASE

Tgt Ion:	99	Resp:	838879
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

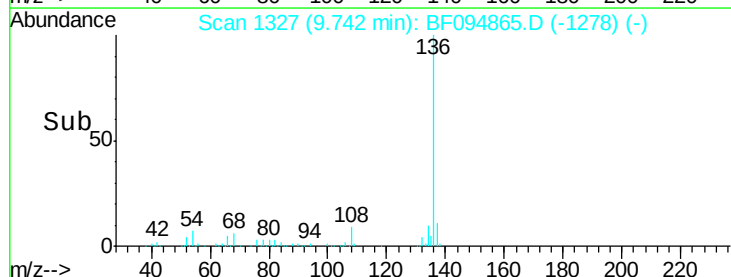
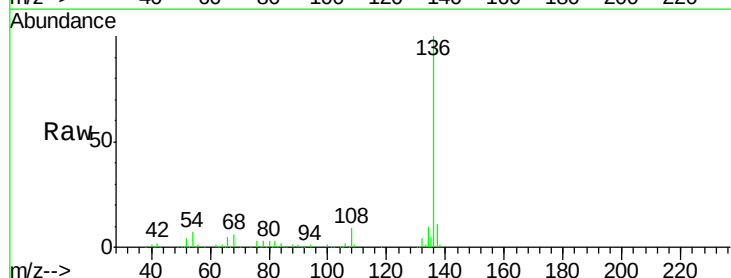
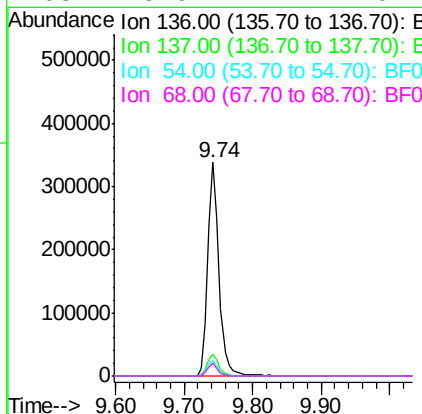
RT: 9.74 min Scan# 1327

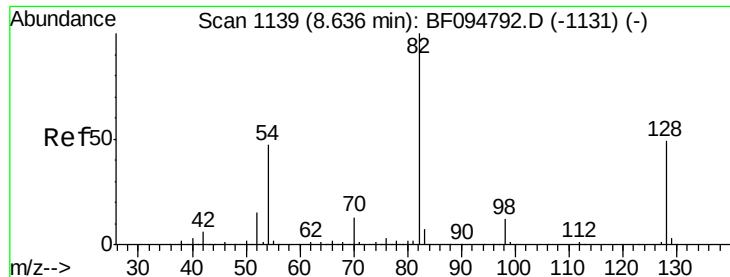
Delta R.T. -0.01 min

Lab File: BF094865.D

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Tgt Ion:	136	Resp:	395973
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	7.0	4.9	7.3
68	5.9	4.1	6.1





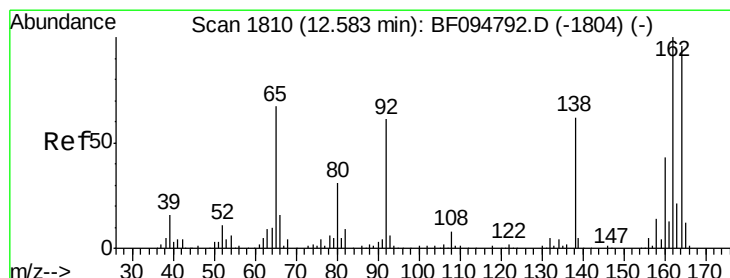
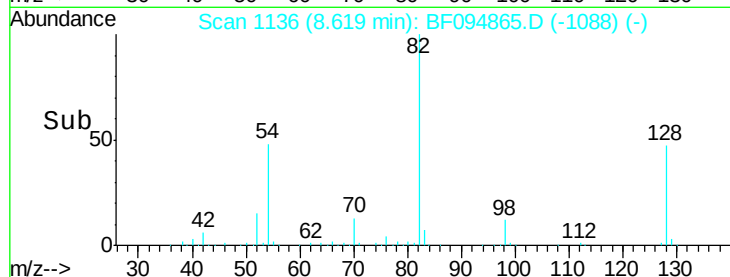
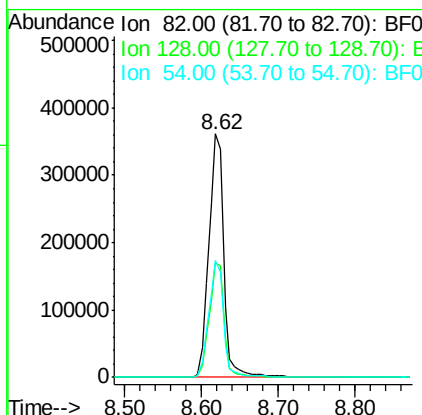
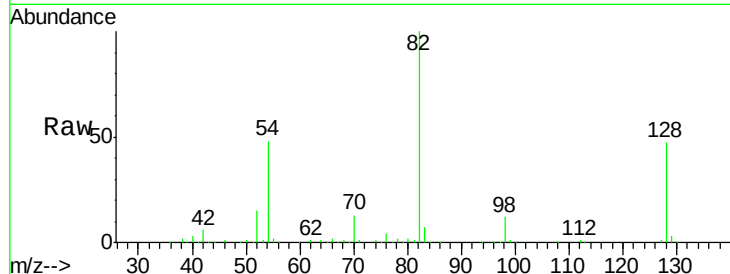
#23
 Nitrobenzene-d5
 Concen: 76.29 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	48.1	42.2	63.2

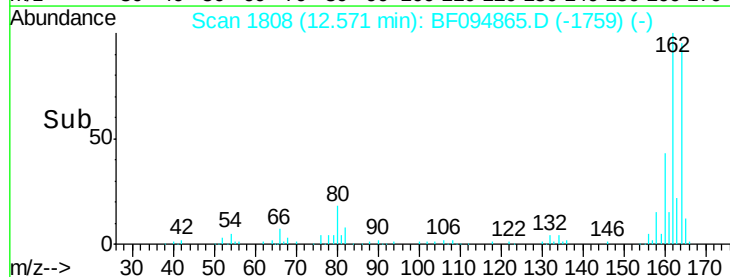
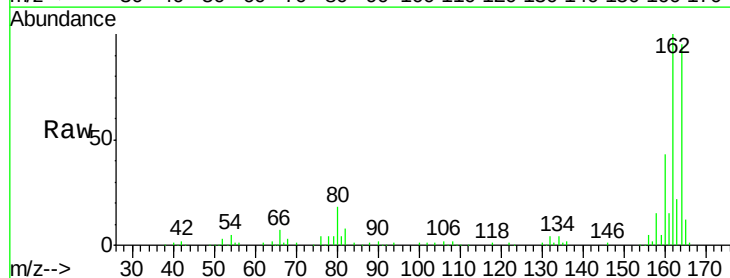
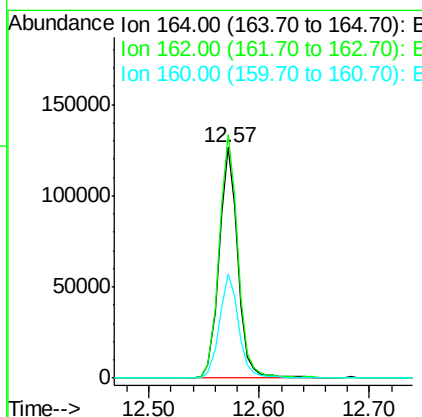
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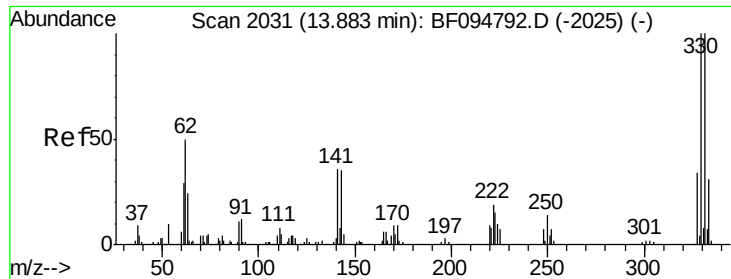
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF094865.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	45.4	36.2	54.2





