

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093272.D
 Acq On : 1 Mar 2017 4:34
 Operator : SJ/MA
 Sample : I1972-06DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-3DL

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Quant Time: Mar 01 06:35:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	136235	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	474935	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	202541	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	342647	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	301617	20.00	ng	-0.05
86) Perylene-d12	15.40	264	210608	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	286722	36.11	ng	-0.03
7) Phenol-d6	6.45	99	372218	36.43	ng	-0.03
23) Nitrobenzene-d5	7.38	82	207656	24.35	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	45412	31.00	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	315849	28.25	ng	-0.05
78) Terphenyl-d14	12.91	244	230109	17.93	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	29209	2.14	ng	# 98
51) Acenaphthene	9.88	154	51269	4.33	ng	96
54) Dibenzofuran	10.05	168	39033	2.46	ng	91
57) Fluorene	10.40	166	60791	4.99	ng	98
70) Phenanthrene	11.36	178	715005	36.42	ng	98
71) Anthracene	11.41	178	189272	9.60	ng	97
72) Carbazole	11.57	167	61711	3.27	ng	95
74) Fluoranthene	12.54	202	776144	38.33	ng	97
77) Pyrene	12.77	202	799518	35.42	ng	99
80) Benzo(a)anthracene	13.96	228	413924	22.44	ng	99
82) Chrysene	14.00	228	297429	17.22	ng	97
85) Indeno(1,2,3-cd)pyrene	16.79	276	107297	8.02	ng	96
87) Benzo(b)fluoranthene	14.99	252	274480m	19.80	ng	
88) Benzo(k)fluoranthene	15.00	252	124418m	10.40	ng	
89) Benzo(a)pyrene	15.35	252	216724	18.07	ng	98
90) Dibenzo(a,h)anthracene	16.79	278	26677	2.75	ng	# 75
91) Benzo(g,h,i)perylene	17.21	276	102217	10.44	ng	# 90

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

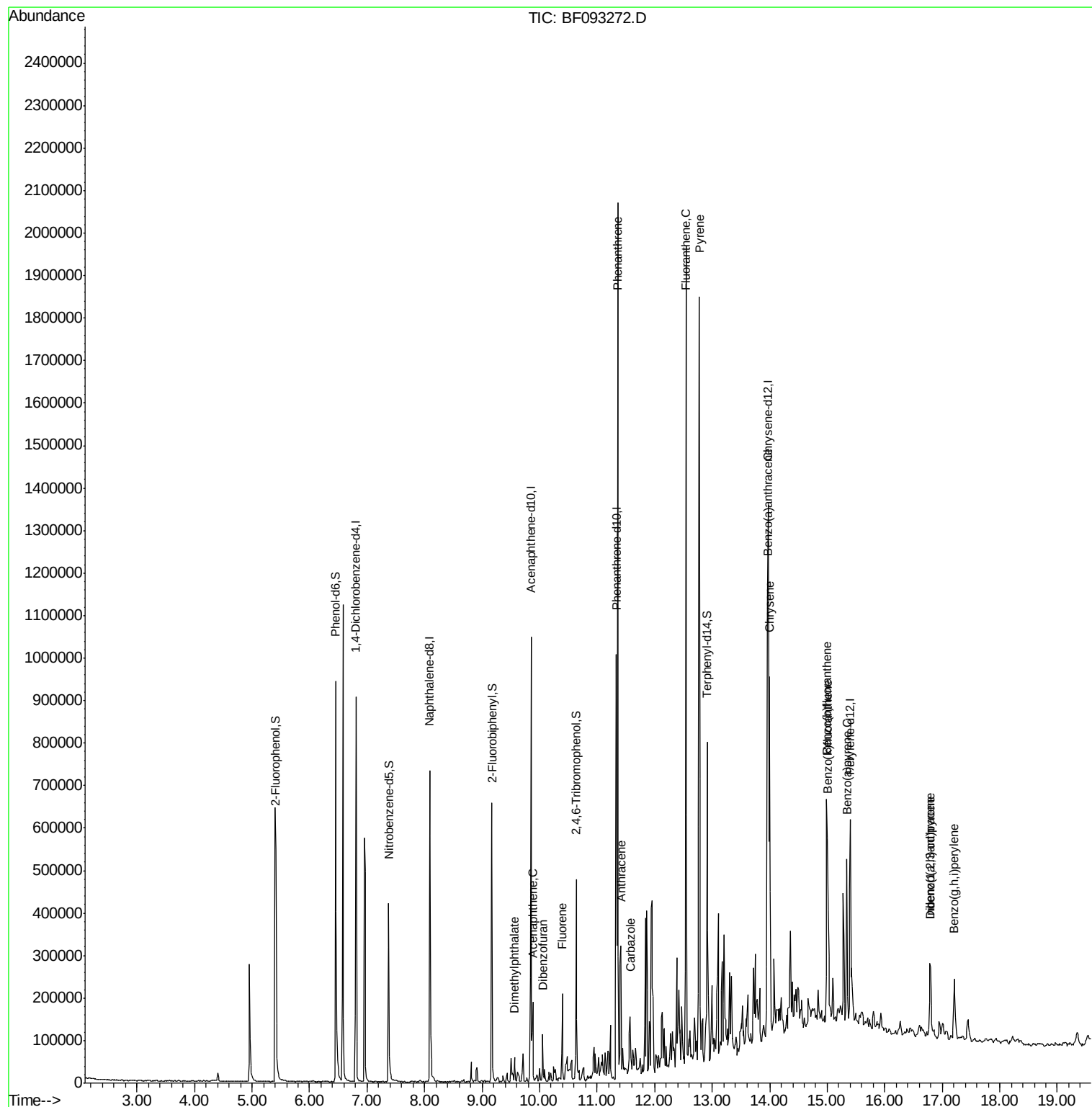
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
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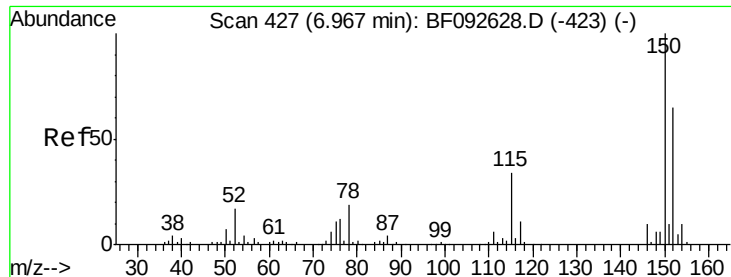
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093272.D

Acq: 1 Mar 2017 4:34

Instrument :

BNA_F

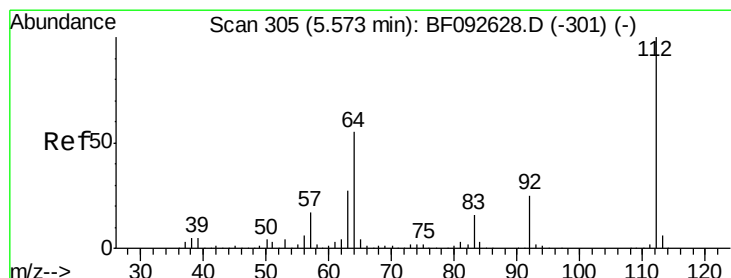
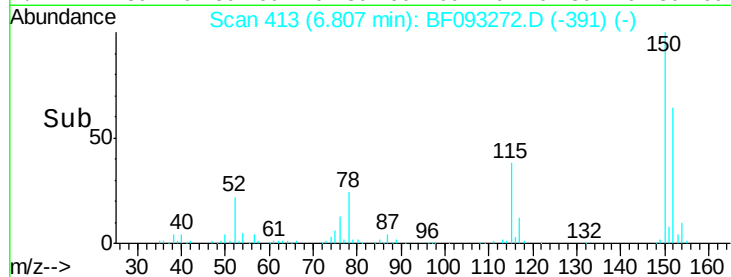
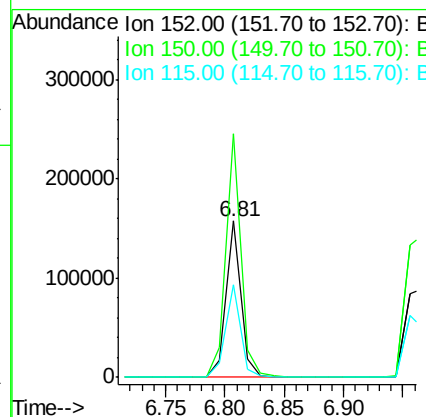
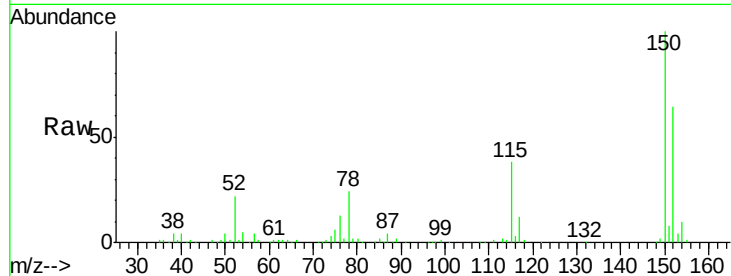
ClientSampleId :

E2B21-BASE-3DL

Tgt Ion:	152	Resp:	136235
Ion Ratio	Lower	Upper	
152	100		
150	155.8	124.9	187.3
115	59.6	46.0	69.0

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#5

2-Fluorophenol

Concen: 36.11 ng

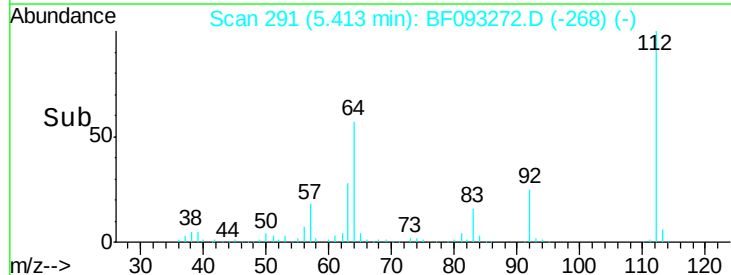
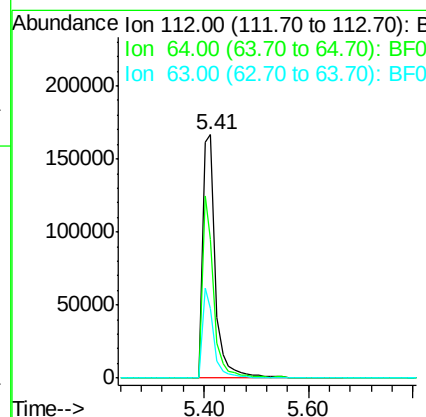
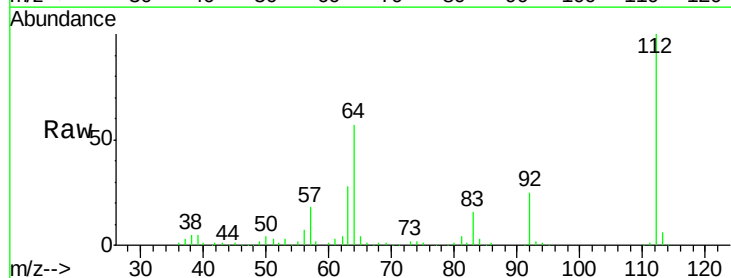
RT: 5.41 min Scan# 291

