

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096759.D
 Acq On : 14 Jul 2017 6:00
 Operator : SJ/JU
 Sample : I4172-06
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-BASE

Manual Integrations
 APPROVED

mohammad
 7/17/2017 8:12:15 AM

Quant Time: Jul 14 07:49:44 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	115125	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	421021	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	134708	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	219946	20.00	ng	0.00
75) Chrysene-d12	13.77	240	197214	20.00	ng	0.00
86) Perylene-d12	15.16	264	141874	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	688623	89.94	ng	0.01
7) Phenol-d6	6.28	99	725679	78.98	ng	0.00
23) Nitrobenzene-d5	7.20	82	432612	63.65	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	105225	91.51	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	584738	68.58	ng	0.00
78) Terphenyl-d14	12.73	244	447897	39.39	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.39	163	85046	8.385	ng	98
70) Phenanthrene	11.17	178	230140	19.244	ng	98
71) Anthracene	11.22	178	38530	3.186	ng	95
74) Fluoranthene	12.36	202	302089	26.390	ng	96
77) Pyrene	12.58	202	282441	15.780	ng	98
80) Benzo(a)anthracene	13.76	228	105139	8.556	ng	96
82) Chrysene	13.80	228	103073	8.521	ng	99
85) Indeno(1,2,3-cd)pyrene	16.47	276	35441	6.367	ng	94
87) Benzo(b)fluoranthene	14.77	252	97381m	11.381	ng	
88) Benzo(k)fluoranthene	14.80	252	28247m	3.486	ng	
89) Benzo(a)pyrene	15.10	252	67179	8.560	ng	99
91) Benzo(g,h,i)perylene	16.86	276	36524	4.723	ng	94

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

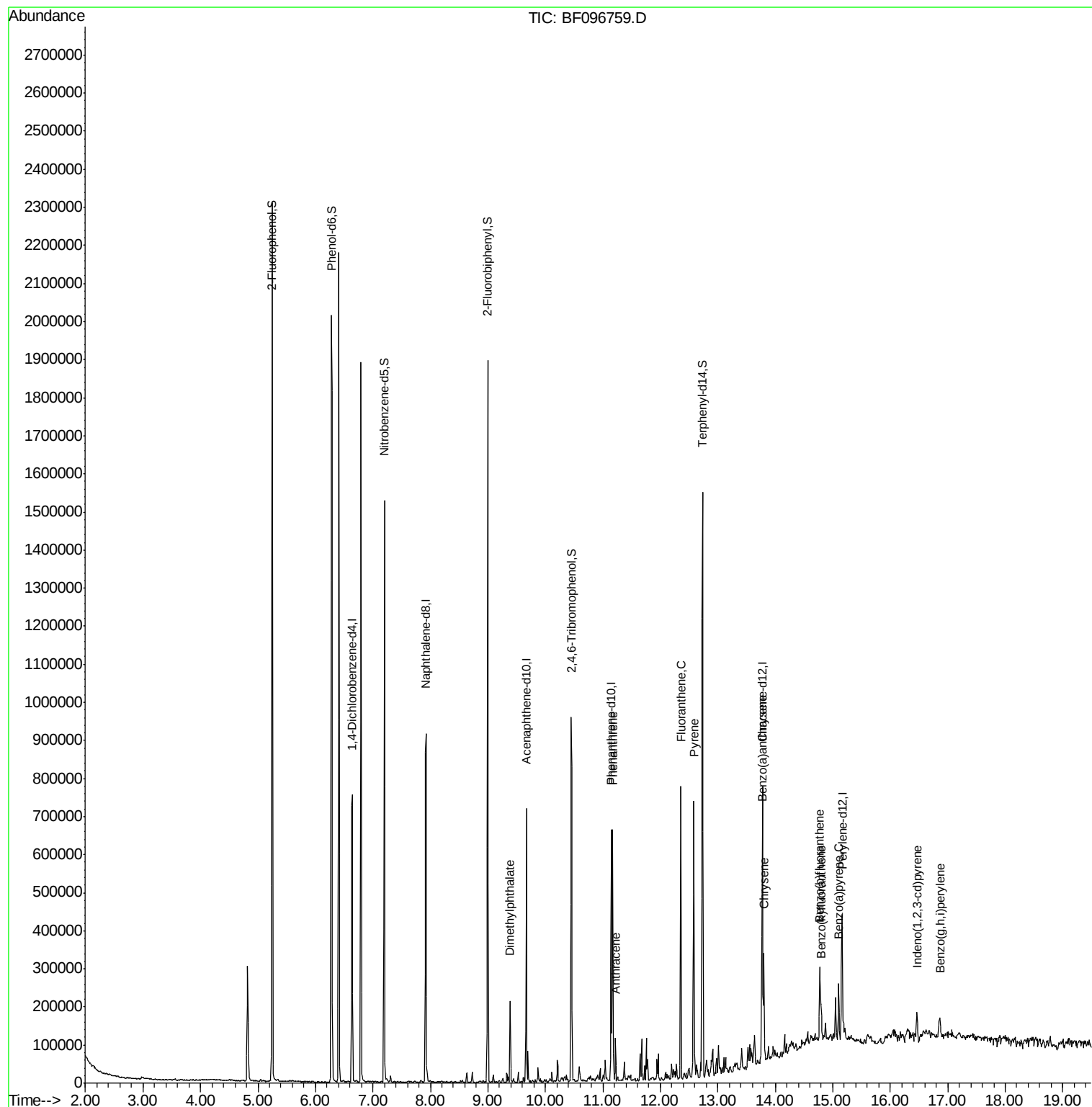
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Data File : BF096759.D
Acq On : 14 Jul 2017 6:00
Operator : SJ/JU
Sample : I4172-06
Misc :
ALS Vial : 39 Sample Multiplier: 1

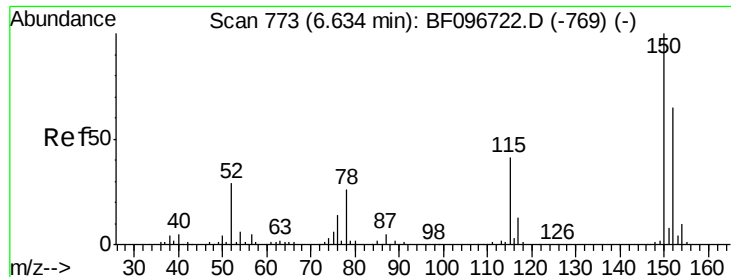
Instrument :
BNA_F
ClientSampleId :
E2-04-BASE

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Quant Time: Jul 14 07:49:44 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





#1

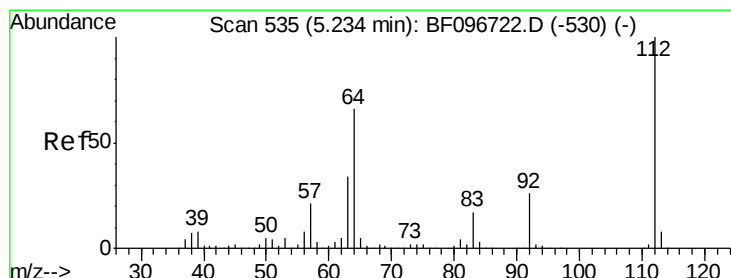
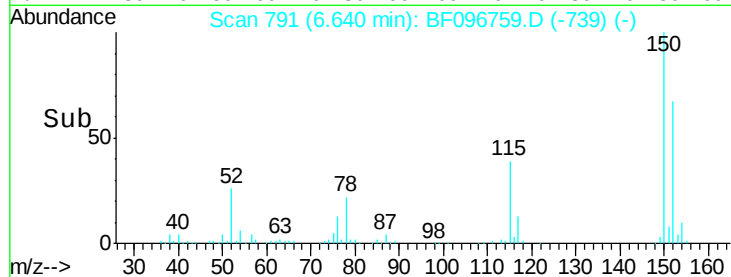
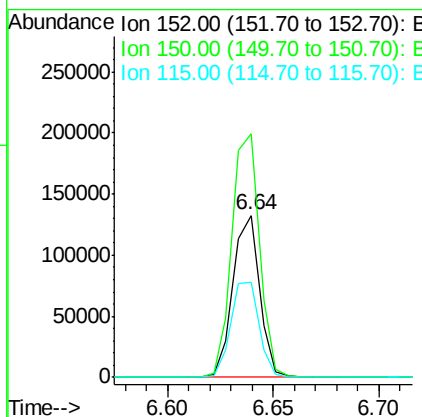
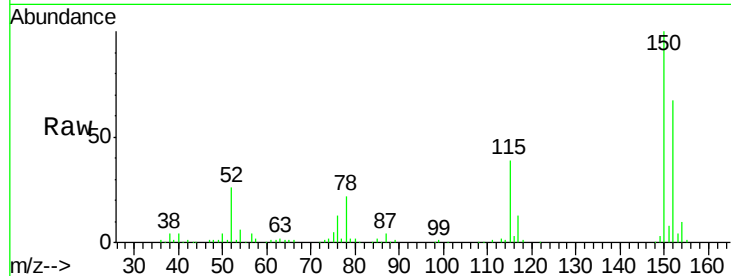
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-04-BASE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.1	126.2	189.2
115	58.6	52.2	78.2