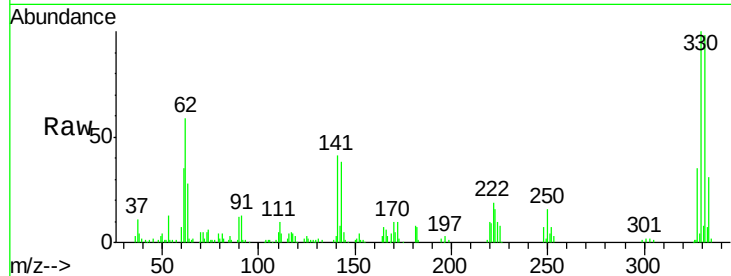
#41
 2,4,6-Tribromophenol
 Concen: 111.29 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

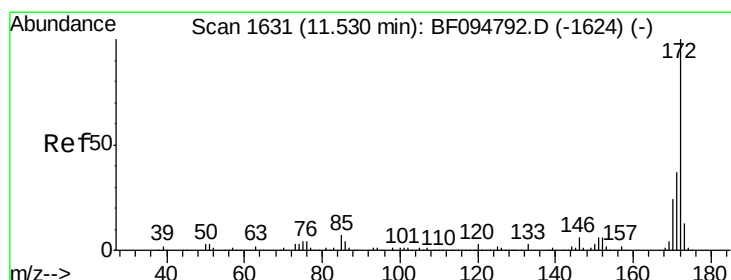
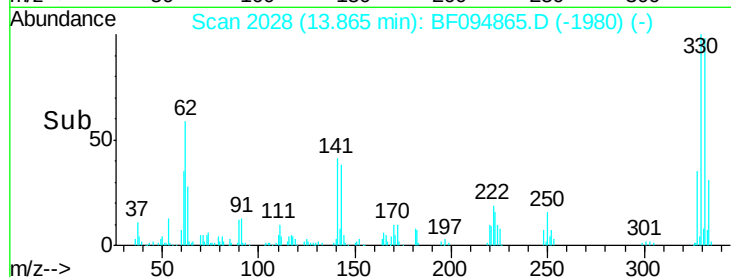
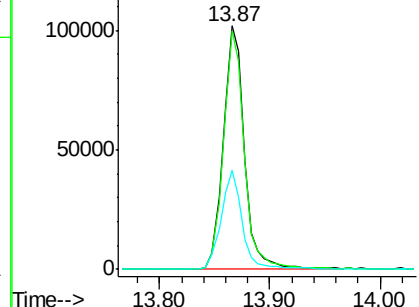
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	136146		
332	97.1	76.6	115.0	
141	40.2	31.4	47.2	

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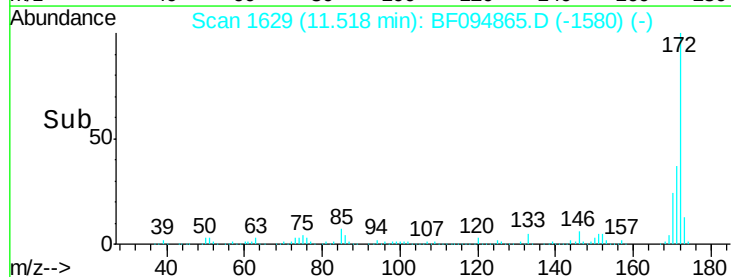
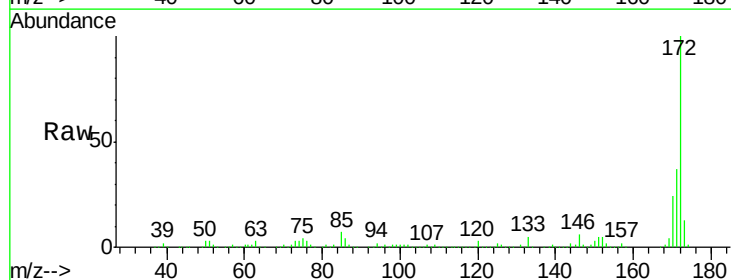
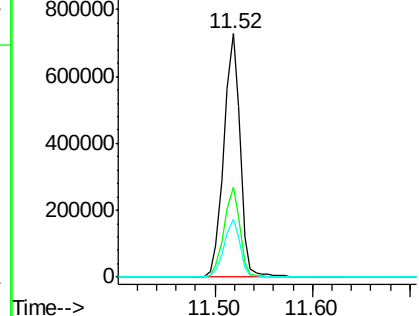
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

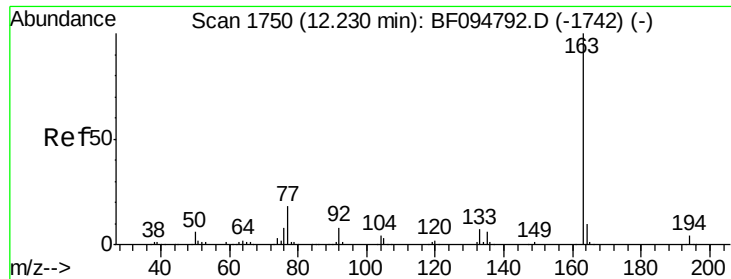


#44
 2-Fluorobiphenyl
 Concen: 82.05 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	851478		
171	36.9	29.6	44.4	
170	23.7	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





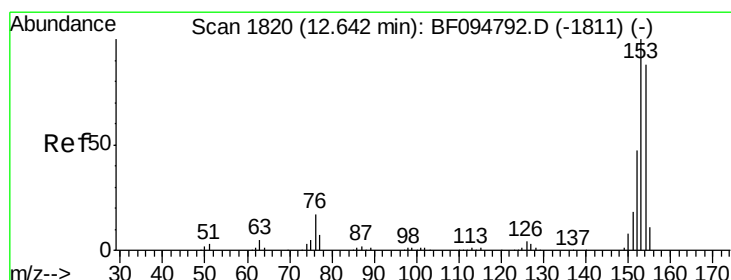
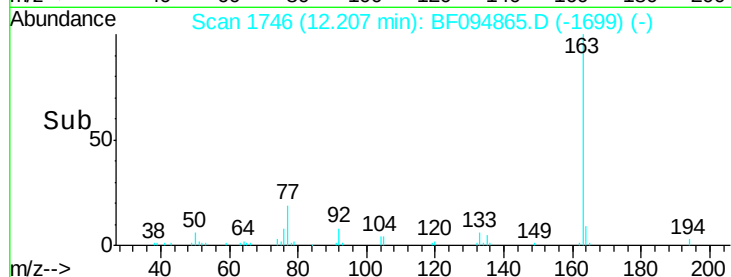
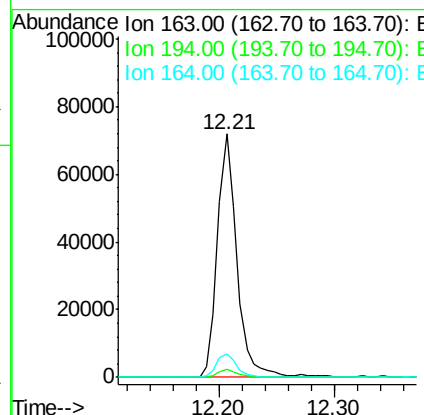
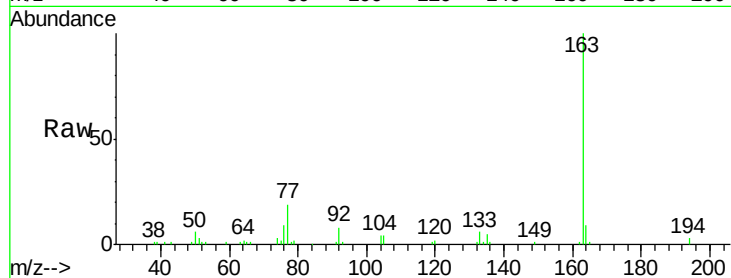
#49
Dimethylphthalate
Concen: 6.94 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	85102		
194	3.1	2.6	4.0	
164	9.4	8.4	12.6	

