

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096760.D
 Acq On : 14 Jul 2017 6:27
 Operator : SJ/JU
 Sample : I4172-07
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-WSW

Manual Integrations
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mohammad
 7/17/2017 8:12:18 AM

Quant Time: Jul 14 07:54:49 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	103972	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	423817	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	159772	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	220384	20.00	ng	0.00
75) Chrysene-d12	13.79	240	173652	20.00	ng	0.01
86) Perylene-d12	15.18	264	121375	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	691227	99.96	ng	0.01
7) Phenol-d6	6.29	99	696558	83.94	ng	0.00
23) Nitrobenzene-d5	7.20	82	388646	56.80	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	111511	81.77	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	682273	67.47	ng	0.00
78) Terphenyl-d14	12.74	244	422683	42.21	ng	0.00
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	6.81	146	15305	2.095	ng	96
31) Naphthalene	7.94	128	133591	6.654	ng	98
37) 2-Methylnaphthalene	8.63	142	72412	5.657	ng	97
48) Acenaphthylene	9.53	152	88306	5.493	ng	99
49) Dimethylphthalate	9.39	163	129211	10.740	ng	100
51) Acenaphthene	9.70	154	26819	2.824	ng	99
54) Dibenzofuran	9.87	168	29009	2.180	ng	# 91
57) Fluorene	10.22	166	36039	3.665	ng	98
70) Phenanthrene	11.17	178	459125	38.315	ng	99
71) Anthracene	11.22	178	150035	12.383	ng	98
72) Carbazole	11.37	167	50928	4.341	ng	96
74) Fluoranthene	12.37	202	895696	78.091	ng	98
77) Pyrene	12.59	202	832926	52.851	ng	100
80) Benzo(a)anthracene	13.78	228	379198	35.047	ng	97
82) Chrysene	13.82	228	377001	35.394	ng	97
85) Indeno(1,2,3-cd)pyrene	16.50	276	134586	16.229	ng	93
87) Benzo(b)fluoranthene	14.80	252	347144m	47.422	ng	
88) Benzo(k)fluoranthene	14.82	252	87424m	12.612	ng	
89) Benzo(a)pyrene	15.13	252	241848	36.021	ng	# 92
90) Dibenz(a,h)anthracene	16.51	278	32745	5.300	ng	# 80
91) Benzo(g,h,i)perylene	16.90	276	128632	19.444	ng	98

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

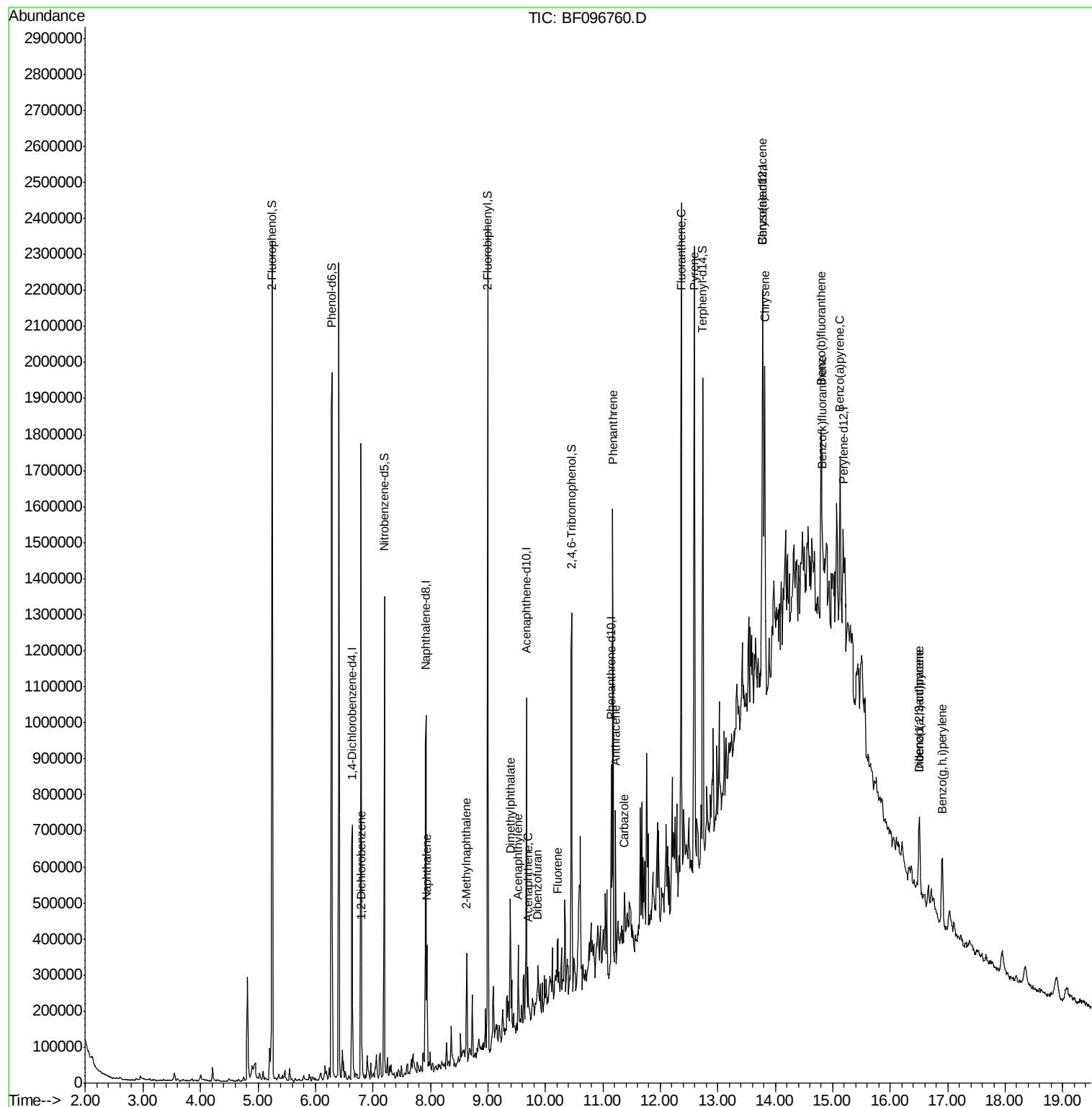
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096760.D
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Operator : SJ/JU
Sample : I4172-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

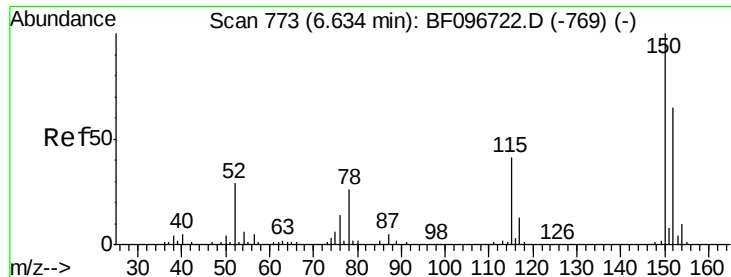
Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

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Quant Time: Jul 14 07:54:49 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

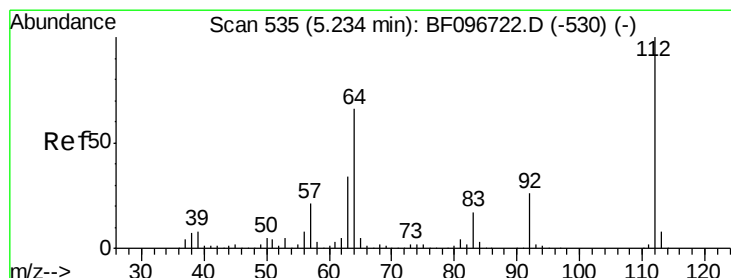
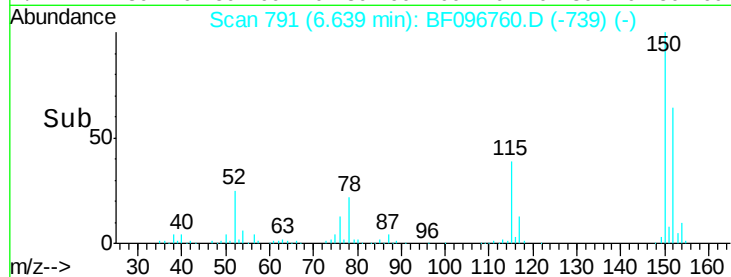
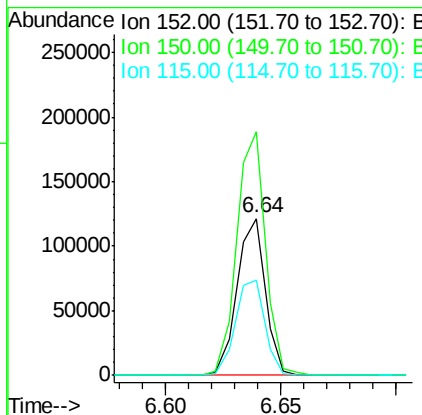
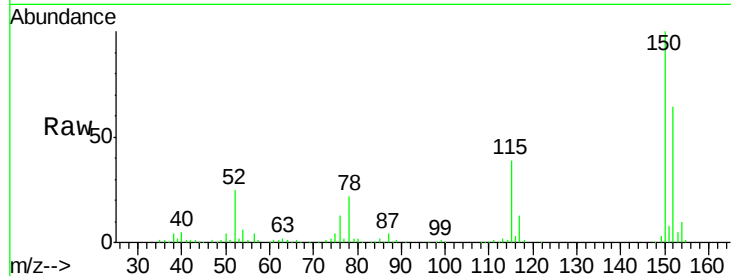
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.64 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	103972		
150	155.3	126.2	189.2	
115	61.0	52.2	78.2	

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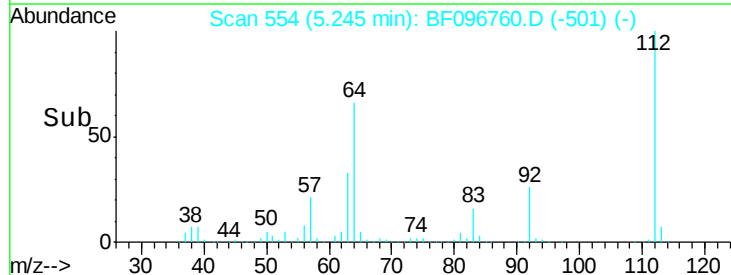
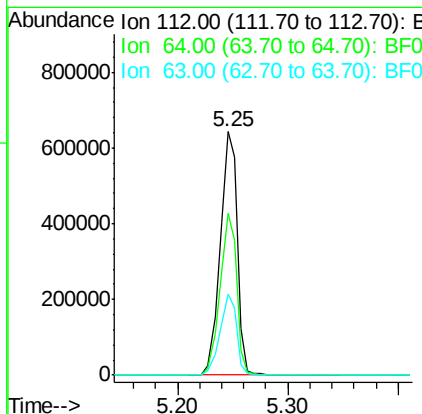
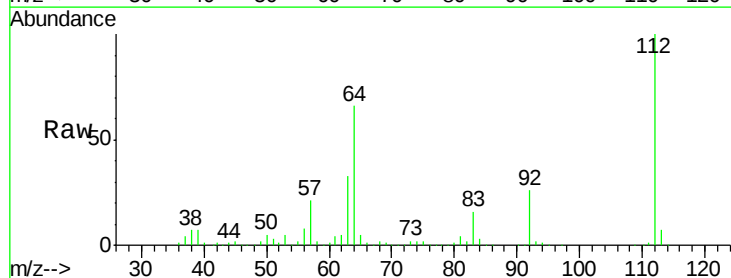
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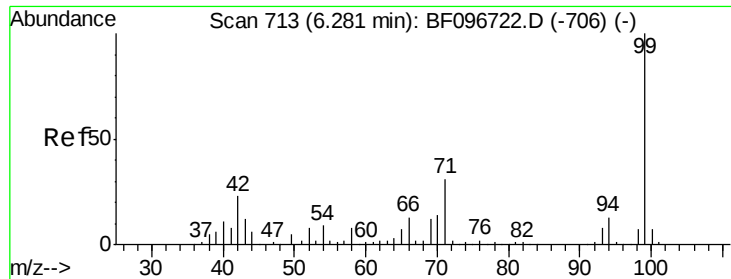