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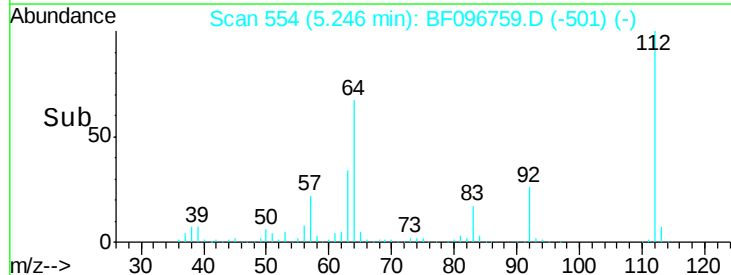
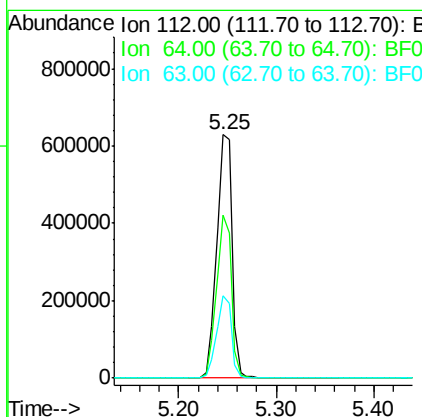
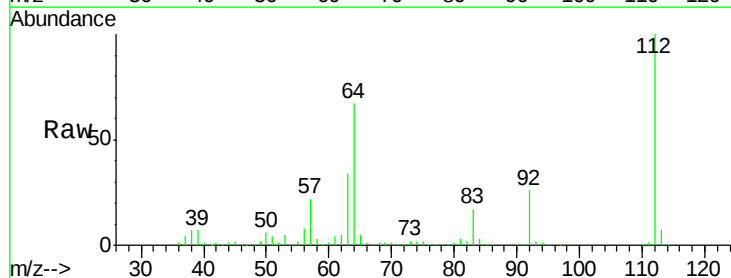
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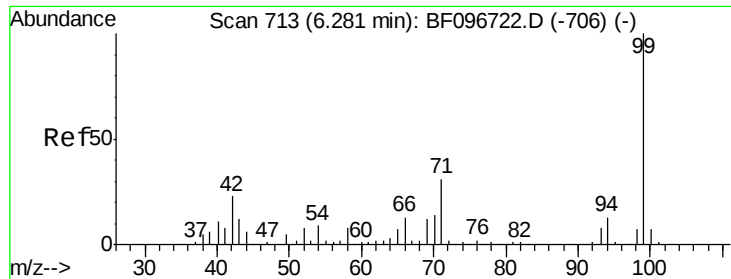


#5

2-Fluorophenol
Concen: 89.937 ng
RT: 5.25 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	46.0	69.0
63	33.8	23.4	35.0





#7

Phenol-d6

Concen: 78.979 ng

RT: 6.28 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-04-BASE

Tgt Ion: 99 Resp: 725679
Ion Ratio Lower Upper

99 100

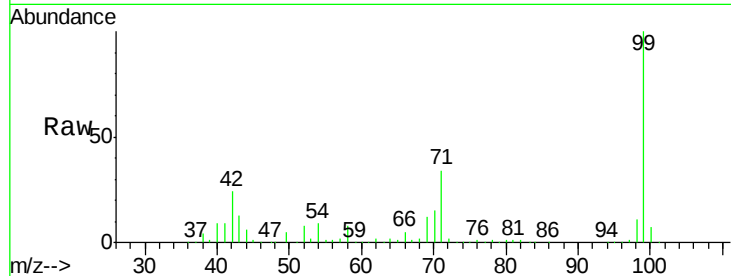
42 23.7 13.5 20.3#

71 33.9 24.5 36.7

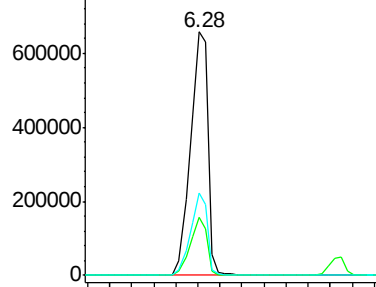
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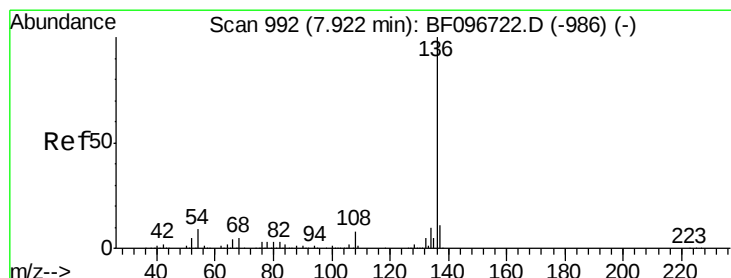
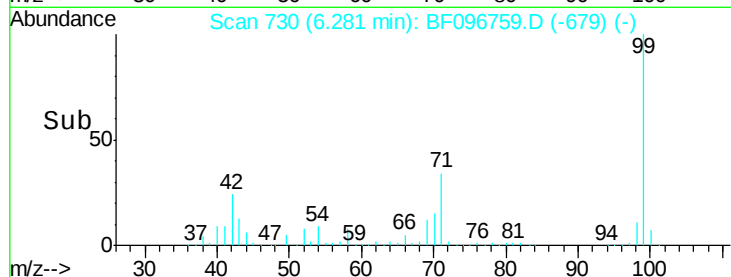
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Tgt Ion: 136 Resp: 421021
Ion Ratio Lower Upper

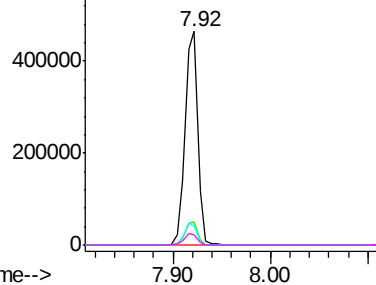
136 100

137 10.8 8.5 12.7

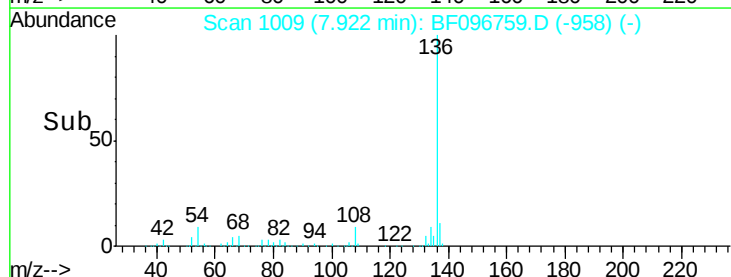
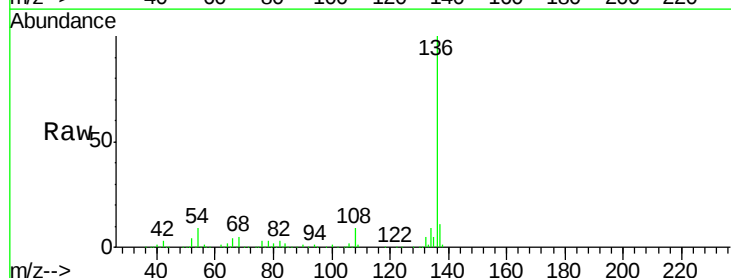
54 9.1 4.9 7.3#