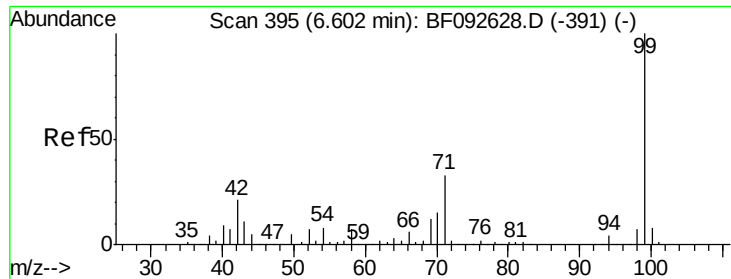
Delta R.T. -0.03 min

Lab File: BF093272.D

Acq: 1 Mar 2017 4:34

Tgt Ion:	112	Resp:	286722
Ion Ratio	Lower	Upper	
112	100		
64	56.7	46.1	69.1
63	28.5	23.8	35.6





#7

Phenol-d6

Concen: 36.43 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093272.D

Acq: 1 Mar 2017 4:34

Instrument :

BNA_F

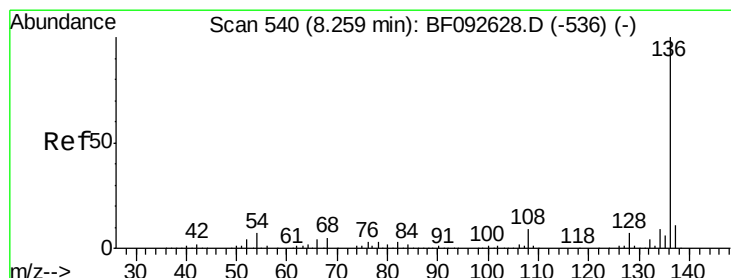
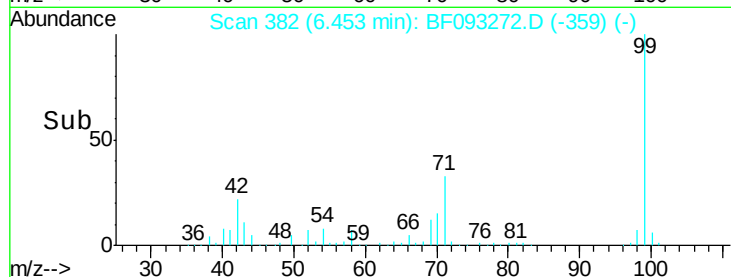
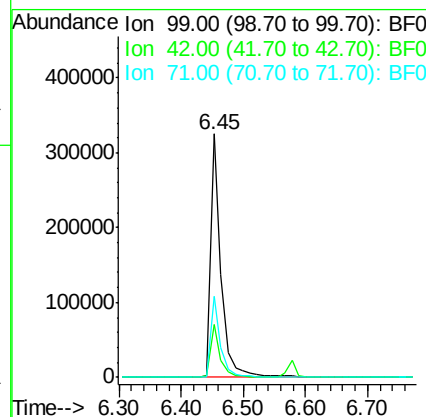
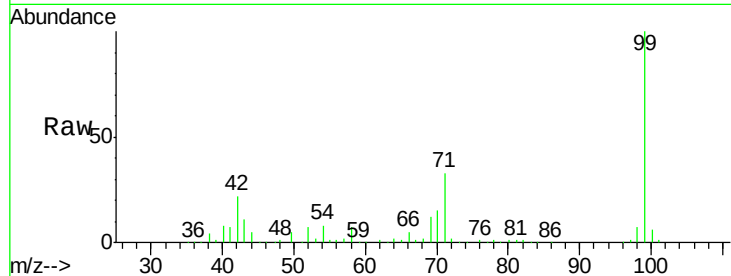
ClientSampleId :

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Tgt Ion:	99	Resp:	372218
Ion	Ratio	Lower	Upper
99	100		
42	21.7	15.6	23.4
71	33.3	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

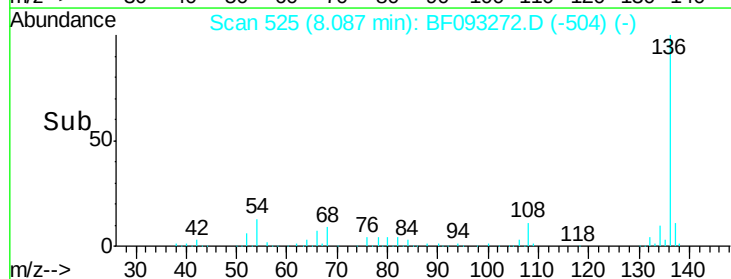
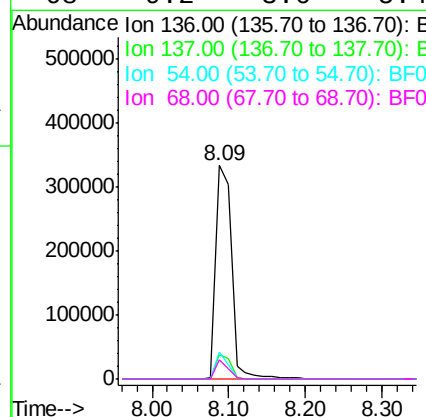
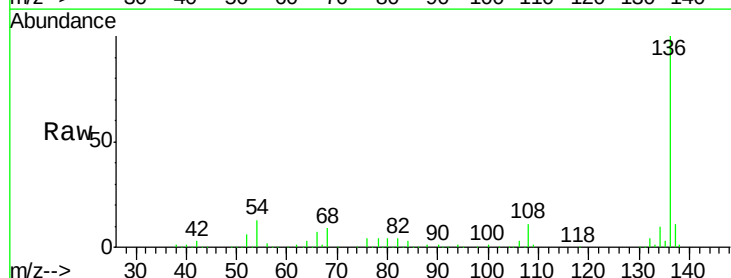
RT: 8.09 min Scan# 525

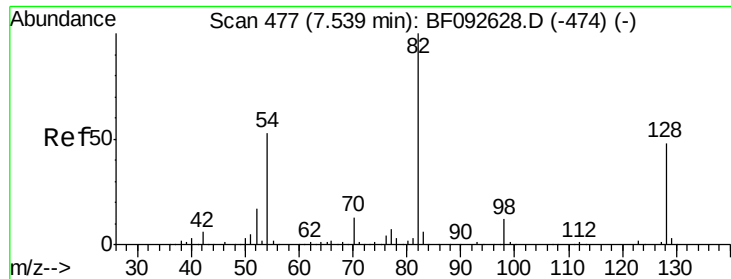
Delta R.T. -0.06 min

Lab File: BF093272.D

Acq: 1 Mar 2017 4:34

Tgt Ion:	136	Resp:	474935
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	12.8	4.5	6.7#
68	9.2	3.6	5.4#





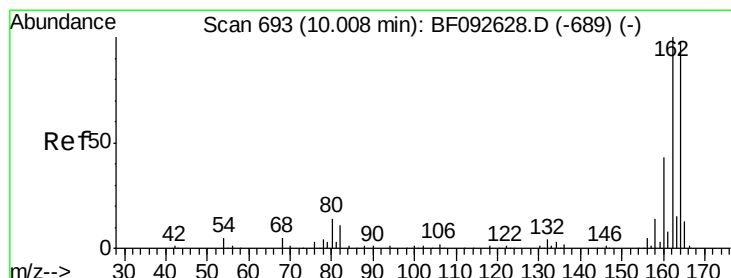
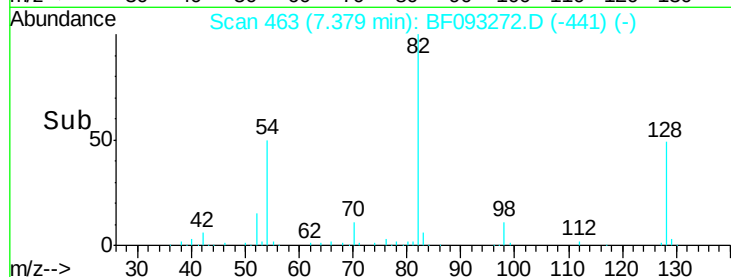
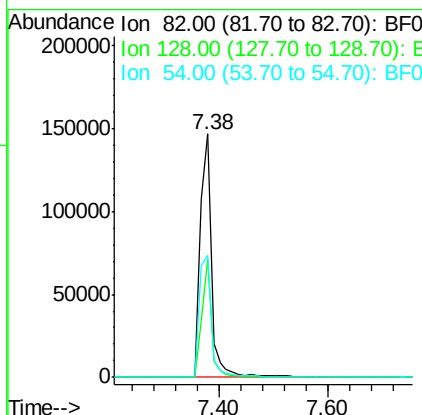
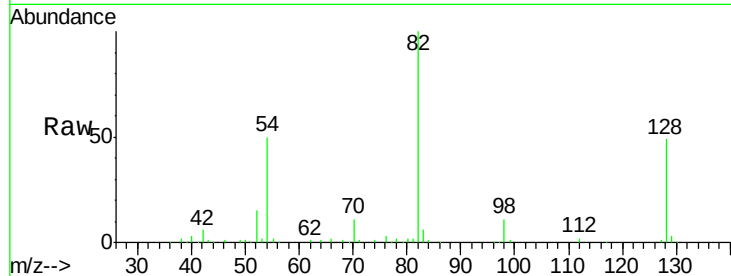
#23
 Nitrobenzene-d5
 Concen: 24.35 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	48.8	34.6	52.0
54	50.3	39.5	59.3