#5

2-Fluorophenol
 Concen: 99.961 ng
 RT: 5.25 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	691227		
64	66.3	46.0	69.0	
63	33.2	23.4	35.0	





#7

Phenol-d6

Concen: 83.942 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Instrument :

BNA_F

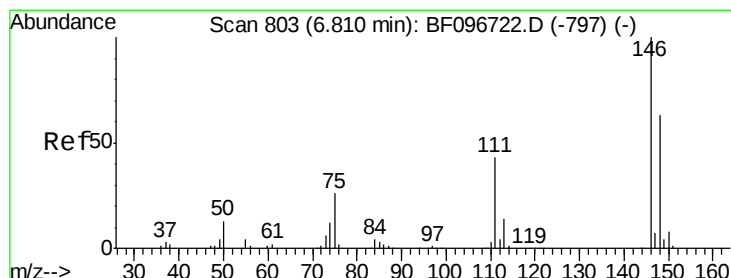
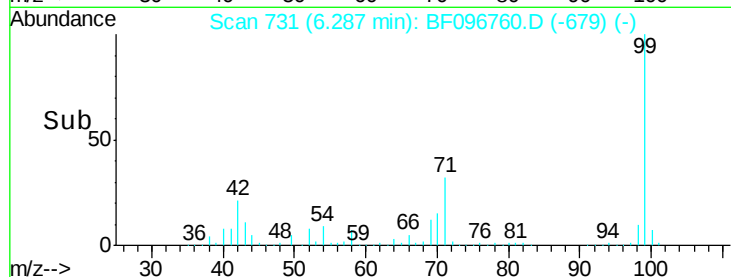
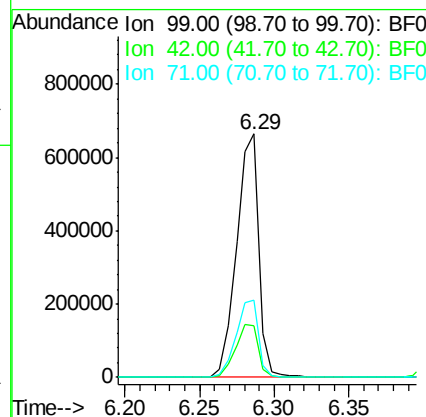
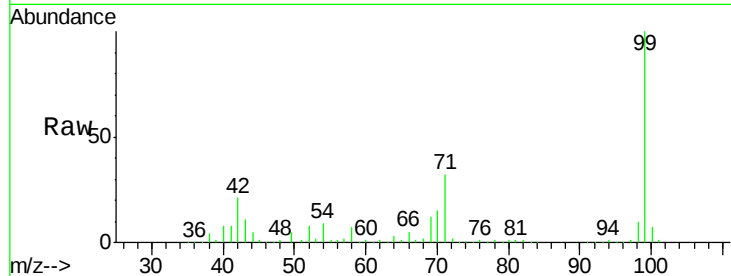
ClientSampleId :

E2-04-WSW

Tgt Ion:	99	Resp:	696558
Ion Ratio	Lower	Upper	
99	100		
42	21.3	13.5	20.3#
71	31.9	24.5	36.7

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#14

1,2-Dichlorobenzene

Concen: 2.095 ng

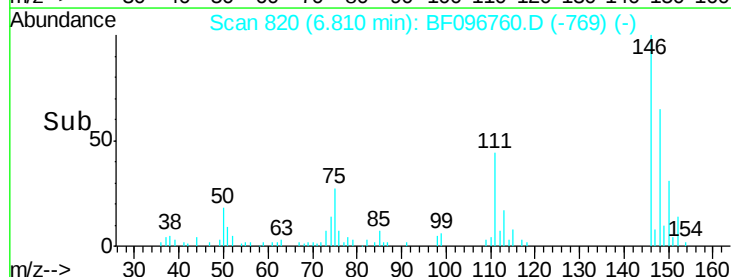
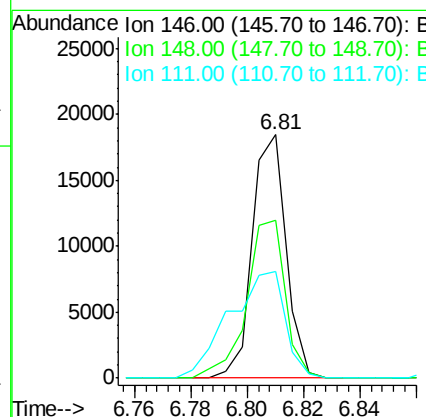
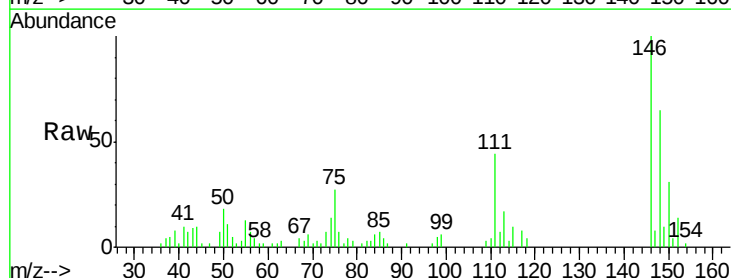
RT: 6.81 min Scan# 820

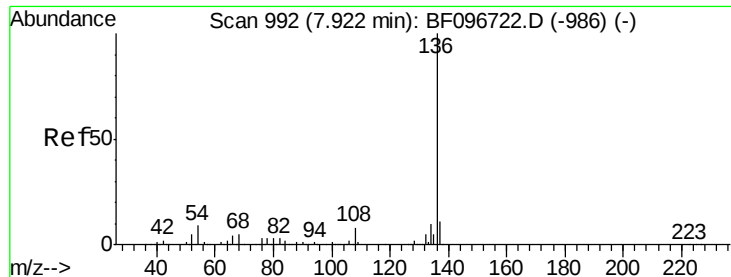
Delta R.T. -0.00 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Tgt Ion:	146	Resp:	15305
Ion Ratio	Lower	Upper	
146	100		
148	64.7	50.4	75.6
111	43.9	38.2	57.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Instrument :

BNA_F

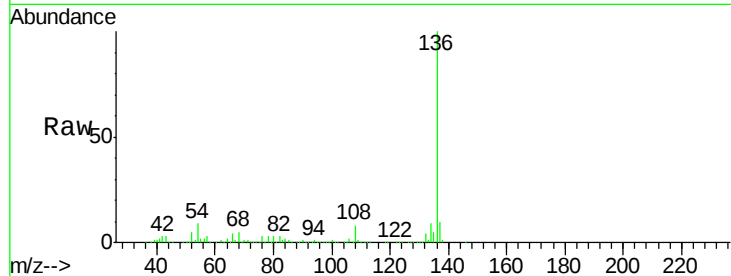
ClientSampleId :

E2-04-WSW

Tgt Ion:	136	Resp:	423817
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	9.2	4.9	7.3#
68	4.9	4.1	6.1

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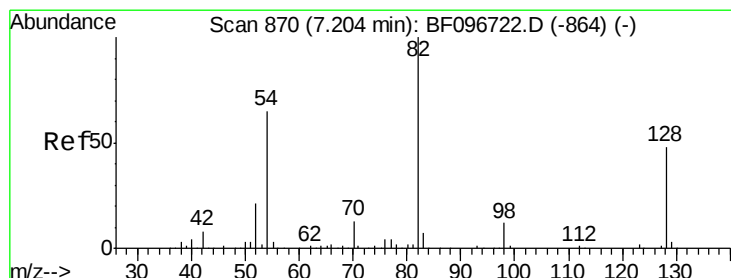
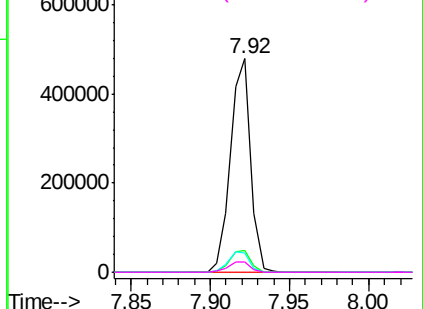
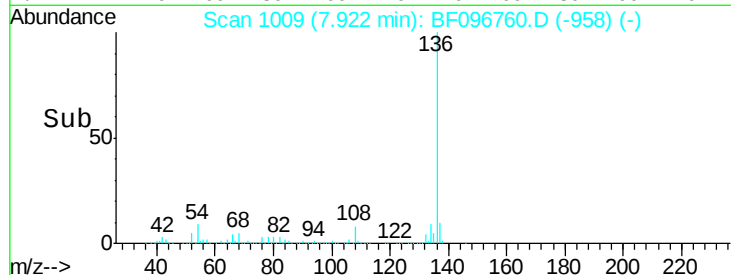


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 56.801 ng

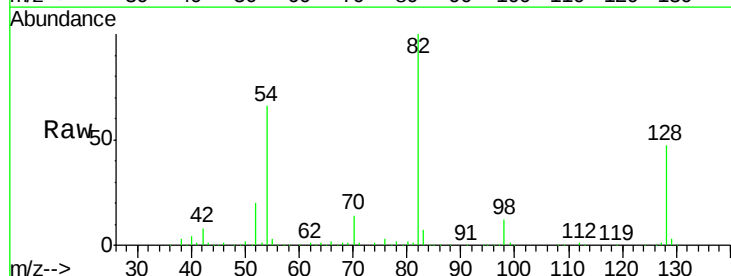
RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

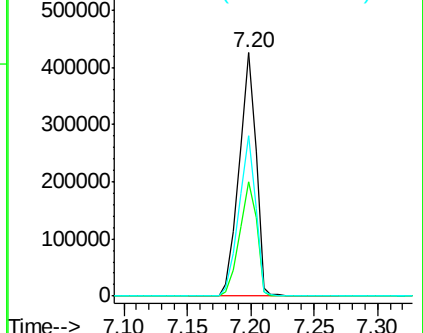
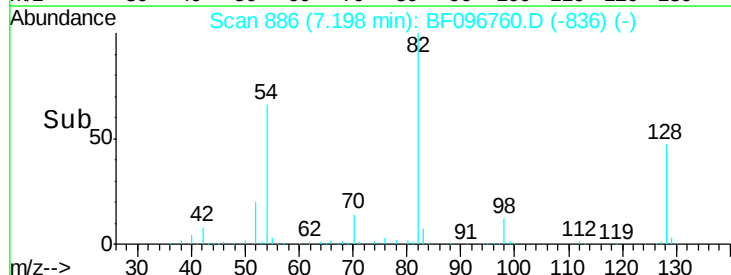
Tgt Ion:	82	Resp:	388646
Ion Ratio	Lower	Upper	
82	100		
128	47.0	34.0	51.0
54	65.8	42.2	63.2#

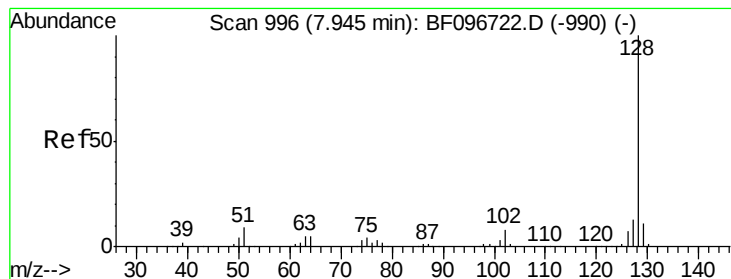


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 6.654 ng

RT: 7.94 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Instrument :