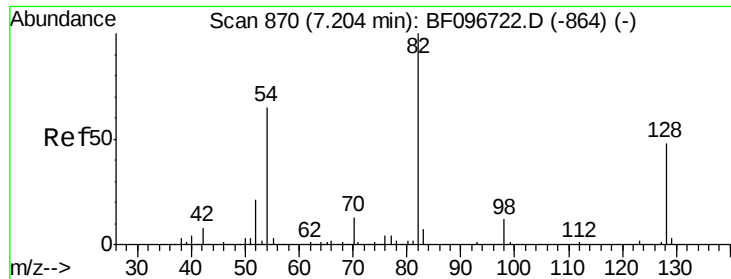
68 5.1 4.1 6.1

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



Time-->





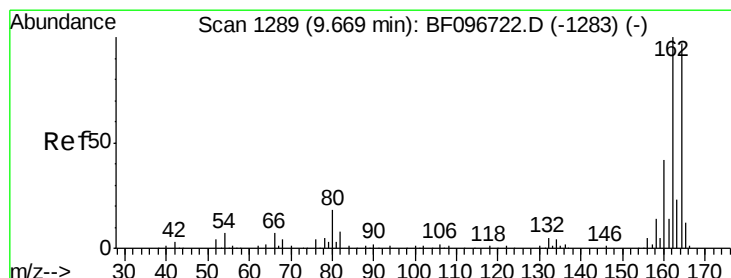
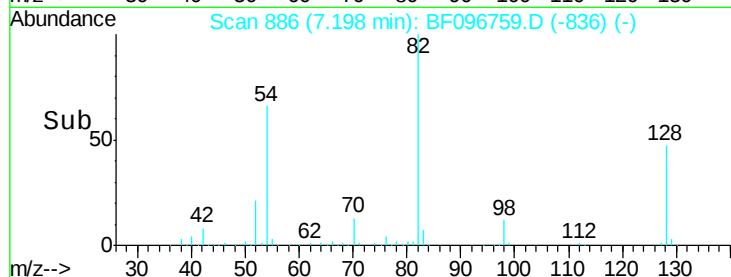
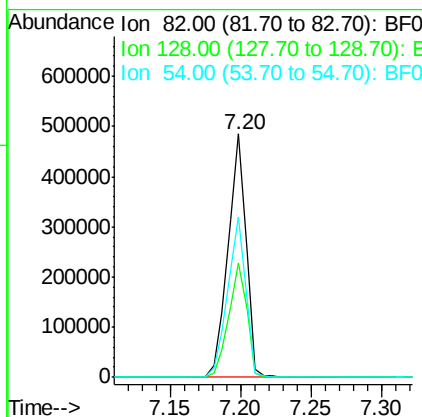
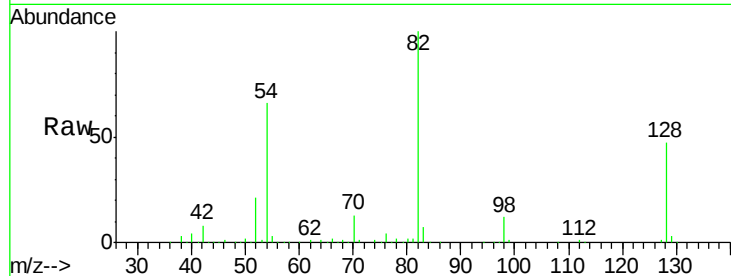
#23
 Nitrobenzene-d5
 Concen: 63.646 ng
 RT: 7.20 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF096759.D
 Acq: 14 Jul 2017 6:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-04-BASE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.0	51.0
54	66.0	42.2	63.2

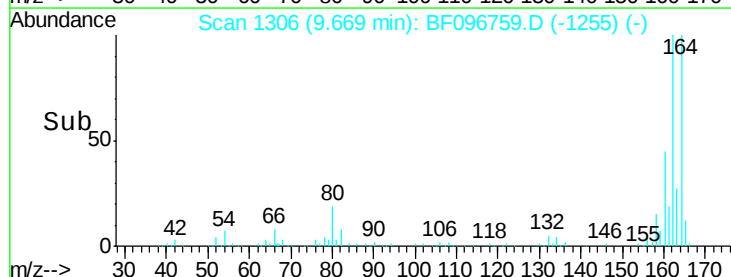
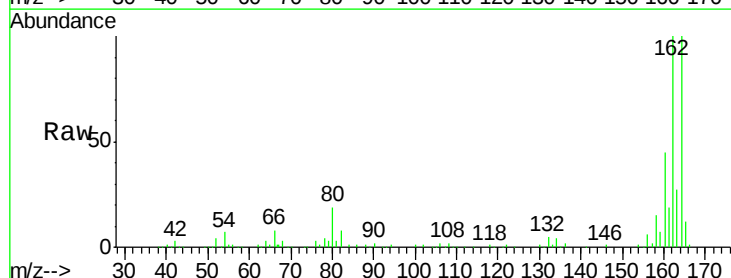
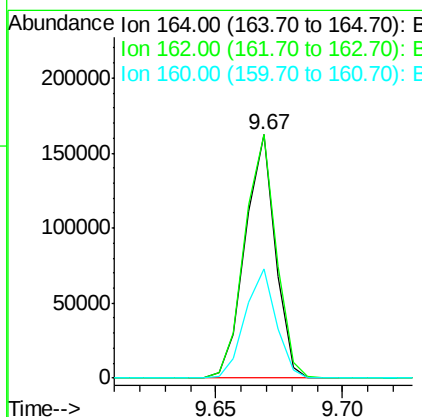
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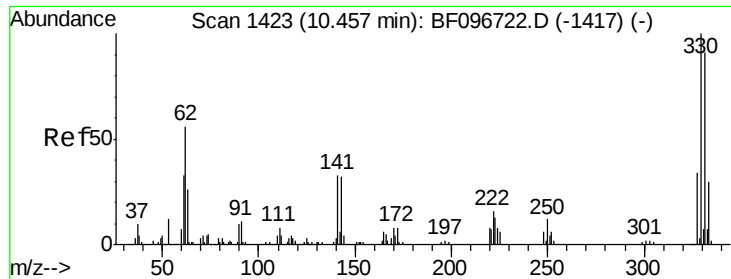
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF096759.D
 Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.6	123.8
160	45.1	36.2	54.2





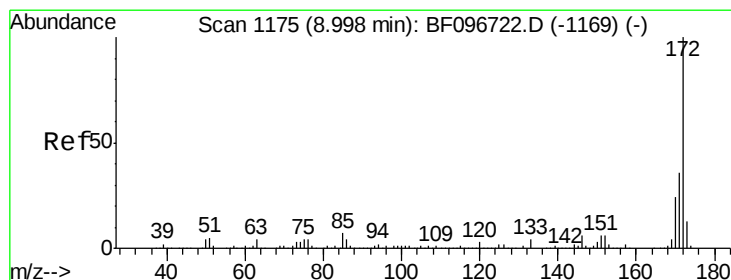
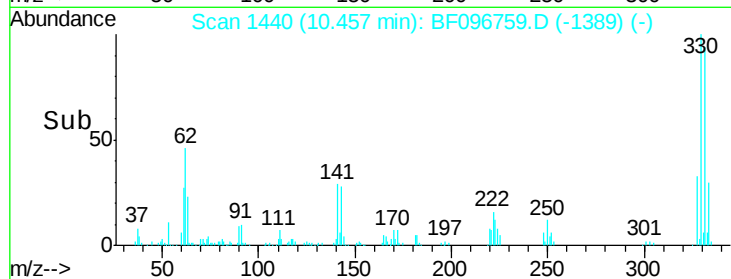
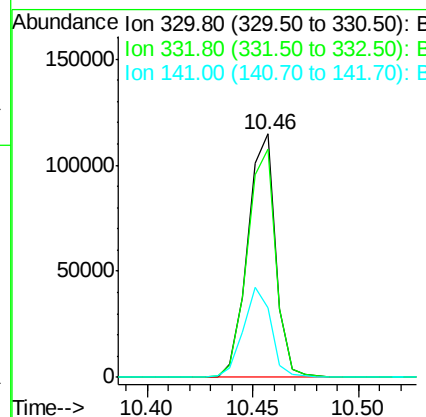
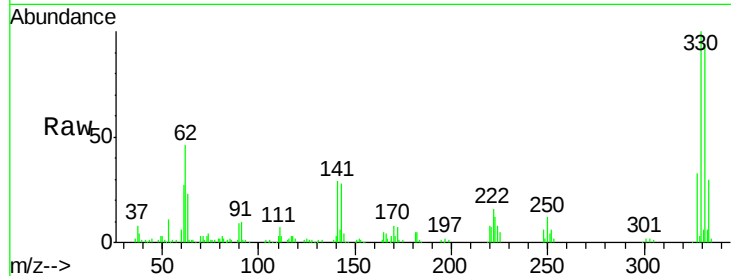
#41
 2,4,6-Tribromophenol
 Concen: 91.512 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF096759.D
 Acq: 14 Jul 2017 6:00

Instrument :
 BNA_F
 ClientSampled :
 E2-04-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	105225		
332	95.9	76.6	115.0	
141	36.9	31.4	47.2	