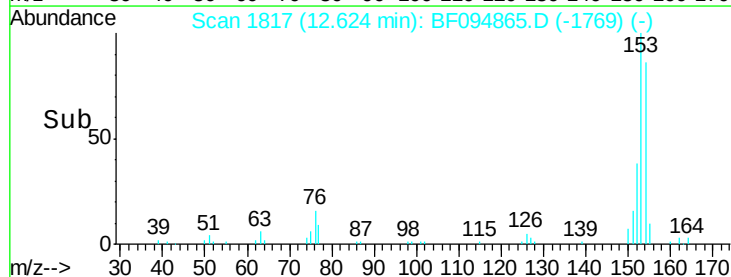
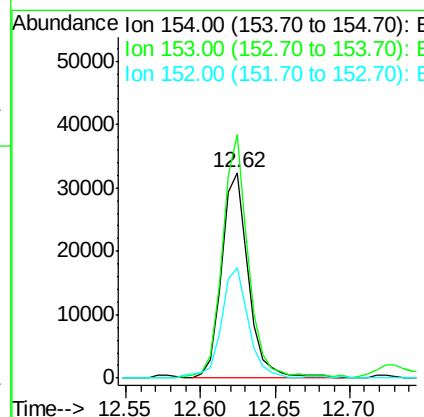
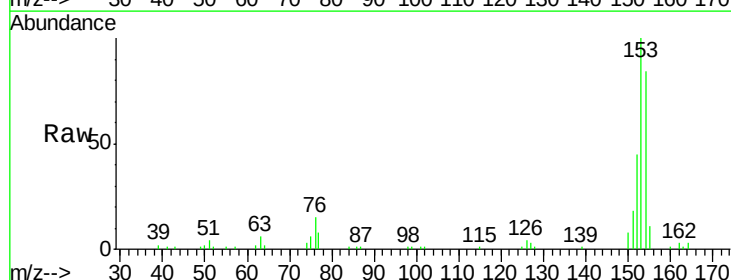
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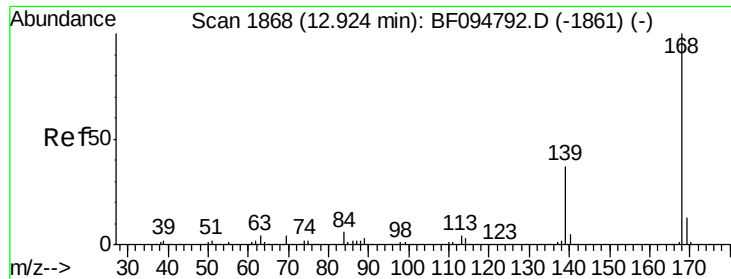
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#51
Acenaphthene
Concen: 4.31 ng
RT: 12.62 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF094865.D
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	40905		
153	118.4	90.5	135.7	
152	53.6	43.6	65.4	





#54

Dibenzenofuran

Concen: 3.17 ng

RT: 12.91 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

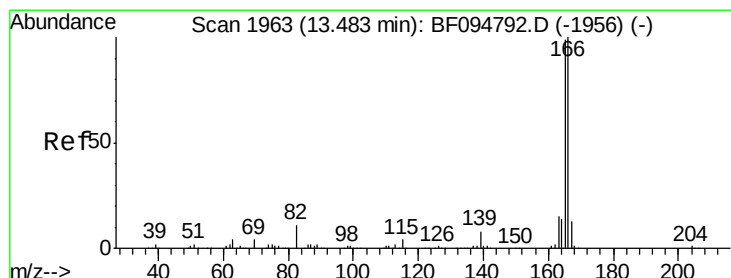
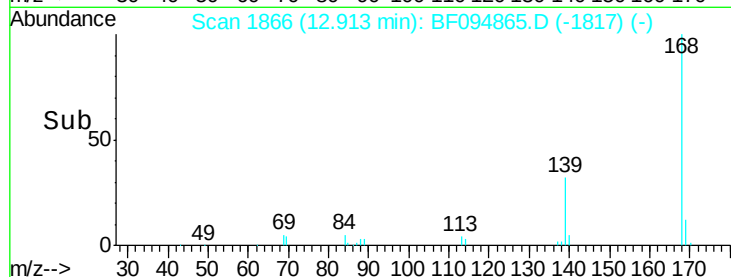
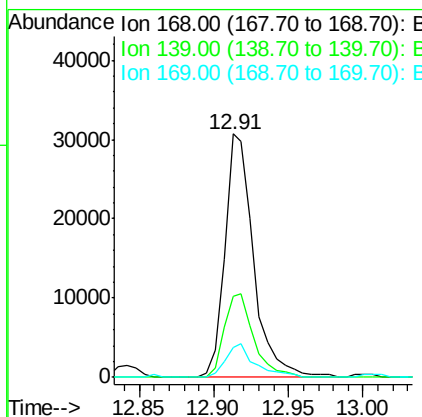
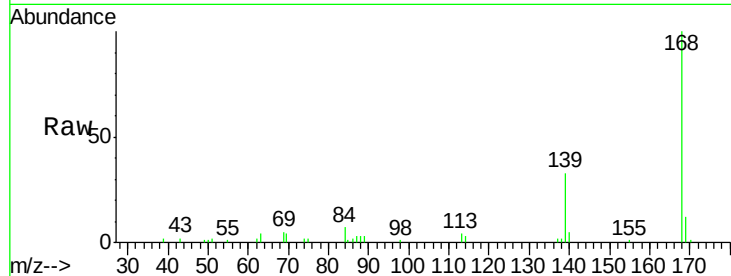
ClientSampleId :

E2-X9-BASE

Tgt Ion:	168	Resp:	41642
Ion Ratio		Lower	Upper
168	100		
139	33.1	30.6	45.8
169	12.1	10.8	16.2

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#57

Fluorene

Concen: 3.43 ng

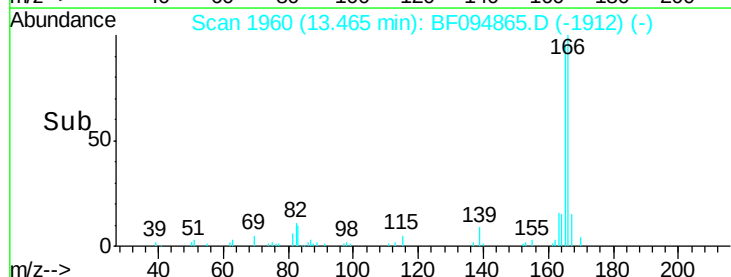
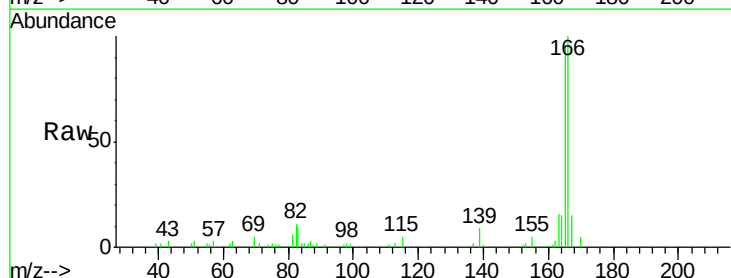
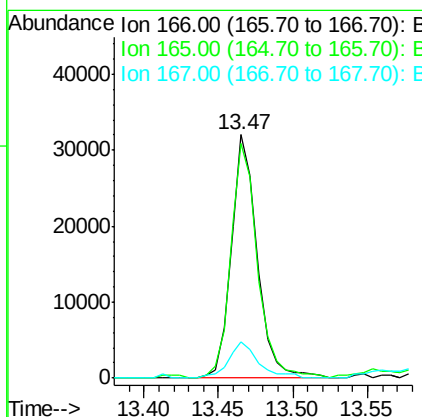
RT: 13.47 min Scan# 1960

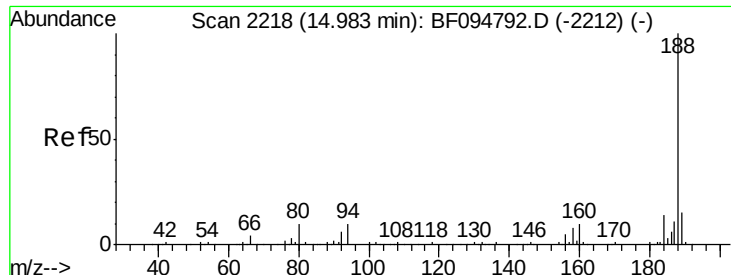
Delta R.T. -0.02 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Tgt Ion:	166	Resp:	39255
Ion Ratio		Lower	Upper
166	100		
165	96.4	78.8	118.2
167	14.6	10.6	16.0