BNA_F

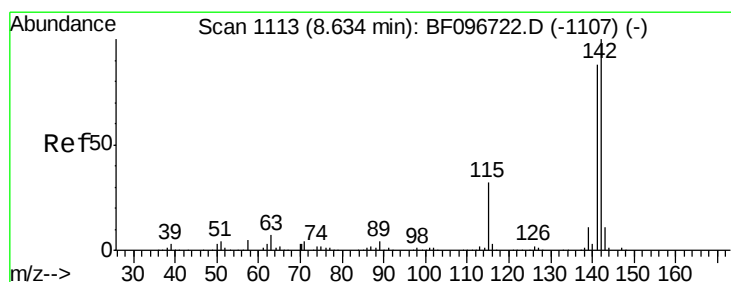
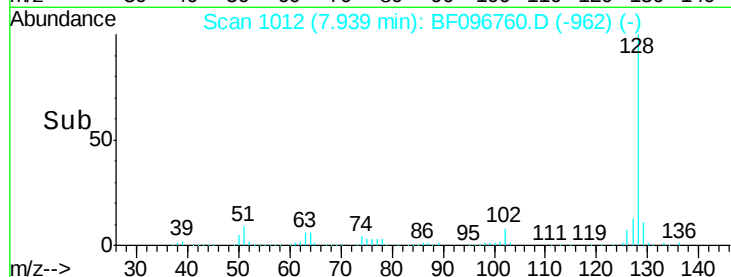
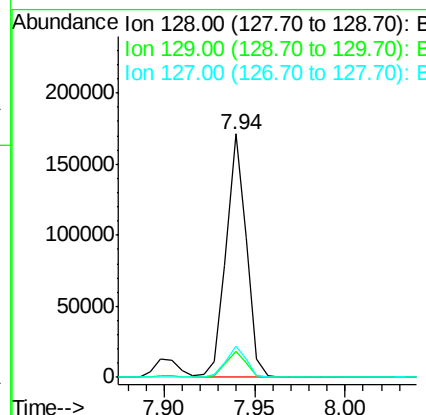
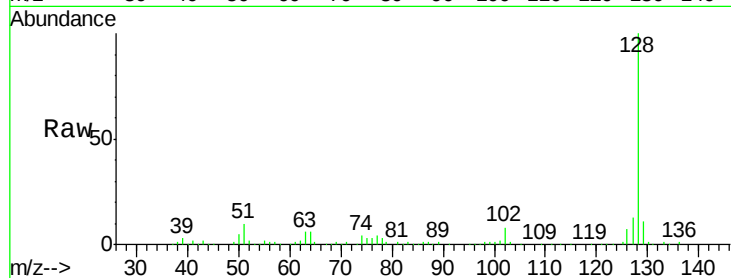
ClientSampleId :

E2-04-WSW

Tgt Ion:	128	Resp:	133591
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	12.8	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 5.657 ng

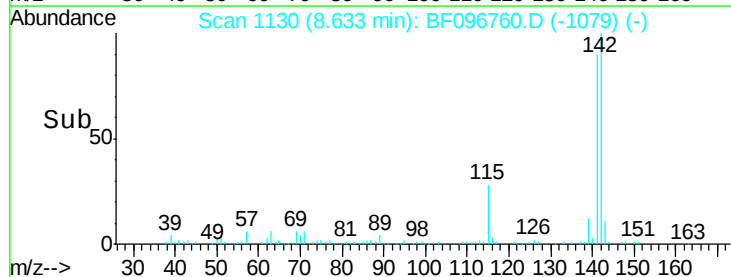
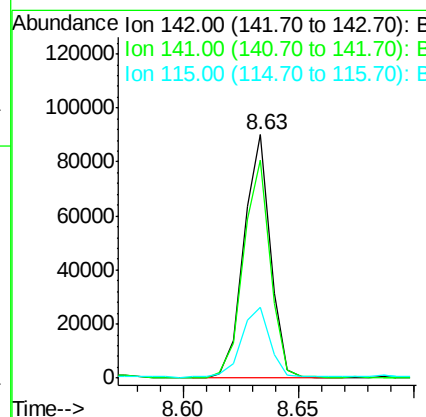
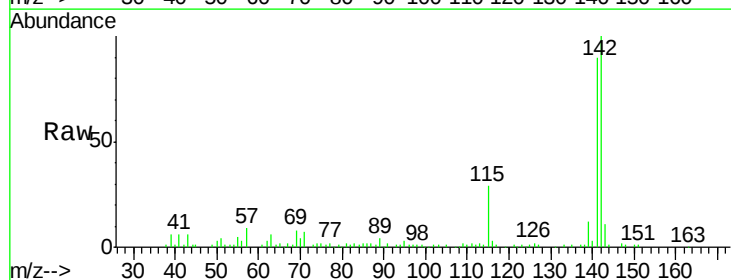
RT: 8.63 min Scan# 1130

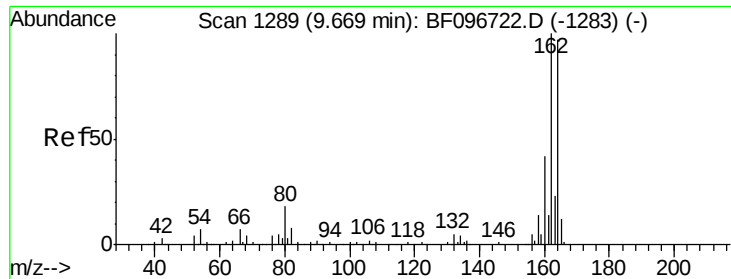
Delta R.T. -0.00 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Tgt Ion:	142	Resp:	72412
Ion Ratio	Lower	Upper	
142	100		
141	89.6	71.3	106.9
115	29.0	27.1	40.7





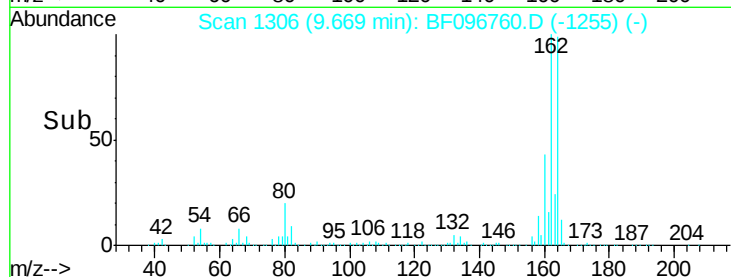
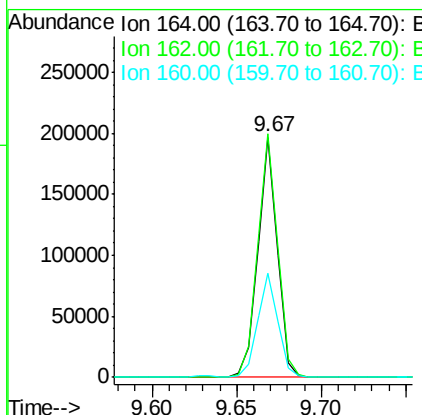
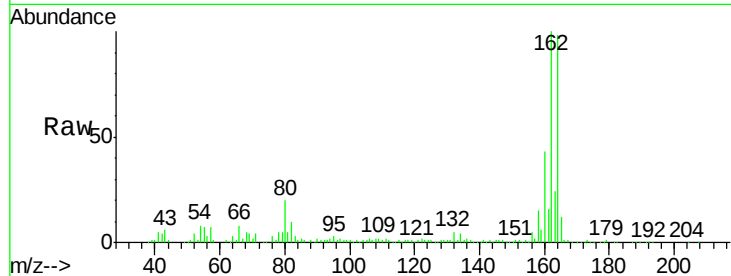
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159772		
162	101.5	82.6	123.8	
160	43.4	36.2	54.2	

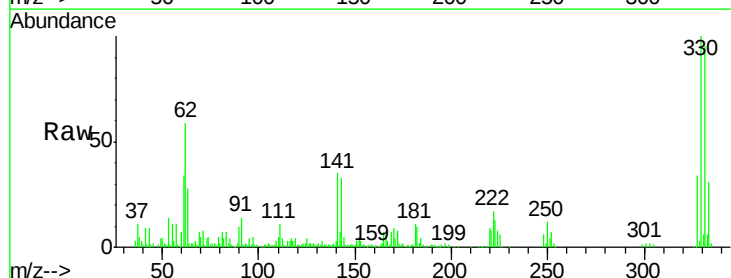
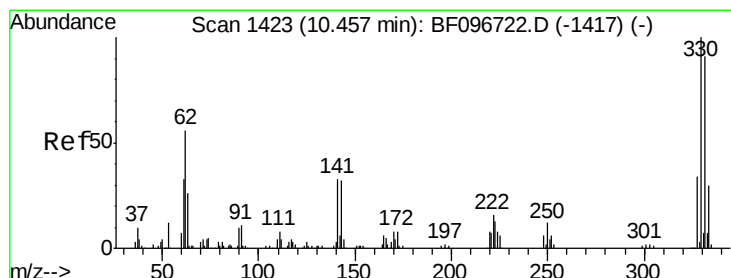
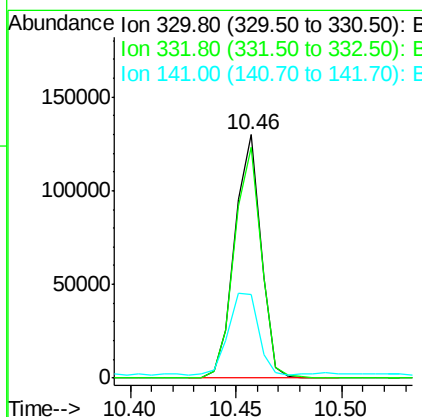
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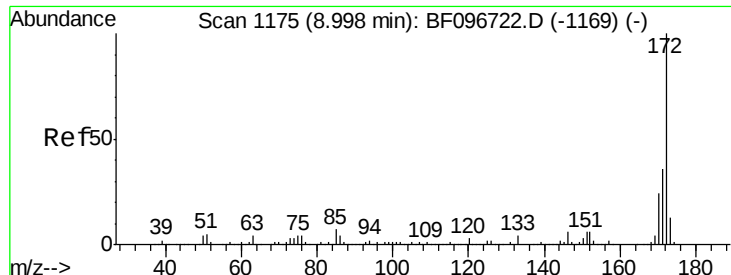
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#41
2,4,6-Tribromophenol
Concen: 81.765 ng
RT: 10.46 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	111511		
332	96.7	76.6	115.0	
141	39.1	31.4	47.2	





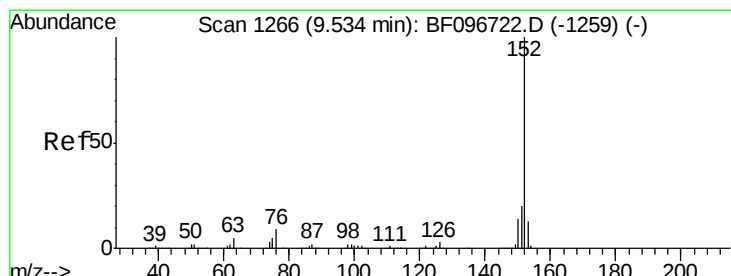
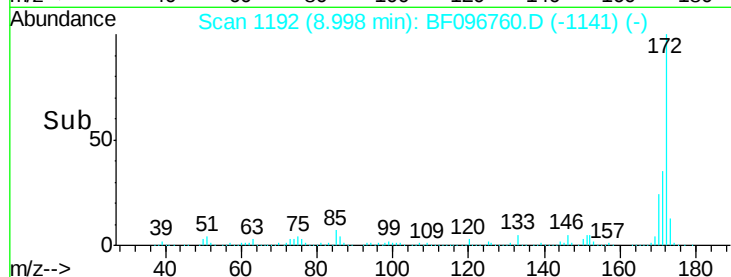
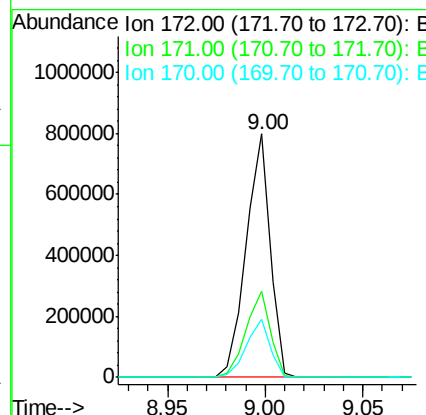
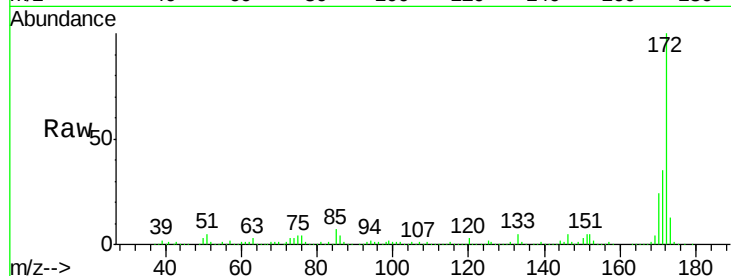
#44
 2-Fluorobiphenyl
 Concen: 67.467 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	682273		
171	35.4		29.6	44.4
170	23.7		19.8	29.8

