

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096672.D
 Acq On : 12 Jul 2017 5:09
 Operator : SJ/JU
 Sample : I4130-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Manual Integrations
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mohammad
 7/12/2017 4:58:02 PM

Quant Time: Jul 12 07:02:18 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	115985	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	456743	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	159202	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	214087	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	212938	20.00	ng	-0.02
86) Perylene-d12	15.23	264	150841	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	665586	84.70	ng	-0.01
7) Phenol-d6	6.33	99	804977	83.33	ng	-0.02
23) Nitrobenzene-d5	7.25	82	421751	55.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	96387	77.51	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	669568	71.91	ng	-0.02
78) Terphenyl-d14	12.78	244	443022	44.46	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.23	77	99531	16.462	ng	98
10) Phenol	6.34	94	48550	4.411	ng	90
22) Acetophenone	7.09	105	63763	6.389	ng	92
49) Dimethylphthalate	9.45	163	1143132	96.186	ng	100
70) Phenanthrene	11.22	178	193319	16.704	ng	98
71) Anthracene	11.27	178	51828	4.395	ng	98
72) Carbazole	11.42	167	26332	2.220	ng	99
73) Di-n-butylphthalate	11.76	149	82610	5.751	ng	99
74) Fluoranthene	12.40	202	304630	26.848	ng	99
77) Pyrene	12.63	202	287857	16.842	ng	99
80) Benzo(a)anthracene	13.82	228	151781	12.309	ng	99
82) Chrysene	13.85	228	124680	9.655	ng	98
85) Indeno(1,2,3-cd)pyrene	16.57	276	44294	4.346	ng	95
87) Benzo(b)fluoranthene	14.83	252	153216m	16.211	ng	
88) Benzo(k)fluoranthene	14.86	252	43458m	5.140	ng	
89) Benzo(a)pyrene	15.17	252	90948	10.778	ng	# 88
91) Benzo(g,h,i)perylene	16.97	276	40005	5.816	ng	98

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

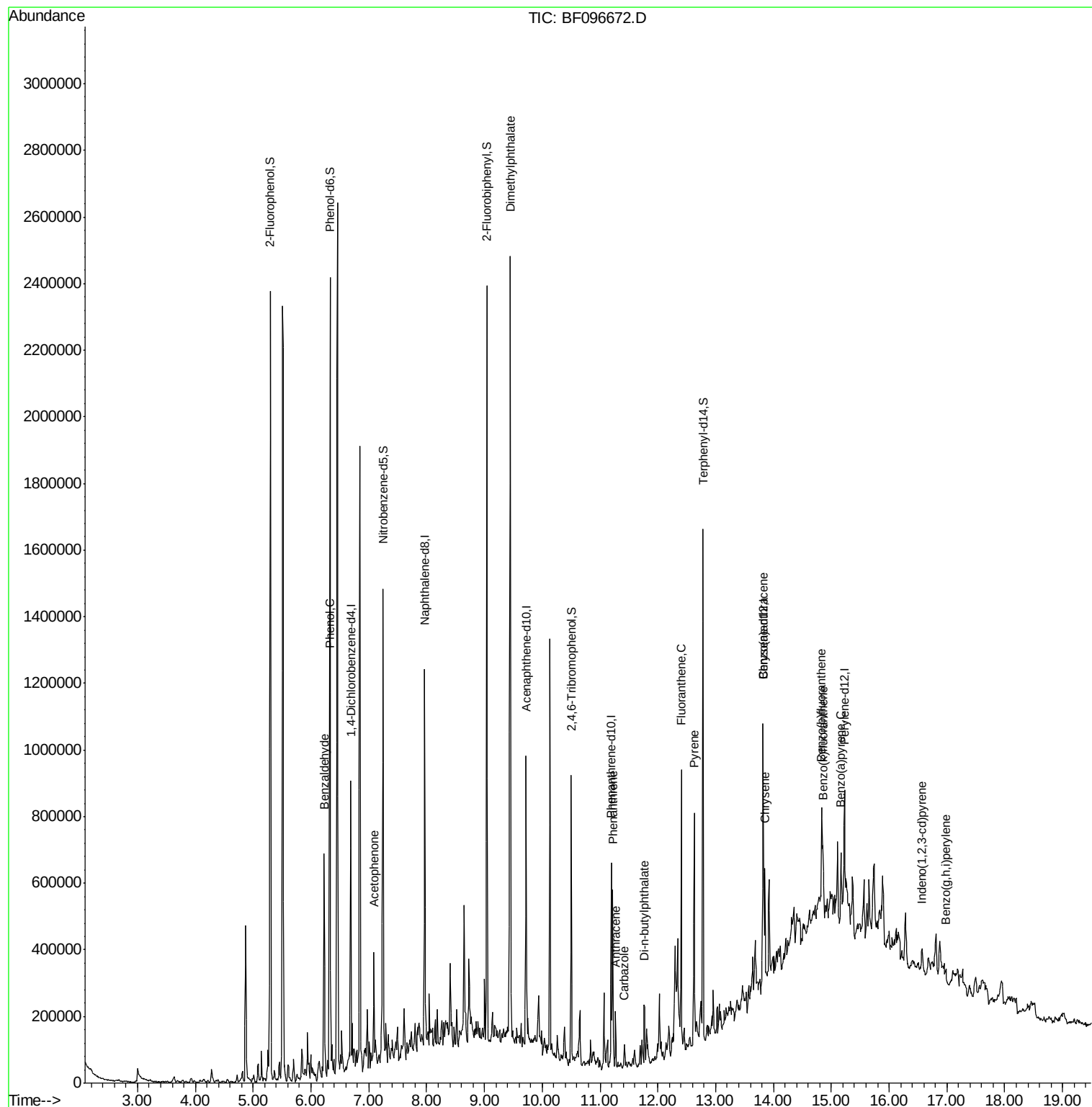
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096672.D
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ALS Vial : 37 Sample Multiplier: 1