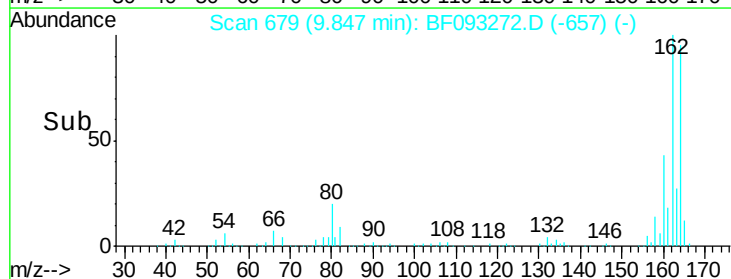
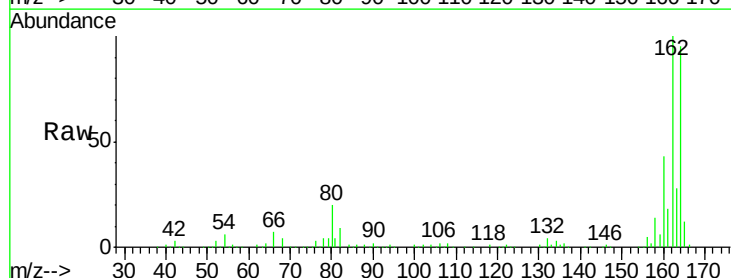
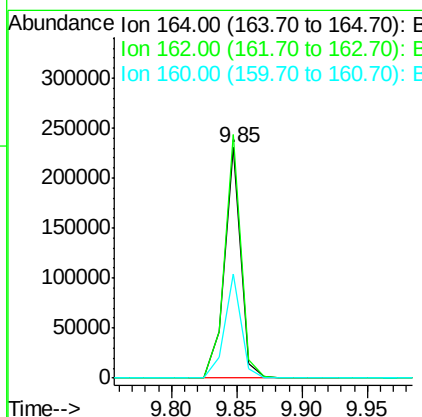
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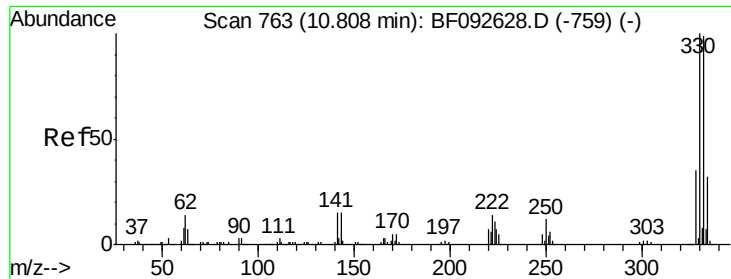
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	105.6	80.2	120.2
160	45.3	36.9	55.3





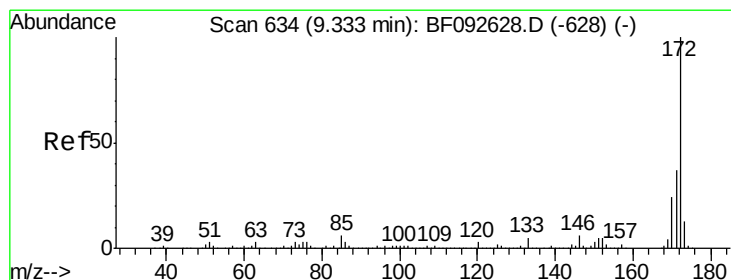
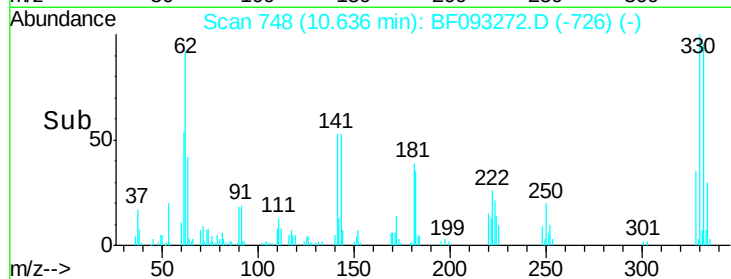
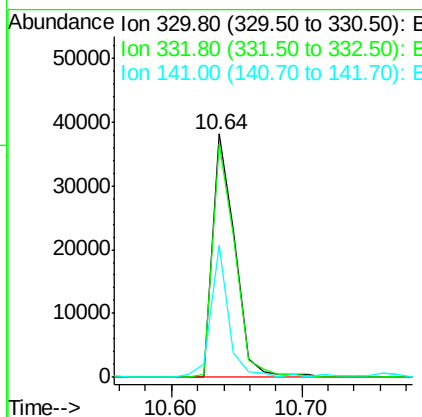
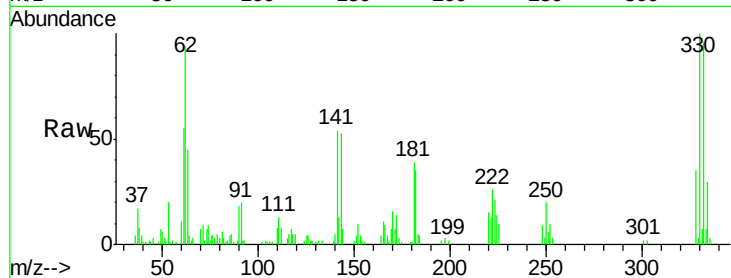
#41
 2,4,6-Tribromophenol
 Concen: 31.00 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	43.8	34.1	51.1

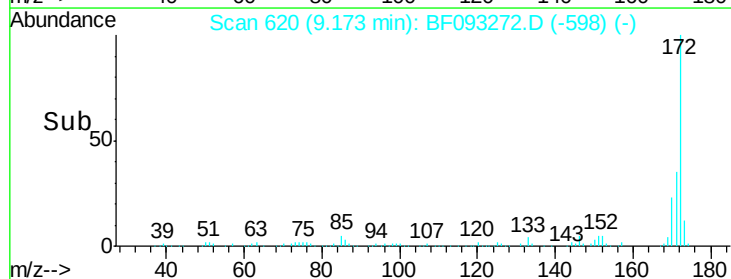
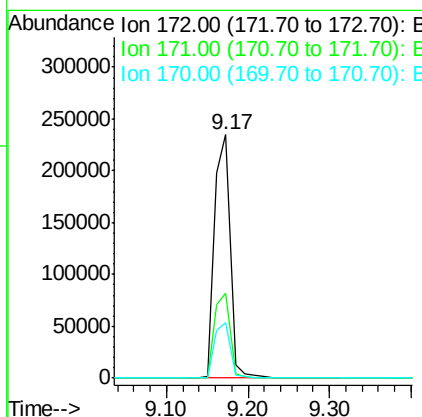
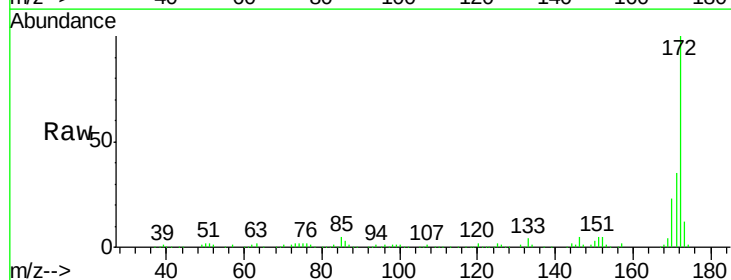
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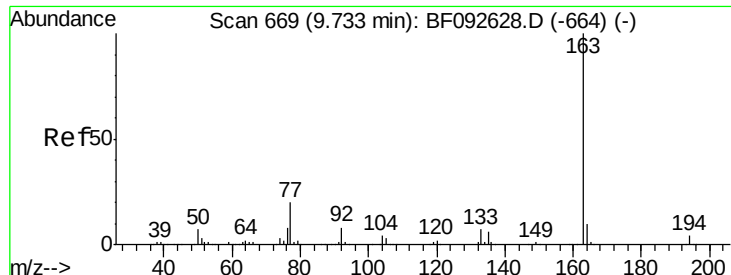
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#44
 2-Fluorobiphenyl
 Concen: 28.25 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.0
170	22.6	20.2	30.4





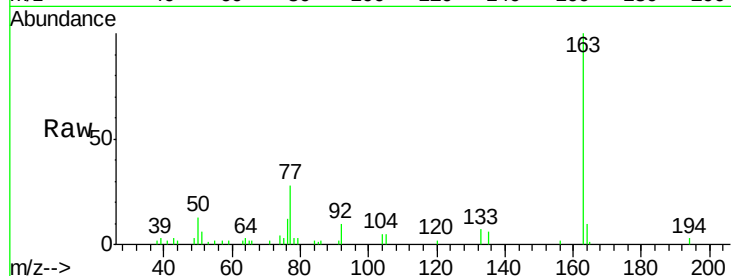
#49
Dimethylphthalate
Concen: 2.14 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	29209		
194	2.5	3.0	4.4#	
164	10.4	8.0	12.0	

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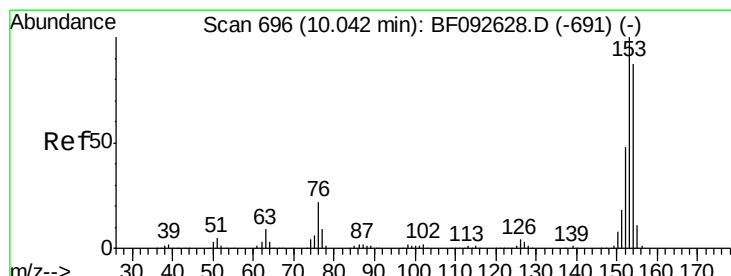
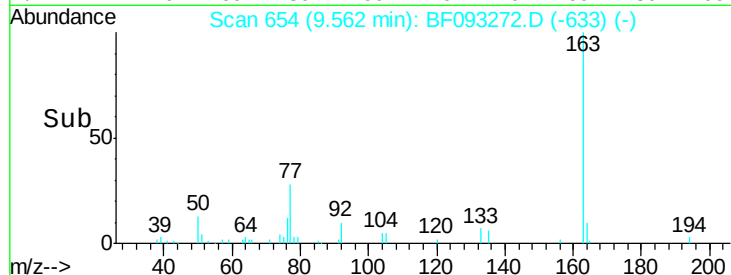
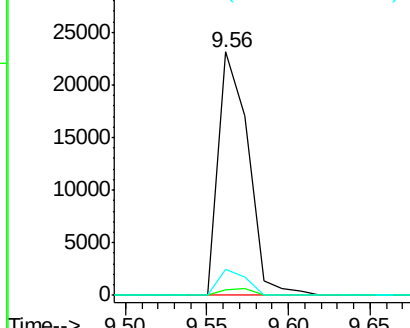