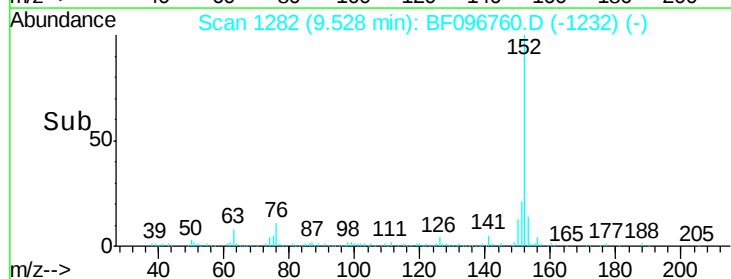
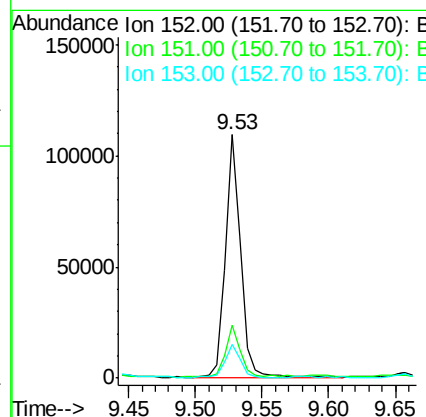
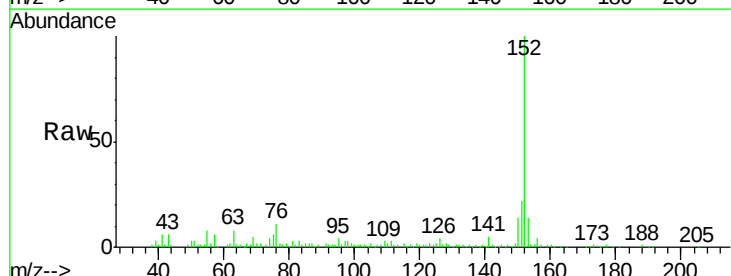
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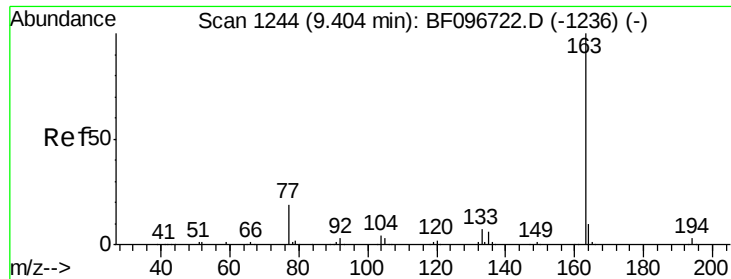
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#48
 Acenaphthylene
 Concen: 5.493 ng
 RT: 9.53 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	88306		
151	21.9		16.8	25.2
153	13.6		10.8	16.2





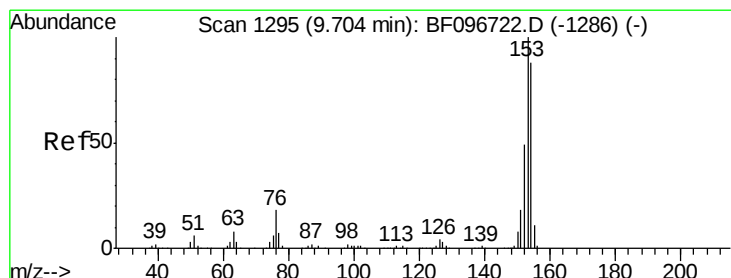
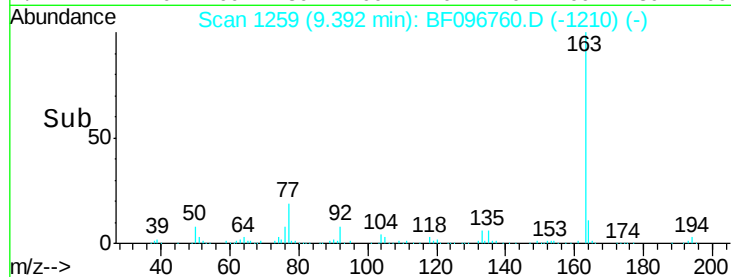
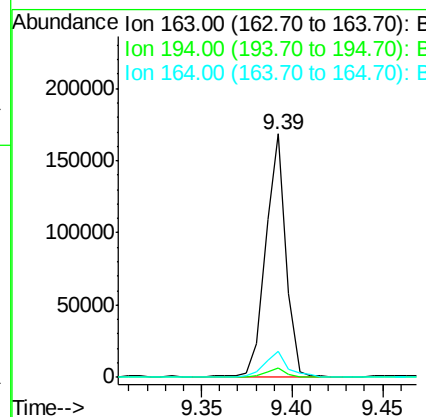
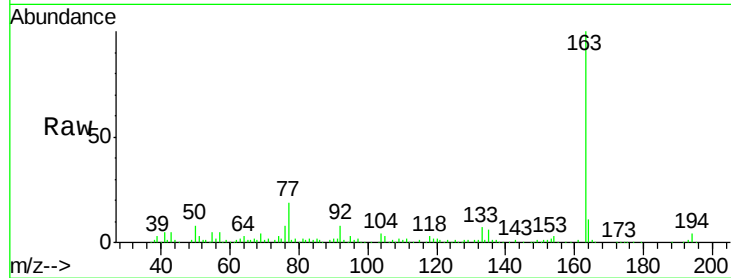
#49
Dimethylphthalate
Concen: 10.740 ng
RT: 9.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

Tgt Ion:	163	Resp:	129211
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.6	8.4	12.6

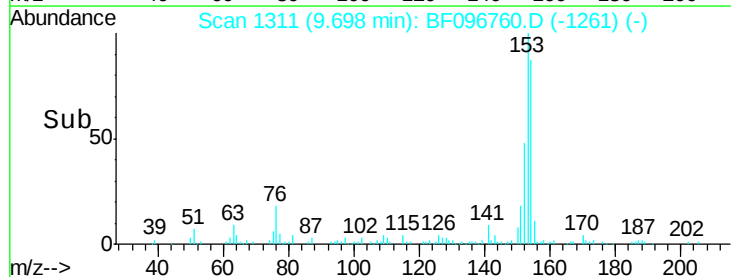
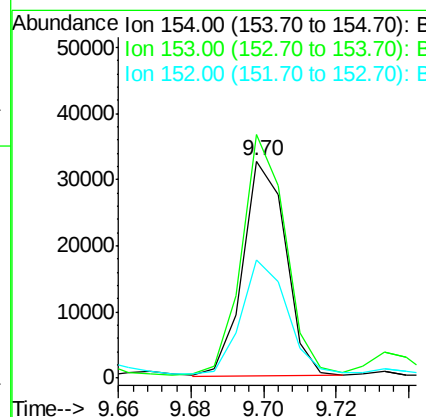
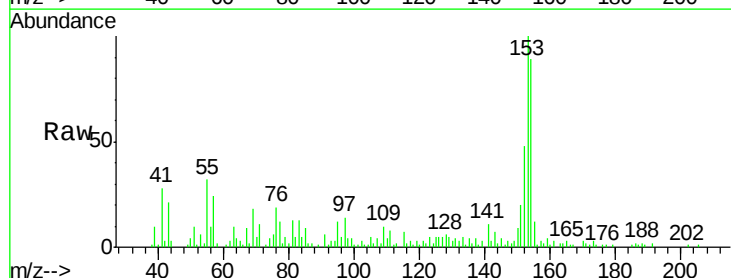
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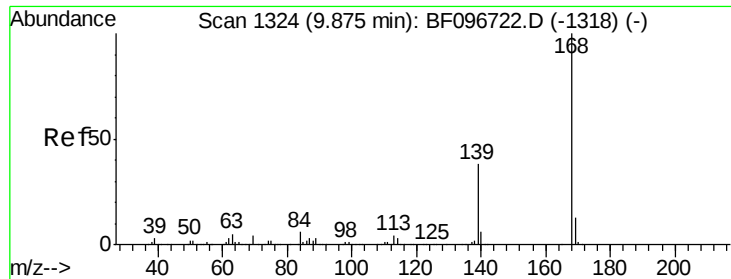
mohammad
7/17/2017 8:12:18 AM



#51
Acenaphthene
Concen: 2.824 ng
RT: 9.70 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion:	154	Resp:	26819
Ion Ratio	Lower	Upper	
154	100		
153	112.1	90.5	135.7
152	54.3	43.6	65.4





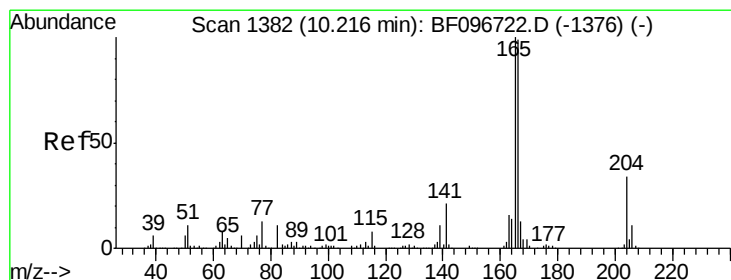
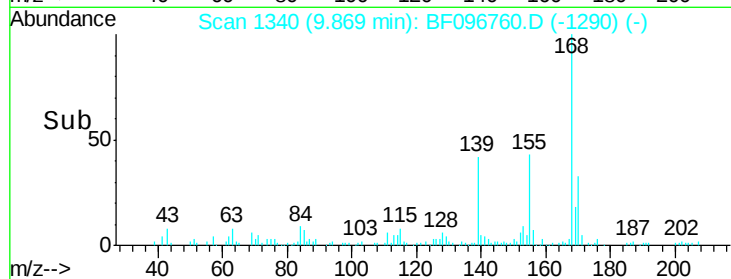
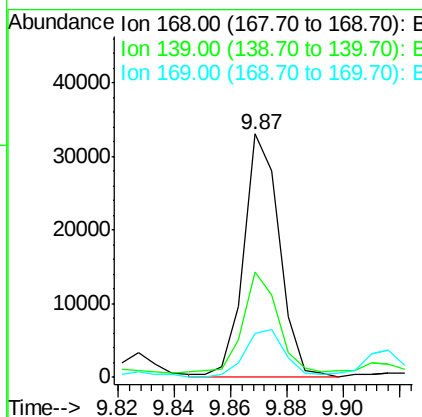
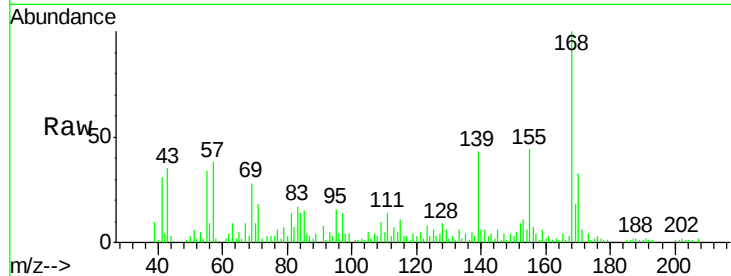
#54
Dibenzofuran
Concen: 2.180 ng
RT: 9.87 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.4	30.6	45.8
169	18.3	10.8	16.2

