

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096752.D
 Acq On : 14 Jul 2017 2:46
 Operator : SJ/JU
 Sample : I4166-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3

Manual Integrations
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Quant Time: Jul 14 13:38:46 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	107424	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	404137	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	143581	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	230226	20.00	ng	0.00
75) Chrysene-d12	13.79	240	157354	20.00	ng	0.02
86) Perylene-d12	15.17	264	135977	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	596720	83.52	ng	0.01
7) Phenol-d6	6.28	99	702971	81.99	ng	0.00
23) Nitrobenzene-d5	7.20	82	400467	61.38	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	98666	80.51	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	607344	66.83	ng	0.00
78) Terphenyl-d14	12.74	244	480332	52.94	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.29	94	22675	2.340	ng	99
48) Acenaphthylene	9.53	152	215472	14.914	ng	99
49) Dimethylphthalate	9.39	163	97725	9.039	ng	98
51) Acenaphthene	9.70	154	80911	9.480	ng	99
54) Dibenzofuran	9.87	168	36669	3.066	ng	# 95
57) Fluorene	10.22	166	104206	11.791	ng	95
70) Phenanthrene	11.18	178	1303542	104.132	ng	100
71) Anthracene	11.23	178	401825	31.748	ng	98
72) Carbazole	11.37	167	87491	7.138	ng	97
74) Fluoranthene	12.37	202	1969449	164.366	ng	98
77) Pyrene	12.60	202	2101937	147.187	ng	100
80) Benzo(a)anthracene	13.78	228	1173575	119.699	ng	97
82) Chrysene	13.82	228	1022219	105.908	ng	98
83) Bis(2-ethylhexyl)phthalate	13.78	149	17271m	2.090	ng	
85) Indeno(1,2,3-cd)pyrene	16.50	276	454170	48.985	ng	96
87) Benzo(b)fluoranthene	14.80	252	1153759m	140.686	ng	
88) Benzo(k)fluoranthene	14.82	252	293143m	37.748	ng	
89) Benzo(a)pyrene	15.13	252	741722	98.610	ng	97
90) Dibenzo(a,h)anthracene	16.50	278	119385m	17.249	ng	
91) Benzo(g,h,i)perylene	16.90	276	415317	56.037	ng	98

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

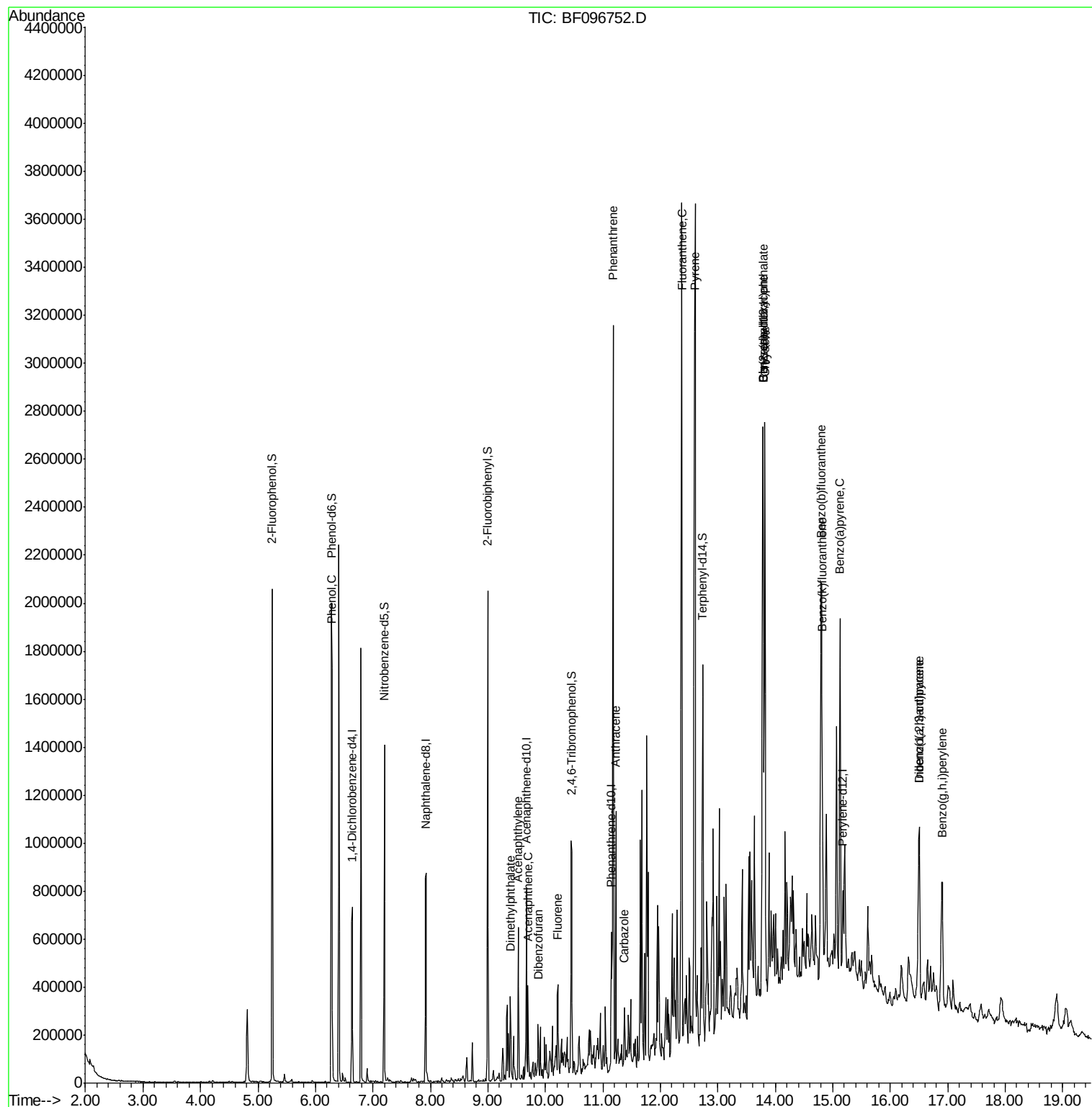
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096752.D
Acq On : 14 Jul 2017 2:46
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Sample : I4166-01
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ALS Vial : 32 Sample Multiplier: 1

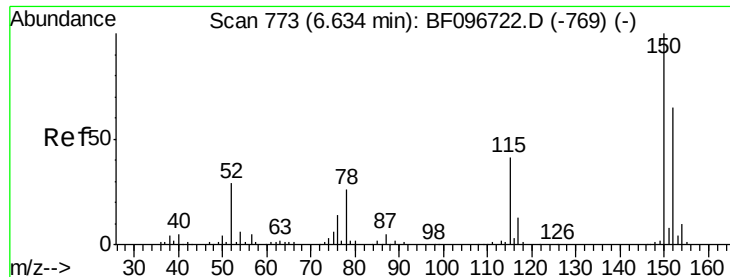
Instrument :
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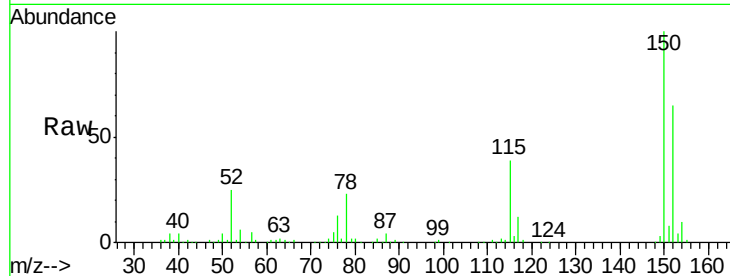
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	107424		
150	154.1	126.2	189.2	
115	59.9	52.2	78.2	

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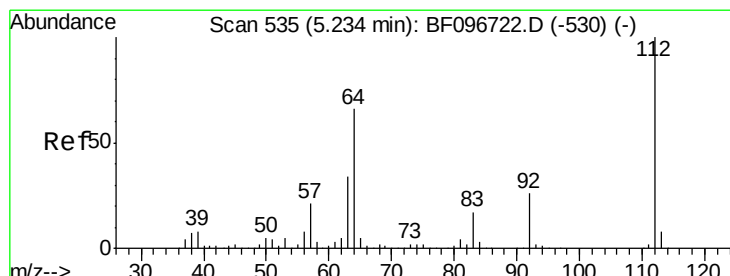
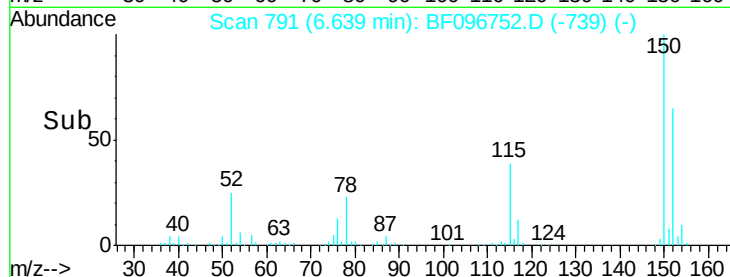
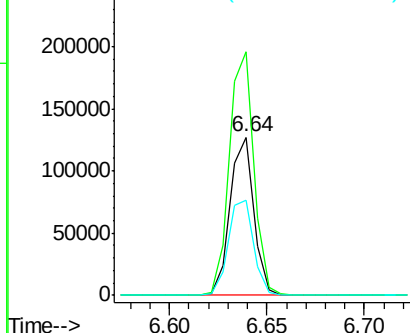


Abundance

Ion 152.00 (151.70 to 152.70): E

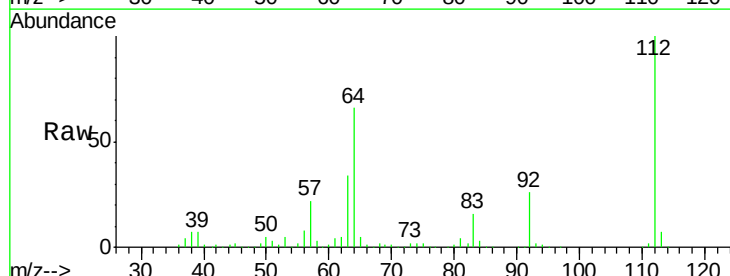
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
2-Fluorophenol
Concen: 83.521 ng
RT: 5.25 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	596720		
64	66.3	46.0	69.0	
63	34.1	23.4	35.0	

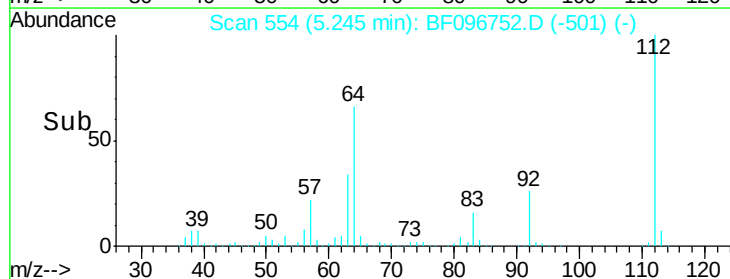
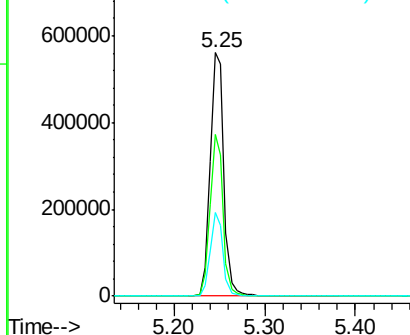