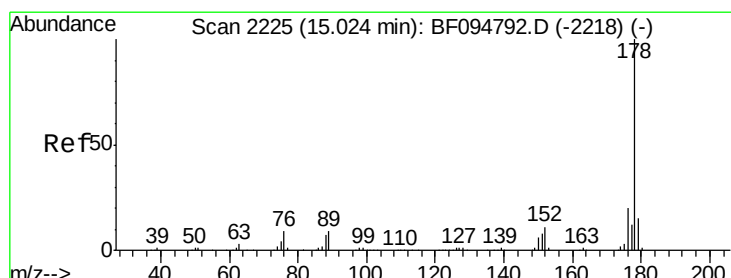
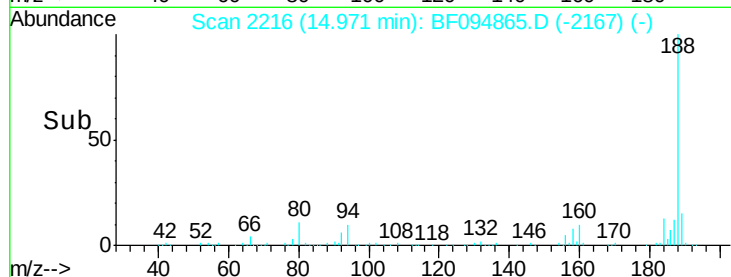
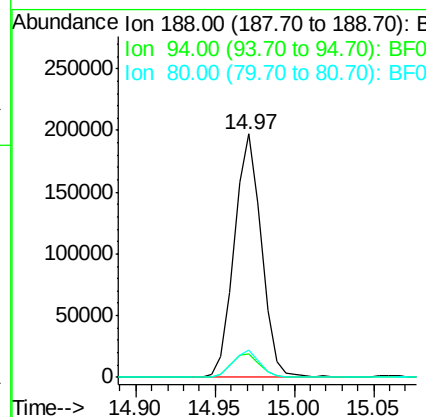
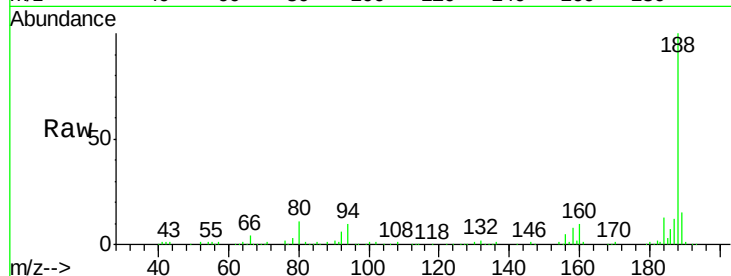
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.7	9.4	14.2
80	11.0	10.2	15.2

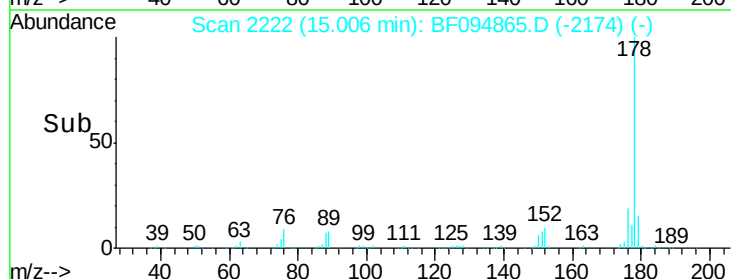
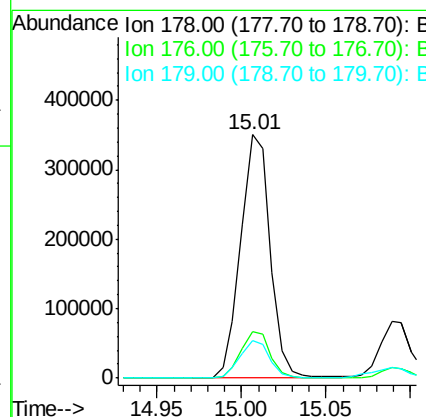
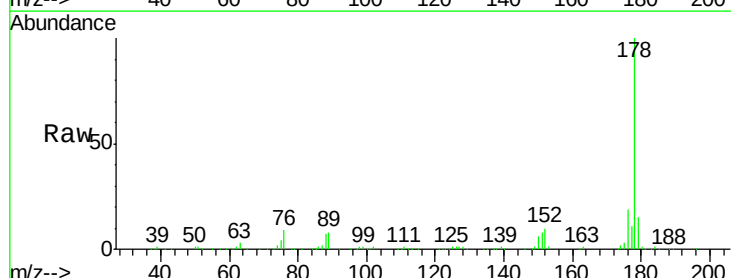
Manual Integrations
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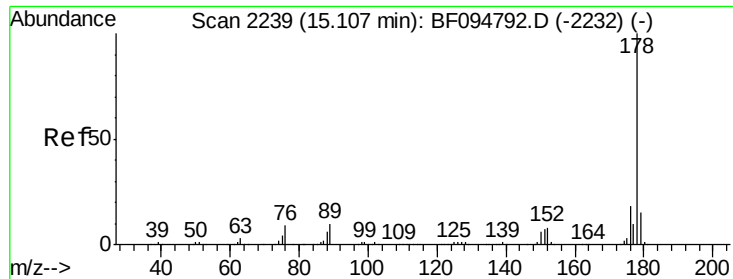
mohammad
 5/4/2017 3:35:38 PM



#70
 Phenanthrene
 Concen: 31.96 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	16.2	24.4
179	15.3	12.6	19.0





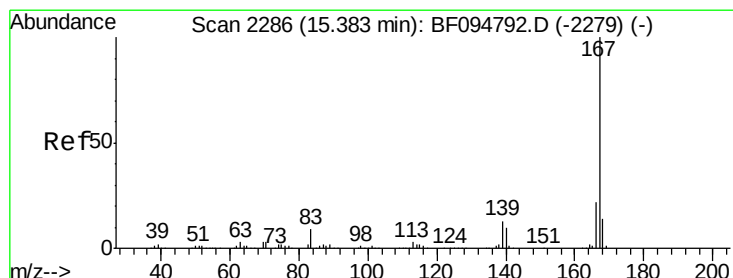
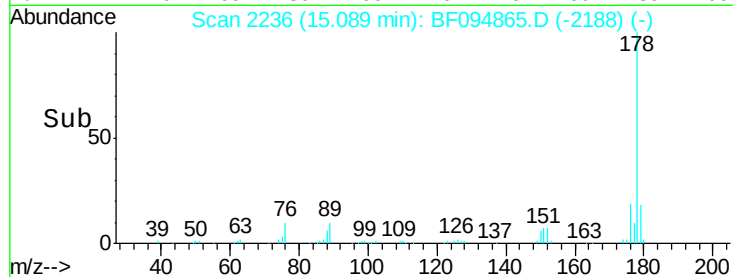
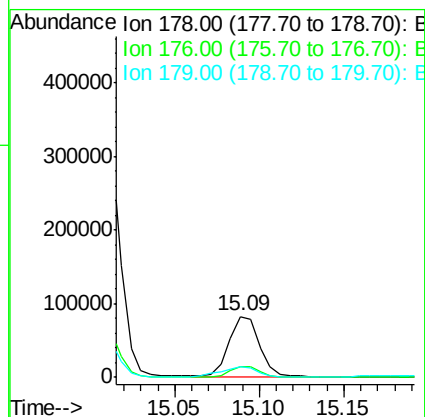
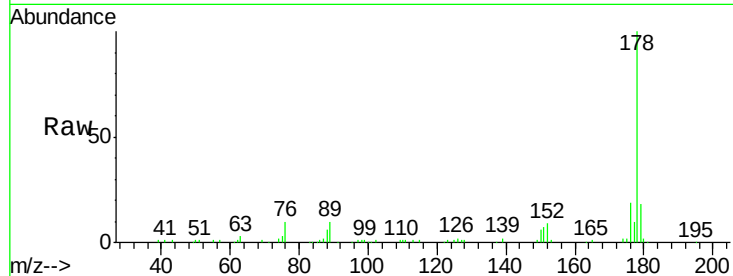
#71
 Anthracene
 Concen: 7.67 ng
 RT: 15.09 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	18.0	12.7	19.1