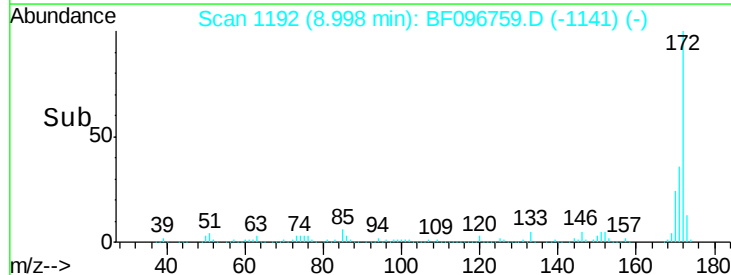
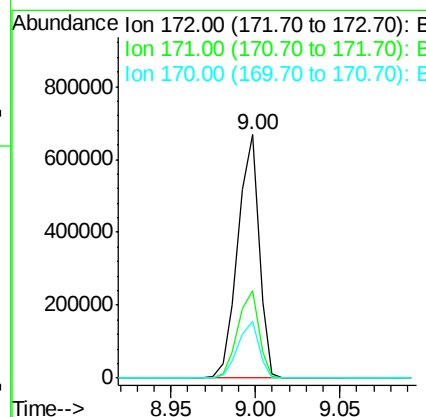
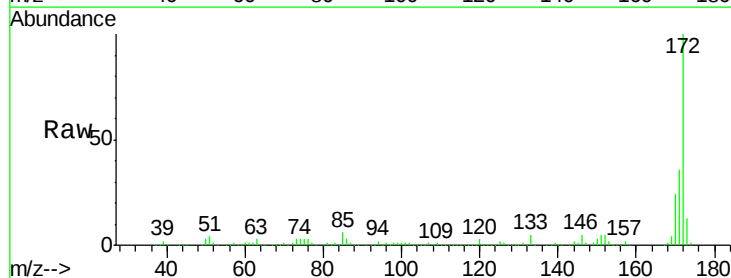
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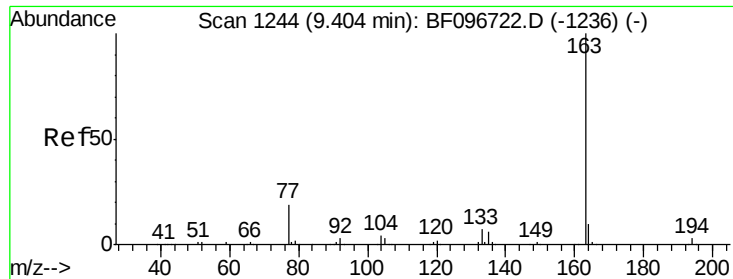
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 68.581 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096759.D
 Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	584738		
171	35.7	29.6	44.4	
170	23.5	19.8	29.8	





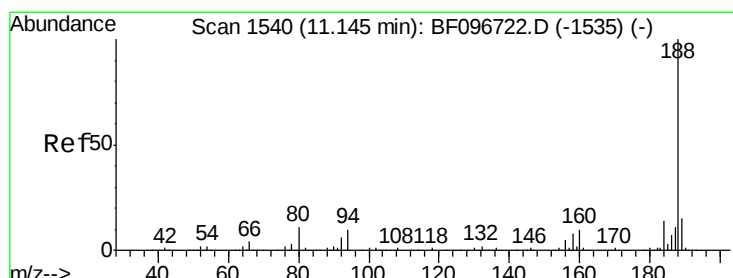
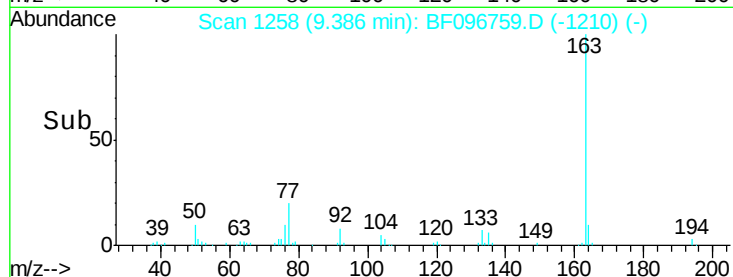
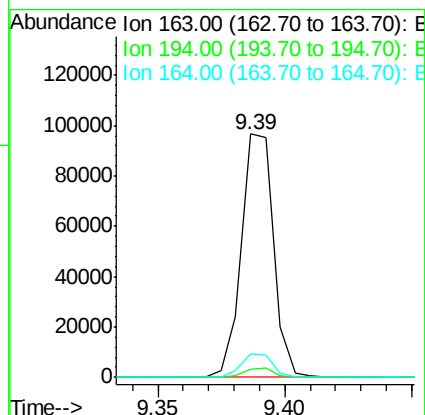
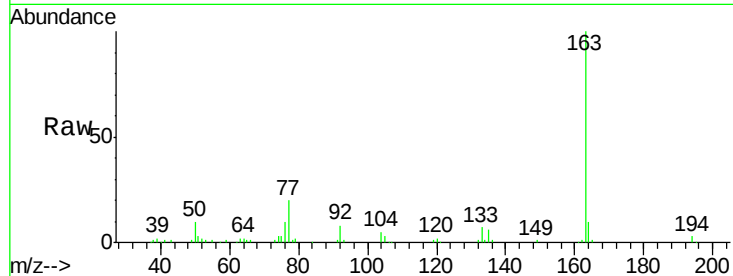
#49
Dimethylphthalate
Concen: 8.385 ng
RT: 9.39 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-04-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	9.7	8.4	12.6

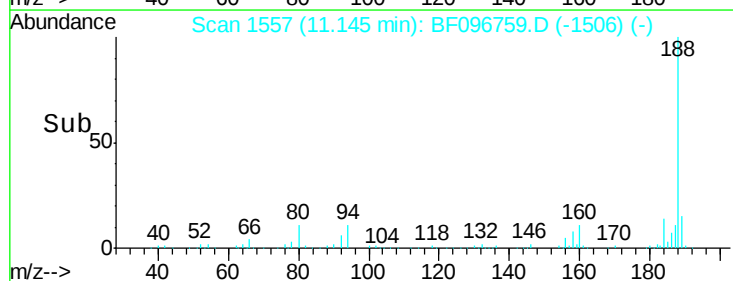
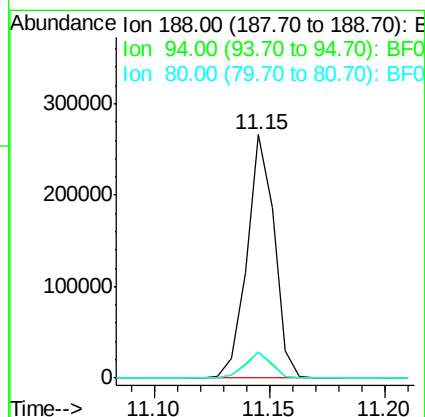
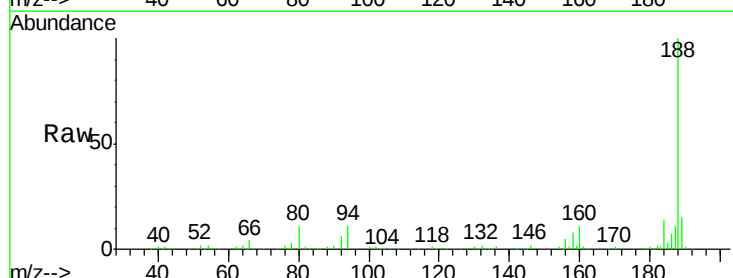
Manual Integrations
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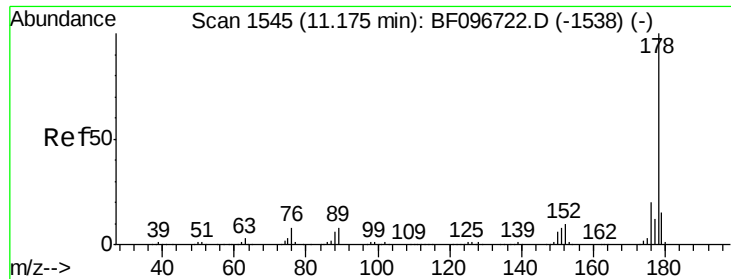
mohammad
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.7	9.4	14.2
80	10.6	10.2	15.2





#70

Phenanthrene

Concen: 19.244 ng

RT: 11.17 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Instrument :

BNA_F

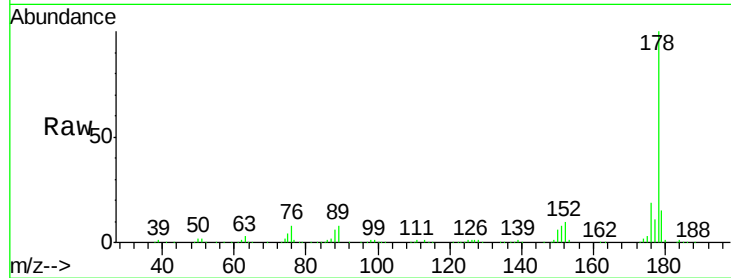
ClientSampleId :