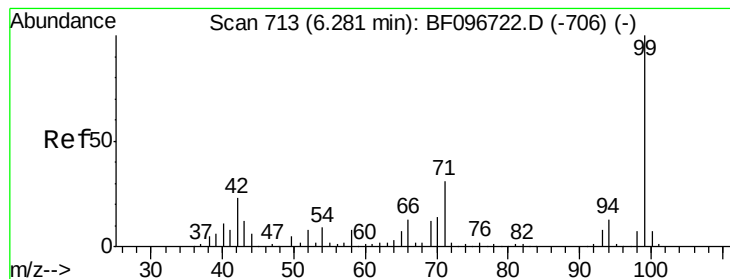
Abundance

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: 81.992 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA_F

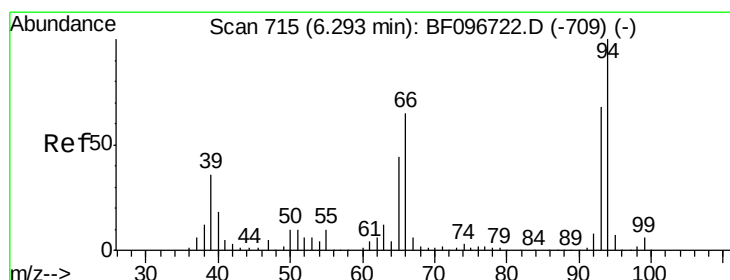
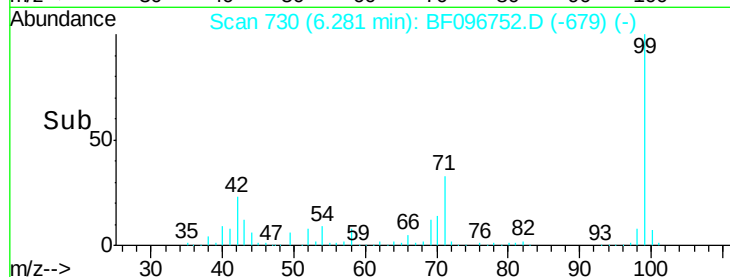
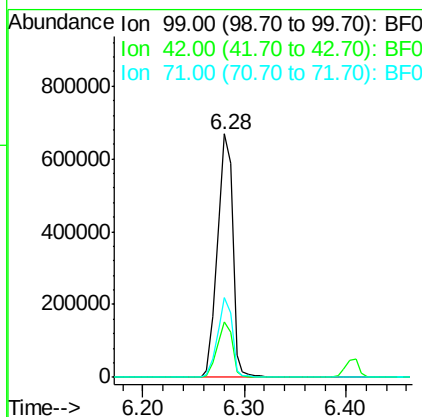
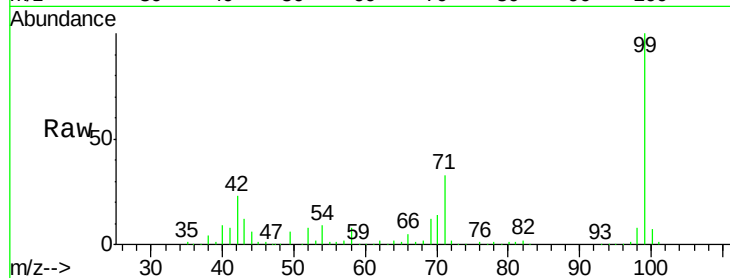
ClientSampleId :

COMP-1-2-3

Tgt Ion:	99	Resp:	702971
Ion Ratio	Lower	Upper	
99	100		
42	22.9	13.5	20.3#
71	32.7	24.5	36.7

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#10

Phenol

Concen: 2.340 ng

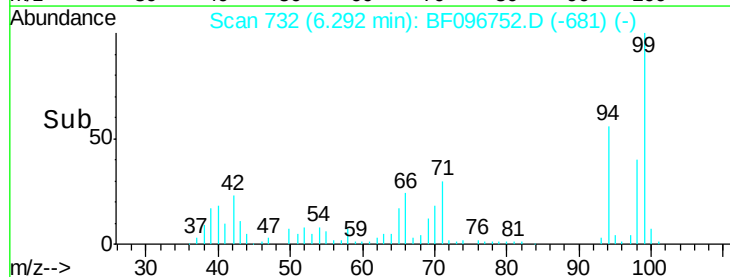
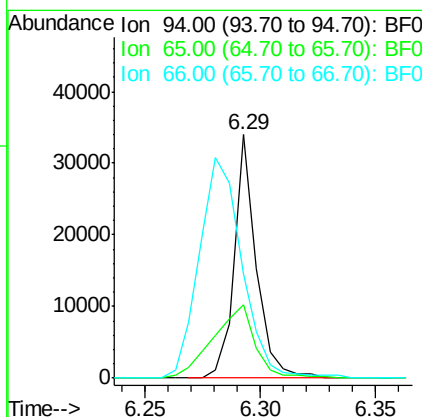
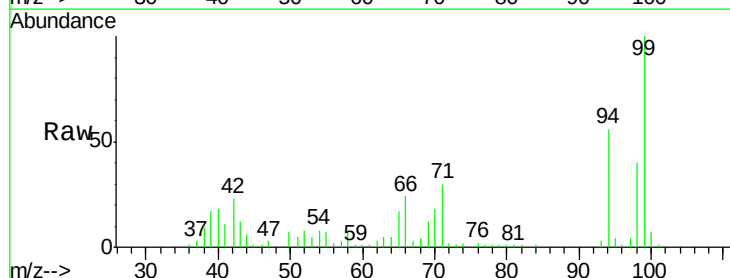
RT: 6.29 min Scan# 732

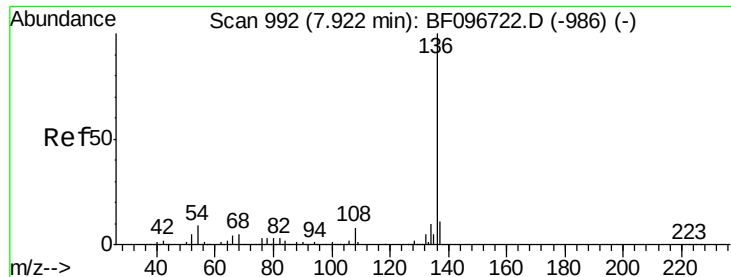
Delta R.T. -0.00 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Tgt Ion:	94	Resp:	22675
Ion Ratio	Lower	Upper	
94	100		
65	30.2	9.9	49.9
66	42.6	23.1	63.1





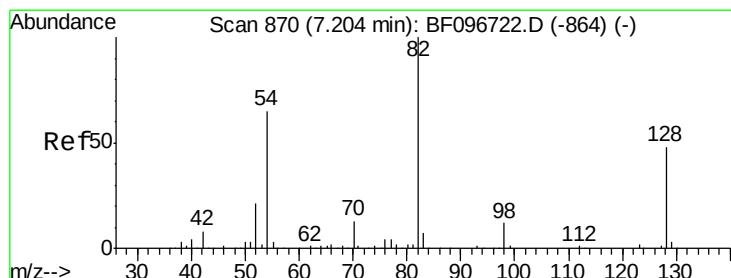
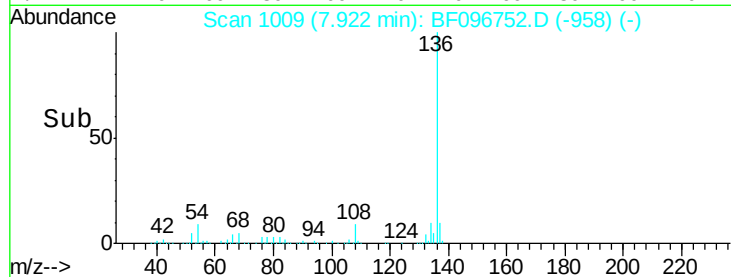
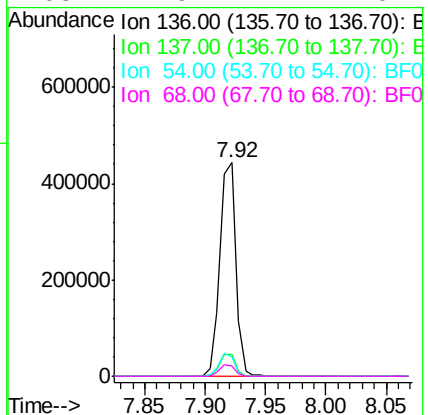
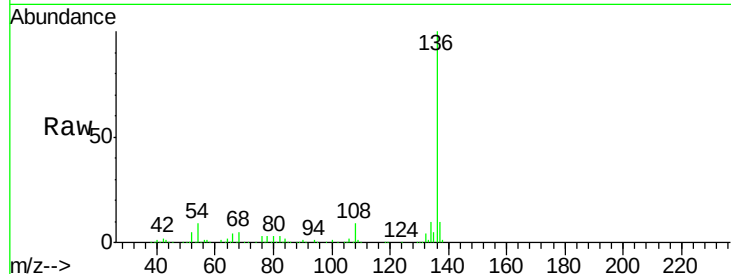
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.92 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.3	8.5	12.7
54	9.1	4.9	7.3#
68	4.9	4.1	6.1

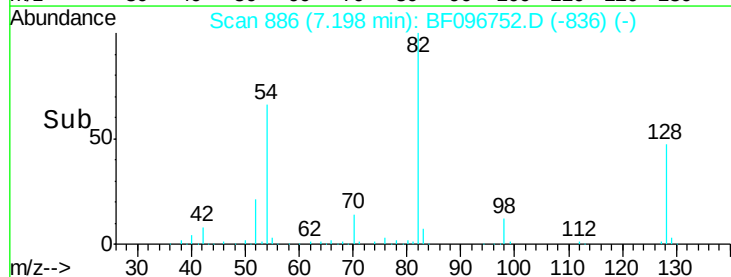
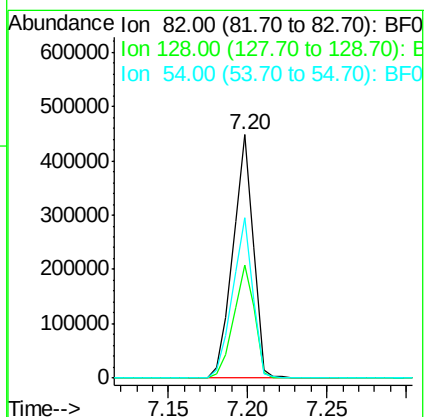
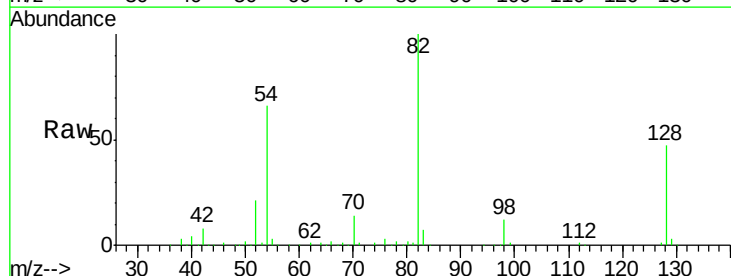
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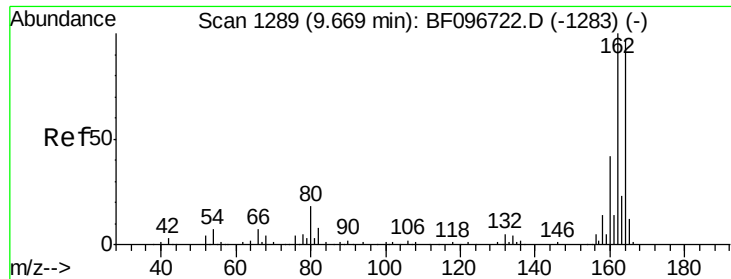
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#23
Nitrobenzene-d5
Concen: 61.378 ng
RT: 7.20 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.6	34.0	51.0
54	65.8	42.2	63.2#