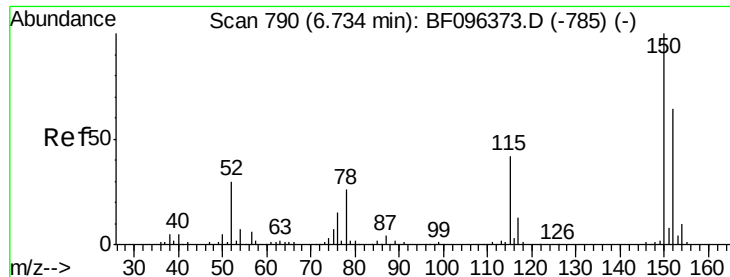
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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#1

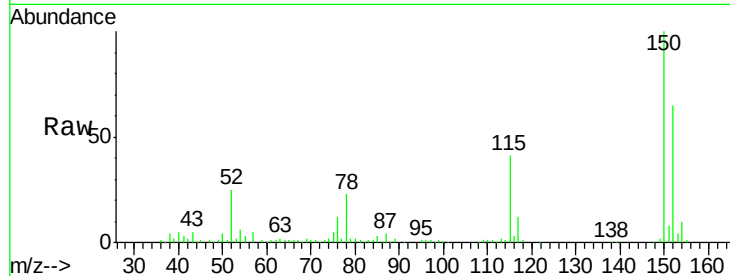
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	115985		
150	154.1	126.2	189.2	
115	63.4	52.2	78.2	

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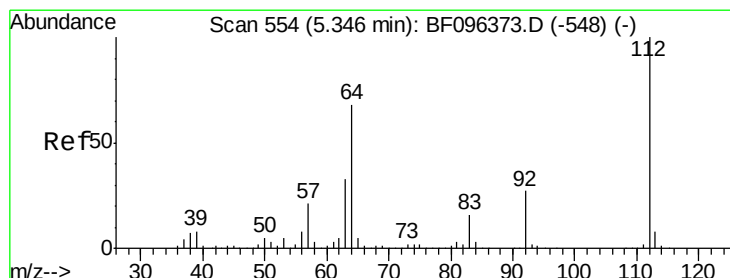
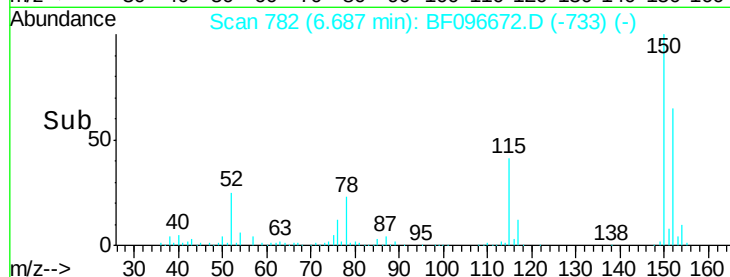
Abundance

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

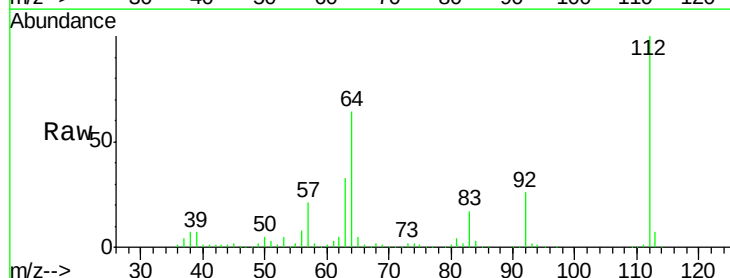
Time-->



#5

2-Fluorophenol
Concen: 84.699 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	665586		
64	64.4	46.0	69.0	
63	33.3	23.4	35.0	



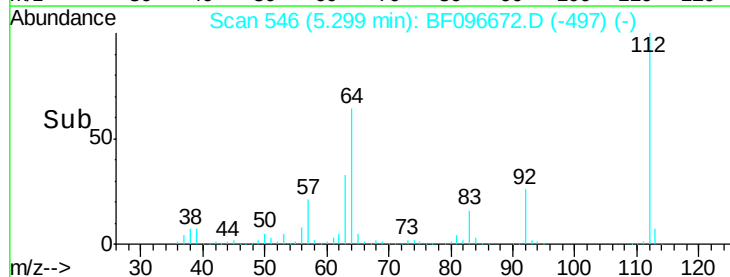
Abundance

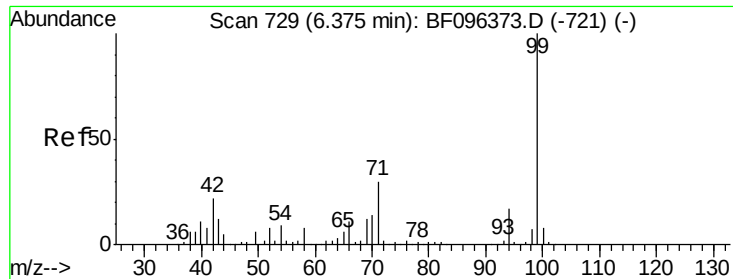
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 83.325 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