E2-04-BASE

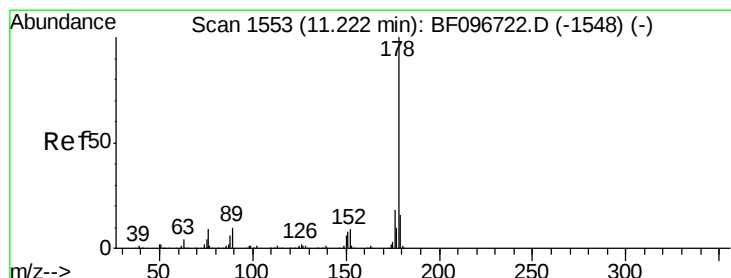
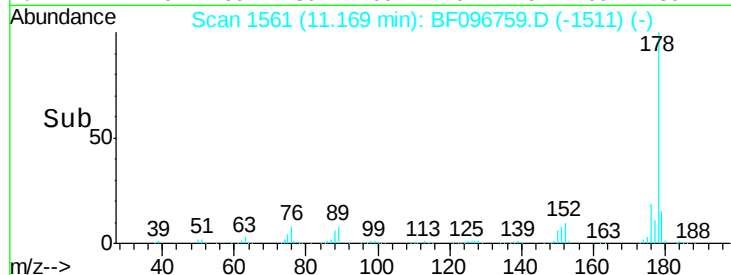
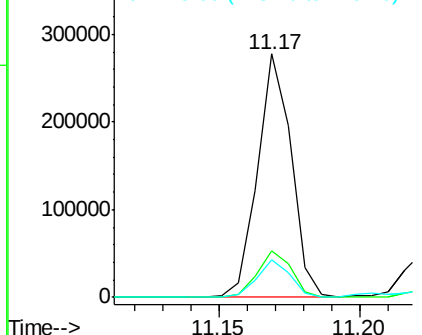
Tgt Ion:	178	Resp:	230140
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.2	12.6	19.0

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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



#71

Anthracene

Concen: 3.186 ng

RT: 11.22 min Scan# 1570

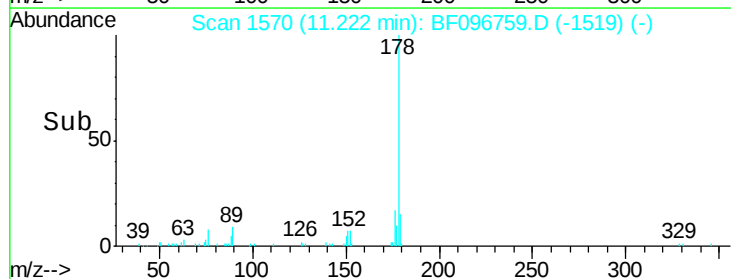
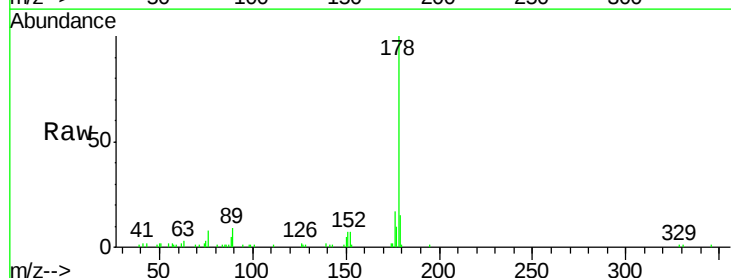
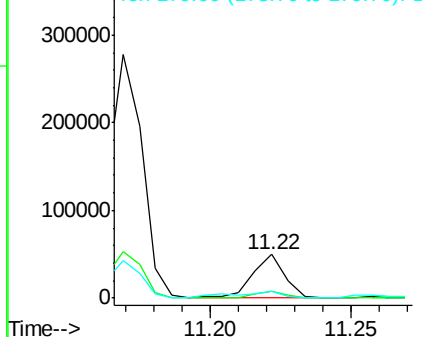
Delta R.T. -0.00 min

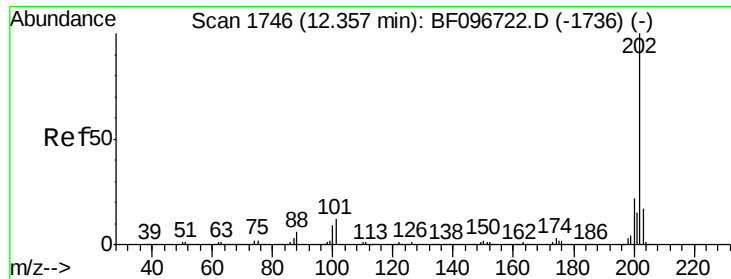
Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Tgt Ion:	178	Resp:	38530
Ion Ratio	Lower	Upper	
178	100		
176	16.5	15.8	23.8
179	14.9	12.7	19.1

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





#74

Fluoranthene

Concen: 26.390 ng

RT: 12.36 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Instrument :

BNA_F

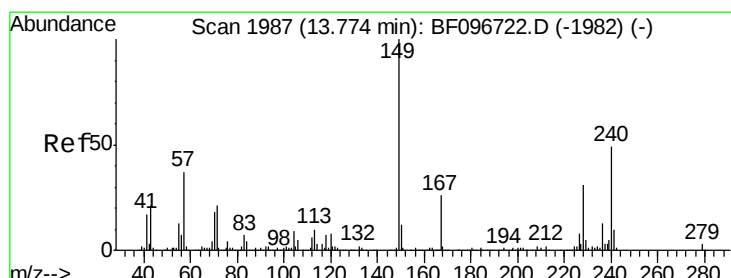
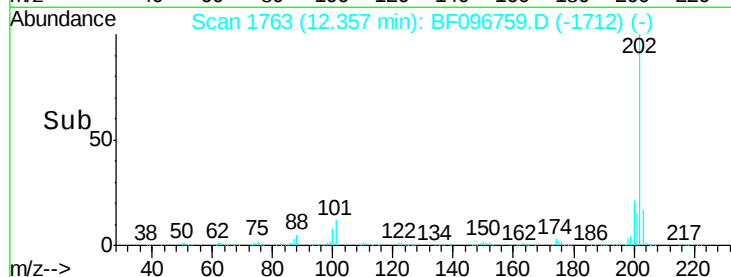
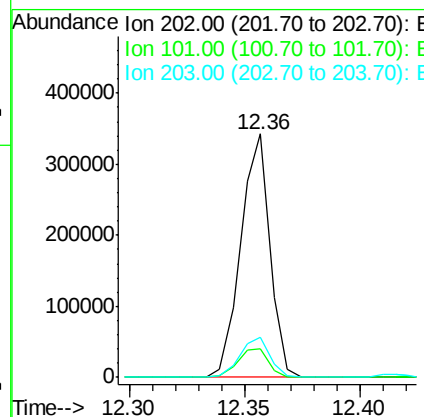
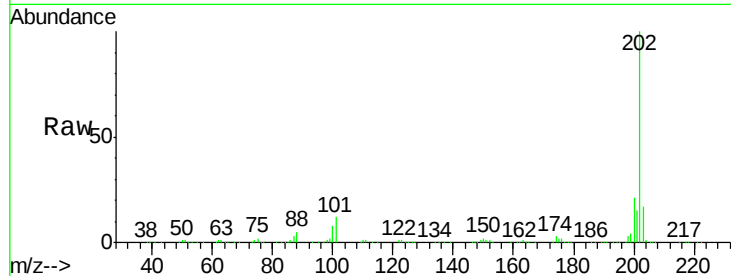
ClientSampleId :

E2-04-BASE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		302089		
101	11.6	0.0	33.2		
203	16.6	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

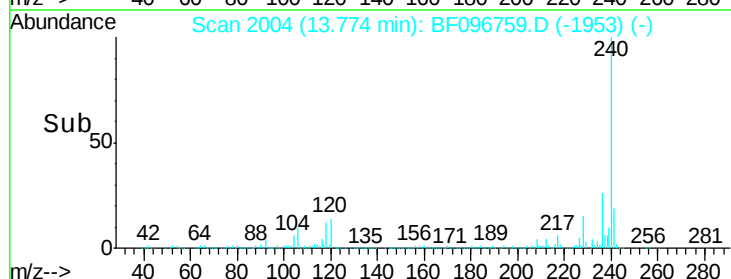
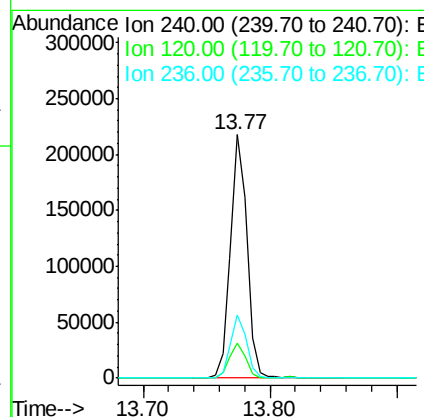
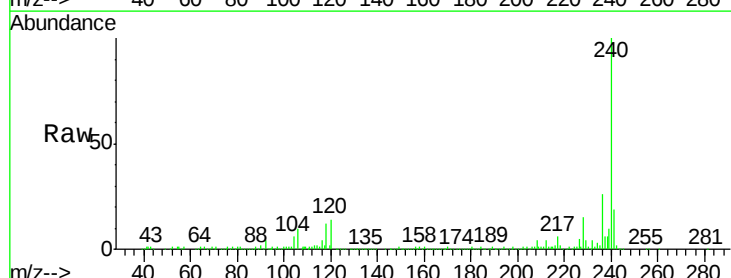
RT: 13.77 min Scan# 2004