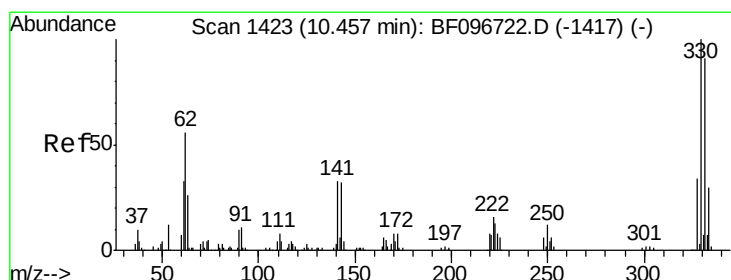
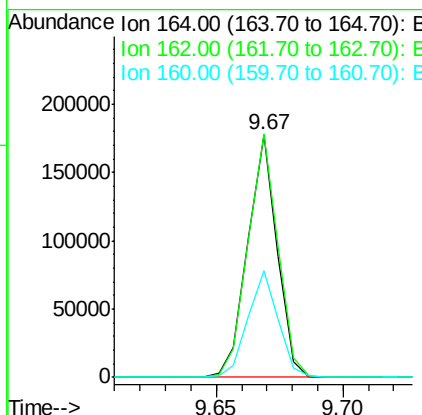
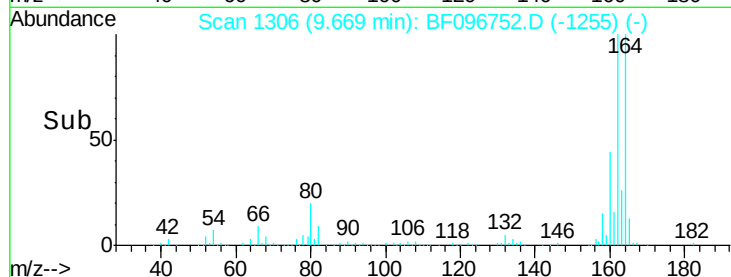
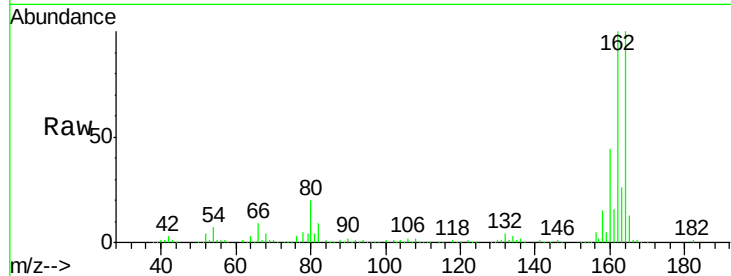
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143581		
162	100.4	82.6	123.8	
160	44.0	36.2	54.2	

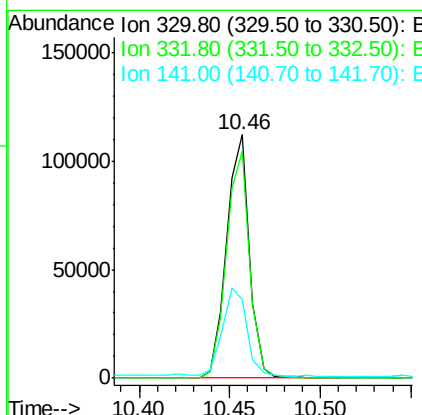
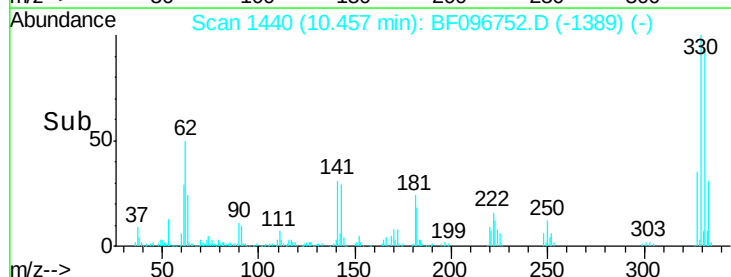
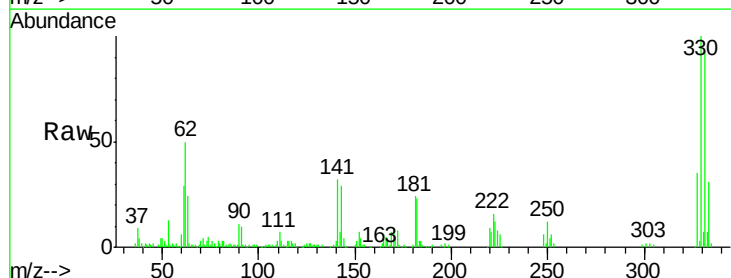
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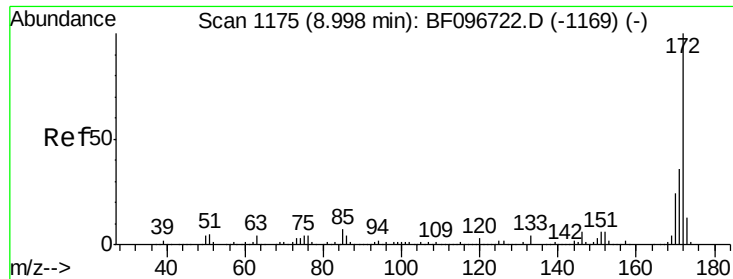
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#41
 2,4,6-Tribromophenol
 Concen: 80.505 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	98666		
332	94.4	76.6	115.0	
141	38.7	31.4	47.2	





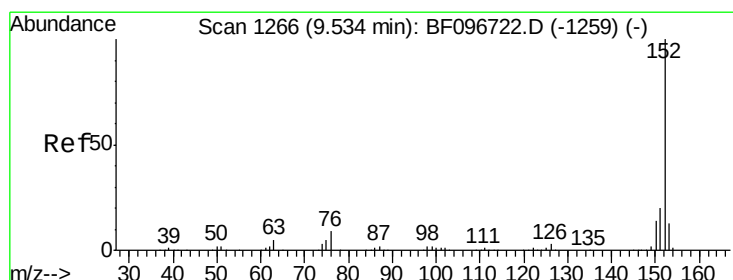
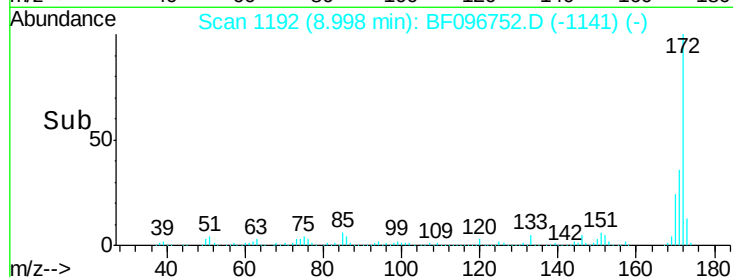
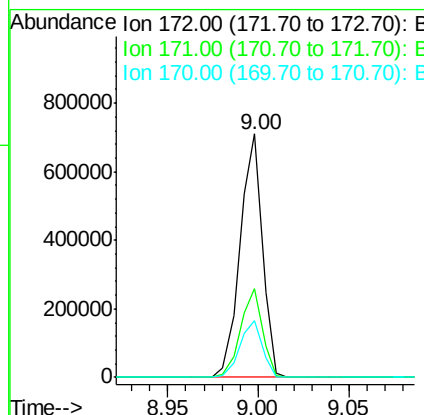
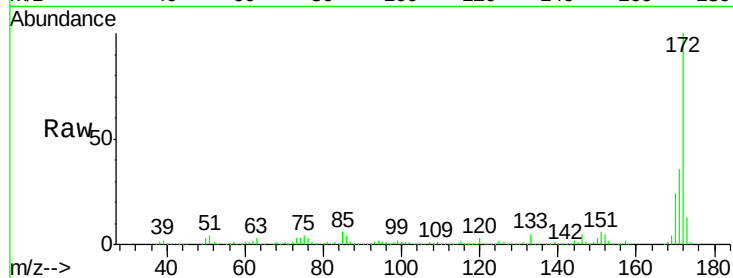
#44
2-Fluorobiphenyl
Concen: 66.830 ng
RT: 9.00 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.5	29.6	44.4
170	23.5	19.8	29.8

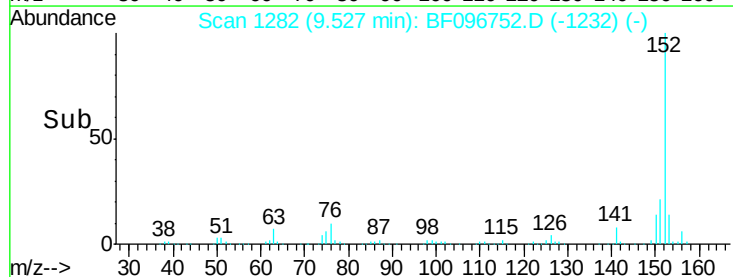
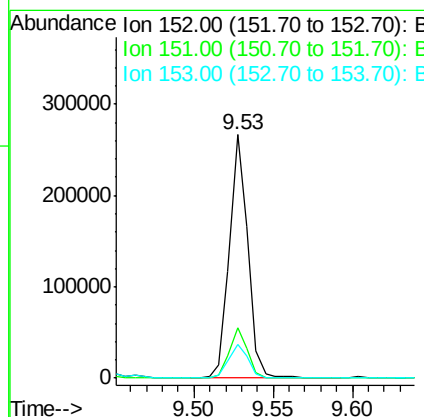
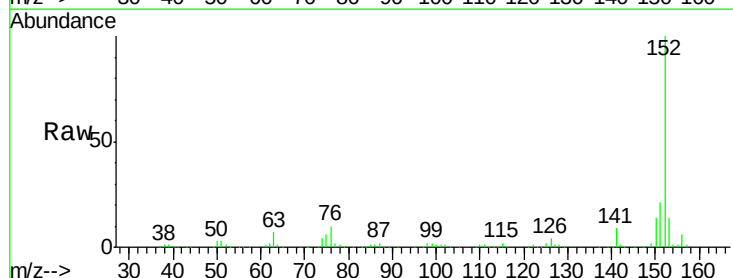
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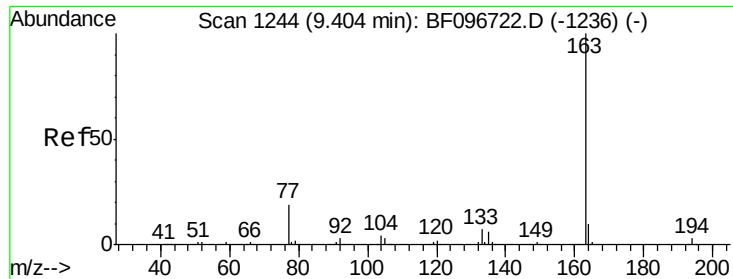
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#48
Acenaphthylene
Concen: 14.914 ng
RT: 9.53 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.6	16.8	25.2
153	13.8	10.8	16.2