Tgt Ion: 99 Resp: 804977

Ion Ratio Lower Upper

99 100

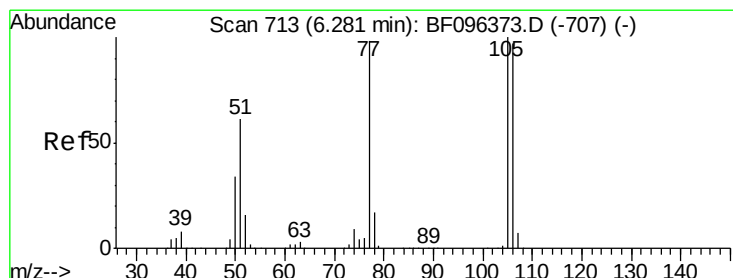
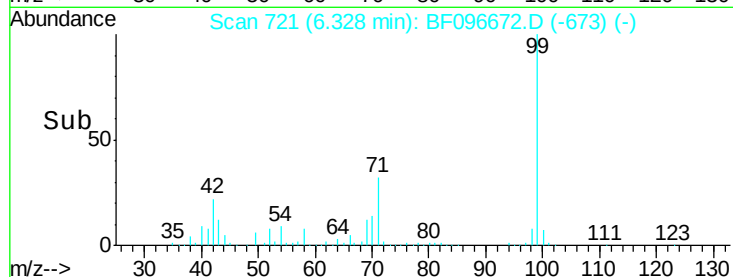
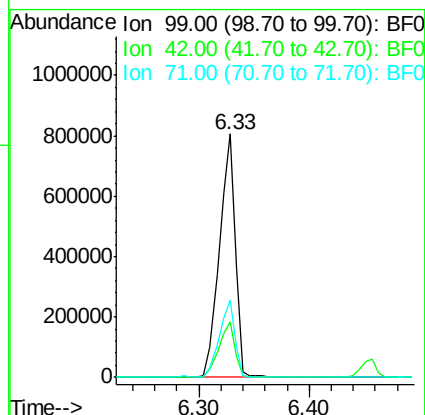
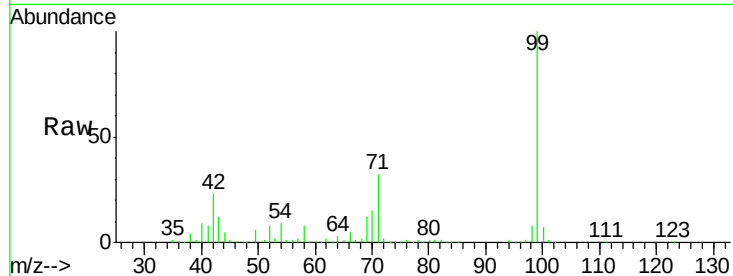
42 22.5 13.5 20.3#

71 31.8 24.5 36.7

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#9

Benzaldehyde

Concen: 16.462 ng

RT: 6.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

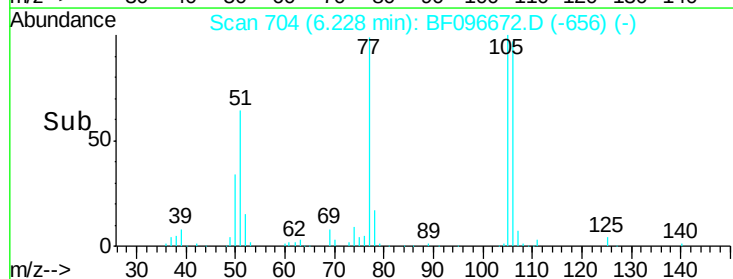
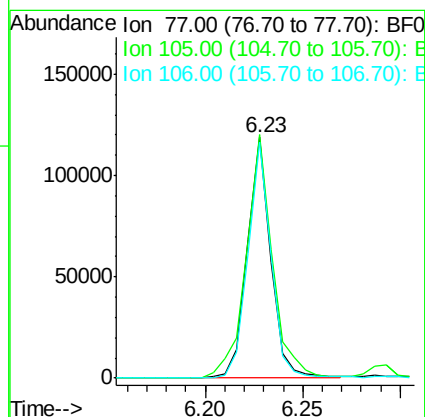
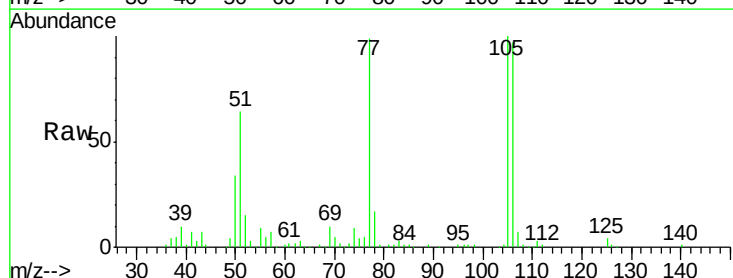
Tgt Ion: 77 Resp: 99531