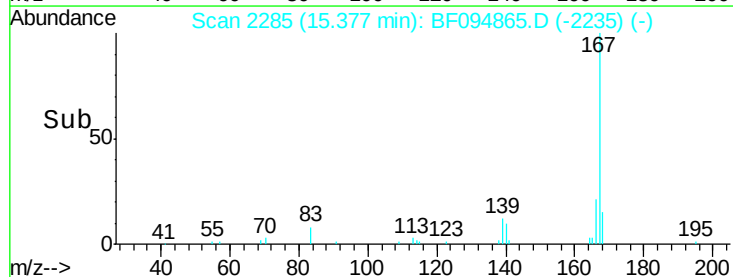
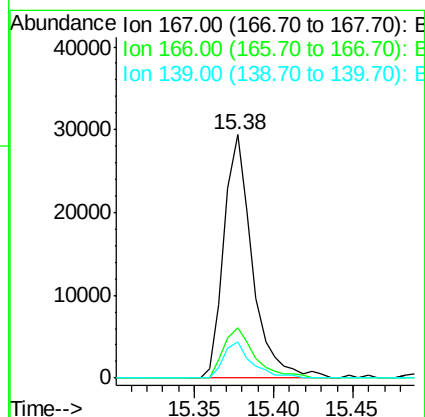
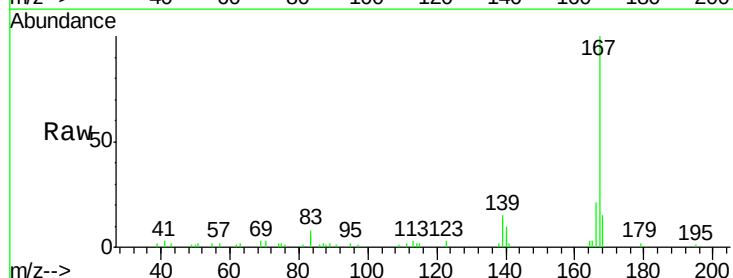
Manual Integrations
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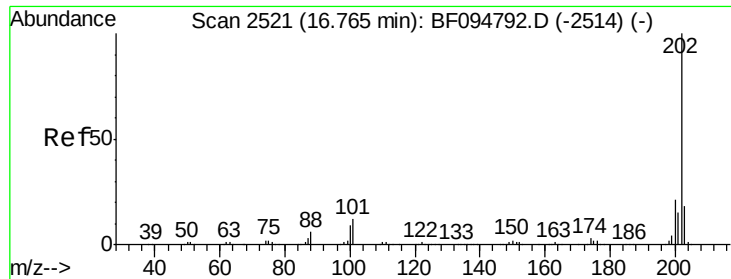
mohammad
 5/4/2017 3:35:38 PM



#72
 Carbazole
 Concen: 2.93 ng
 RT: 15.38 min Scan# 2285
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	18.1	27.1
139	14.7	11.7	17.5





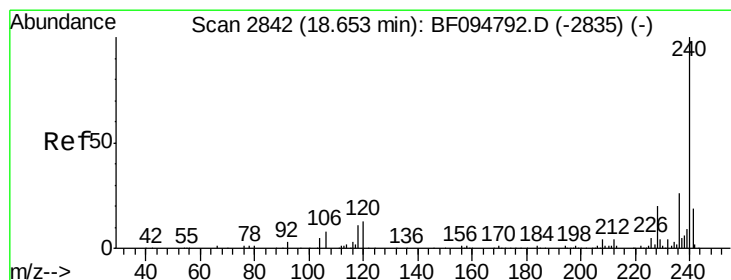
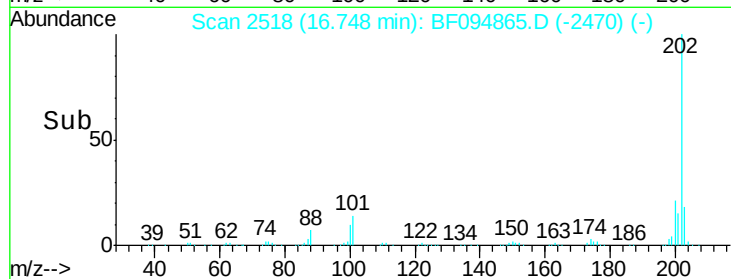
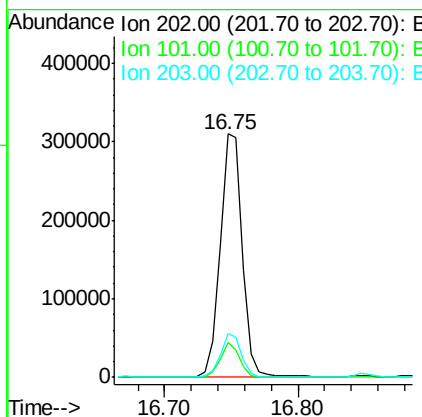
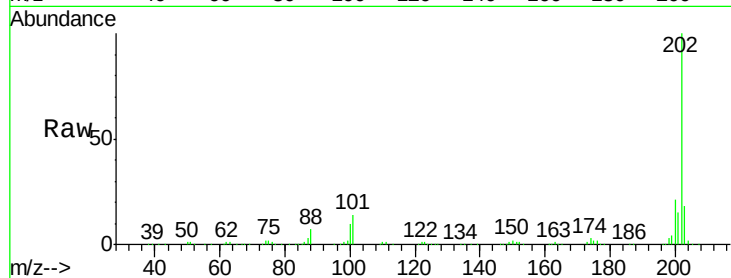
#74
Fluoranthene
Concen: 26.47 ng
RT: 16.75 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.4	0.0	33.2
203	17.9	0.0	38.1

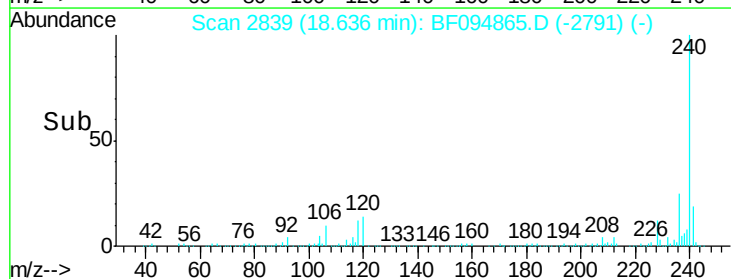
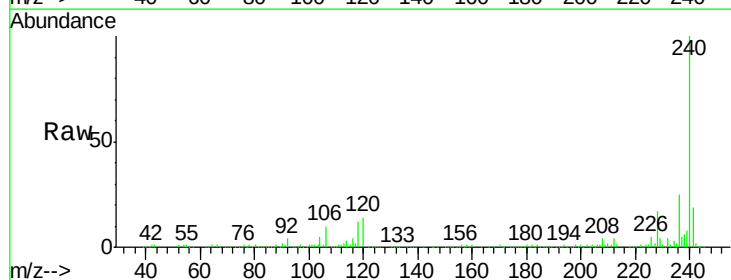
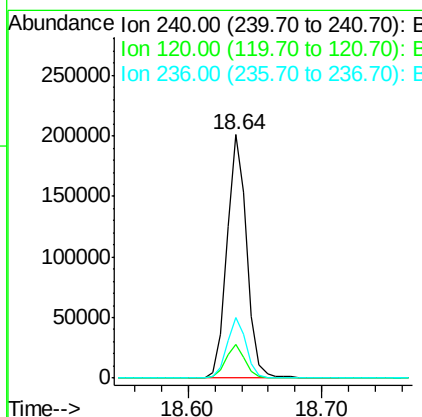
Manual Integrations
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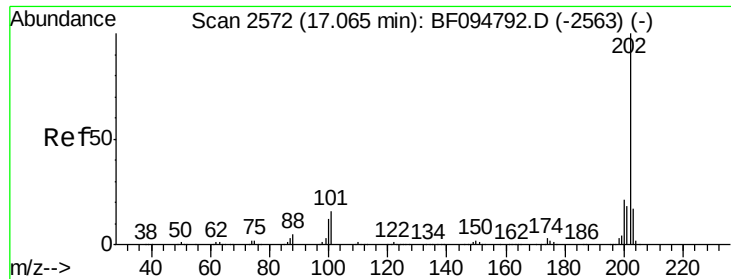
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.7	5.8	8.8#
236	24.8	20.5	30.7