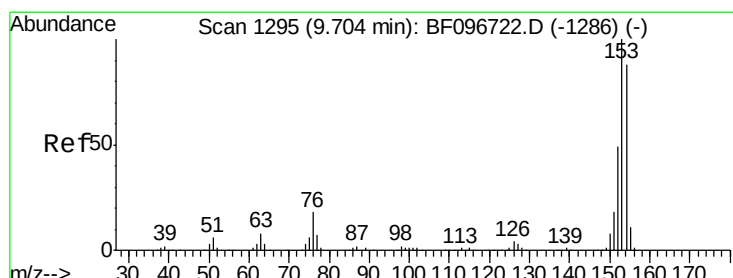
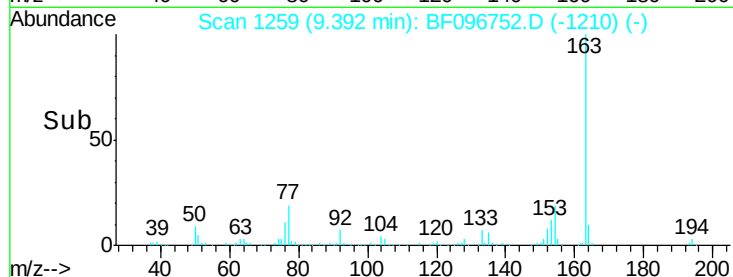
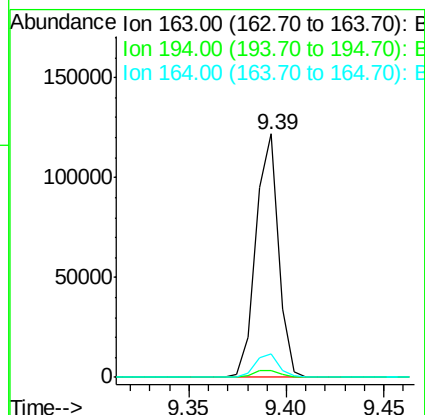
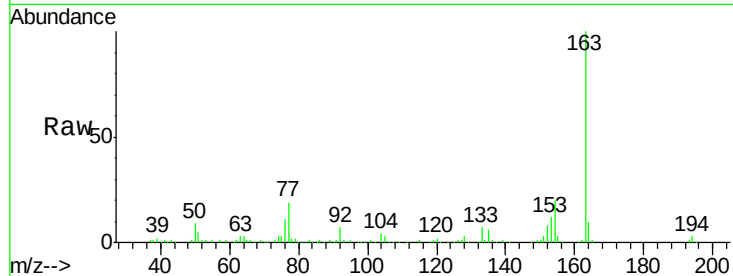
#49
Dimethylphthalate
Concen: 9.039 ng
RT: 9.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.6	8.4	12.6

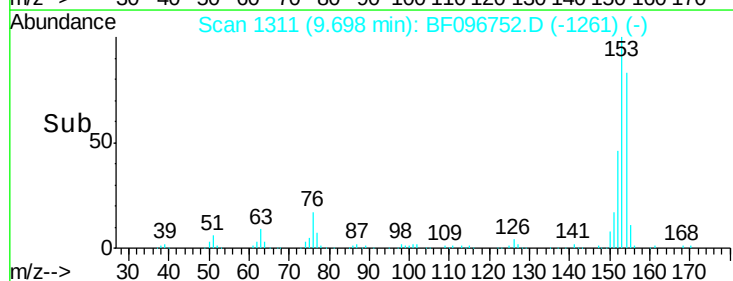
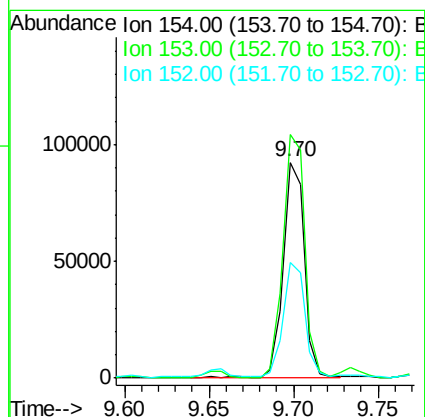
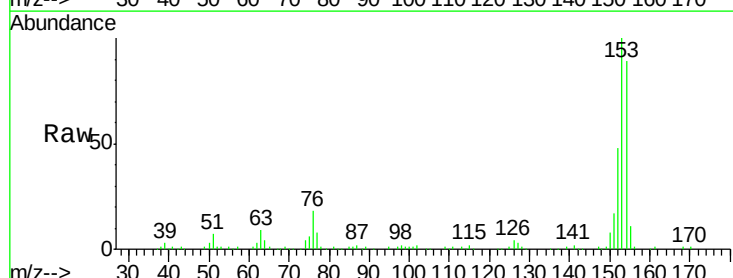
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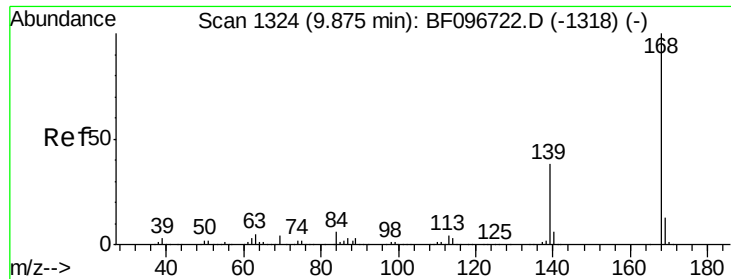
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#51
Acenaphthene
Concen: 9.480 ng
RT: 9.70 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.8	90.5	135.7
152	53.7	43.6	65.4





#54

Dibenzenofuran

Concen: 3.066 ng

RT: 9.87 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA_F

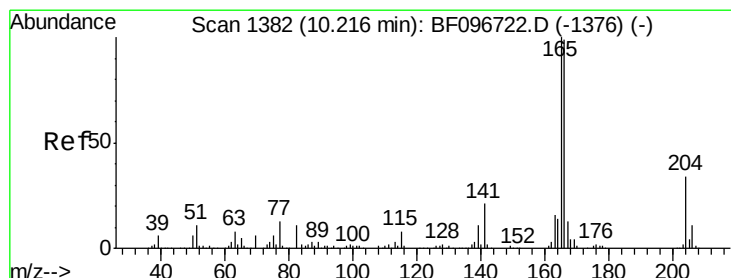
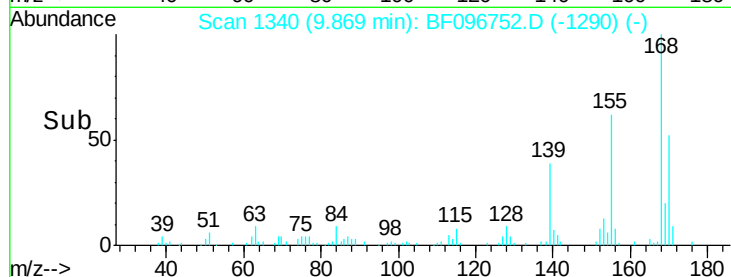
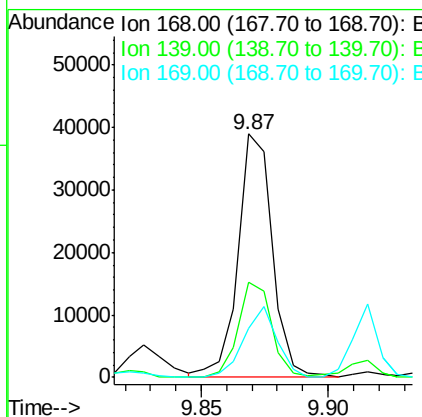
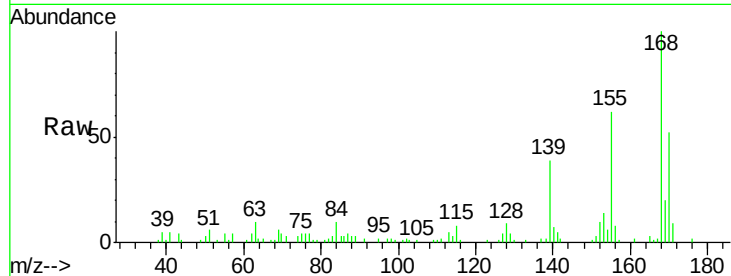
ClientSampleId :

COMP-1-2-3

Tgt Ion:	168	Resp:	36669
Ion Ratio	Lower	Upper	
168	100		
139	39.1	30.6	45.8
169	20.0	10.8	16.2#

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#57

Fluorene

Concen: 11.791 ng

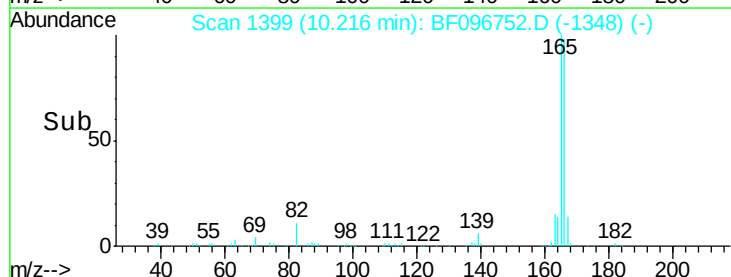
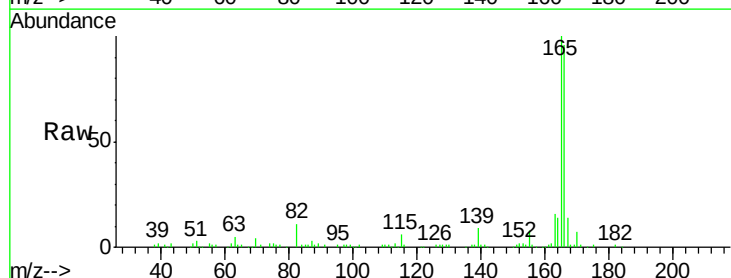
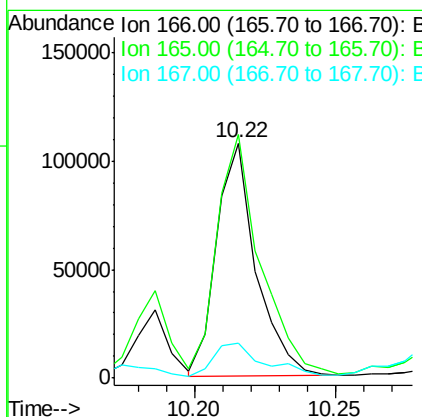
RT: 10.22 min Scan# 1399

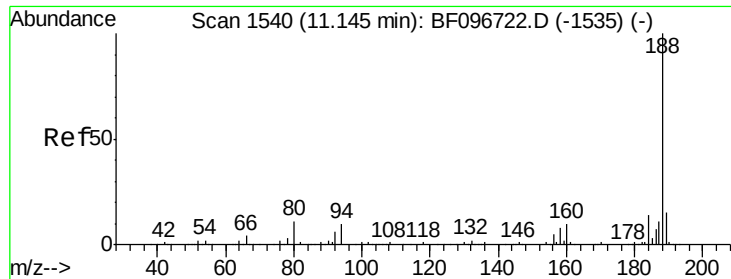
Delta R.T. 0.00 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Tgt Ion:	166	Resp:	104206
Ion Ratio	Lower	Upper	
166	100		
165	103.7	78.8	118.2
167	15.0	10.6	16.0