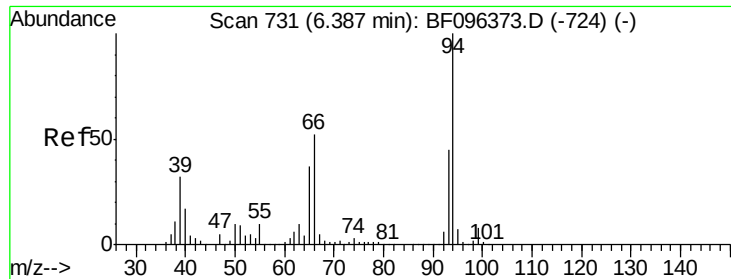
Ion Ratio Lower Upper

77 100

105 101.1 83.8 123.8

106 97.9 79.1 119.1





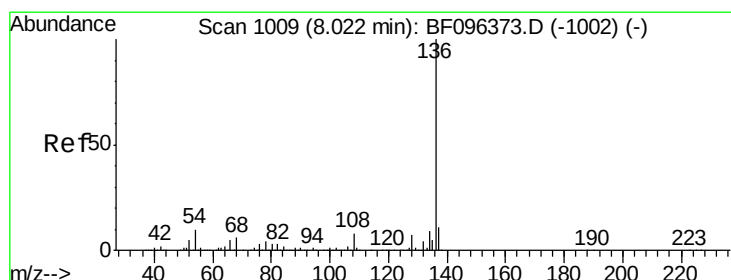
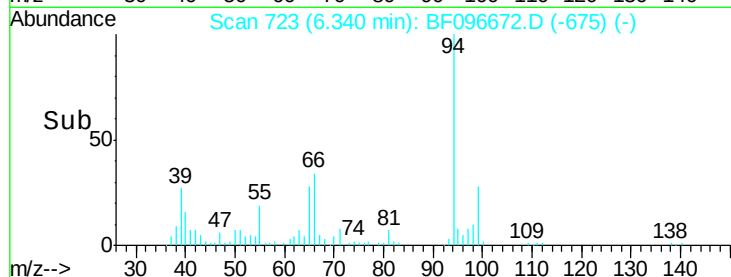
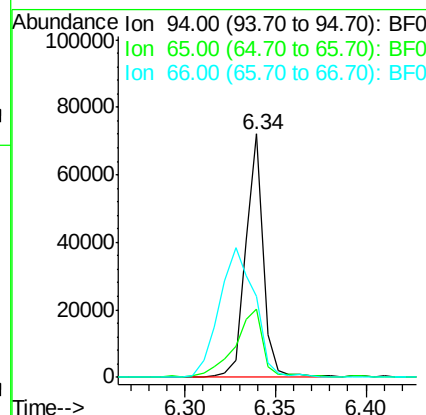
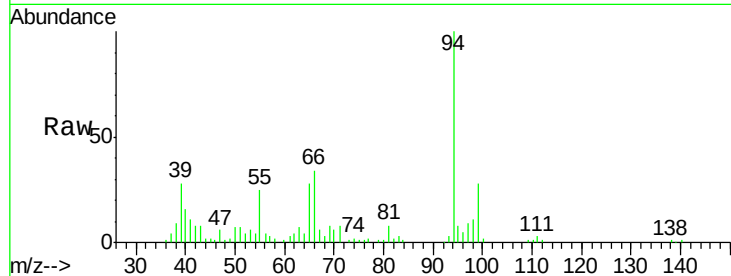
#10
Phenol
Concen: 4.411 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
94	100		
65	27.8	9.9	49.9
66	33.5	23.1	63.1

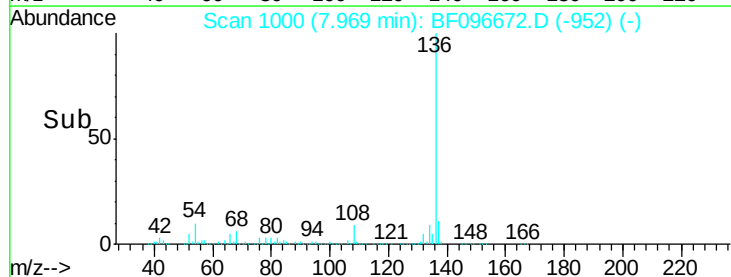
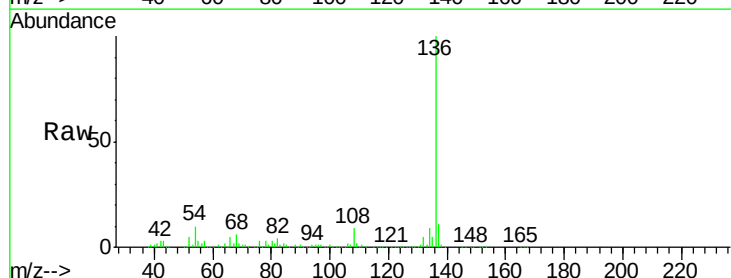
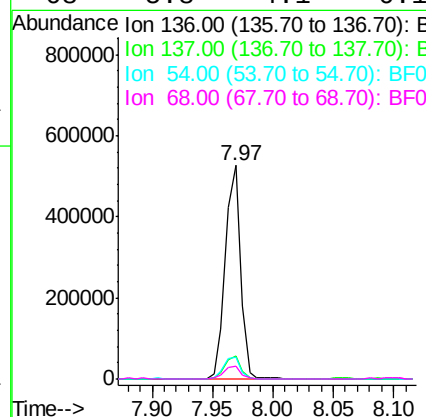
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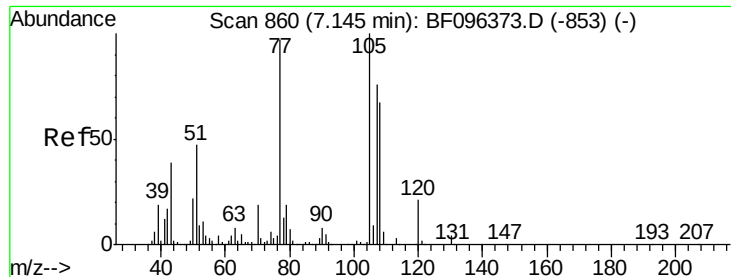
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.8	8.5	12.7
54	10.0	4.9	7.3#
68	5.8	4.1	6.1