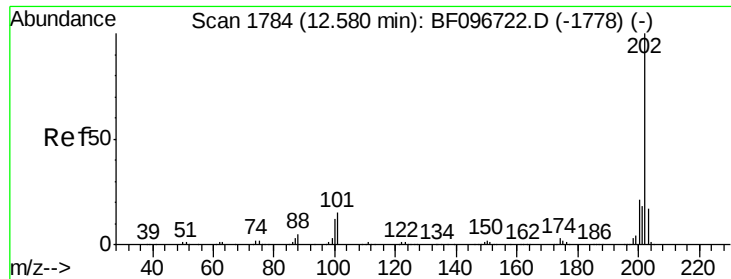
Delta R.T. 0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		197214		
120	14.4	5.8	8.8#		
236	25.7	20.5	30.7		





#77

Pyrene

Concen: 15.780 ng

RT: 12.58 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Instrument :

BNA_F

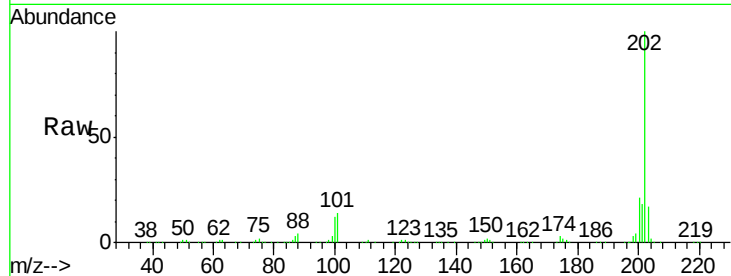
ClientSampleId :

E2-04-BASE

Tgt Ion:	202	Resp:	282441
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.4	14.4	21.6

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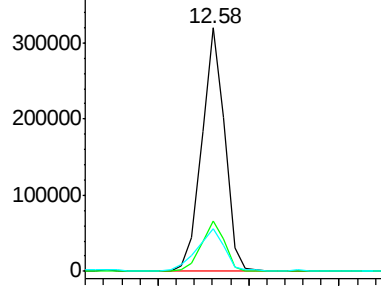
mohammad
7/17/2017 8:12:15 AM



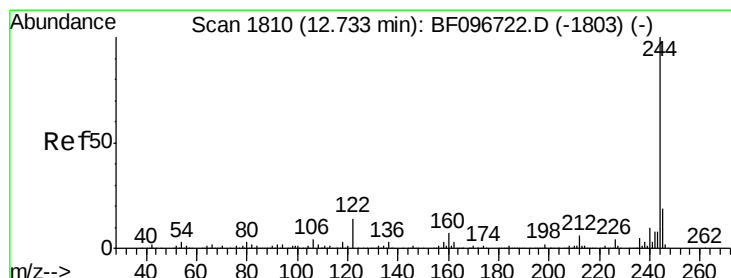
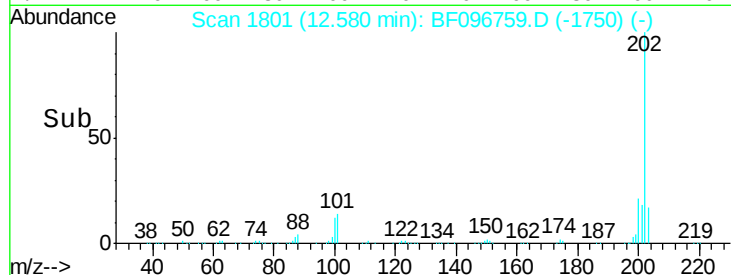
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 39.387 ng

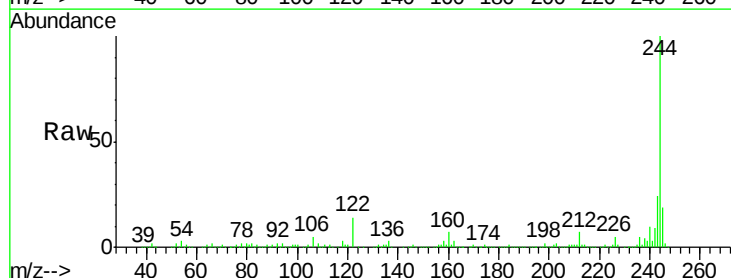
RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

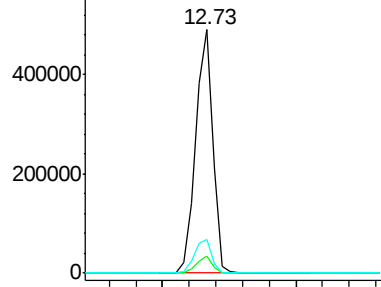
Tgt Ion:	244	Resp:	447897
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	13.9	10.3	15.5



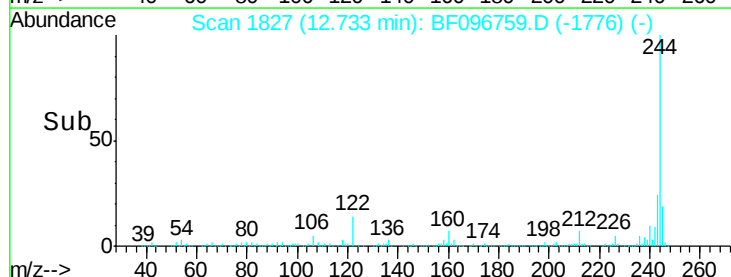
Abundance Ion 244.00 (243.70 to 244.70): E

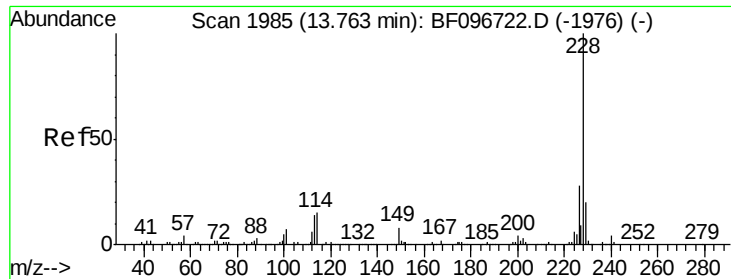
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





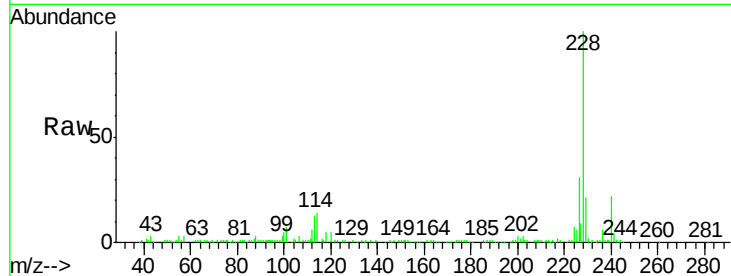
#80
Benzo(a)anthracene
Concen: 8.556 ng
RT: 13.76 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-04-BASE

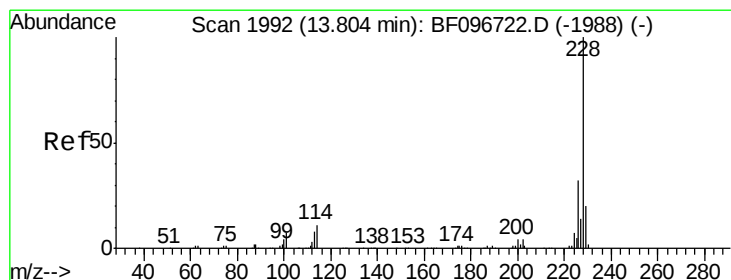
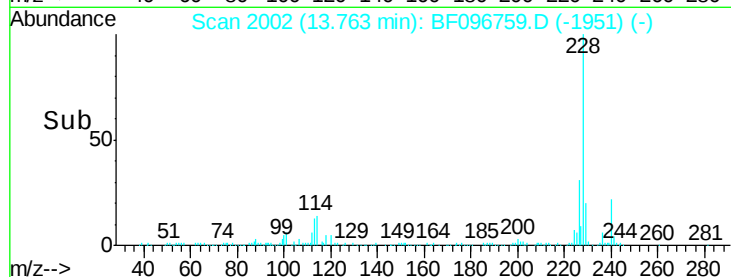
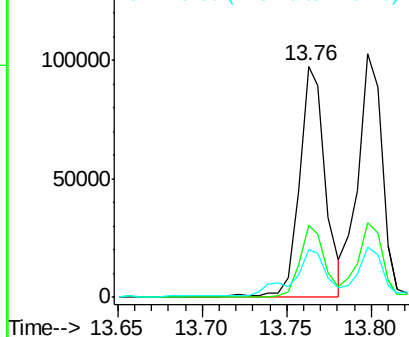
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	33.8
229	20.7	16.3	24.5