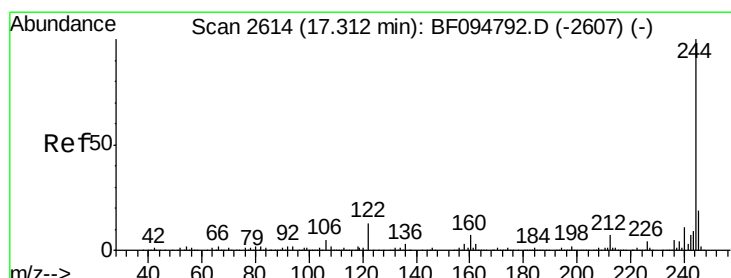
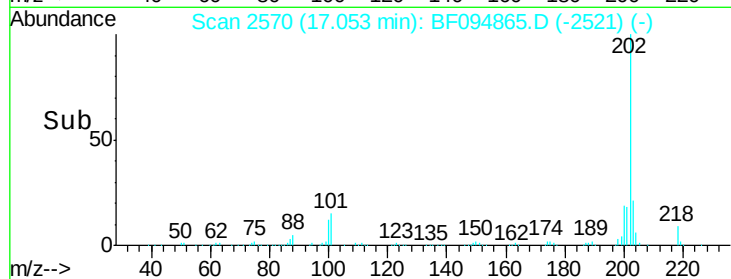
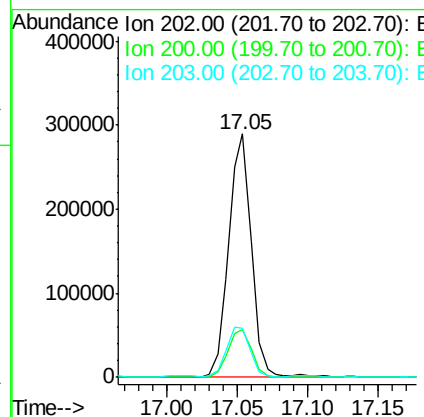
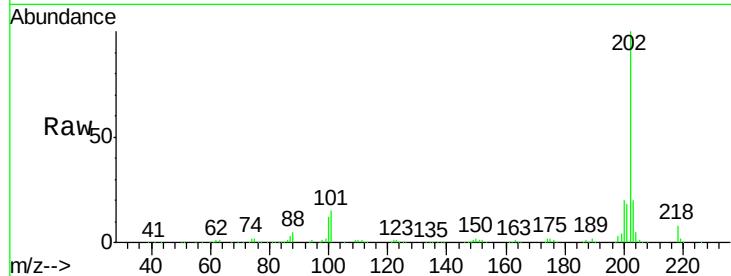
#77
 Pyrene
 Concen: 20.67 ng
 RT: 17.05 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	17.6	26.4
203	20.2	14.4	21.6

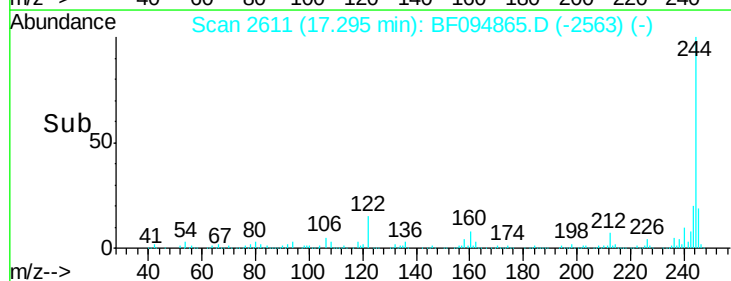
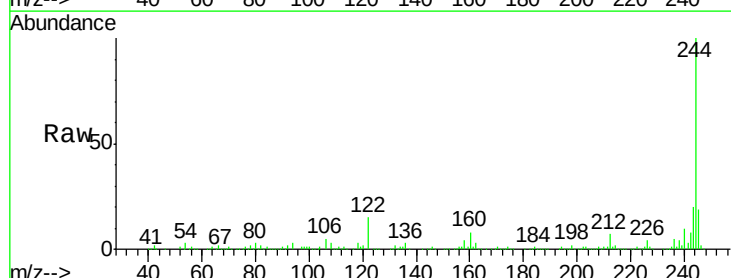
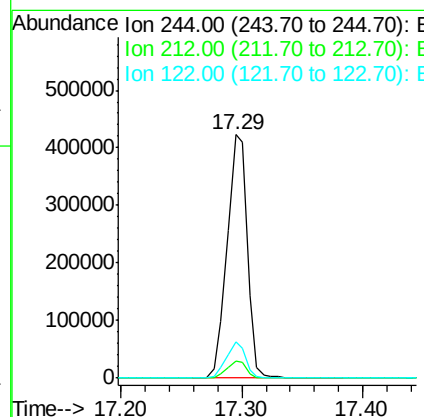
Manual Integrations
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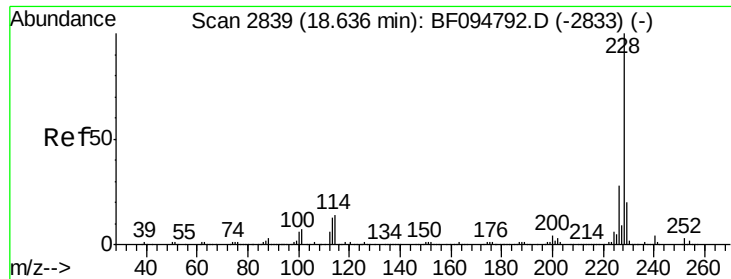
mohammad
 5/4/2017 3:35:38 PM



#78
 Terphenyl-d14
 Concen: 51.29 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	6.0	9.0
122	14.8	10.3	15.5





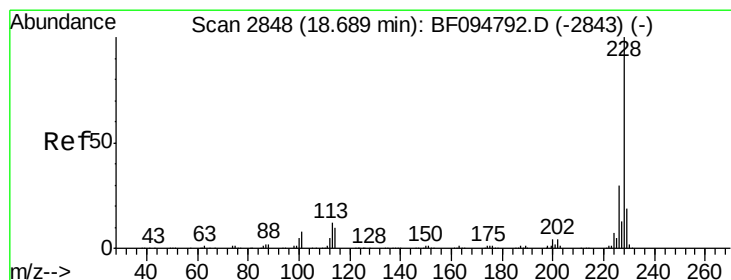
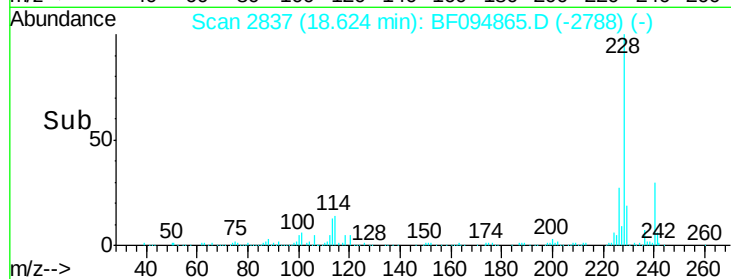
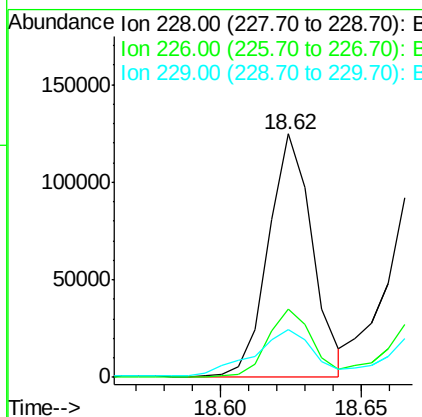
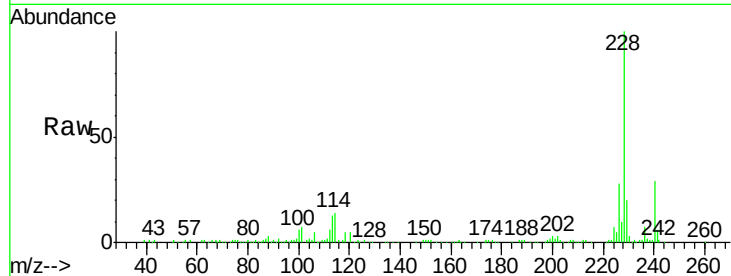
#80
Benzo(a)anthracene
Concen: 11.02 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.8	16.3	24.5