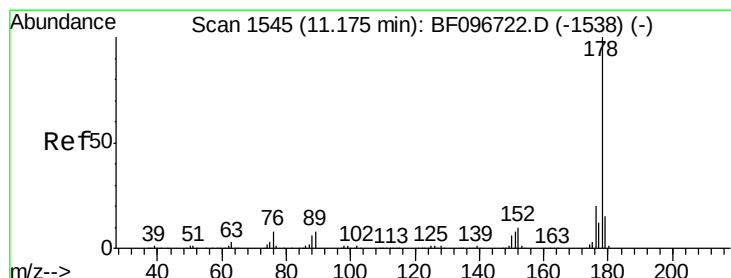
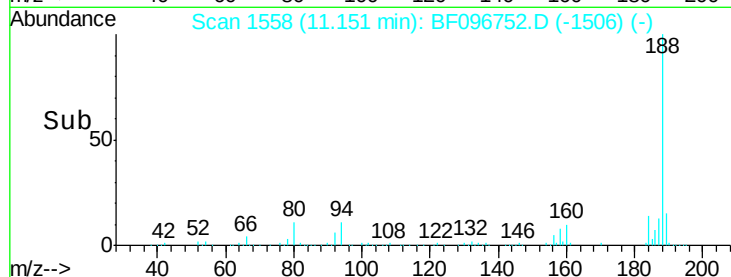
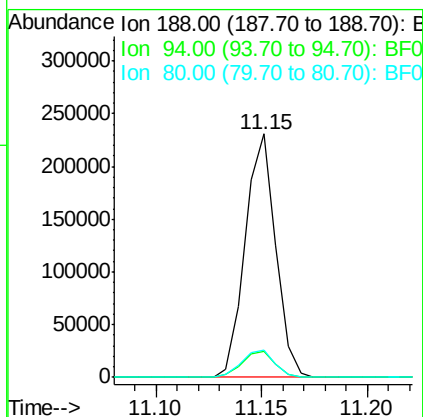
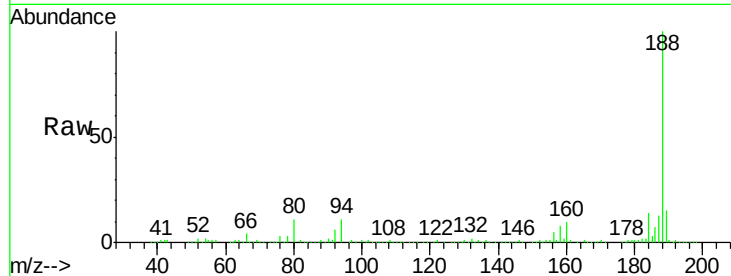
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.9	9.4	14.2
80	11.0	10.2	15.2

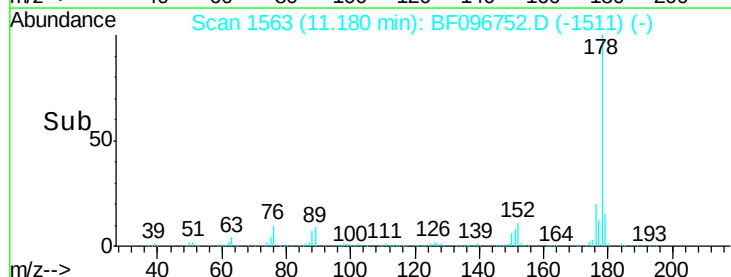
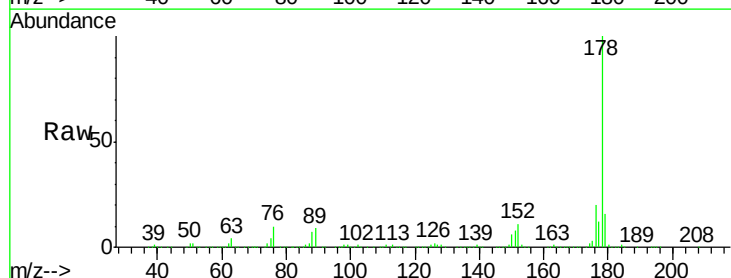
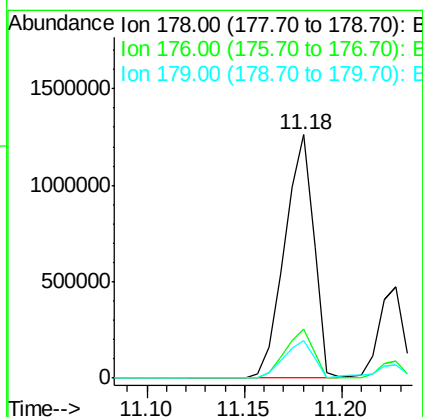
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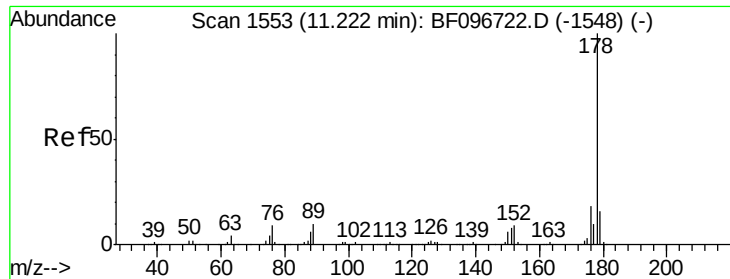
mohammad
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#70
Phenanthrene
Concen: 104.132 ng
RT: 11.18 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	16.2	24.4
179	15.6	12.6	19.0





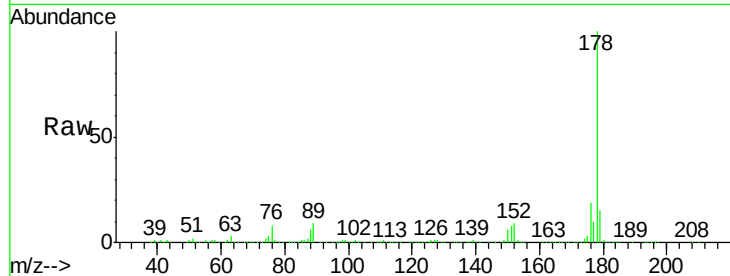
#71
 Anthracene
 Concen: 31.748 ng
 RT: 11.23 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3

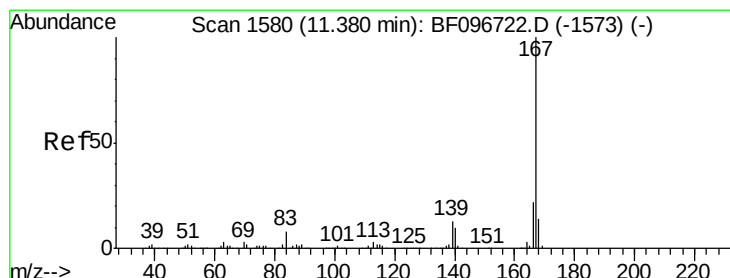
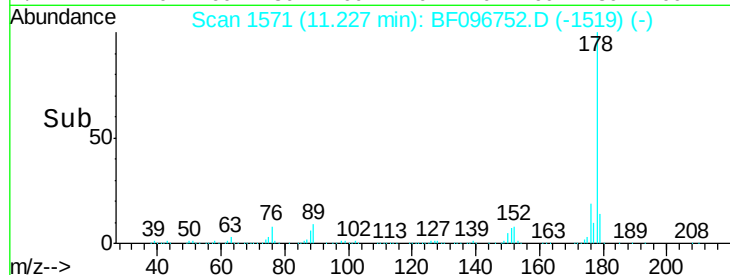
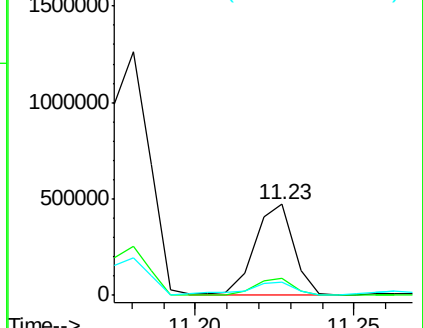
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.8	12.7	19.1

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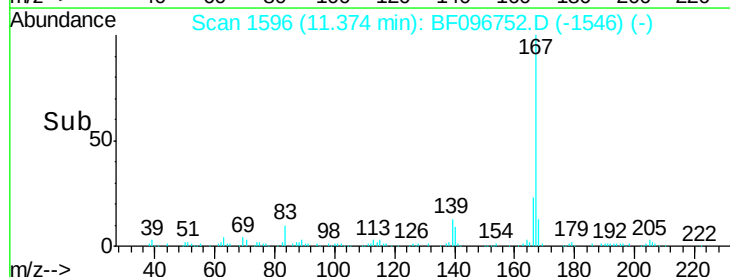
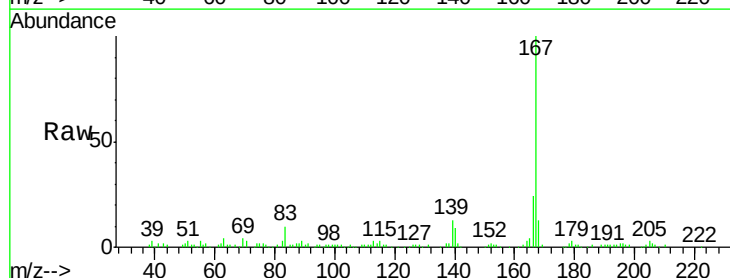
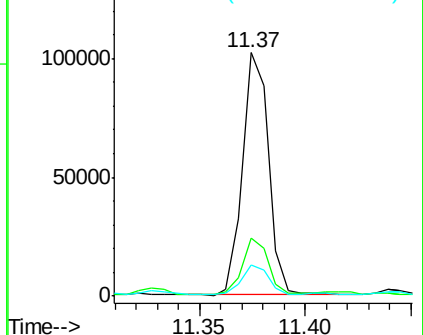
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

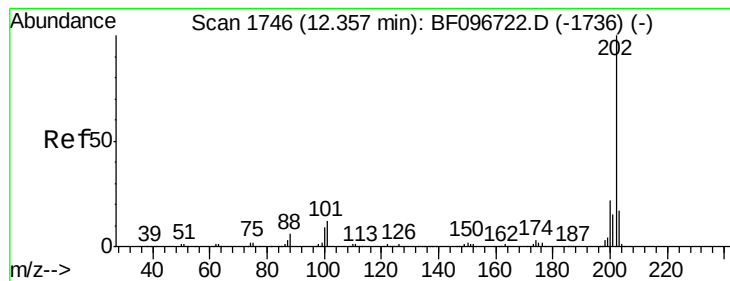


#72
 Carbazole
 Concen: 7.138 ng
 RT: 11.37 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.1	27.1
139	12.9	11.7	17.5

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





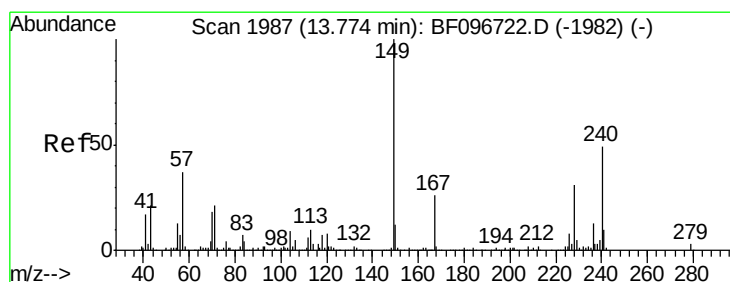
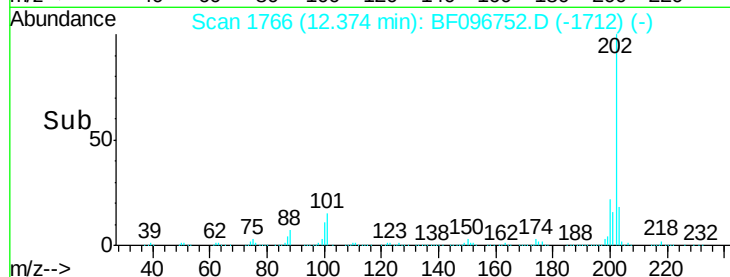
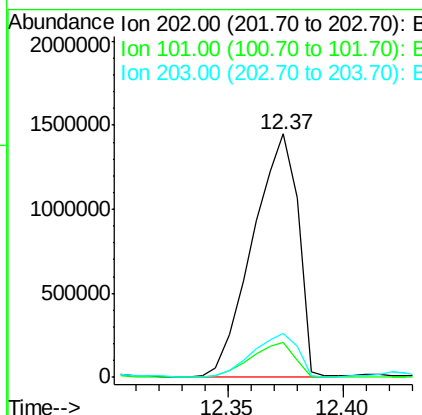
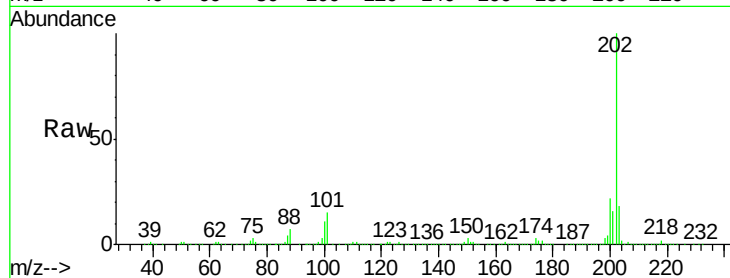
#74
 Fluoranthene
 Concen: 164.366 ng
 RT: 12.37 min Scan# 1766
 Delta R.T. 0.02 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.2
203	18.2	0.0	38.1