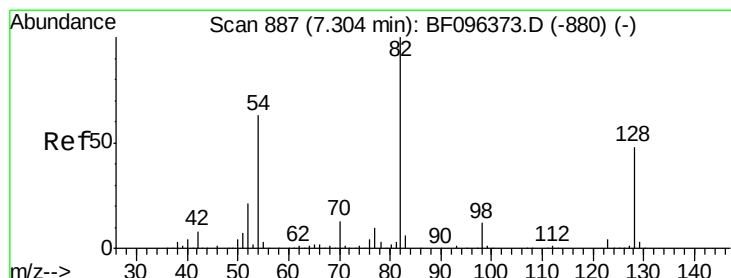
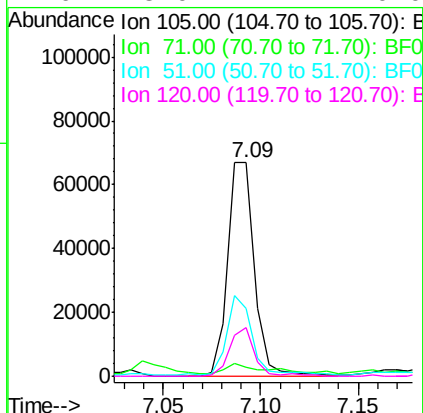
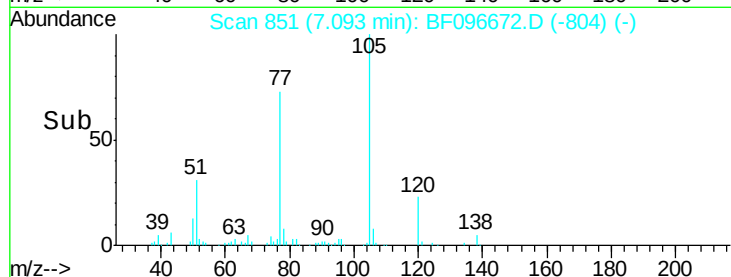
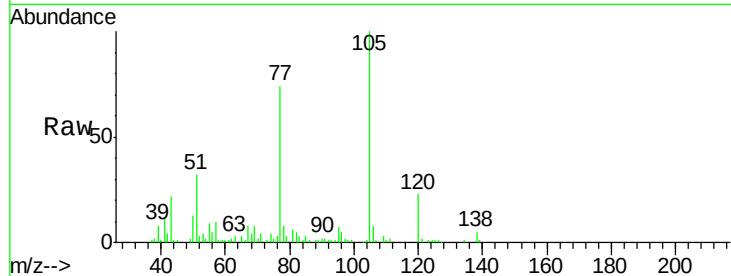
#22
Acetophenone
Concen: 6.389 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	63763		
71	71	4.0		2.8	4.2
51	51	31.6		30.7	46.1
120	120	23.0		17.4	26.0

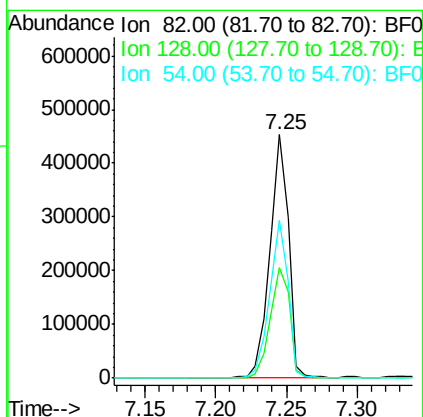
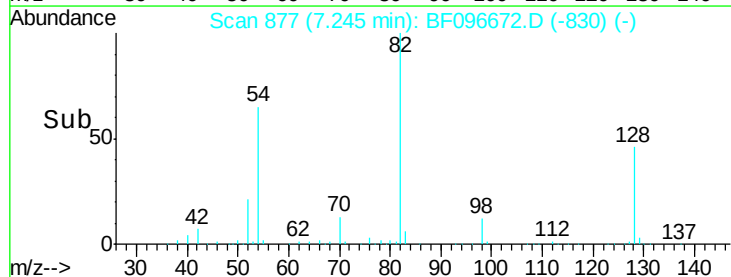
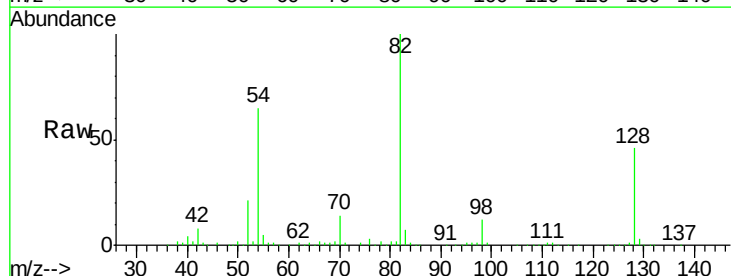
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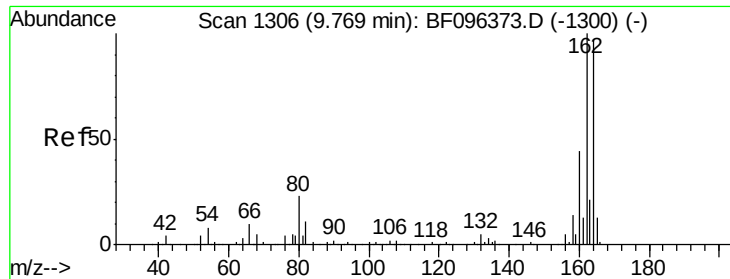
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#23
Nitrobenzene-d5
Concen: 55.487 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	82	100	421751		
128	128	45.6		34.0	51.0
54	54	64.8		42.2	63.2#