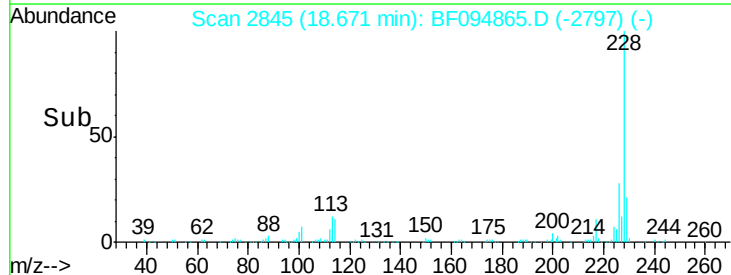
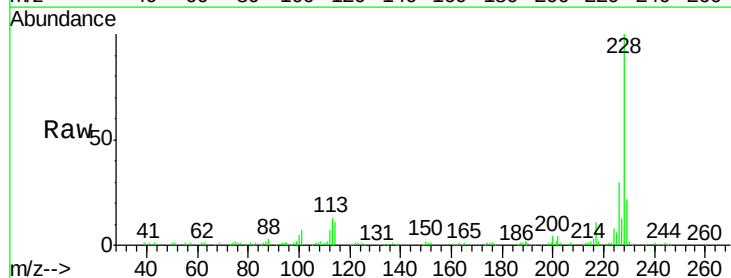
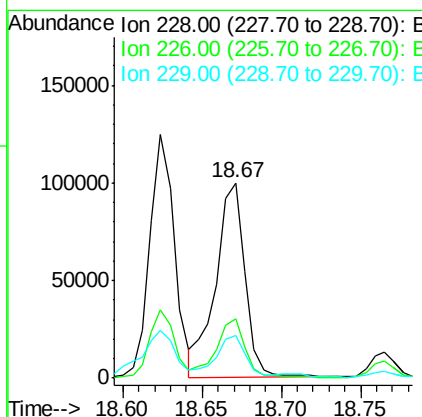
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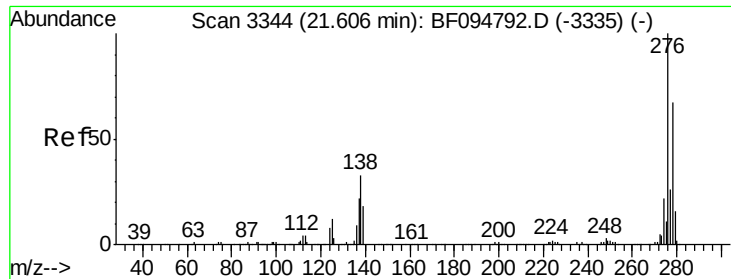
mohammad
5/4/2017 3:35:38 PM



#82
Chrysene
Concen: 10.87 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.6	15.8	23.6





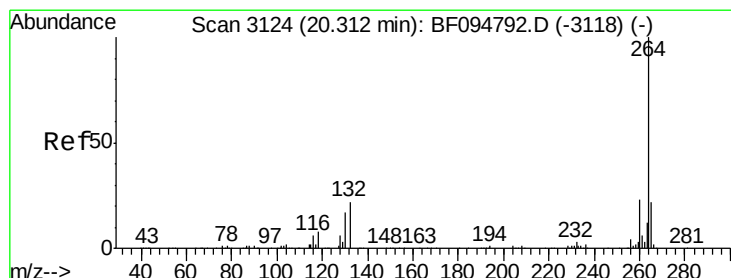
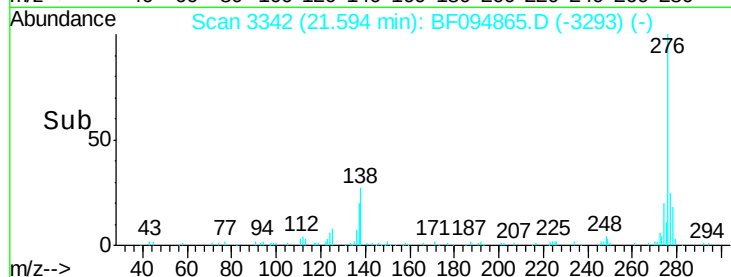
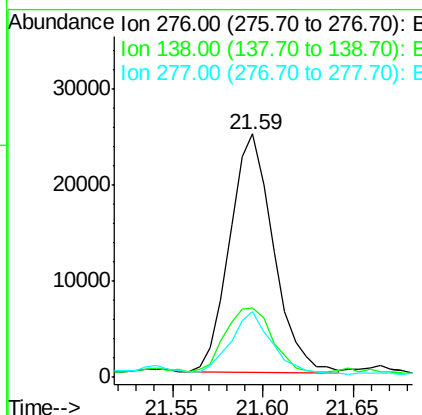
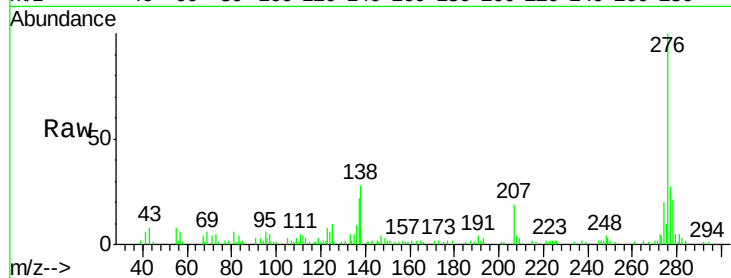
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.34 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Tgt Ion:	276	Resp:	41579
Ion Ratio	Lower	Upper	
276	100		
138	32.9	27.8	41.6
277	25.1	20.2	30.4

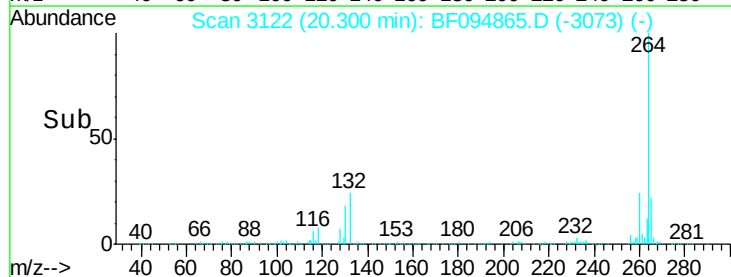
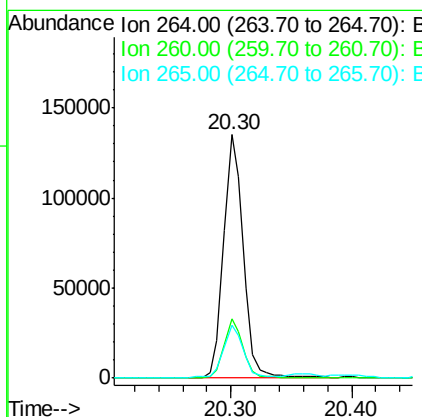
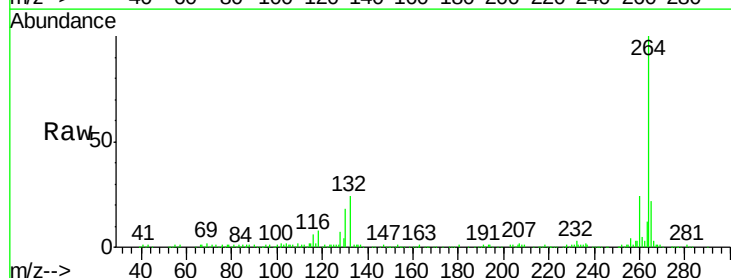
Manual Integrations
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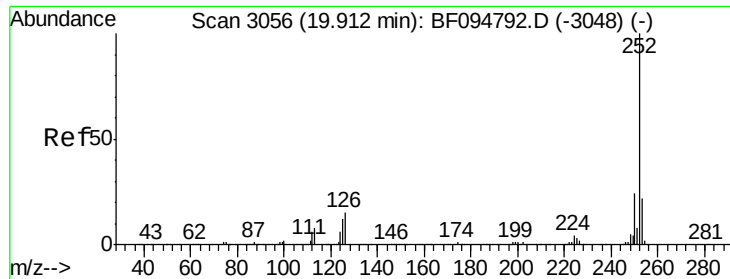
mohammad
 5/4/2017 3:35:38 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion:	264	Resp:	153374
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8