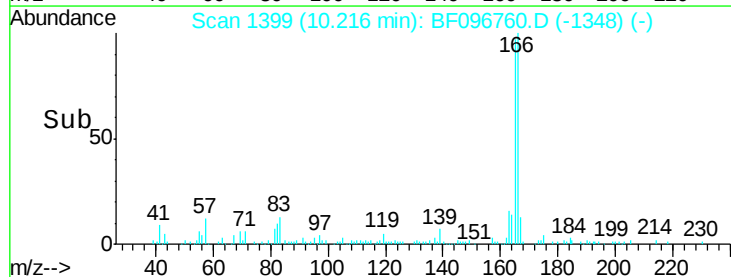
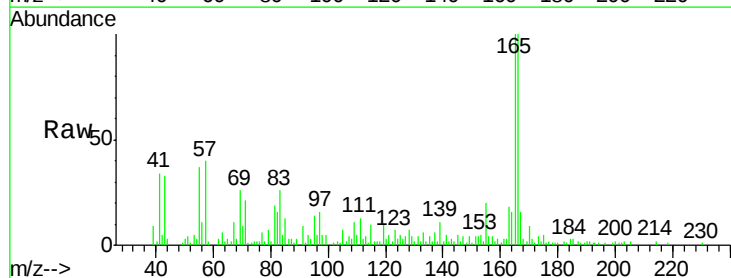
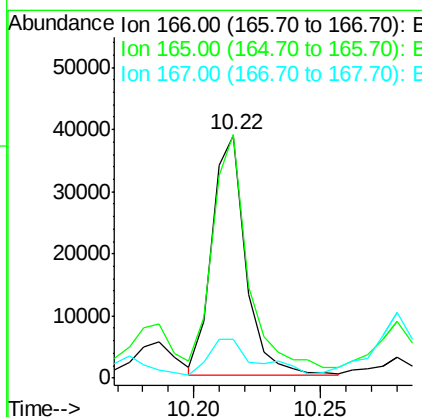
Manual Integrations
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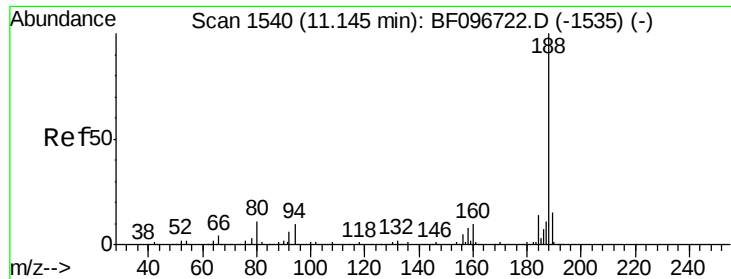
mohammad
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#57
Fluorene
Concen: 3.665 ng
RT: 10.22 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	15.9	10.6	16.0





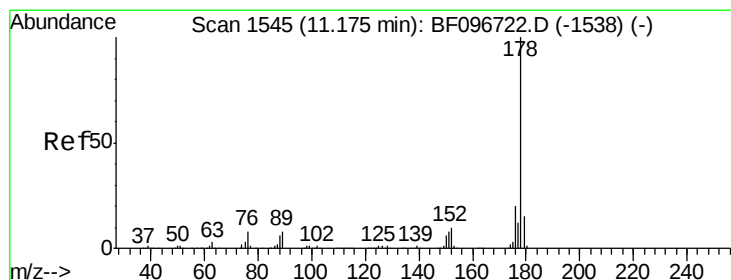
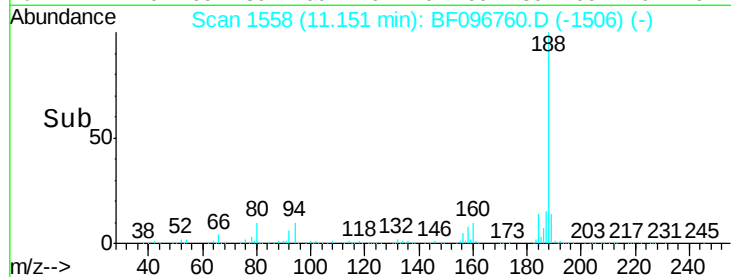
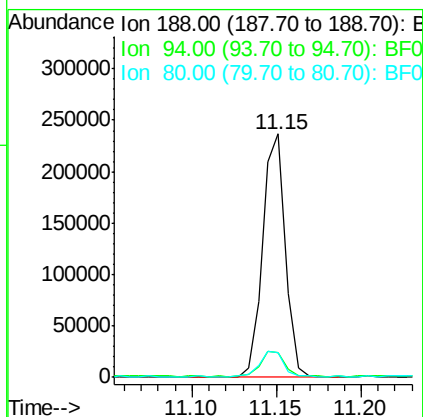
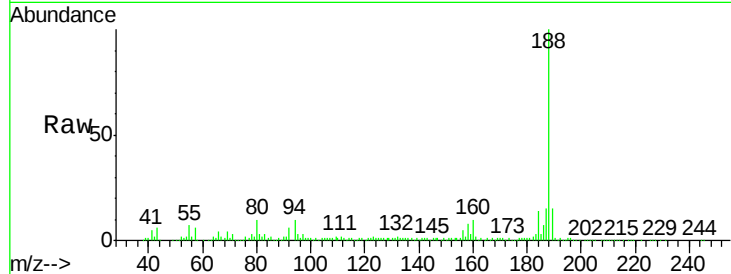
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	220384		
94	10.4		9.4	14.2
80	10.2		10.2	15.2

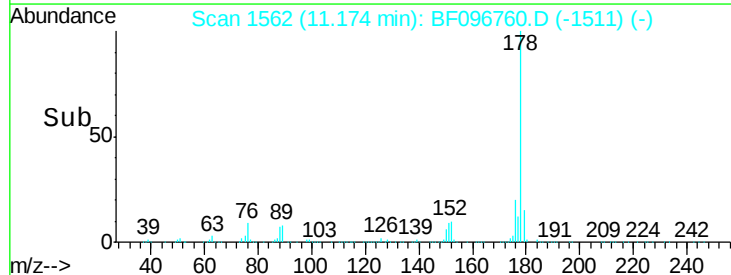
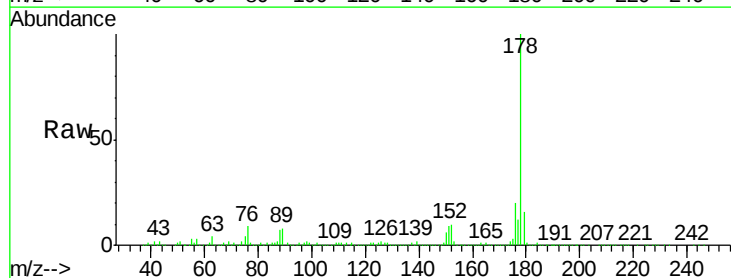
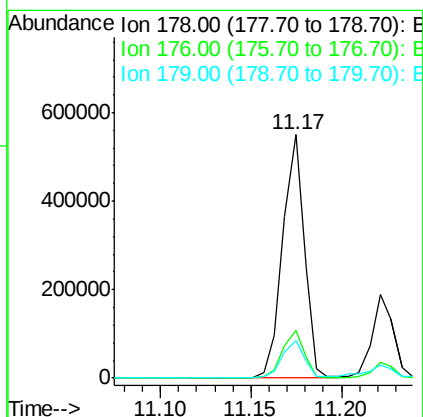
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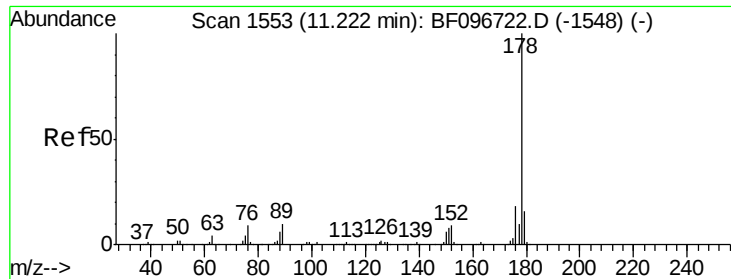
mohammad
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#70
Phenanthrene
Concen: 38.315 ng
RT: 11.17 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	459125		
176	19.8		16.2	24.4
179	15.6		12.6	19.0





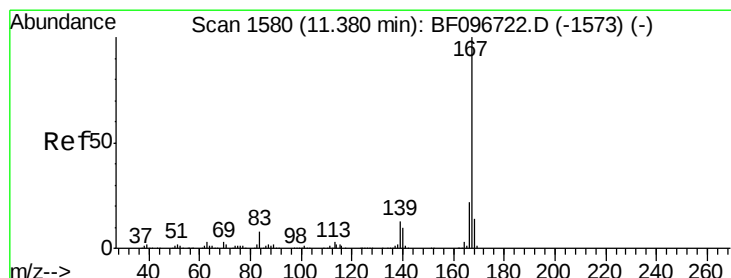
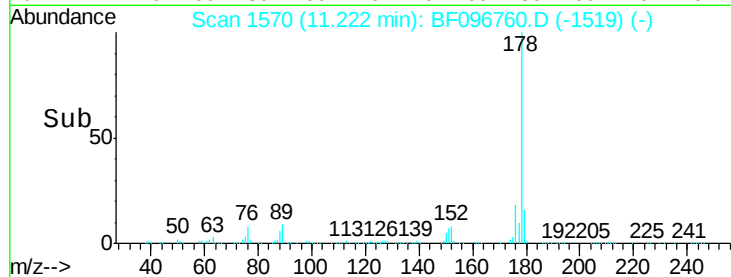
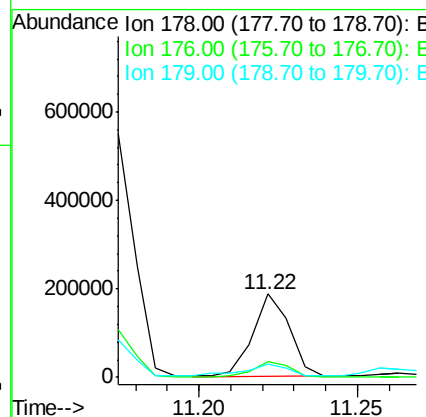
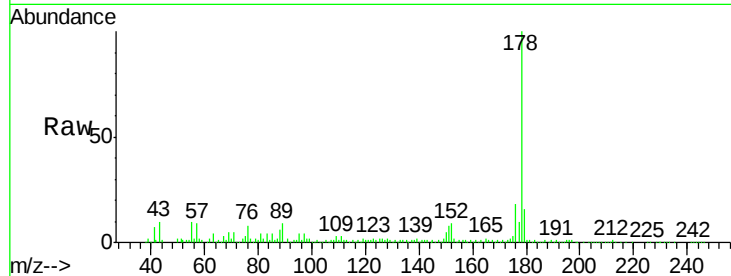
#71
 Anthracene
 Concen: 12.383 ng
 RT: 11.22 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-WSW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.5	12.7	19.1