Abundance

Ion 163.00 (162.70 to 163.70): E

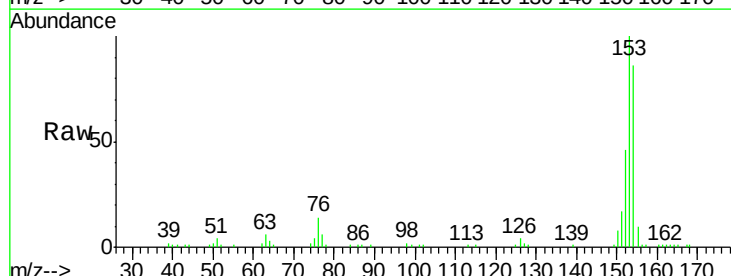
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 4.33 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	51269		
153	115.8	88.6	133.0	
152	53.6	41.6	62.4	

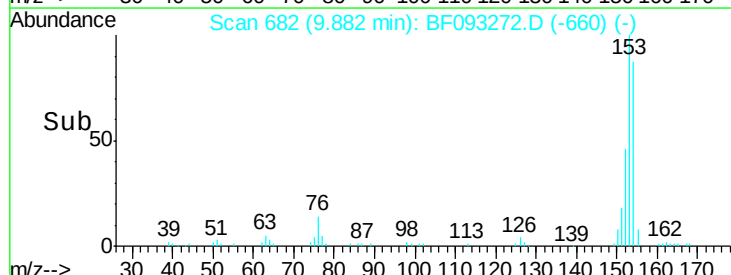
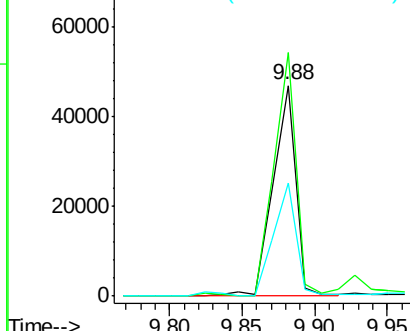


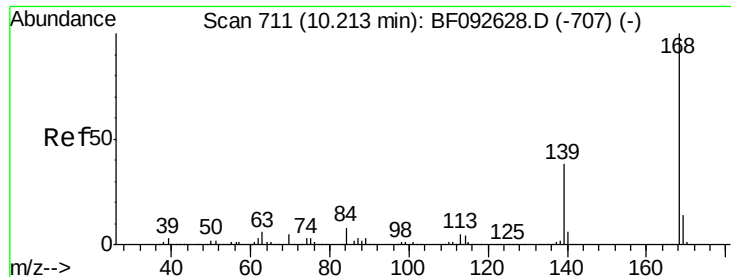
Abundance

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





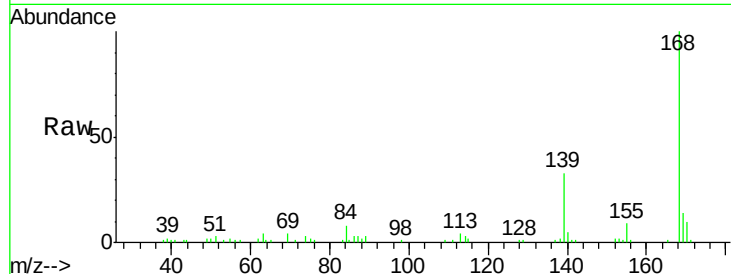
#54
Dibenzenofuran
Concen: 2.46 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Instrument :
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E2B21-BASE-3DL

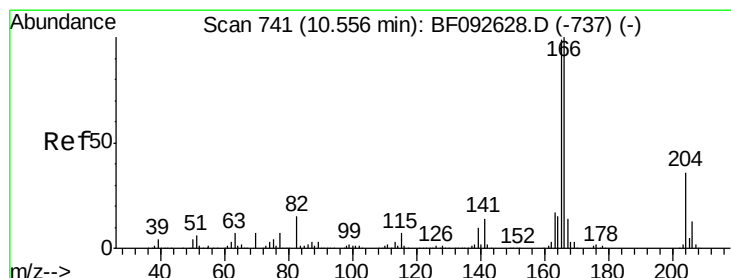
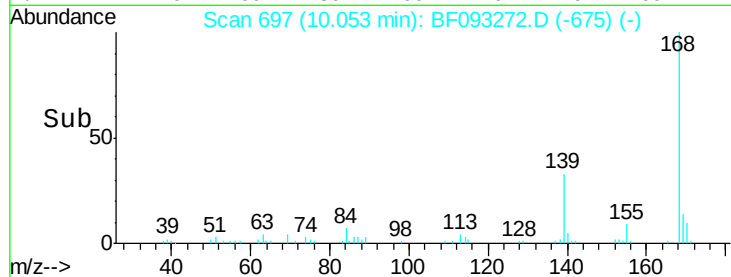
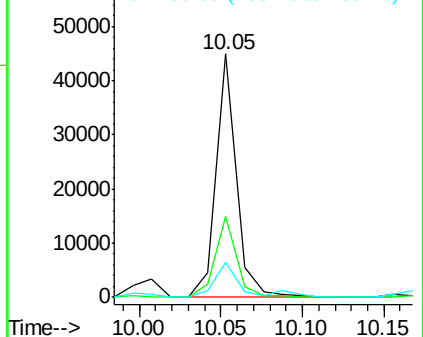
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	39033		
139	33.3	32.6	49.0	
169	14.4	11.3	16.9	

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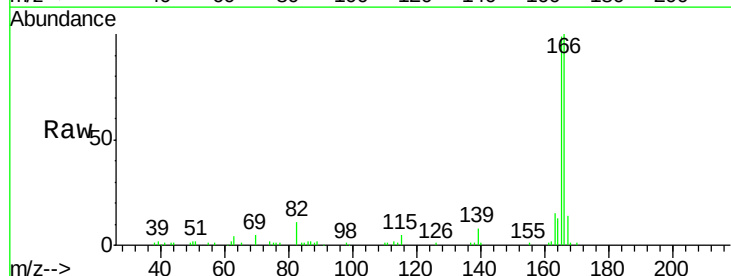


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

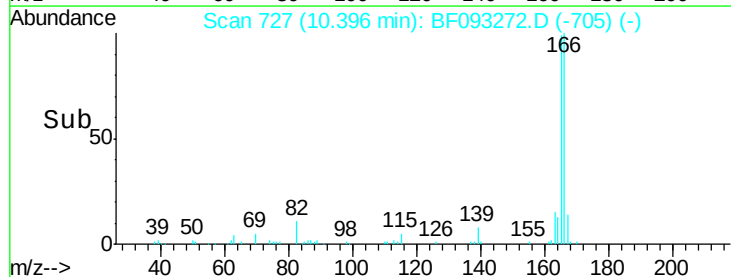
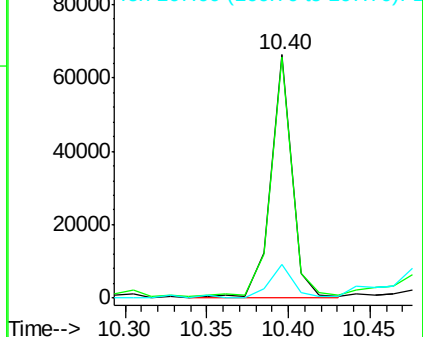


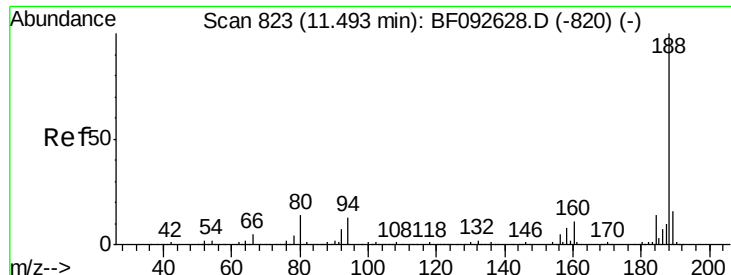
#57
Fluorene
Concen: 4.99 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	60791		
165	98.9	77.8	116.8	
167	14.0	10.8	16.2	



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





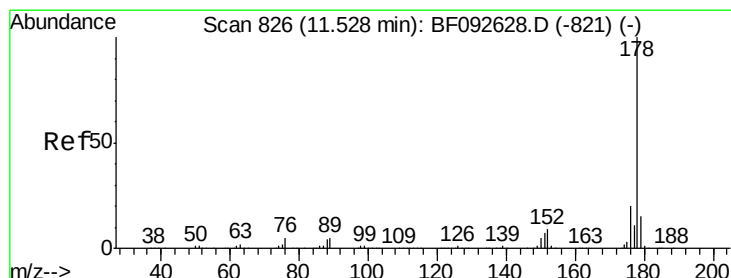
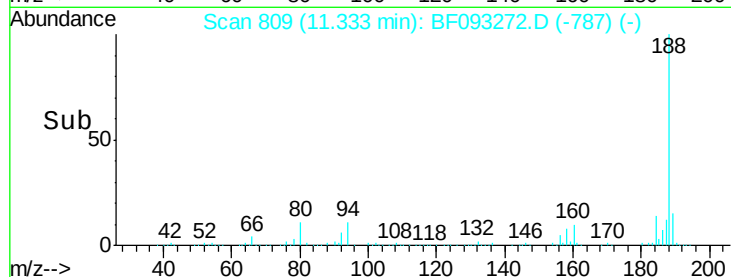
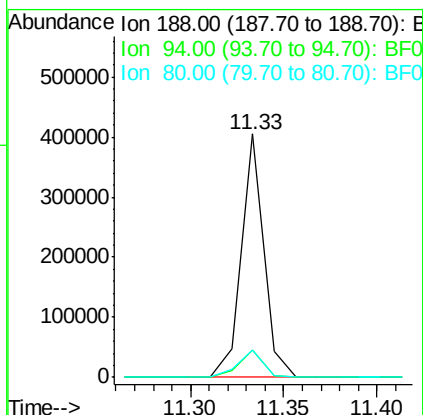
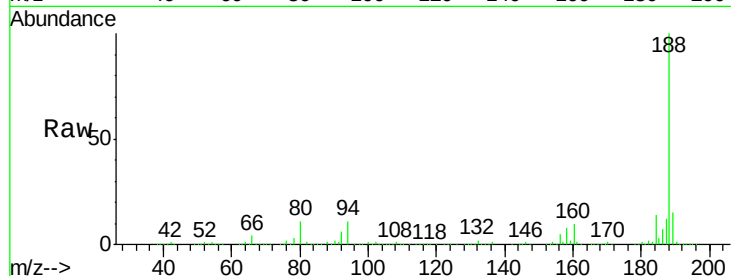
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	342647		
94	11.1	10.0	15.0	
80	11.4	11.2	16.8	