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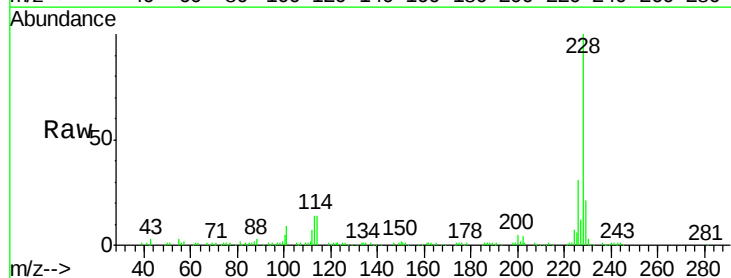


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

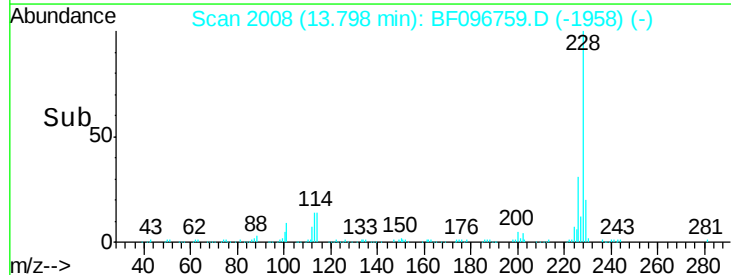
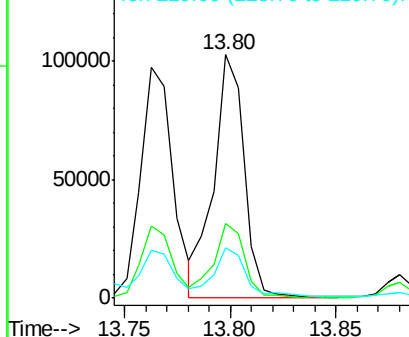


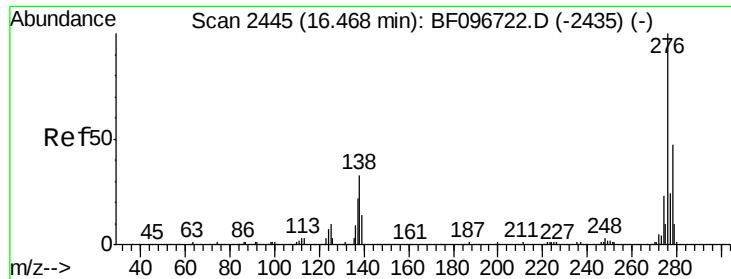
#82
Chrysene
Concen: 8.521 ng
RT: 13.80 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	20.6	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





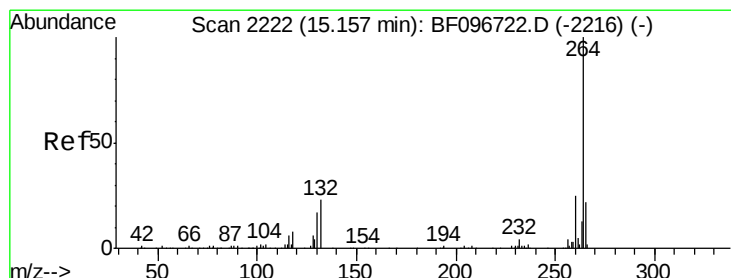
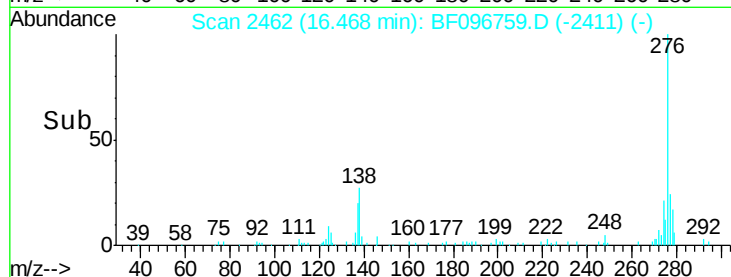
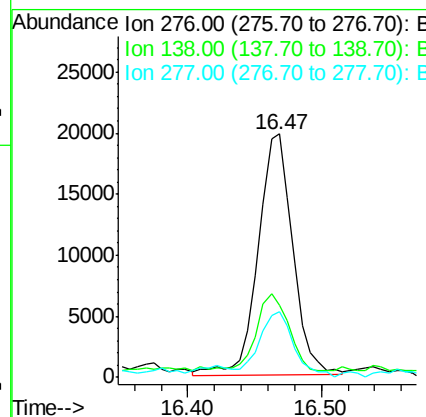
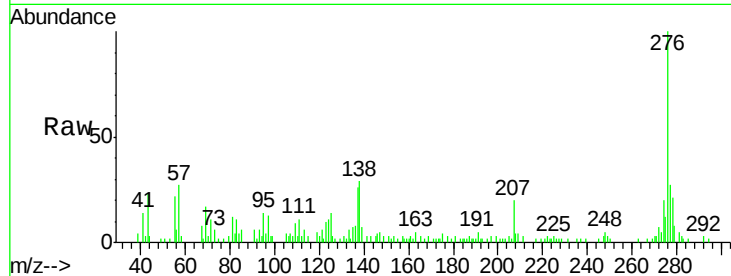
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.367 ng
 RT: 16.47 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: BF096759.D
 Acq: 14 Jul 2017 6:00

Instrument :
 BNA_F
 ClientSampled :
 E2-04-BASE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	27.4	20.2	30.4

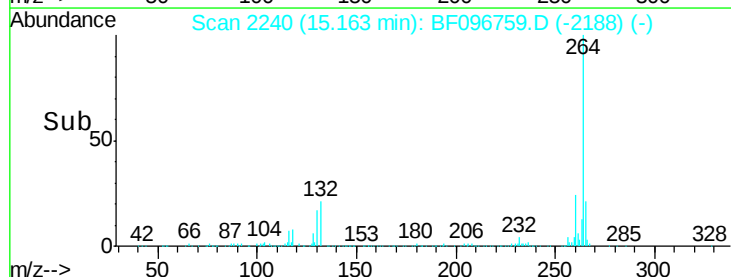
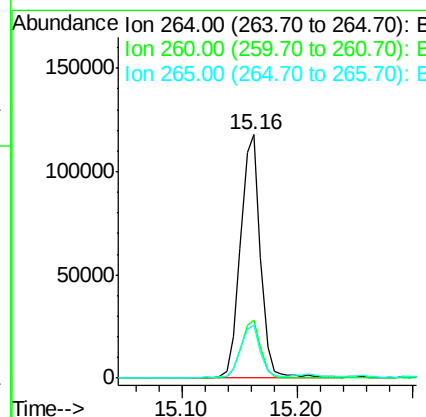
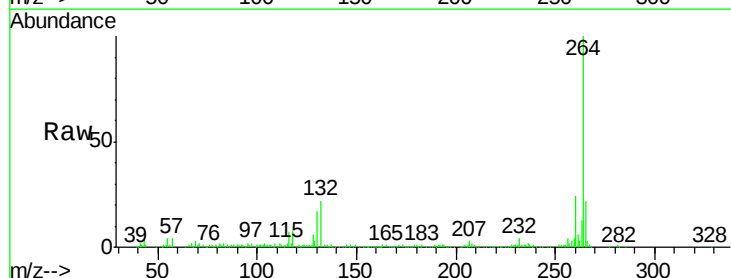
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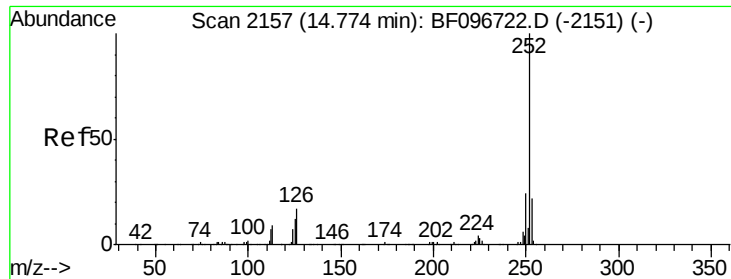
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.16 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: BF096759.D
 Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.6	17.2	25.8