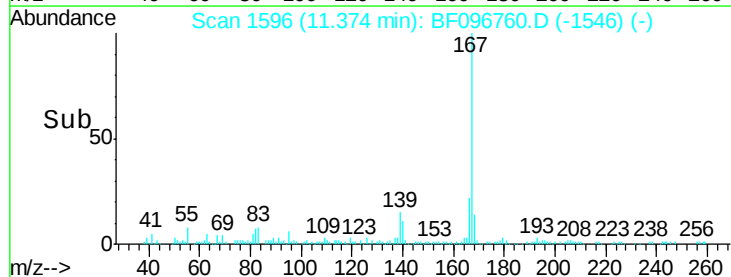
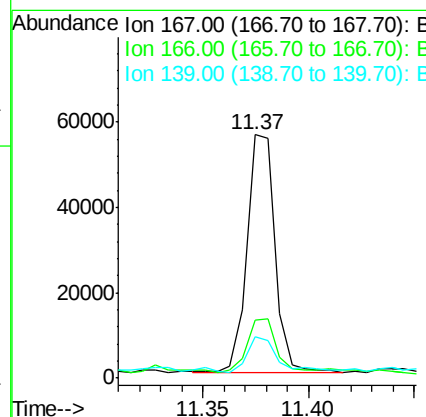
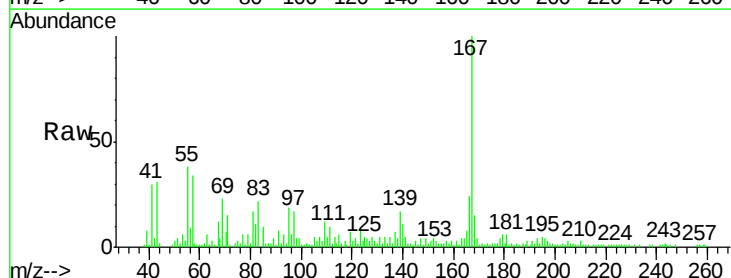
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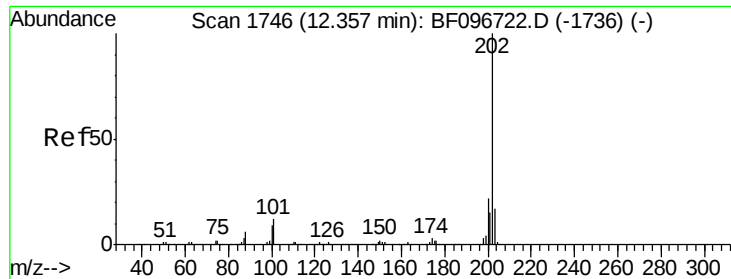
mohammad
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#72
 Carbazole
 Concen: 4.341 ng
 RT: 11.37 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.1	27.1
139	17.2	11.7	17.5





#74

Fluoranthene

Concen: 78.091 ng

RT: 12.37 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Instrument :

BNA_F

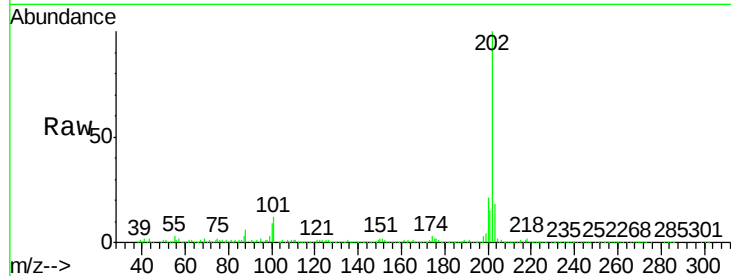
ClientSampleId :

E2-04-WSW

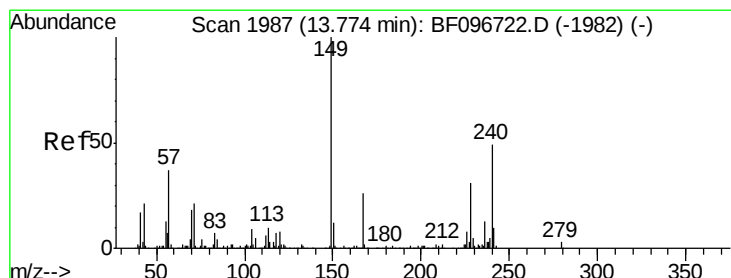
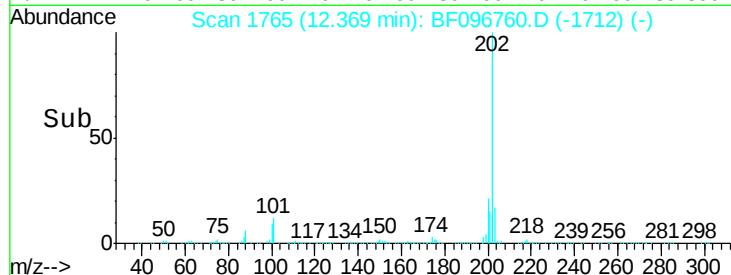
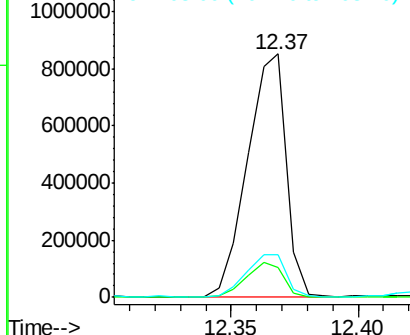
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		895696		
101	12.1	0.0	33.2		
203	17.5	0.0	38.1		

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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: 20.000 ng

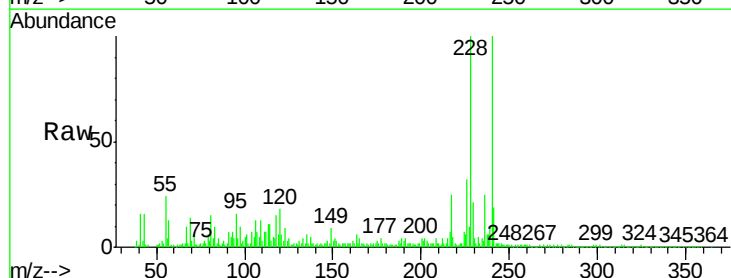
RT: 13.79 min Scan# 2006

Delta R.T. 0.01 min

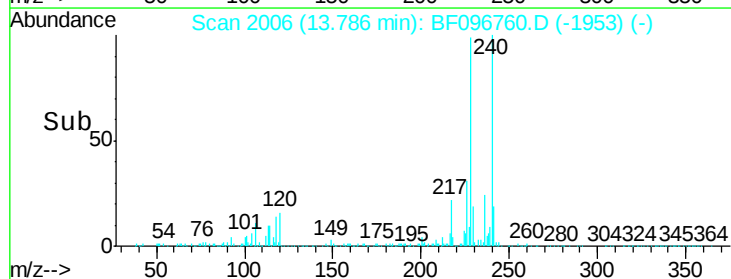
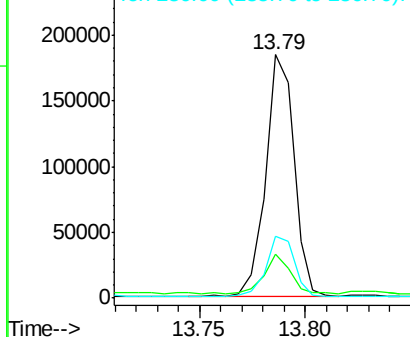
Lab File: BF096760.D

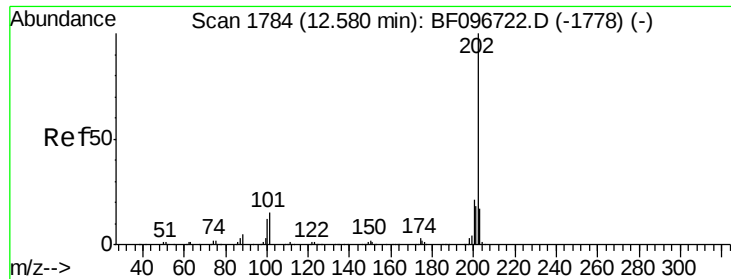
Acq: 14 Jul 2017 6:27

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		173652		
120	18.1	5.8	8.8#		
236	25.4	20.5	30.7		



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





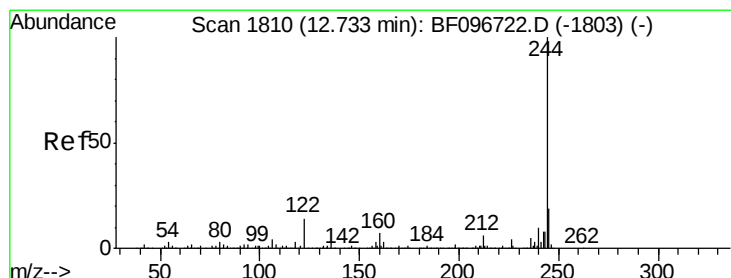
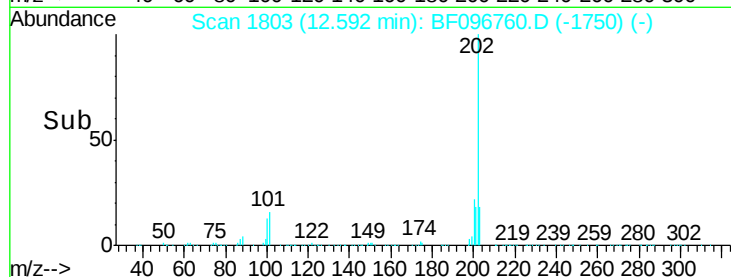
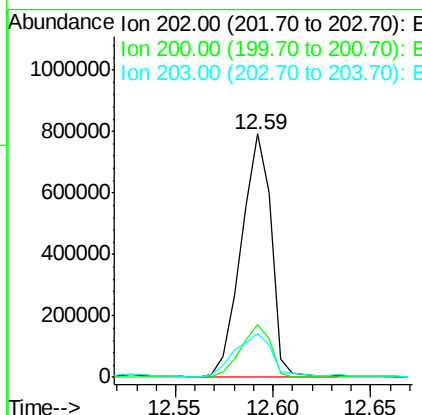
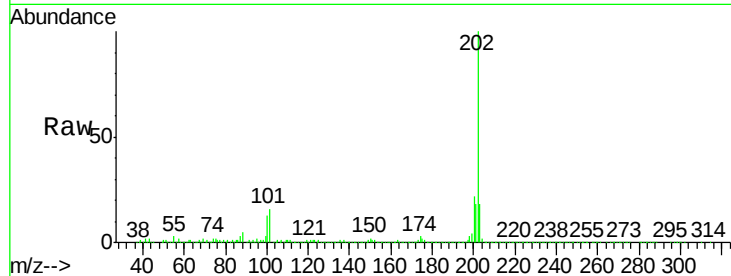
#77
 Pyrene
 Concen: 52.851 ng
 RT: 12.59 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-WSW