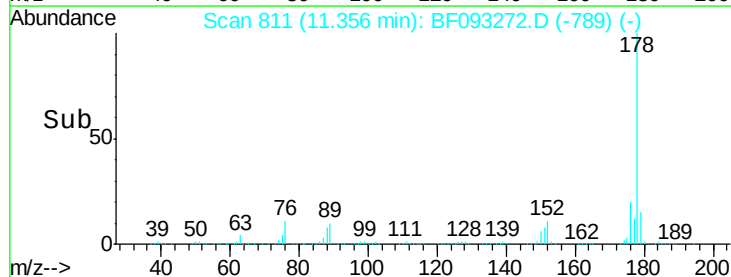
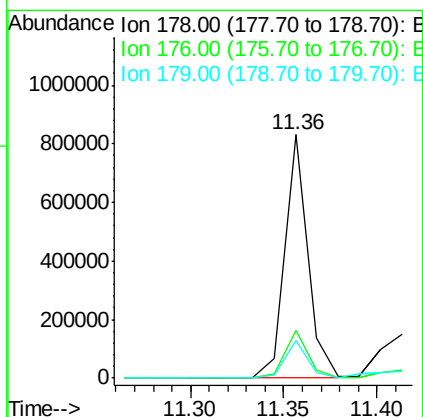
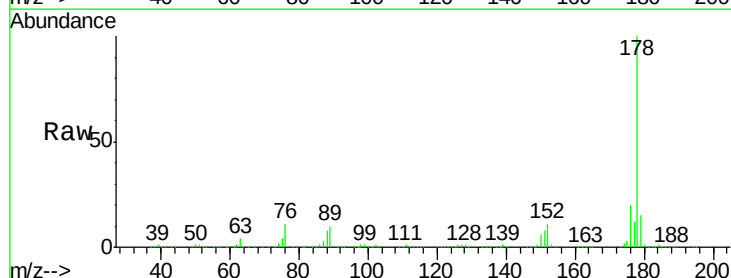
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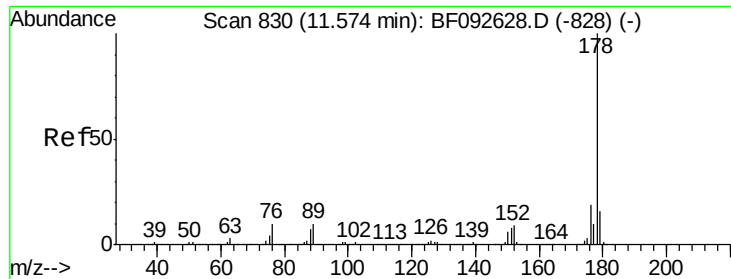
mohammad
3/1/2017 4:08:54 PM



#70
Phenanthrene
Concen: 36.42 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	715005		
176	19.8	16.6	25.0	
179	15.5	12.8	19.2	





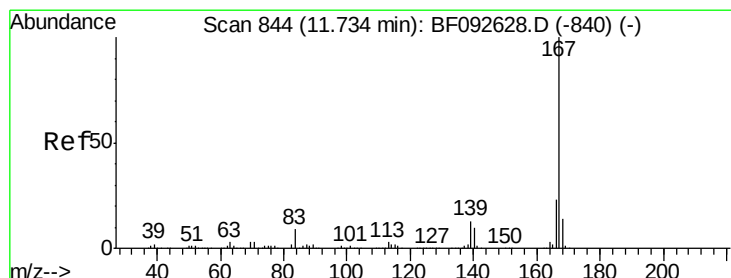
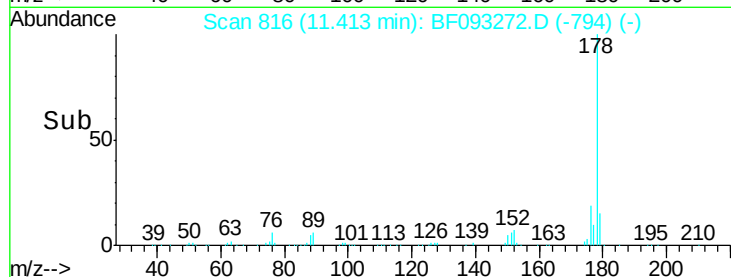
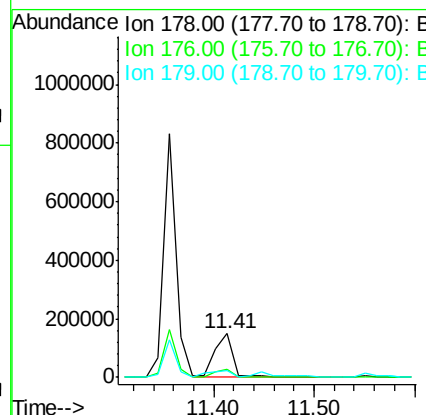
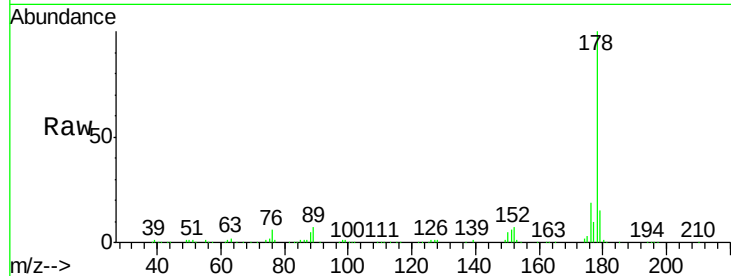
#71
 Anthracene
 Concen: 9.60 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	14.8	13.2	19.8

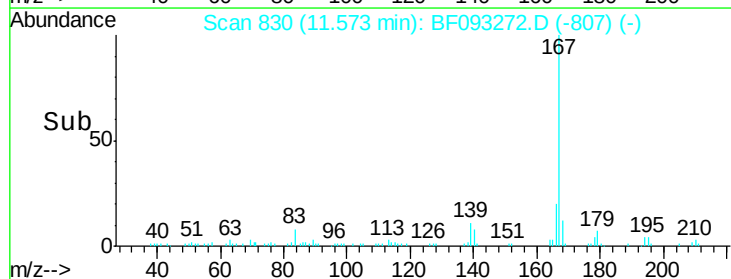
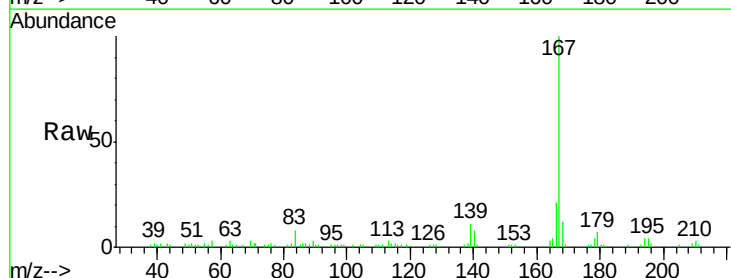
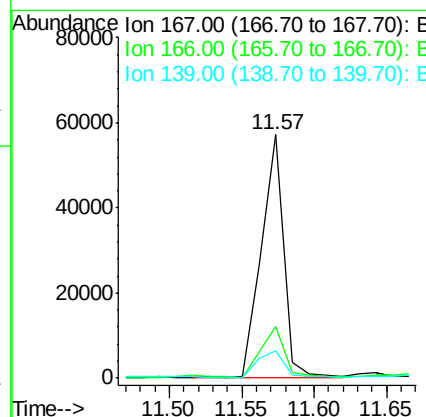
Manual Integrations
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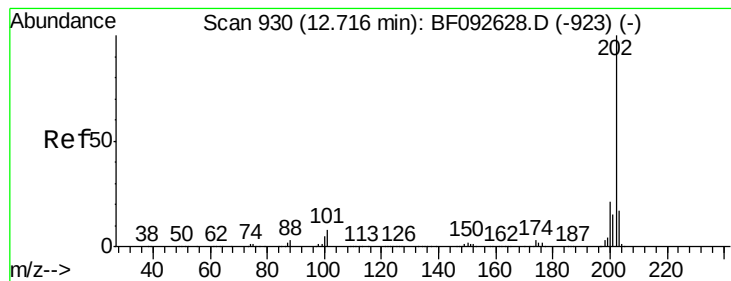
mohammad
 3/1/2017 4:08:54 PM



#72
 Carbazole
 Concen: 3.27 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.2	27.2
139	11.5	11.4	17.2





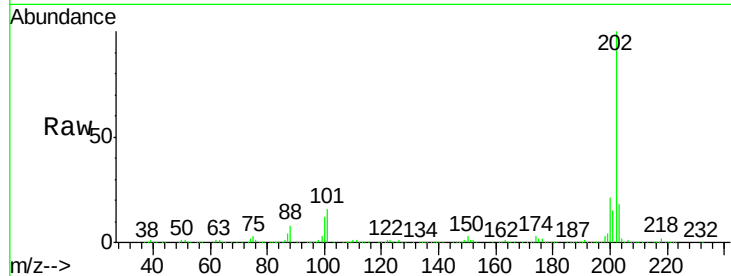
#74
 Fluoranthene
 Concen: 38.33 ng
 RT: 12.54 min Scan# 915
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-3DL

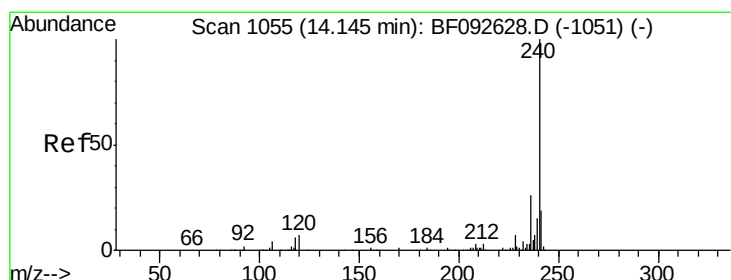
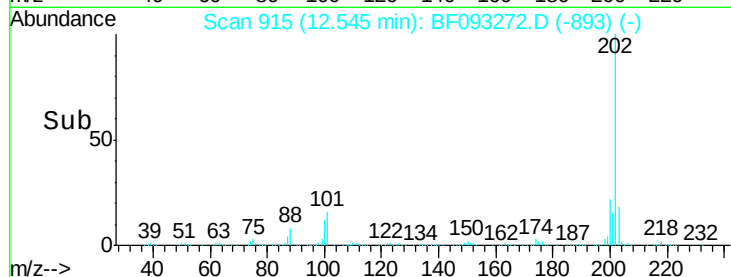
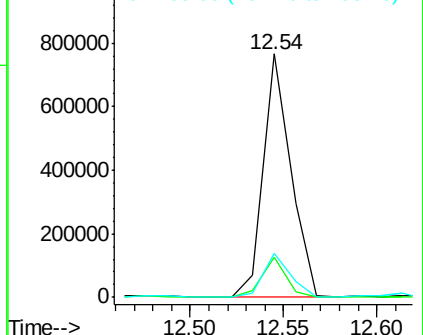
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.2	0.0	34.6
203	18.1	0.0	38.7