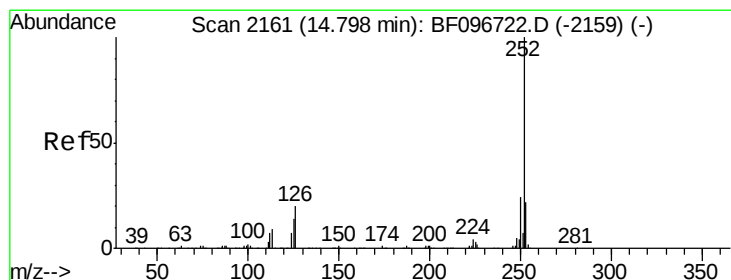
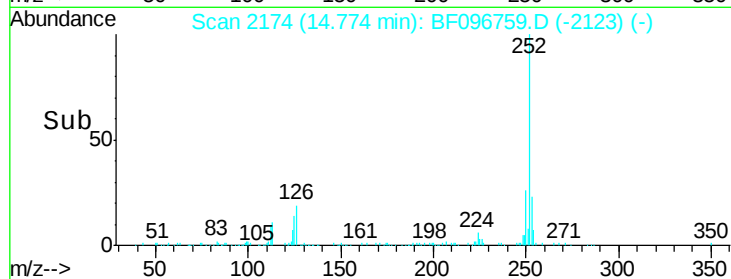
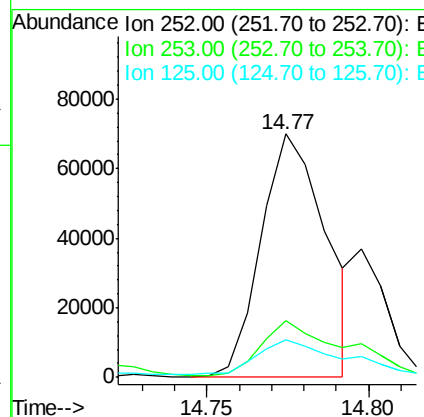
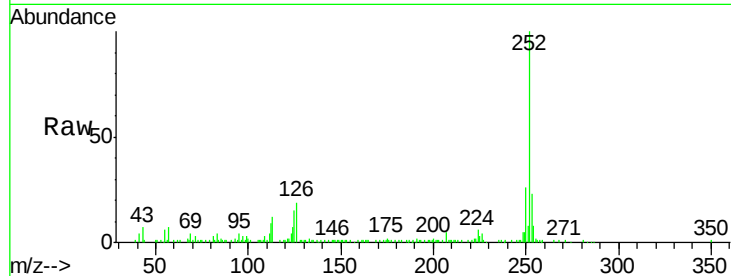
#87
Benzo(b)fluoranthene
Concen: 11.381 ng m
RT: 14.77 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-04-BASE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	15.4	9.8	14.8

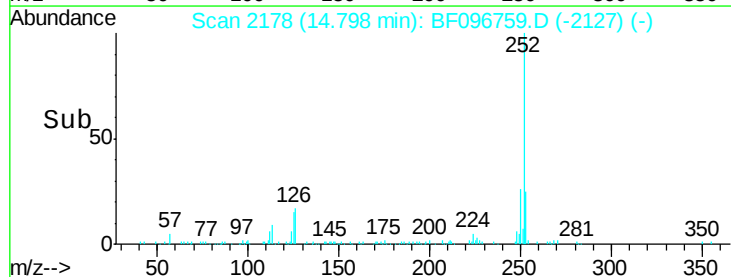
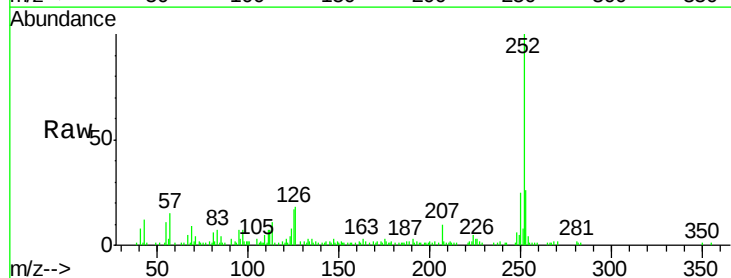
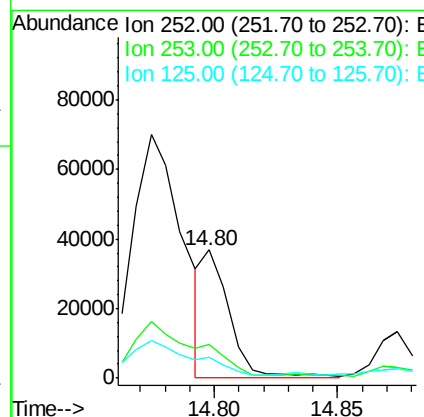
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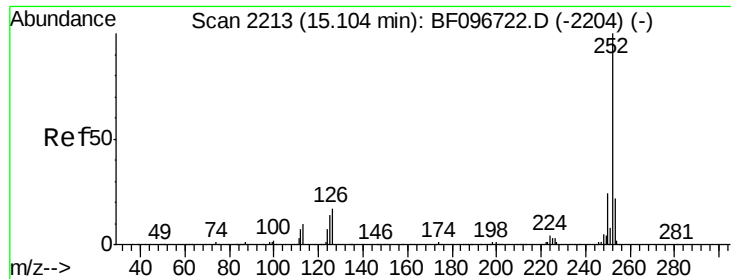
mohammad
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#88
Benzo(k)fluoranthene
Concen: 3.486 ng m
RT: 14.80 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BF096759.D
Acq: 14 Jul 2017 6:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	16.5	13.1	19.7





#89

Benzo(a)pyrene

Concen: 8.560 ng

RT: 15.10 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Instrument :

BNA_F

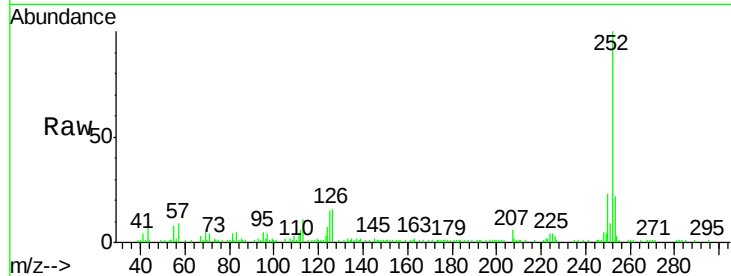
ClientSampleId :

E2-04-BASE

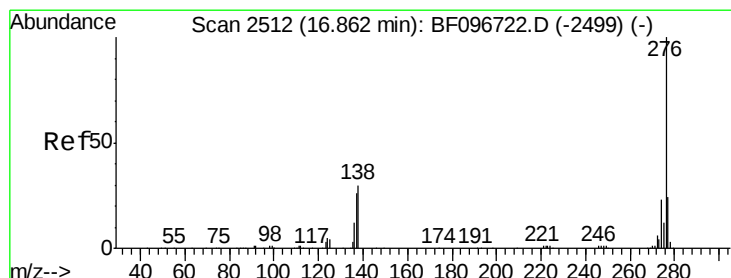
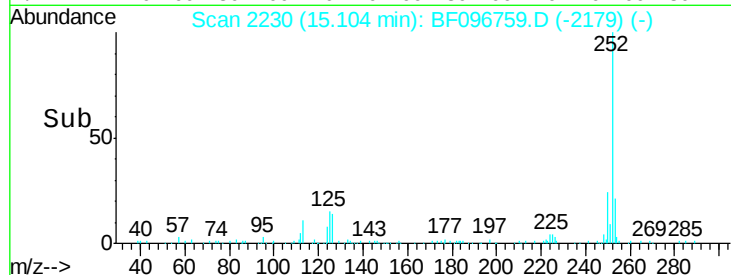
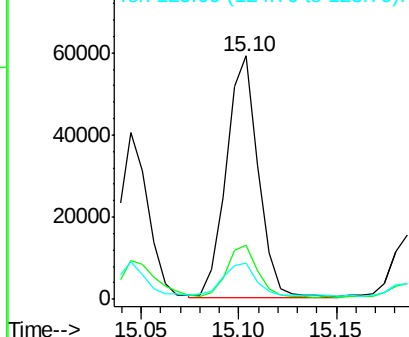
Tgt Ion:	252	Resp:	67179
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	14.6	11.0	16.4

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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



#91

Benzo(g,h,i)perylene

Concen: 4.723 ng

RT: 16.86 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF096759.D

Acq: 14 Jul 2017 6:00

Tgt Ion:	276	Resp:	36524
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.6	28.0
138	35.0	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