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	18.2	14.4	21.6

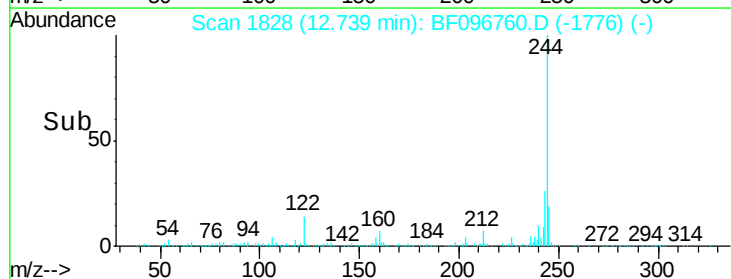
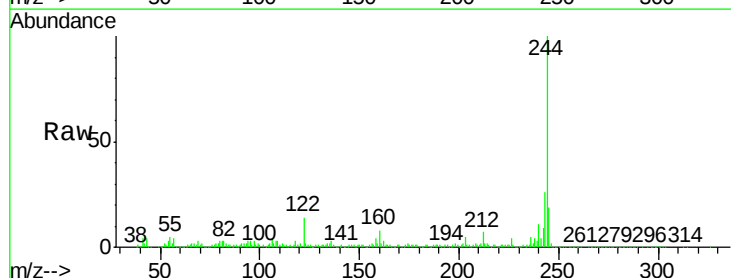
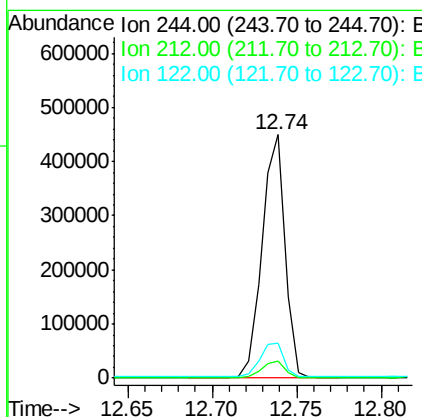
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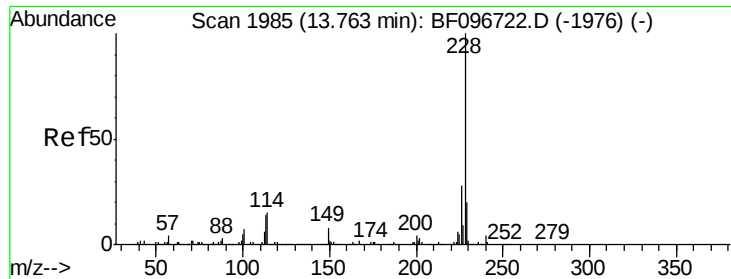
mohammad
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#78
 Terphenyl-d14
 Concen: 42.213 ng
 RT: 12.74 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

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





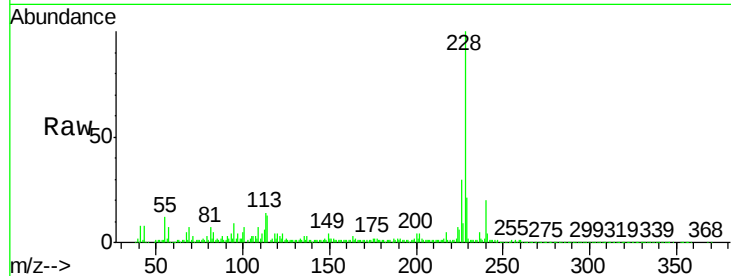
#80
Benzo(a)anthracene
Concen: 35.047 ng
RT: 13.78 min Scan# 2005
Delta R.T. 0.02 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

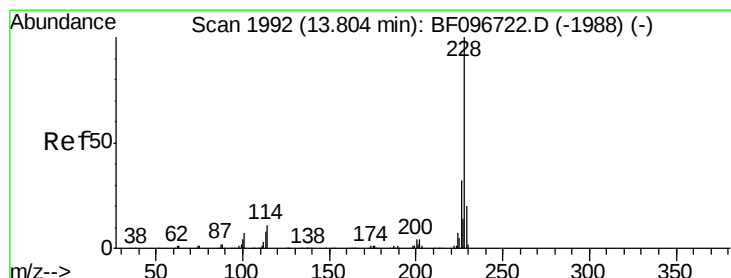
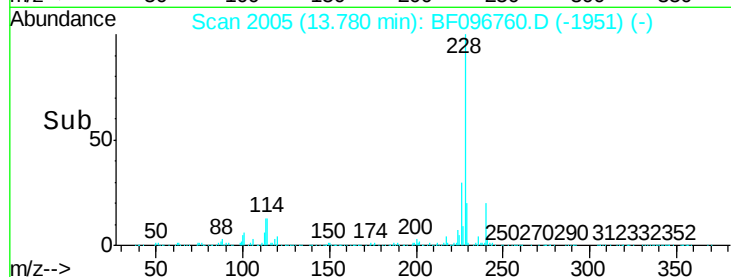
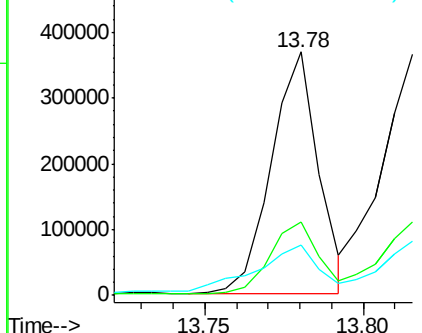
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	20.8	16.3	24.5

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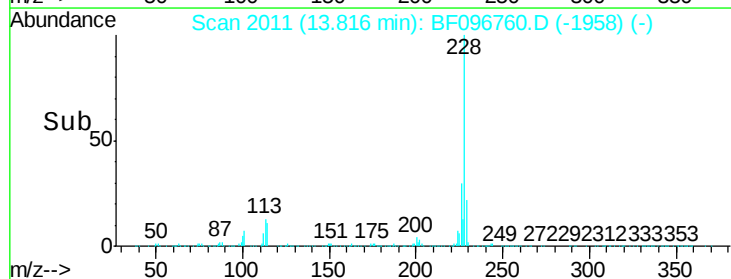
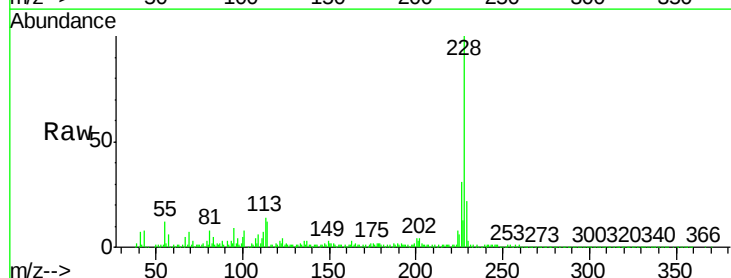
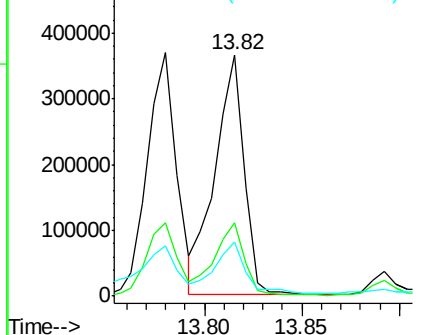
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

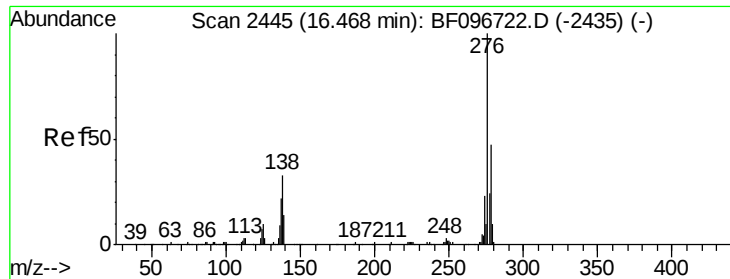


#82
Chrysene
Concen: 35.394 ng
RT: 13.82 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.3	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





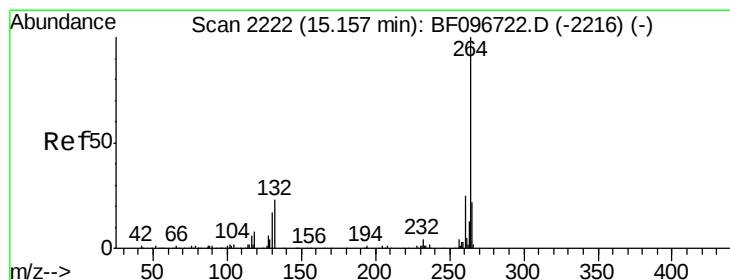
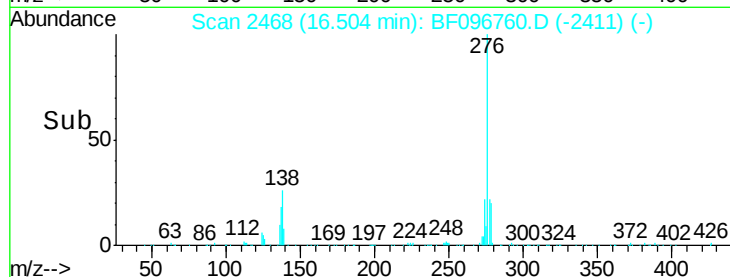
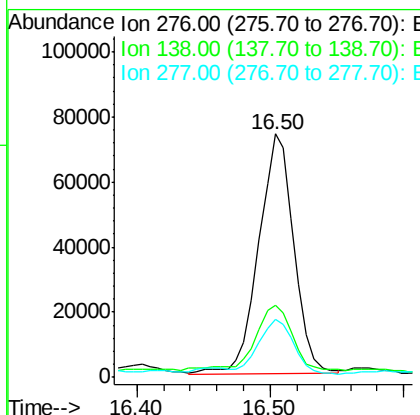
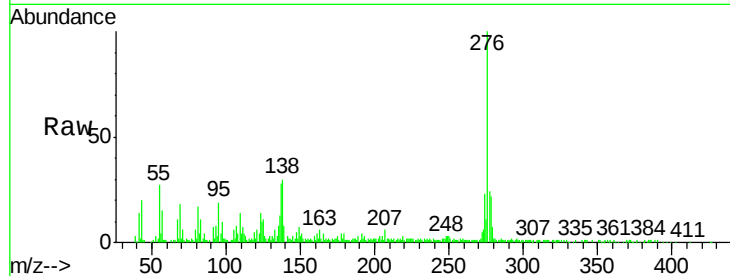
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.229 ng
RT: 16.50 min Scan# 2468
Delta R.T. 0.04 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.5	27.8	41.6
277	22.8	20.2	30.4

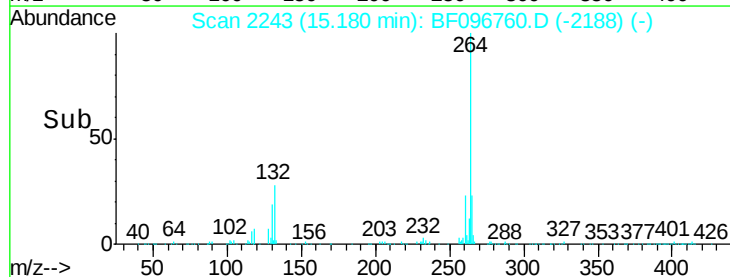
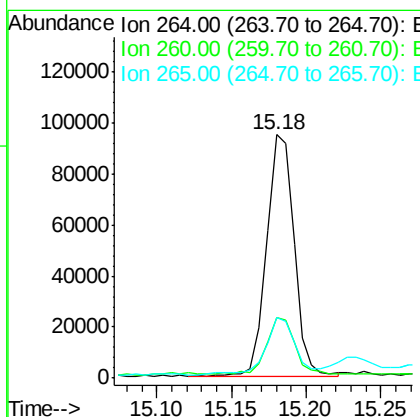
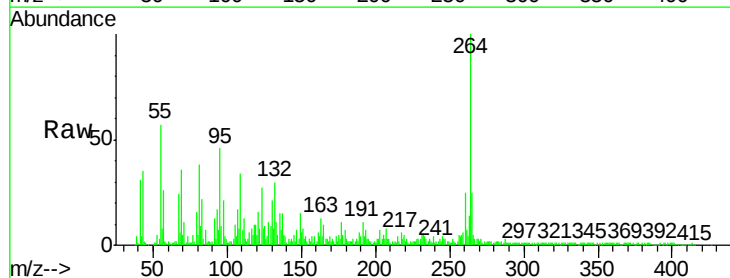
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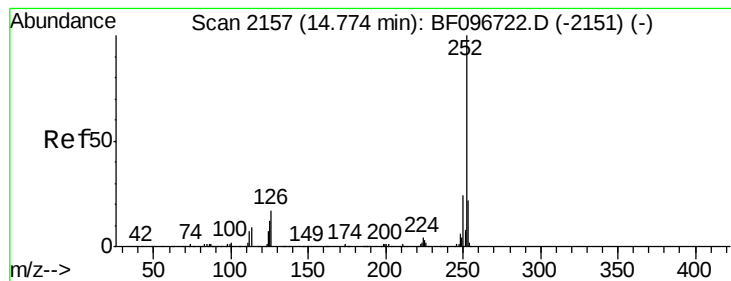
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2243
Delta R.T. 0.02 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.8	19.5	29.3
265	25.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 47.422 ng m