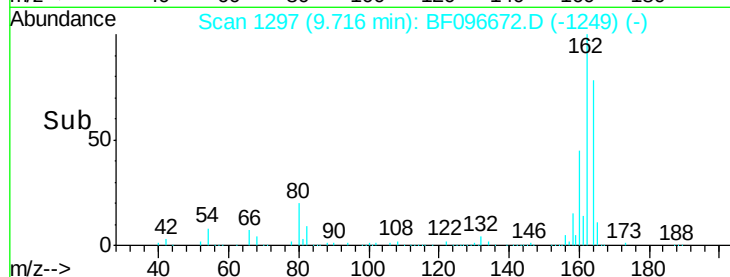
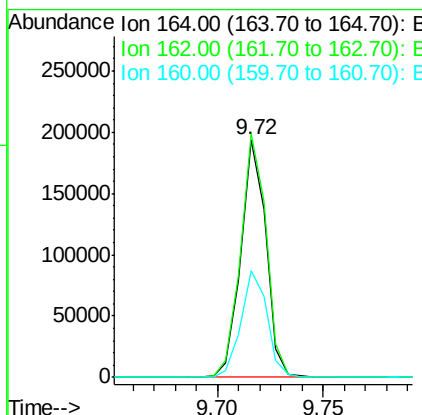
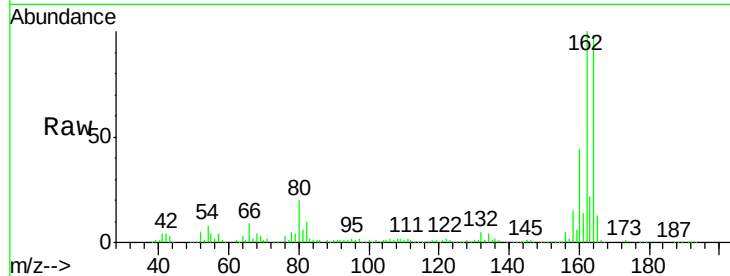
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159202		
162	102.4	82.6	123.8	
160	45.1	36.2	54.2	

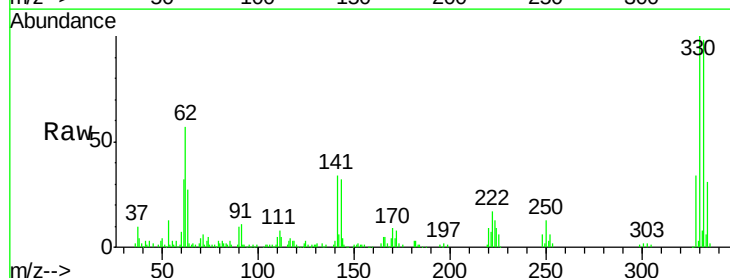
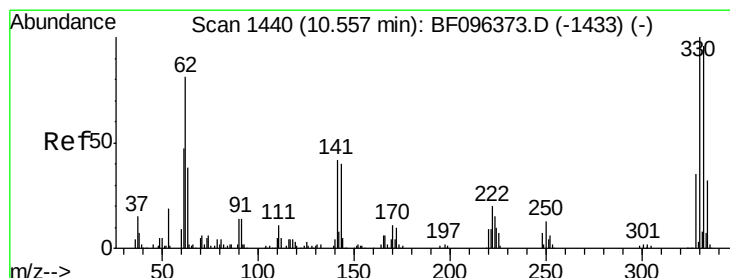
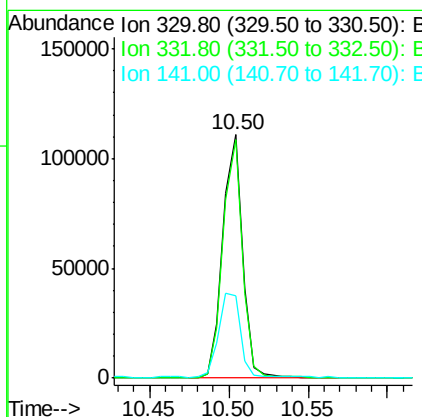
Manual Integrations
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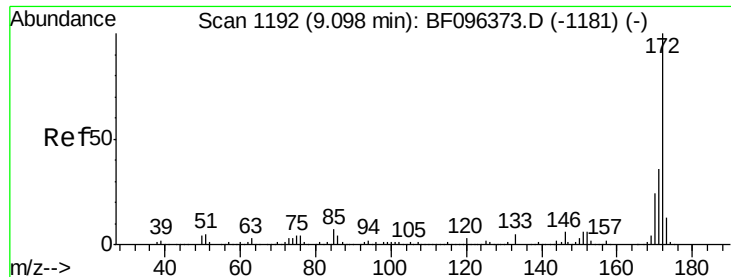
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#41
 2,4,6-Tribromophenol
 Concen: 77.509 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	96387		
332	96.6	76.6	115.0	
141	37.2	31.4	47.2	





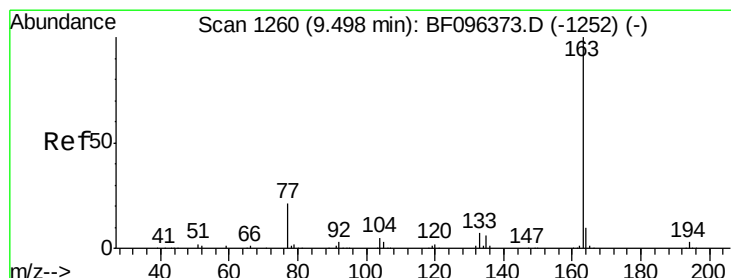
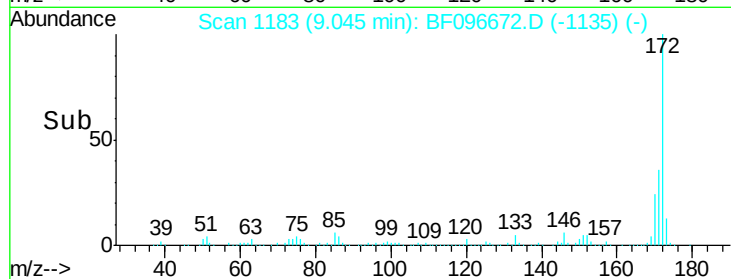
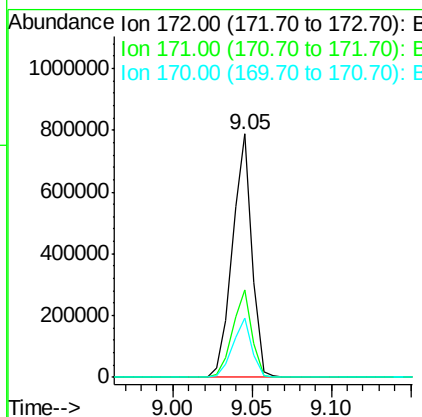
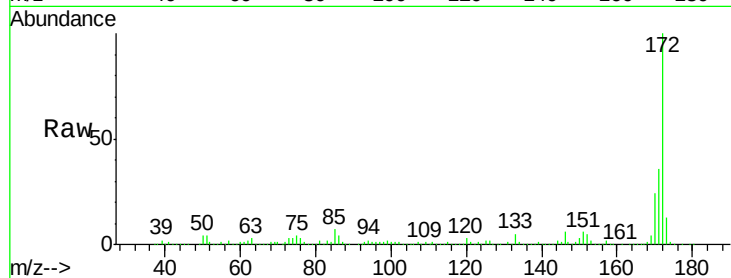
#44
2-Fluorobiphenyl
Concen: 71.909 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	669568		
171	35.8	29.6	44.4	
170	24.1	19.8	29.8	