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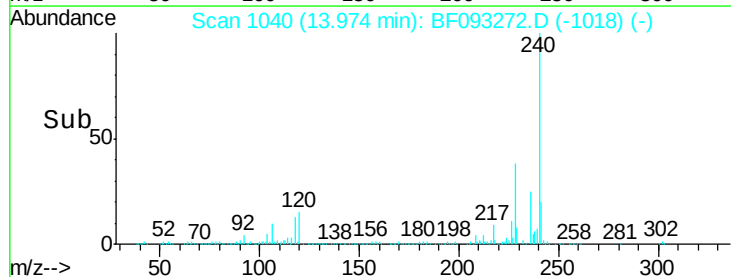
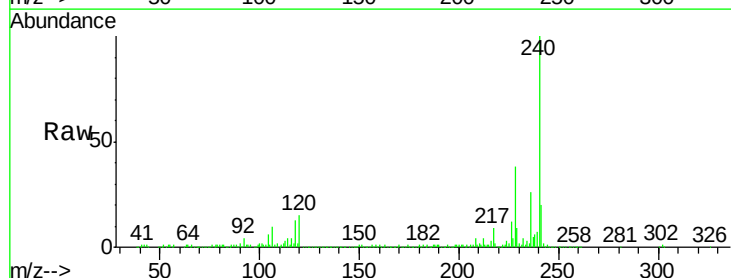
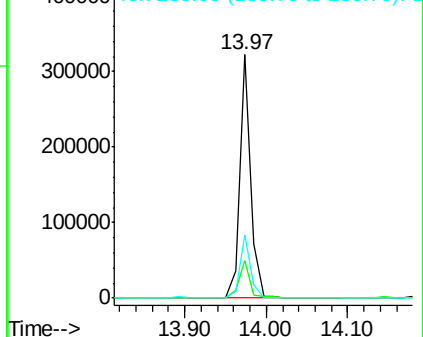
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

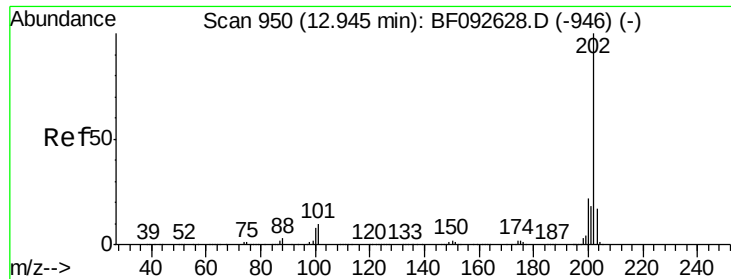


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.3	12.9	19.3
236	26.0	20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





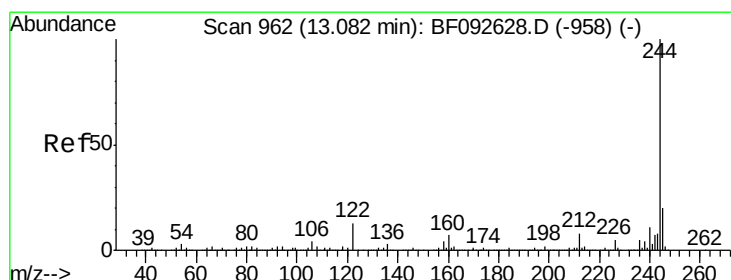
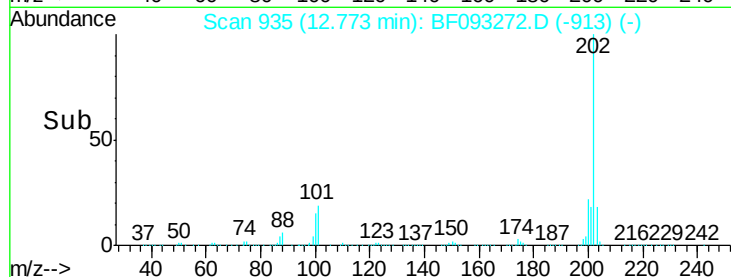
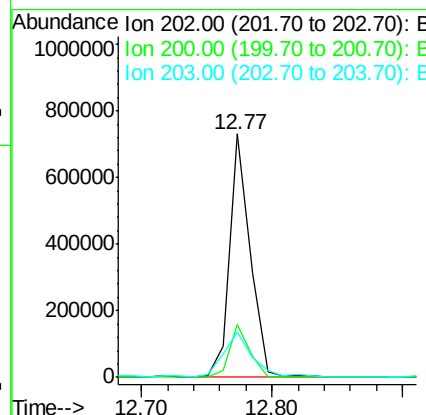
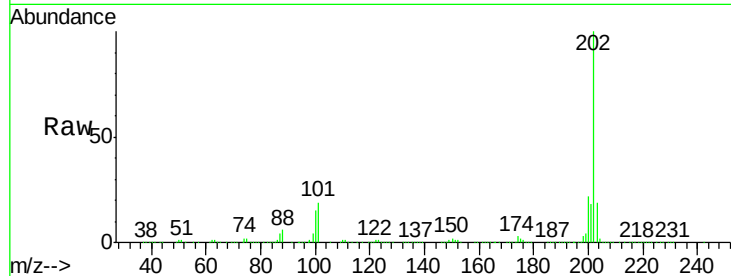
#77
 Pyrene
 Concen: 35.42 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-3DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	17.7	26.5
203	18.5	14.7	22.1

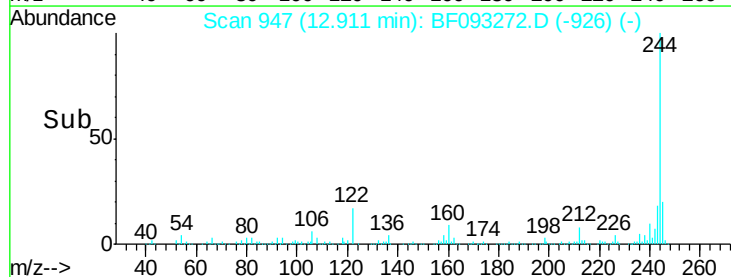
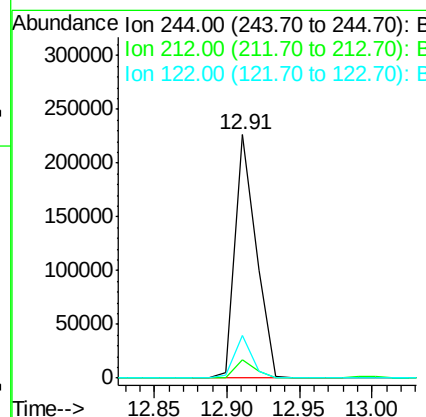
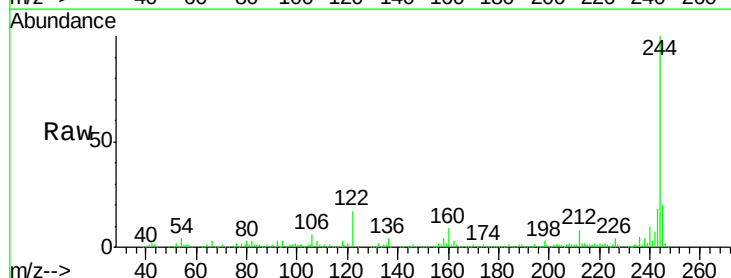
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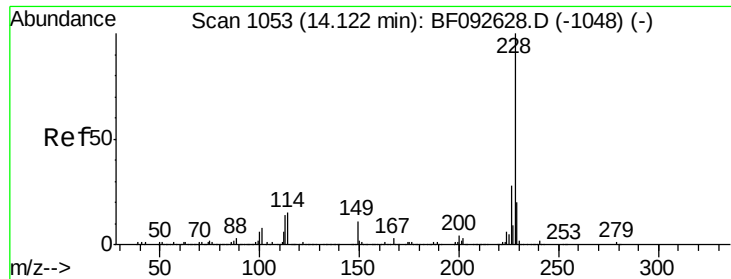
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#78
 Terphenyl-d14
 Concen: 17.93 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.6	6.2	9.2
122	17.4	11.4	17.2





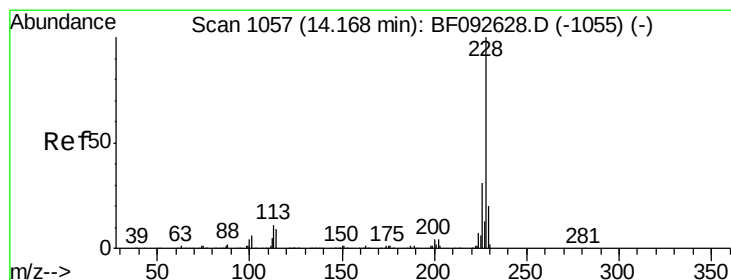
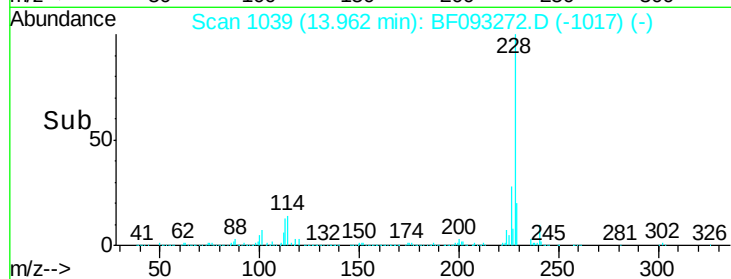
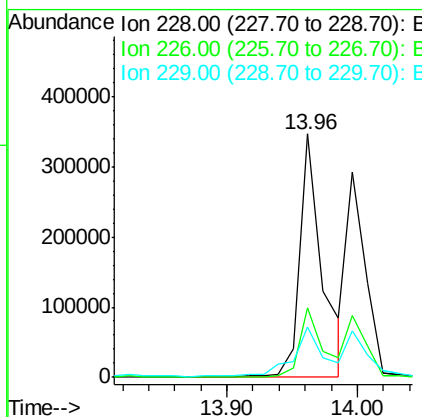
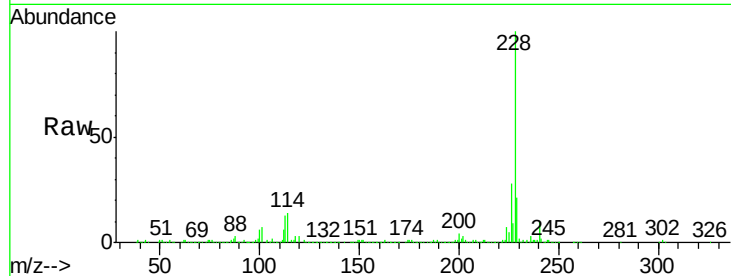
#80
Benzo(a)anthracene
Concen: 22.44 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.4	33.6
229	20.9	16.2	24.4