RT: 14.80 min Scan# 2178

Delta R.T. 0.02 min

Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Instrument :

BNA_F

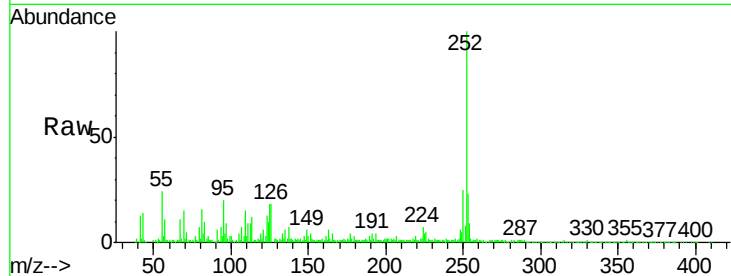
ClientSampleId :

E2-04-WSW

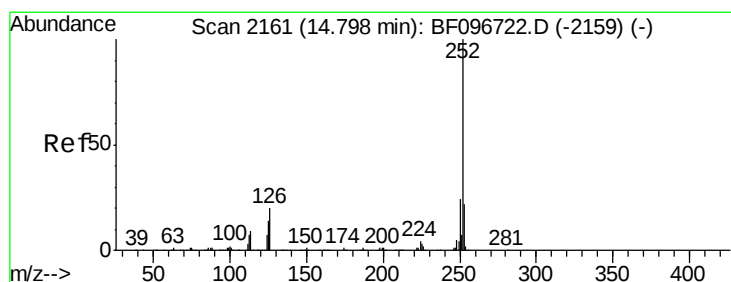
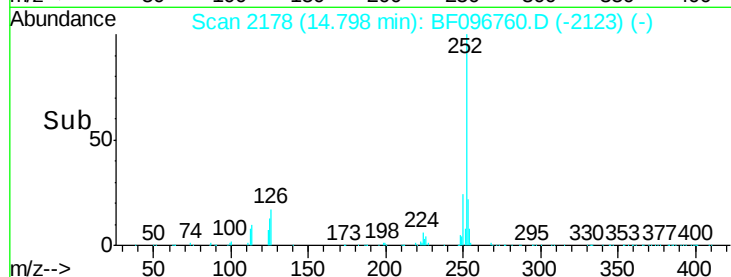
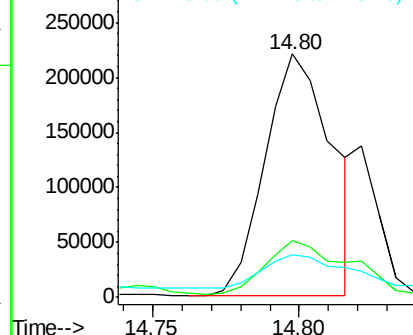
Tgt Ion:	252	Resp:	347144
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	17.7	9.8	14.8#

Manual Integrations
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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



#88

Benzo(k)fluoranthene

Concen: 12.612 ng m

RT: 14.82 min Scan# 2182

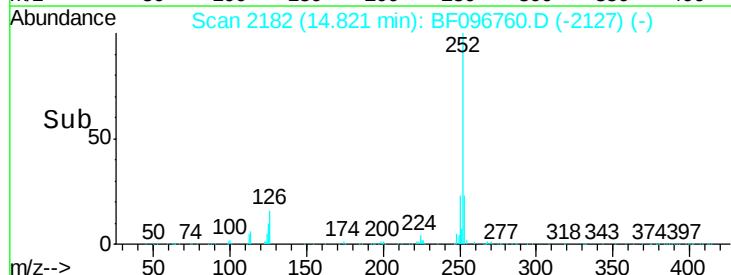
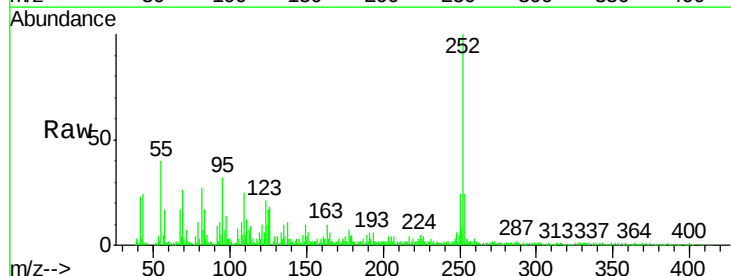
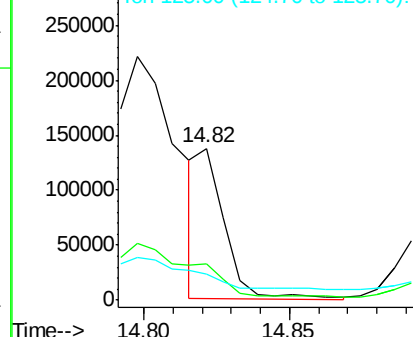
Delta R.T. 0.02 min

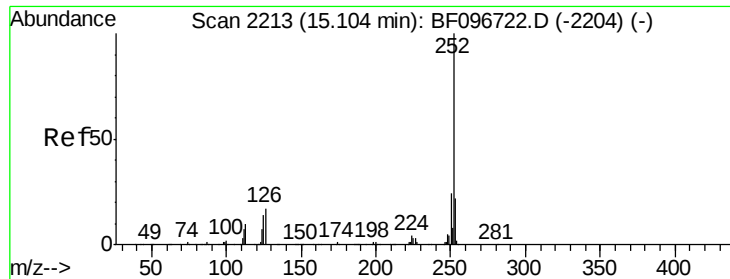
Lab File: BF096760.D

Acq: 14 Jul 2017 6:27

Tgt Ion:	252	Resp:	87424
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	17.4	13.1	19.7

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





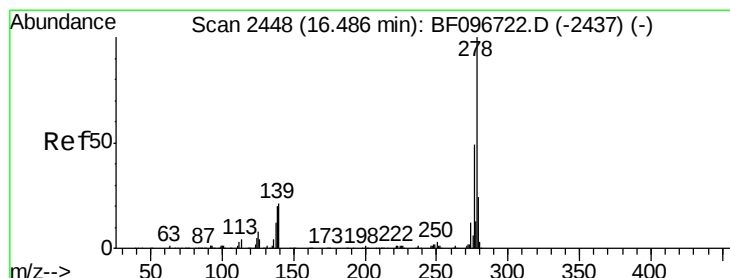
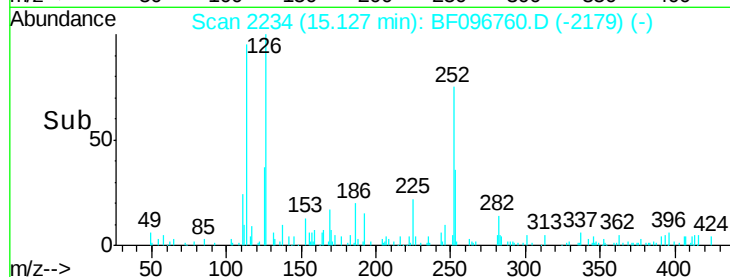
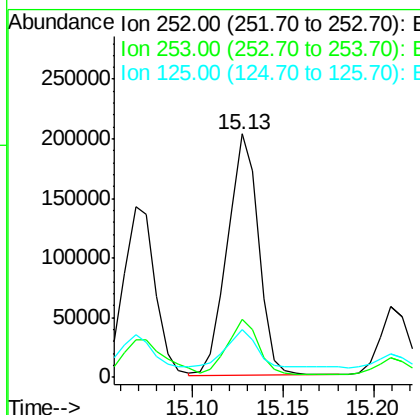
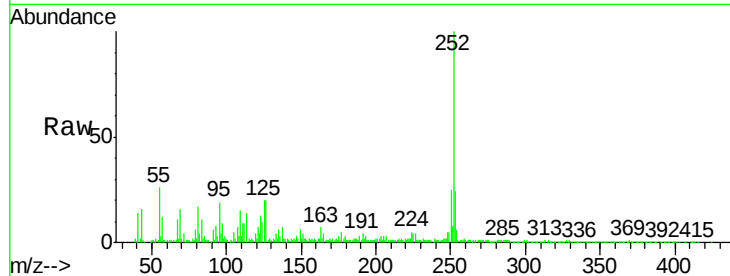
#89
Benzo(a)pyrene
Concen: 36.021 ng
RT: 15.13 min Scan# 2234
Delta R.T. 0.02 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-04-WSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	17.5	26.3
125	19.6	11.0	16.4

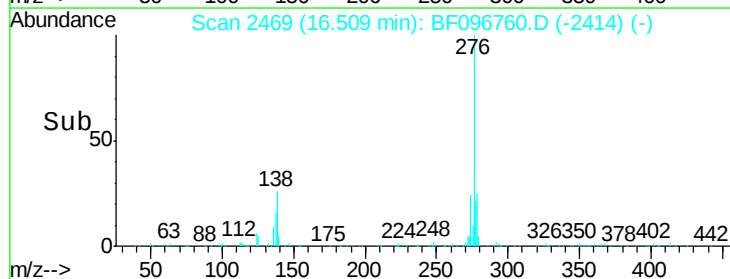
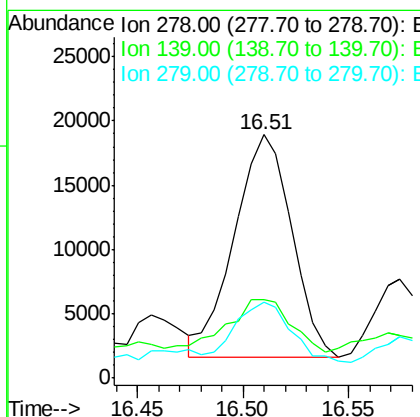
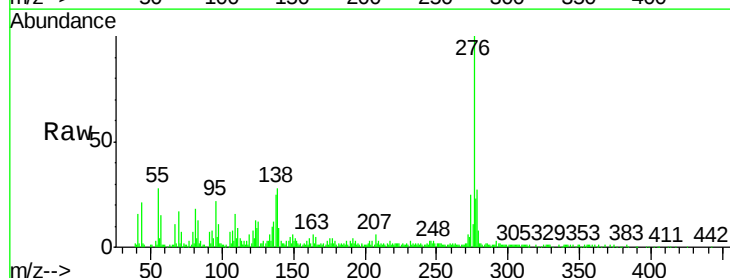
Manual Integrations
APPROVED

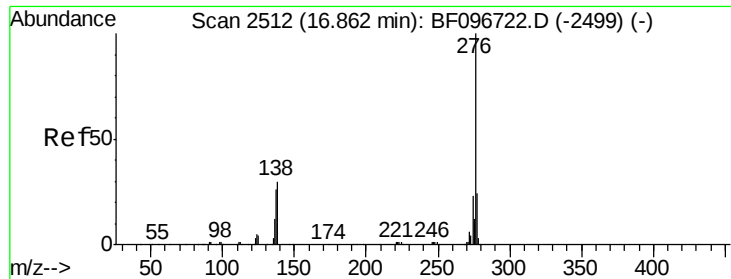
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 5.300 ng
RT: 16.51 min Scan# 2469
Delta R.T. 0.02 min
Lab File: BF096760.D
Acq: 14 Jul 2017 6:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	32.4	16.6	24.8
279	31.4	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 19.444 ng
 RT: 16.90 min Scan# 2536
 Delta R.T. 0.04 min
 Lab File: BF096760.D
 Acq: 14 Jul 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-WSW

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	30.7	25.4	38.0

Manual Integrations
 APPROVED

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