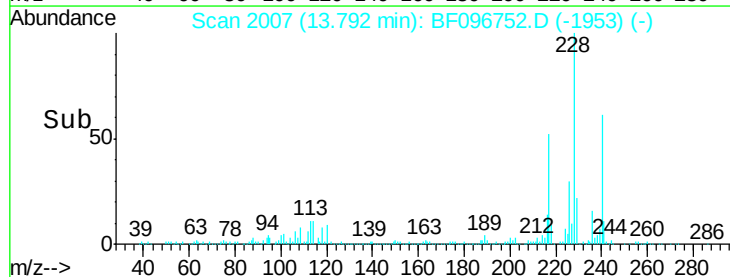
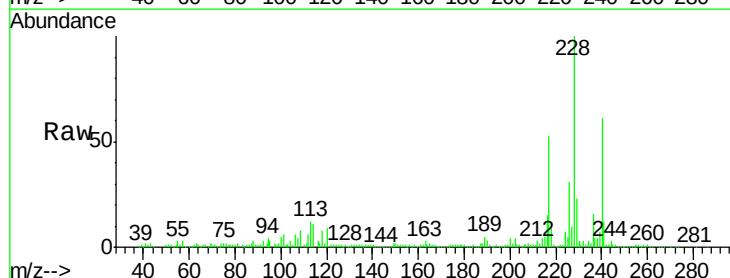
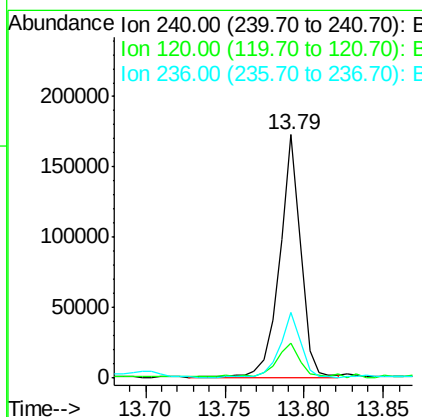
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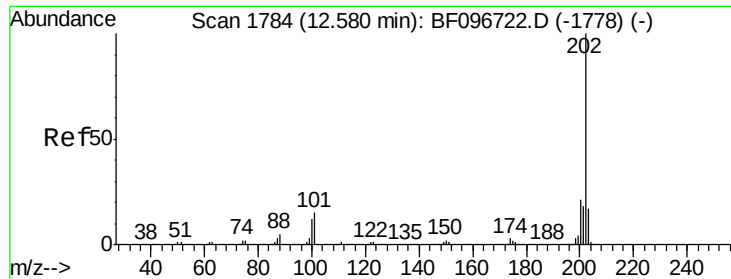
mohammad
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	26.9	20.5	30.7





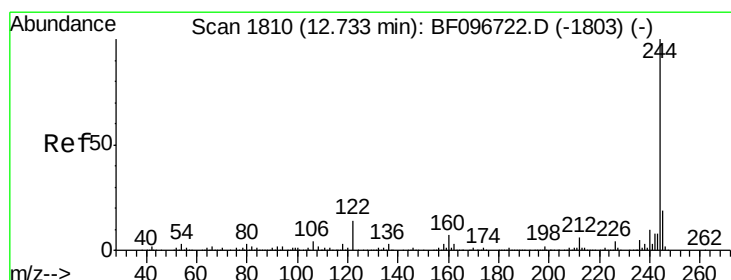
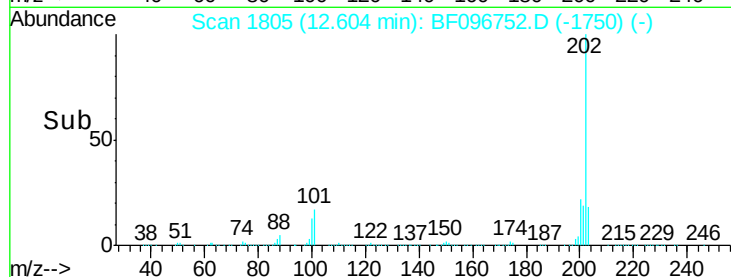
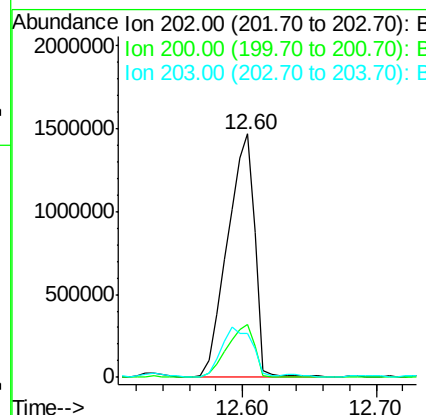
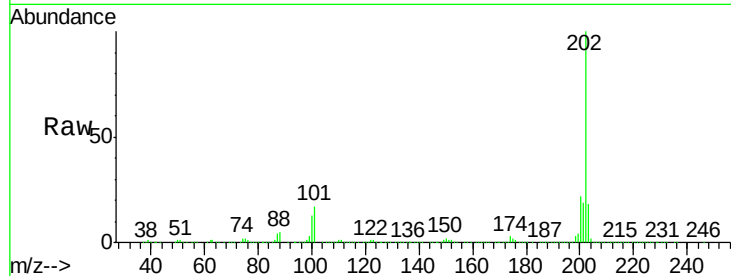
#77
 Pyrene
 Concen: 147.187 ng
 RT: 12.60 min Scan# 1805
 Delta R.T. 0.02 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3

Tgt Ion: 202 Resp: 2101937
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.6 26.4
 203 18.1 14.4 21.6

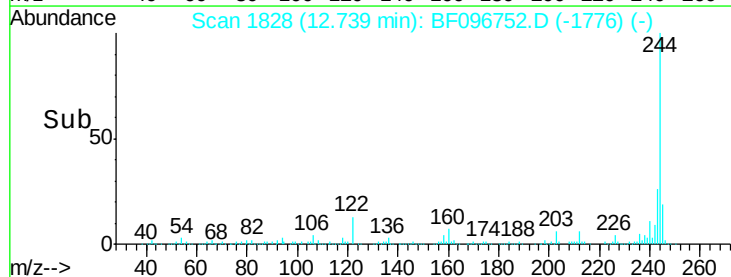
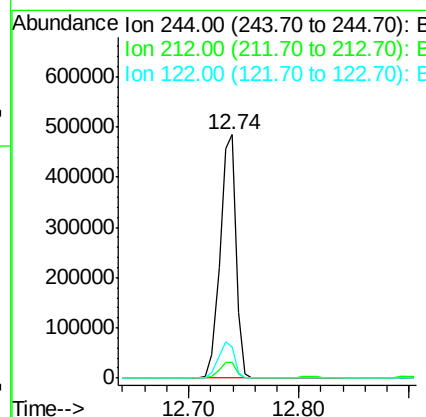
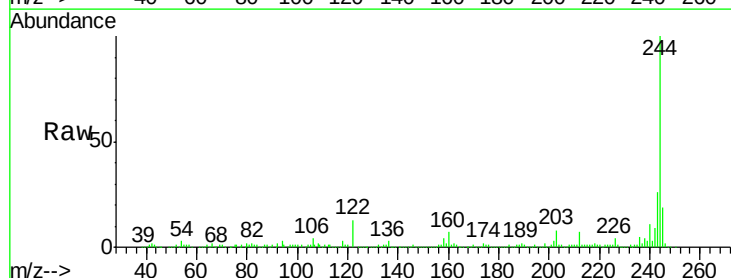
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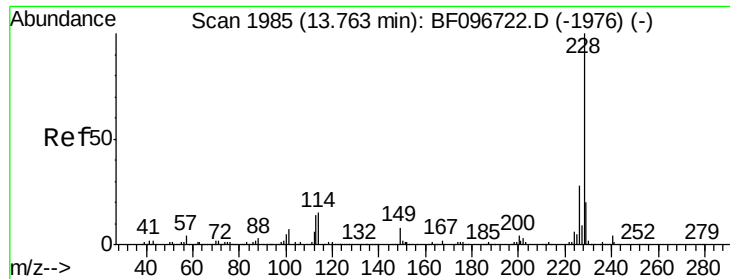
mohammad
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#78
 Terphenyl-d14
 Concen: 52.939 ng
 RT: 12.74 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Tgt Ion: 244 Resp: 480332
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 12.7 10.3 15.5





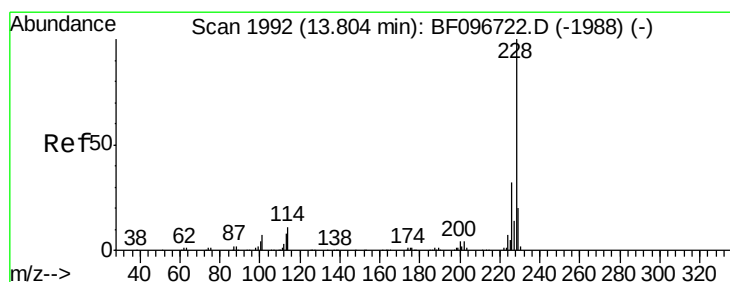
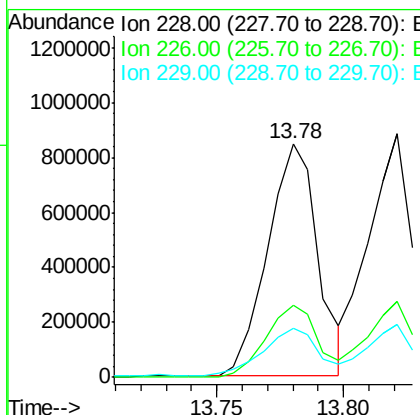
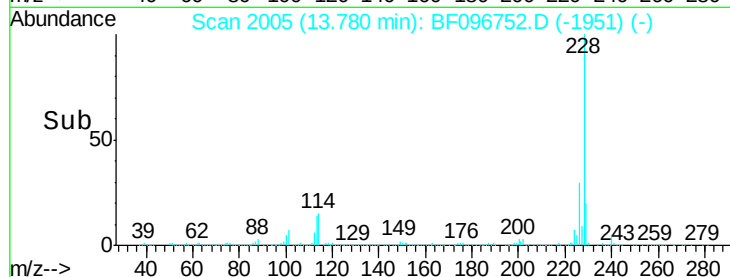
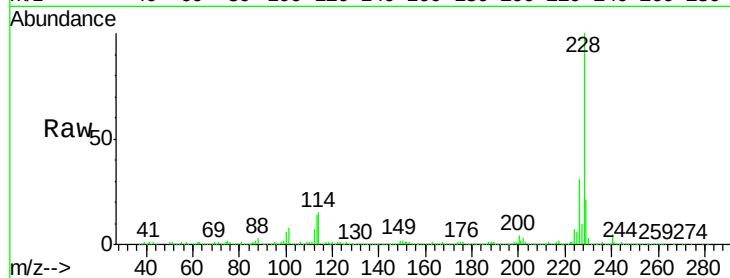
#80
Benzo(a)anthracene
Concen: 119.699 ng
RT: 13.78 min Scan# 2005
Delta R.T. 0.02 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3