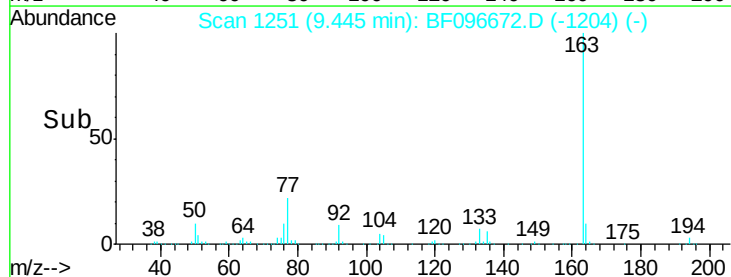
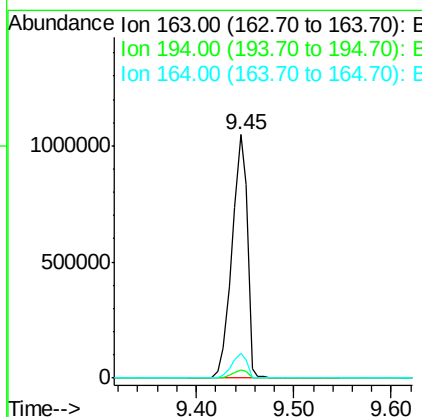
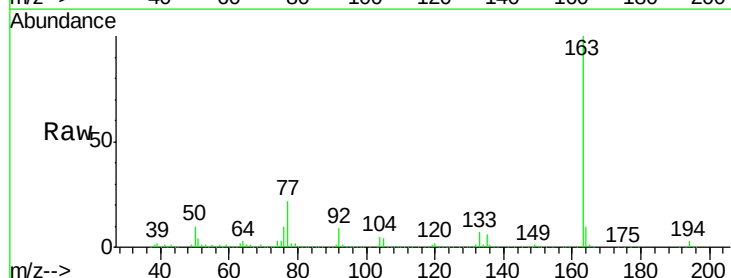
Manual Integrations
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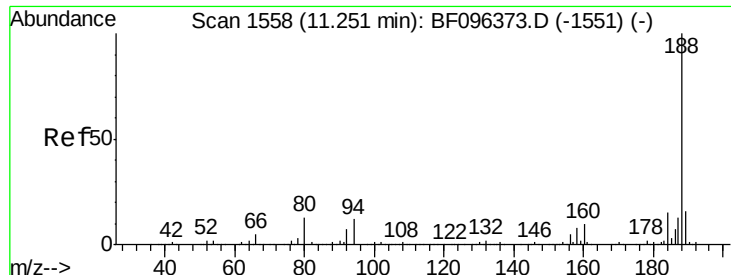
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#49
Dimethylphthalate
Concen: 96.186 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	1143132		
194	3.2	2.6	4.0	
164	10.4	8.4	12.6	





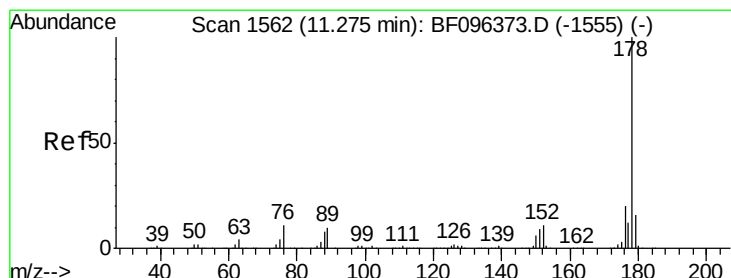
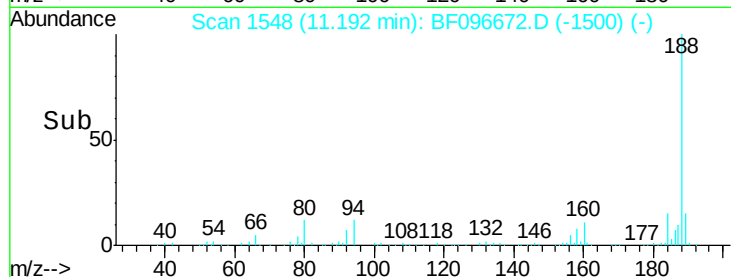
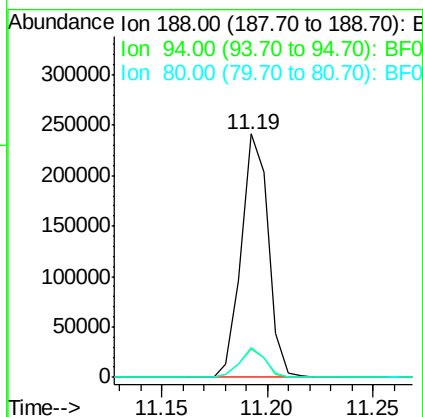
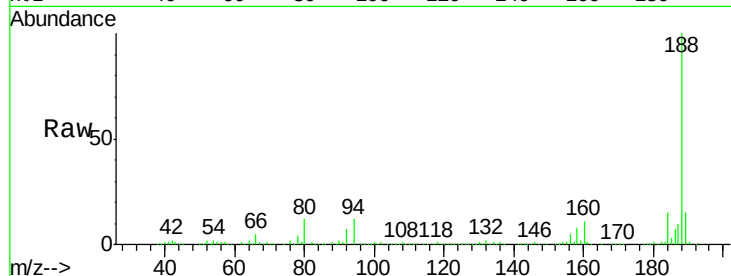
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	214087		
94	11.8		9.4	14.2
80	12.3		10.2	15.2