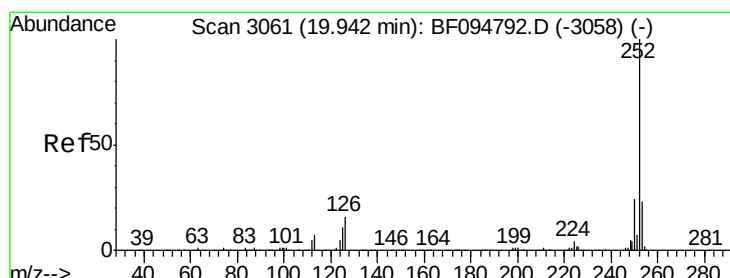
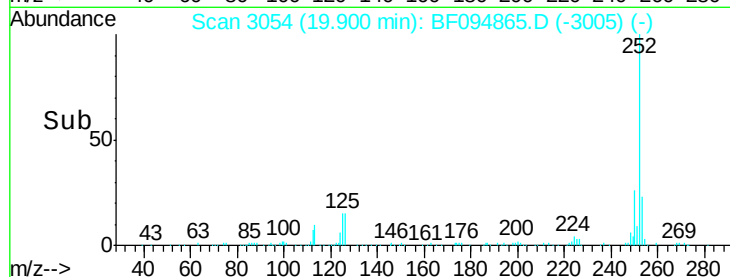
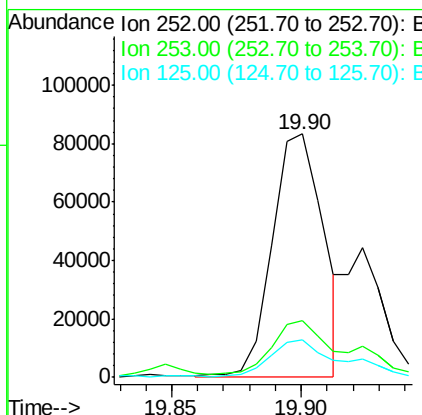
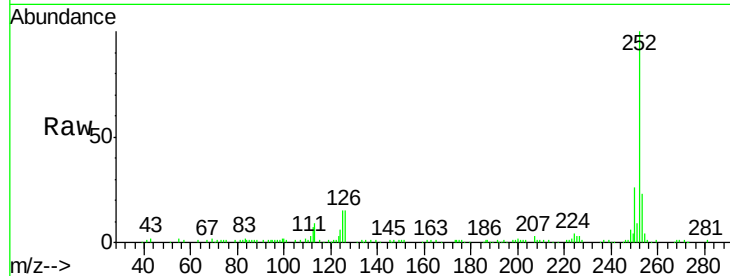
#87
Benzo(b)fluoranthene
Concen: 11.99 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	15.3	9.8	14.8

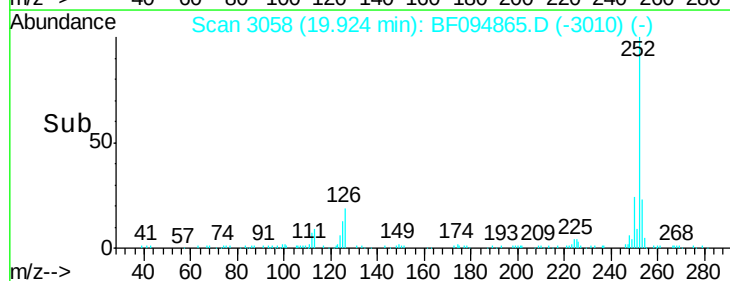
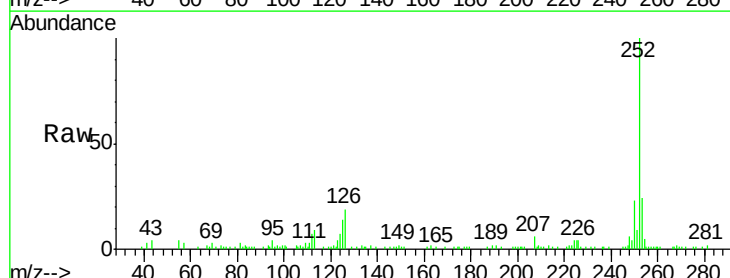
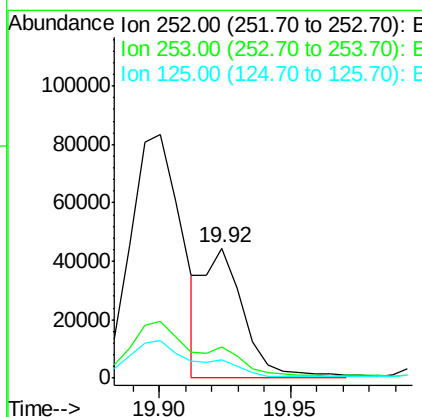
Manual Integrations
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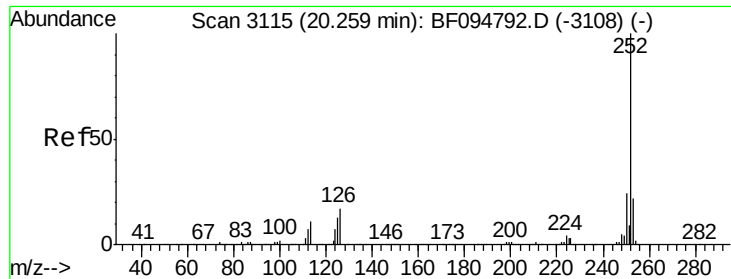
mohammad
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#88
Benzo(k)fluoranthene
Concen: 5.23 ng m
RT: 19.92 min Scan# 3058
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	13.8	13.1	19.7





#89

Benzo(a)pyrene

Concen: 9.98 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

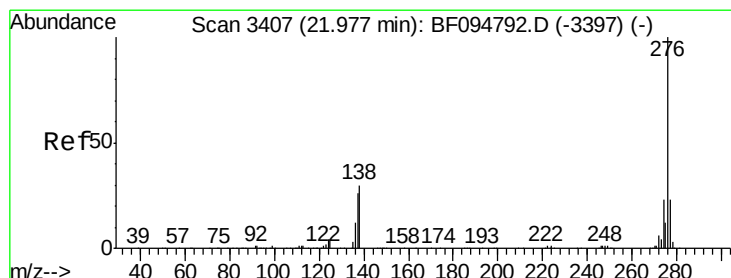
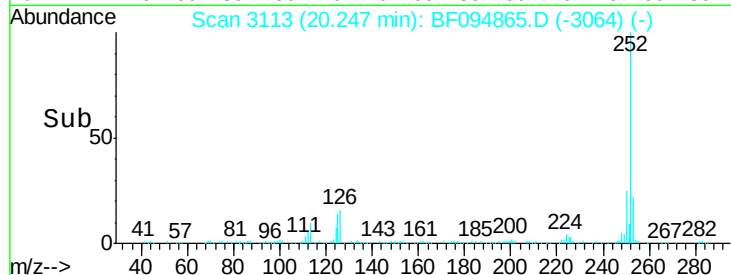
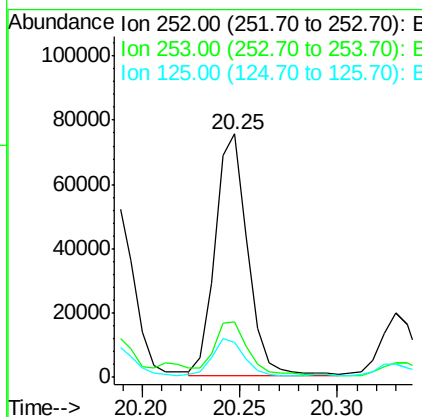
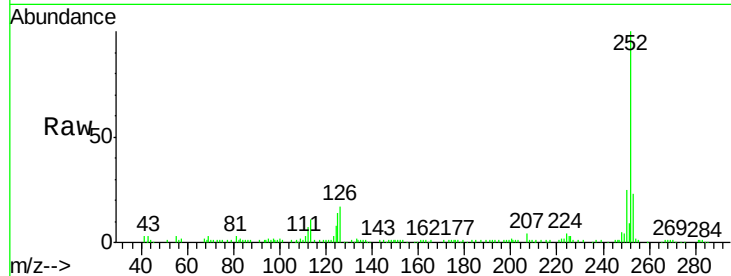
ClientSampleId :

E2-X9-BASE

Tgt Ion:	252	Resp:	87249
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	14.4	11.0	16.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.64 ng

RT: 21.97 min Scan# 3406

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Tgt Ion:	276	Resp:	39954
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.6	28.0
138	29.2	25.4	38.0