Tgt Ion:228 Resp: 1173575
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 20.9 16.3 24.5

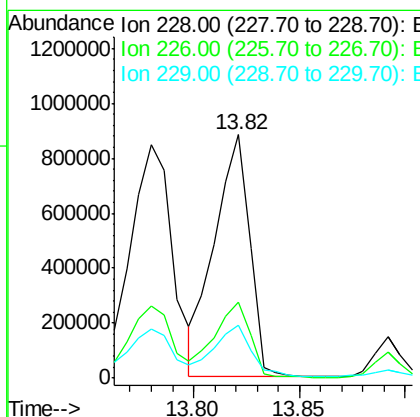
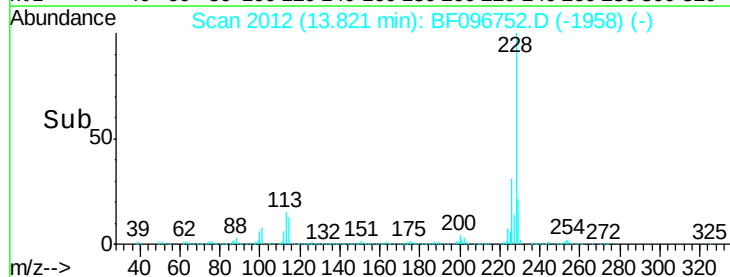
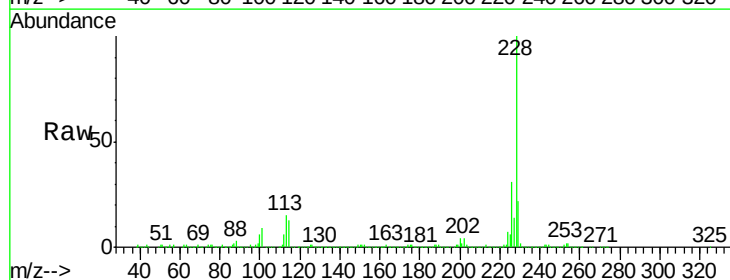
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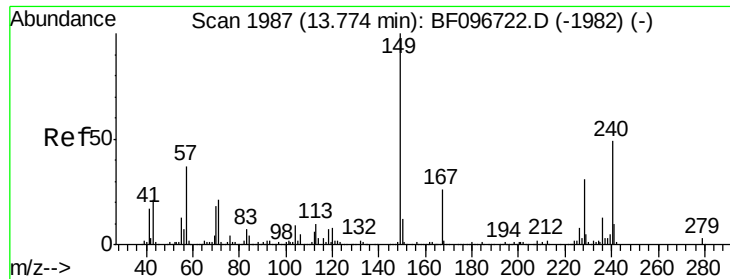
mohammad
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#82
Chrysene
Concen: 105.908 ng
RT: 13.82 min Scan# 2012
Delta R.T. 0.02 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Tgt Ion:228 Resp: 1022219
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 21.5 15.8 23.6





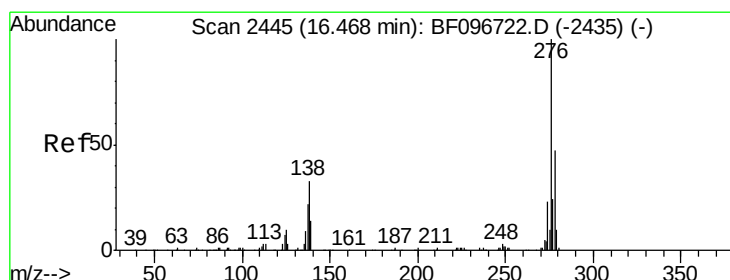
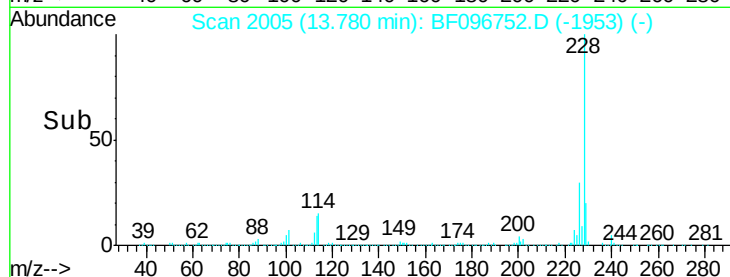
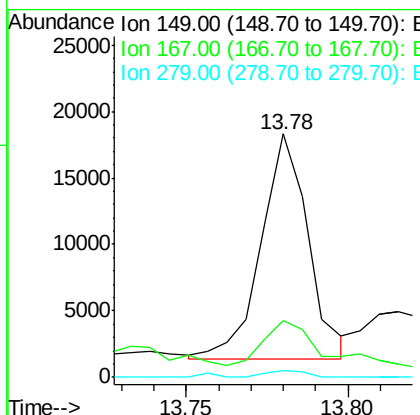
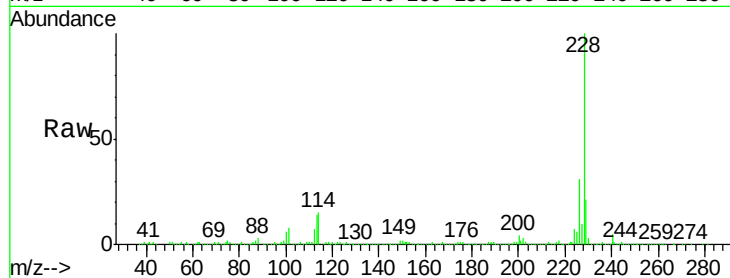
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.090 ng m
 RT: 13.78 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.5	21.0	31.4
279	2.6	1.9	2.9

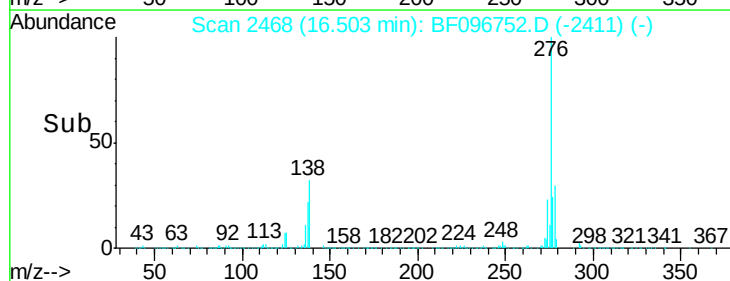
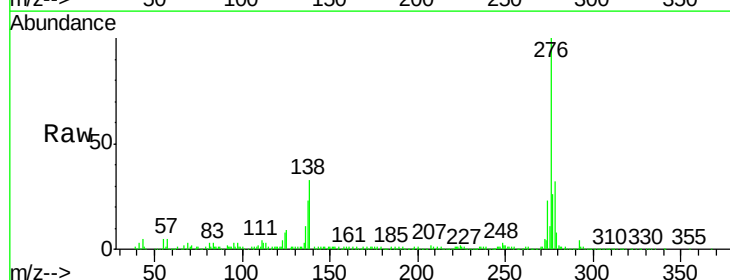
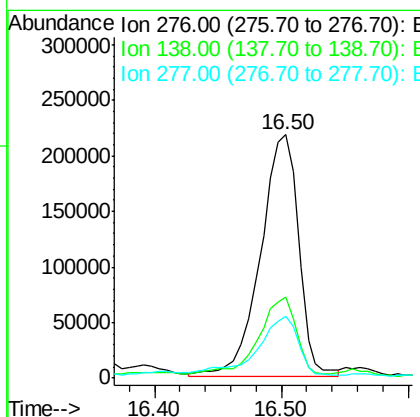
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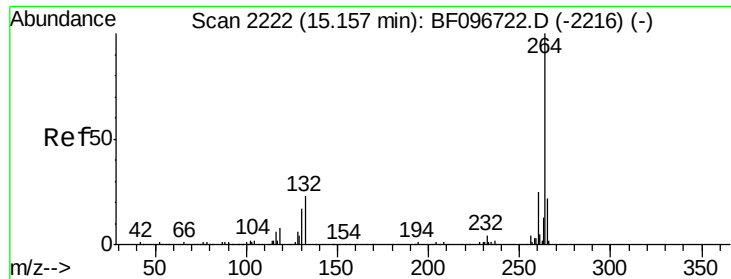
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 48.985 ng
 RT: 16.50 min Scan# 2468
 Delta R.T. 0.04 min
 Lab File: BF096752.D
 Acq: 14 Jul 2017 2:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.3	27.8	41.6
277	28.4	20.2	30.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2242

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA_F

ClientSampleId :

COMP-1-2-3

Tgt Ion: 264 Resp: 135977

Ion Ratio Lower Upper

264 100

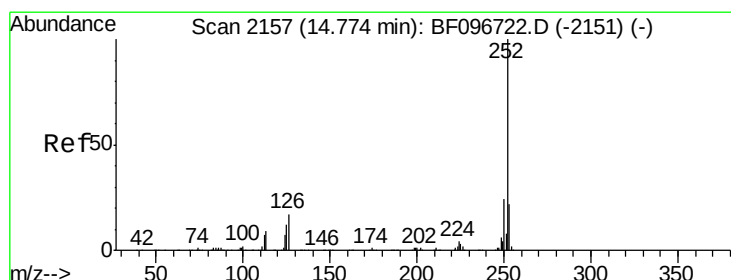
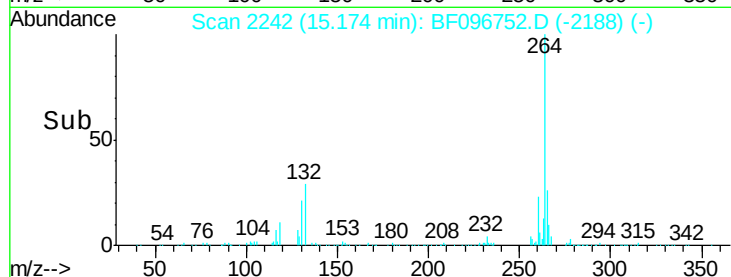
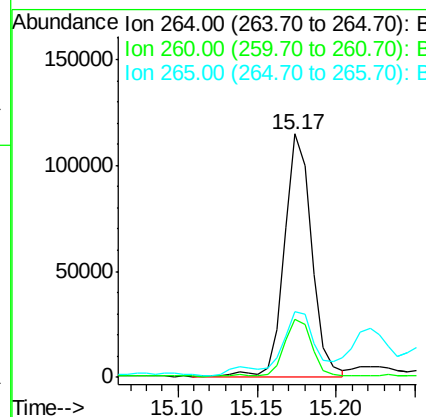
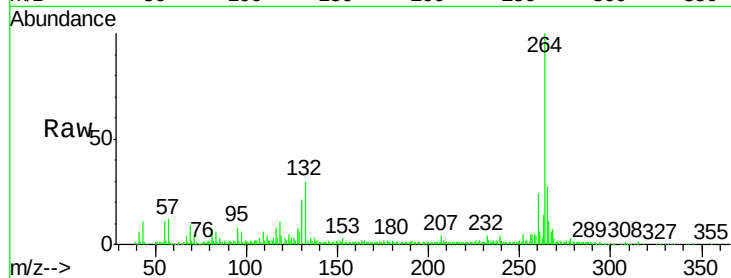
260 23.7 19.5 29.3