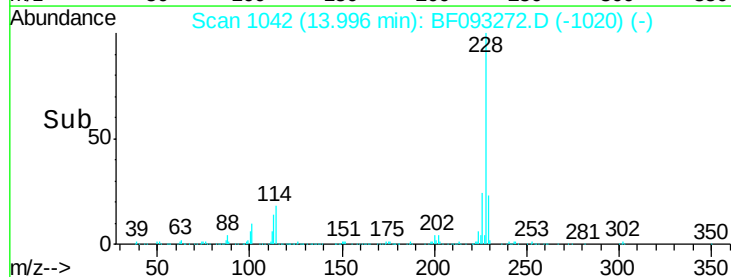
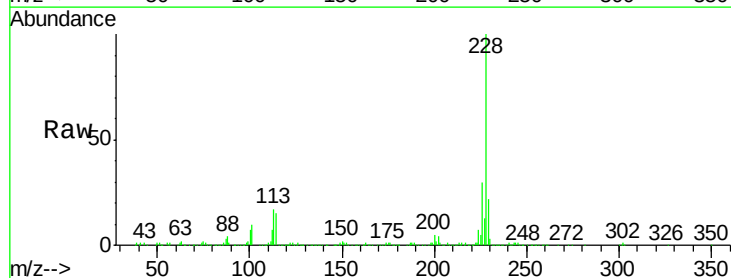
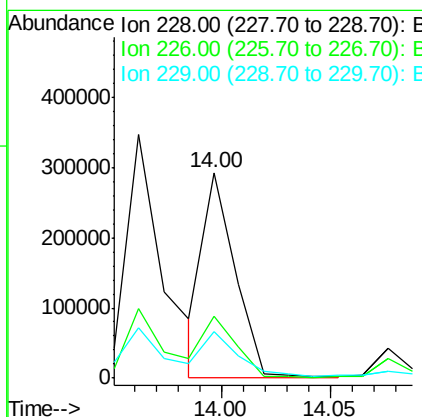
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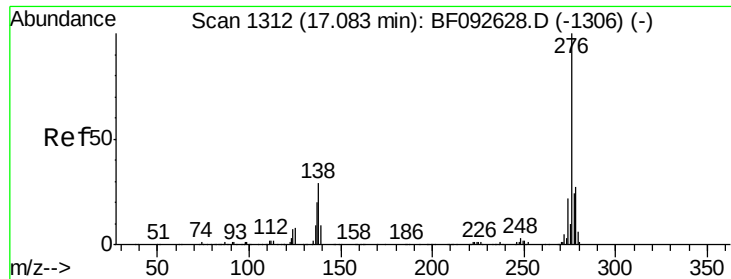
mohammad
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#82
Chrysene
Concen: 17.22 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	22.3	16.2	24.2





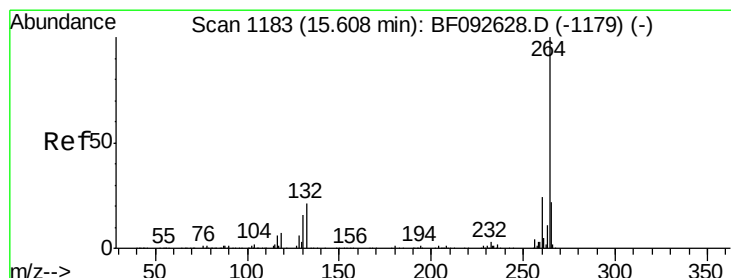
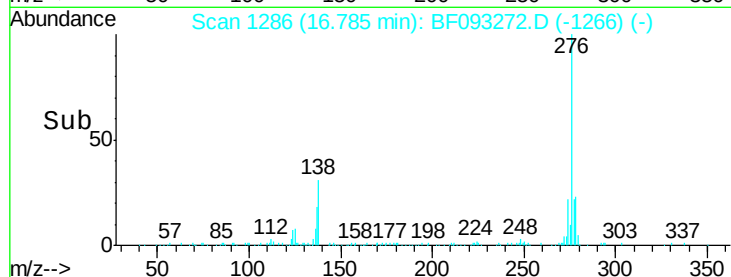
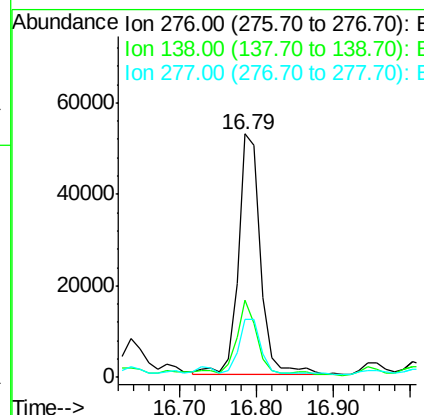
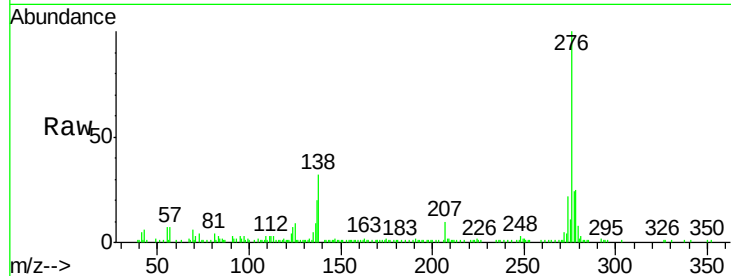
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.02 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. -0.07 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.8	32.6
277	22.2	20.2	30.4

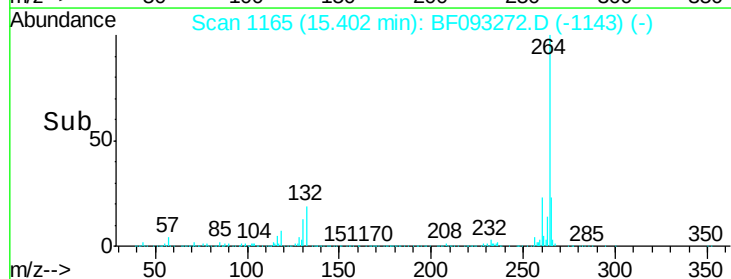
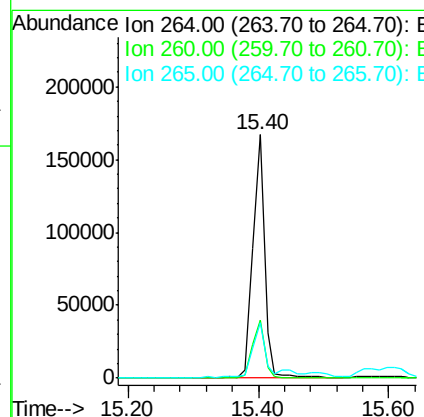
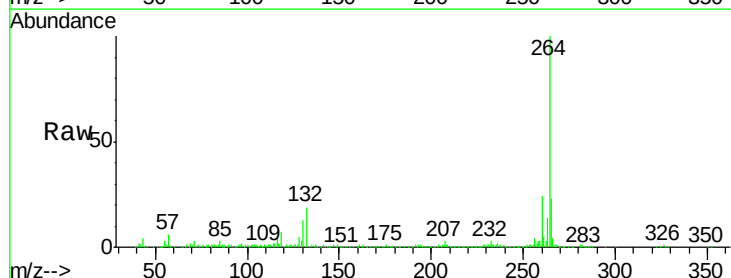
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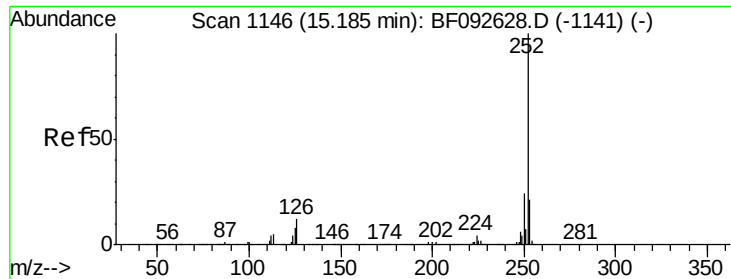
mohammad
 3/1/2017 4:08:54 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093272.D
 Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.4	26.0





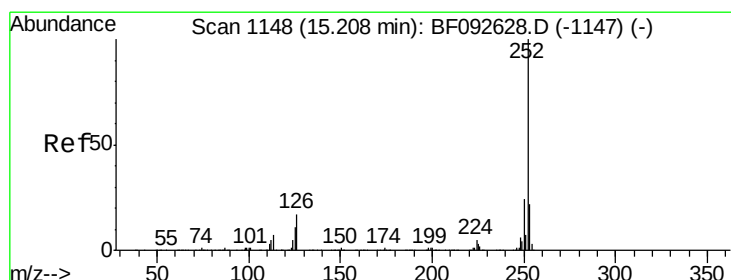
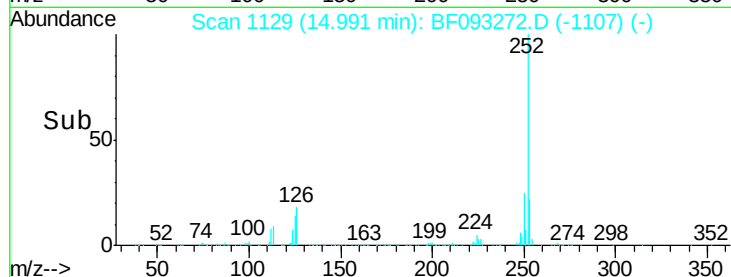
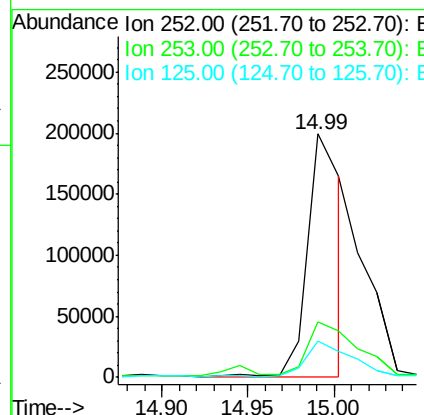
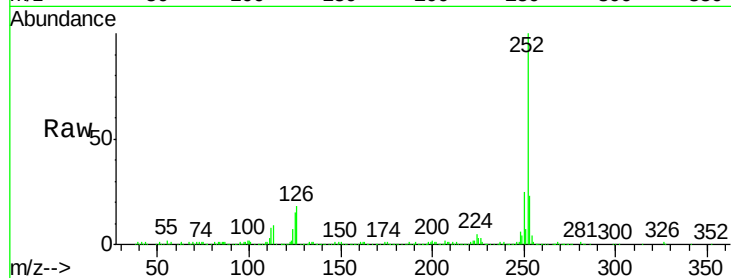
#87
Benzo(b)fluoranthene
Concen: 19.80 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.7	9.8	14.6

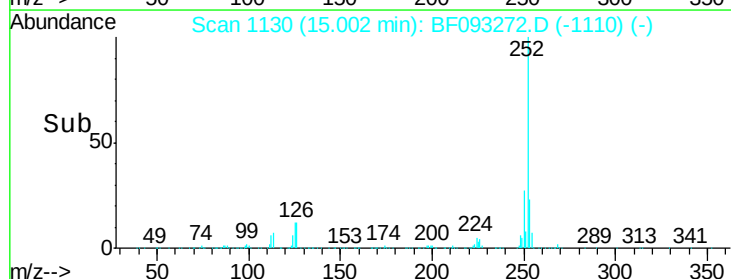
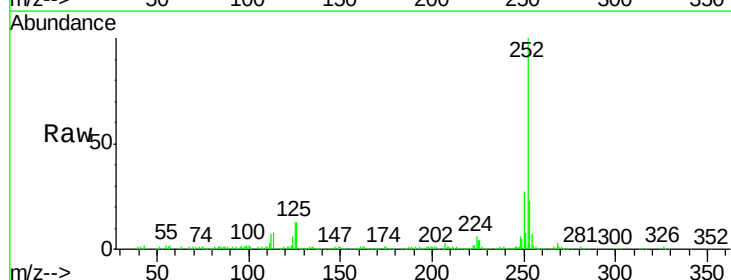
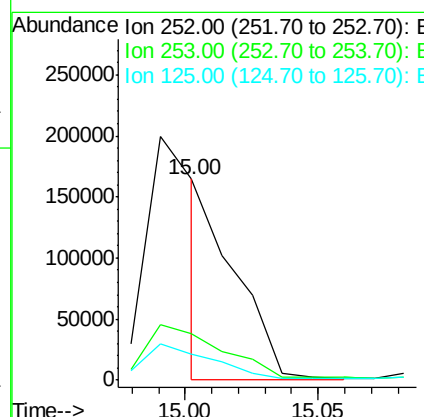
Manual Integrations
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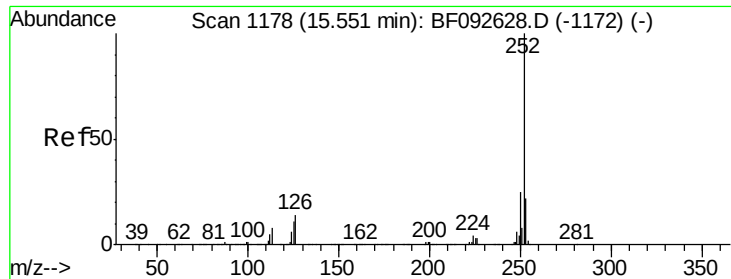
mohammad
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#88
Benzo(k)fluoranthene
Concen: 10.40 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	12.8	8.9	13.3





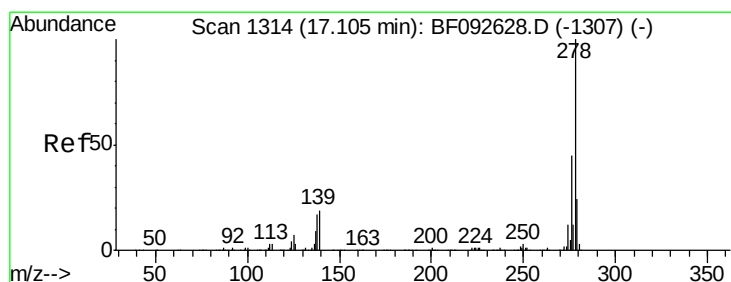
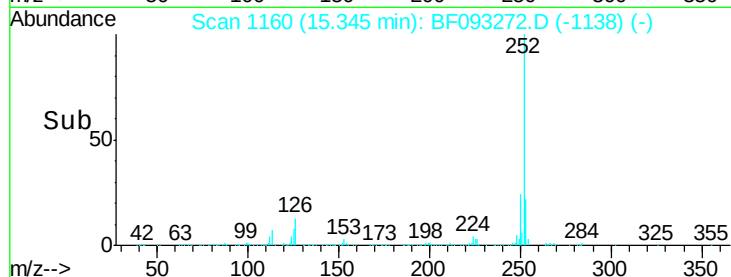
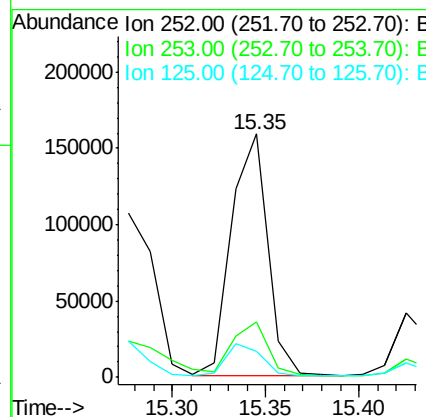
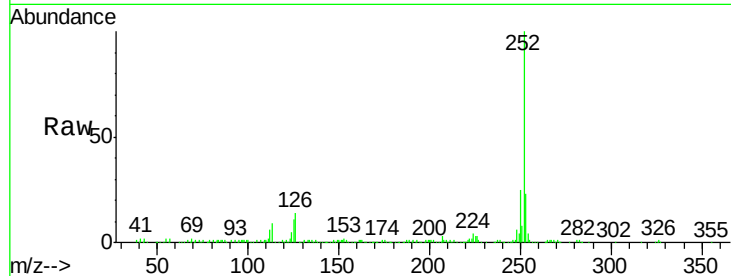
#89
Benzo(a)pyrene
Concen: 18.07 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.5	10.0	15.0

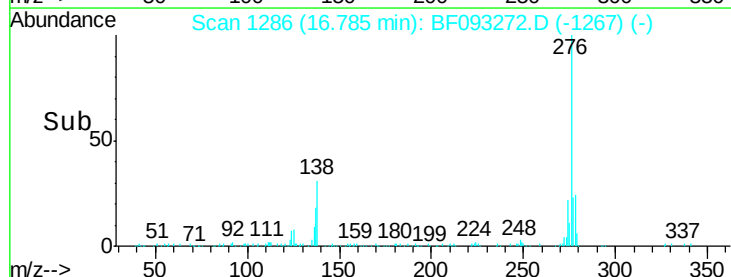
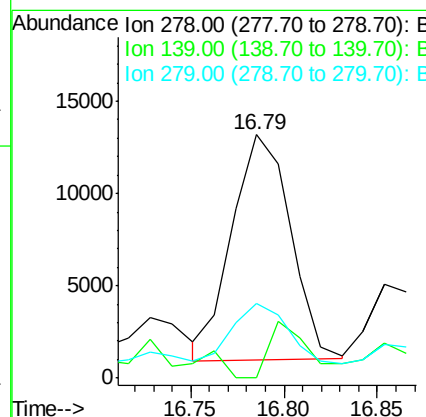
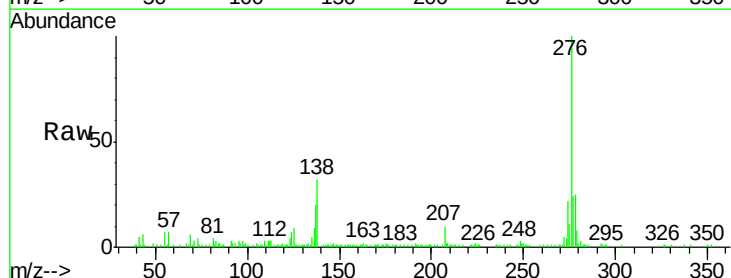
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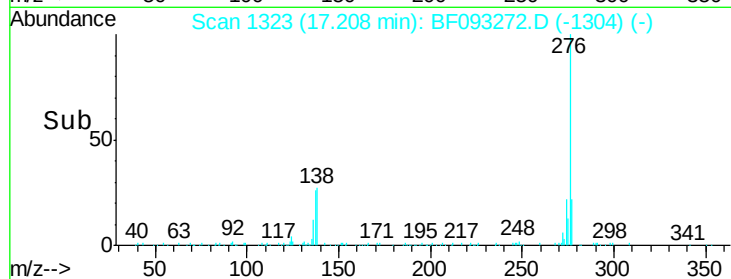
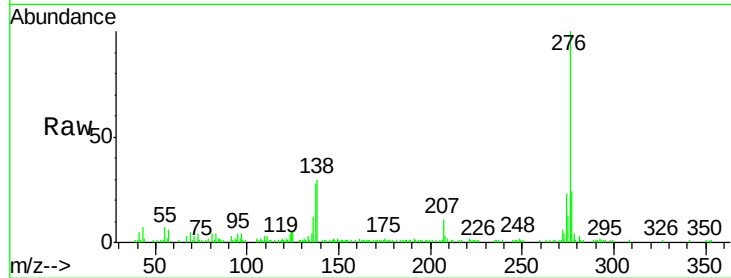
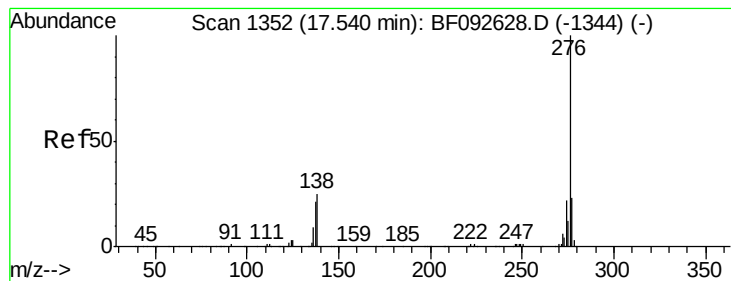
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.75 ng
RT: 16.79 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF093272.D
Acq: 1 Mar 2017 4:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	30.7	19.8	29.6#





#91

Benzo(g,h,i)perylene

Concen: 10.44 ng

RT: 17.21 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF093272.D

Acq: 1 Mar 2017 4:34

Instrument :

BNA_F

ClientSampleId :

E2B21-BASE-3DL

Tgt Ion:	276	Resp:	102217
Ion Ratio		Lower	Upper
276	100		
277	24.2	19.2	28.8
138	29.7	16.0	24.0#

Manual Integrations
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