265 26.8 17.2 25.8#

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#87

Benzo(b)fluoranthene

Concen: 140.686 ng m

RT: 14.80 min Scan# 2179

Delta R.T. 0.03 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

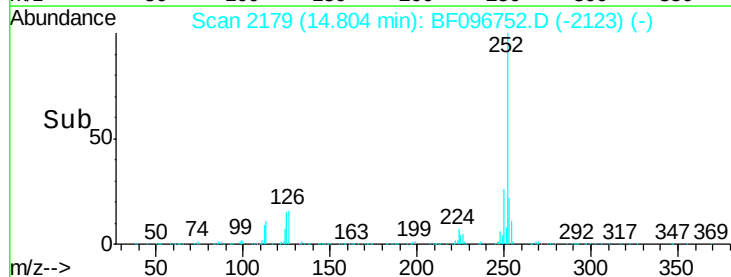
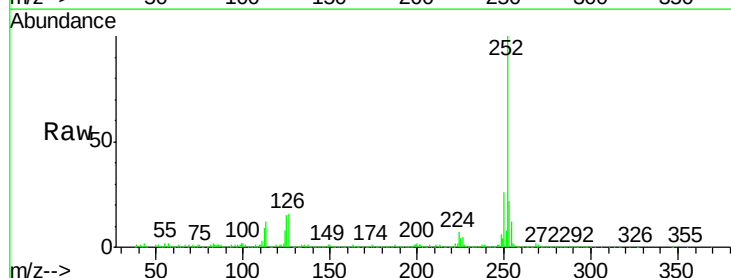
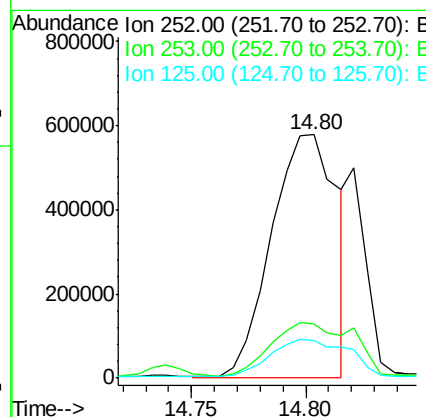
Tgt Ion: 252 Resp: 1153759

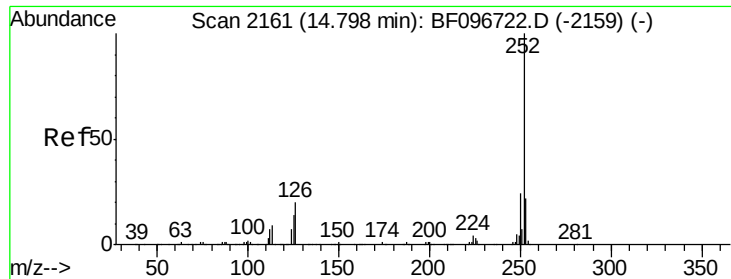
Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 15.2 9.8 14.8#





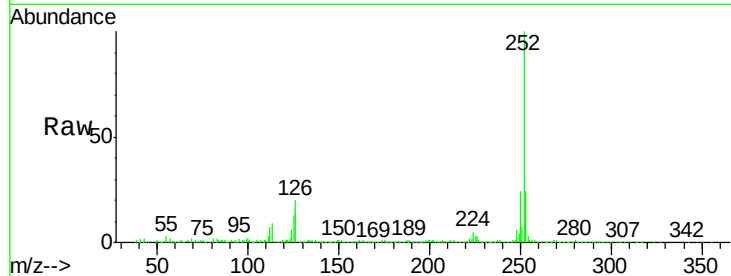
#88
Benzo(k)fluoranthene
Concen: 37.748 ng m
RT: 14.82 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3

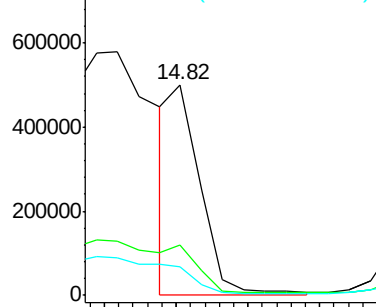
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	13.5	13.1	19.7

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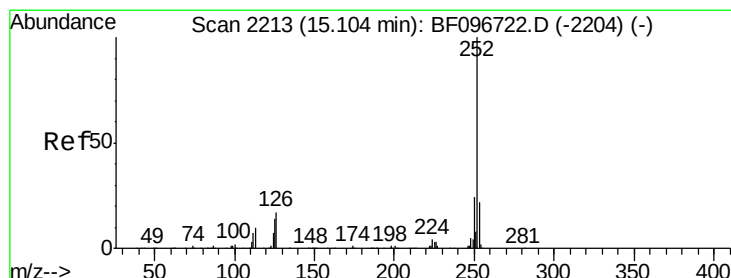
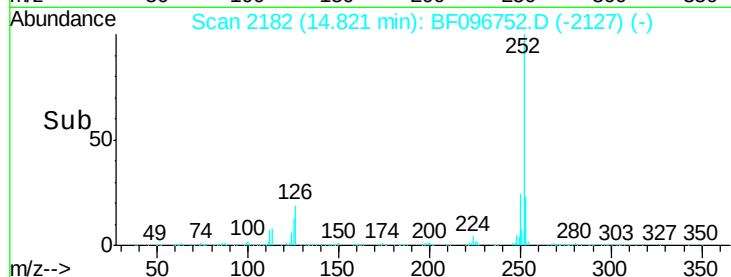
mohammad
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



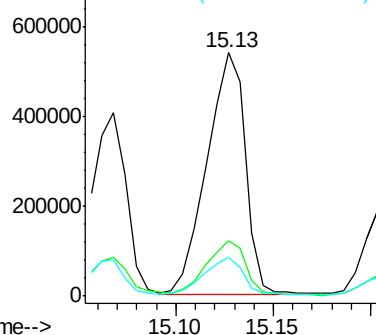
Time-->



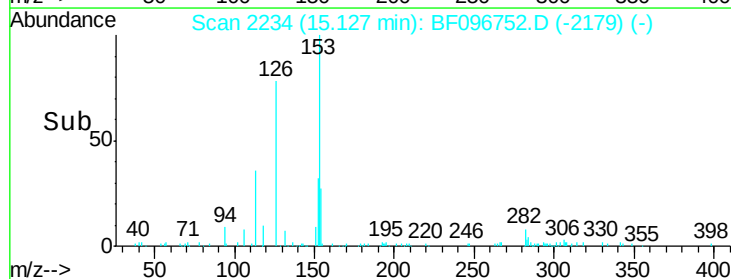
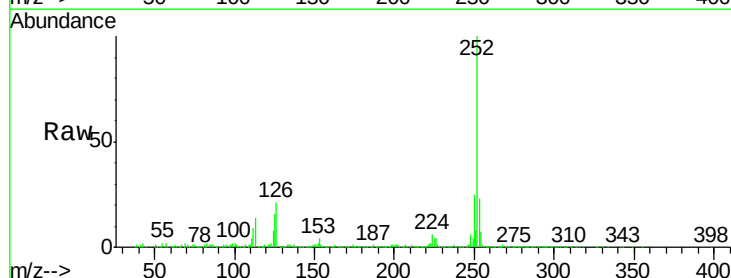
#89
Benzo(a)pyrene
Concen: 98.610 ng
RT: 15.13 min Scan# 2234
Delta R.T. 0.02 min
Lab File: BF096752.D
Acq: 14 Jul 2017 2:46

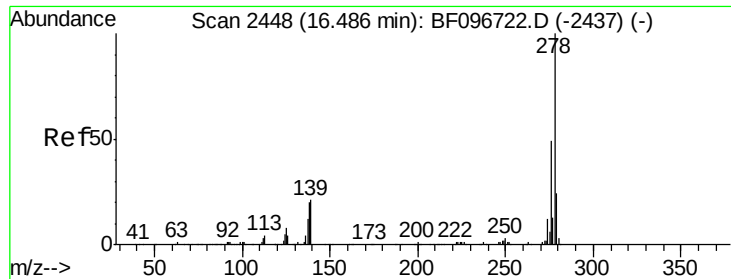
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.9	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 17.249 ng m

RT: 16.50 min Scan# 2468

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA_F

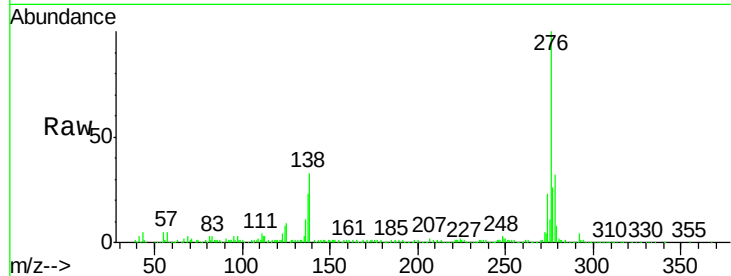
ClientSampleId :

COMP-1-2-3

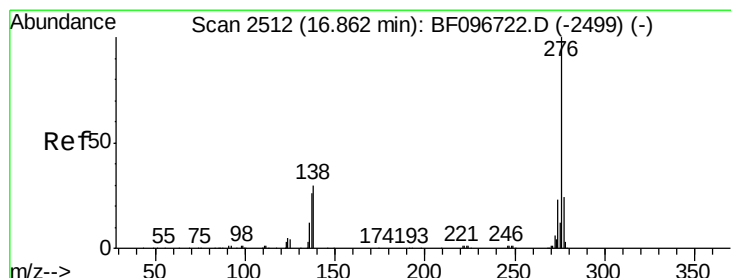
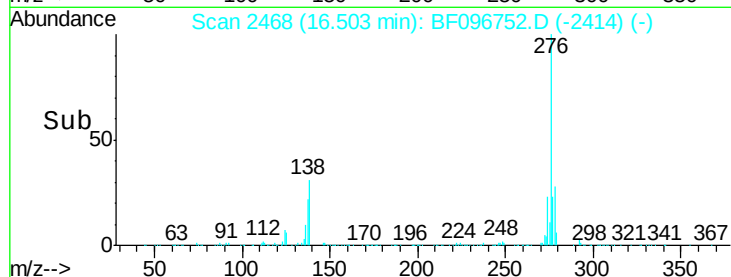
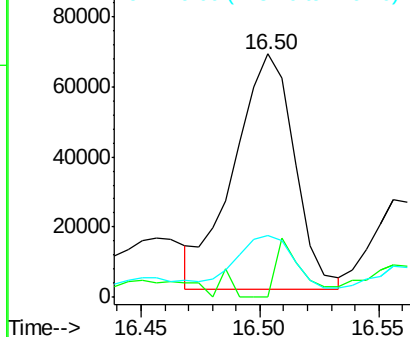
Tgt Ion:	278	Resp:	119385
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	25.6	19.3	28.9

Manual Integrations
APPROVED

mohammad
7/17/2017 8:11:57 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 56.037 ng

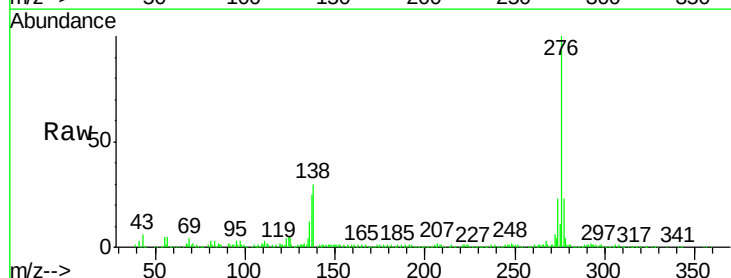
RT: 16.90 min Scan# 2536

Delta R.T. 0.04 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Tgt Ion:	276	Resp:	415317
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.6	28.0
138	30.2	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