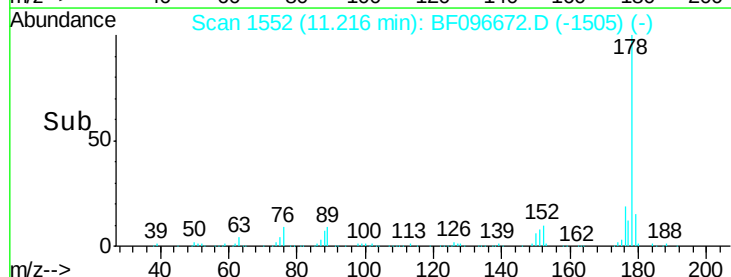
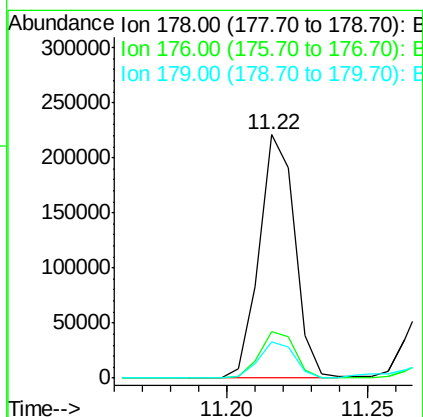
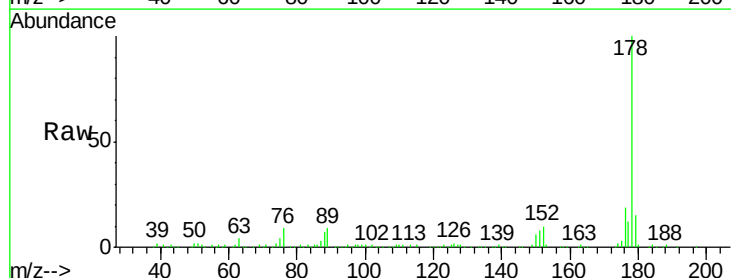
Manual Integrations
APPROVED

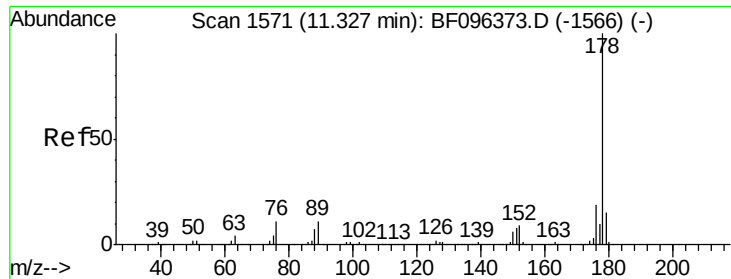
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#70
Phenanthrene
Concen: 16.704 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	193319		
176	19.3		16.2	24.4
179	15.0		12.6	19.0





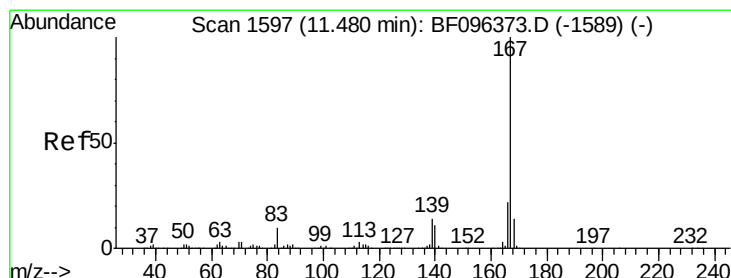
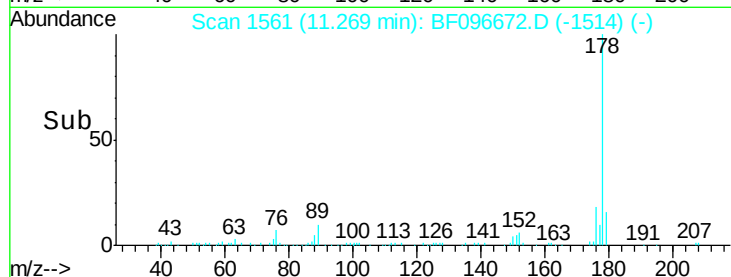
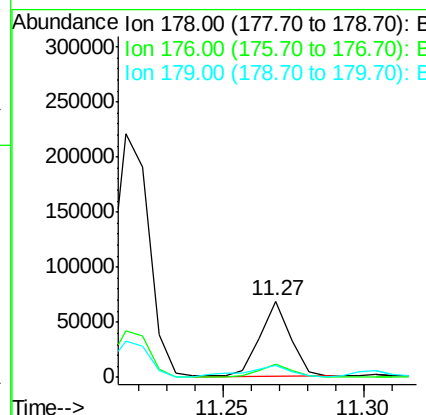
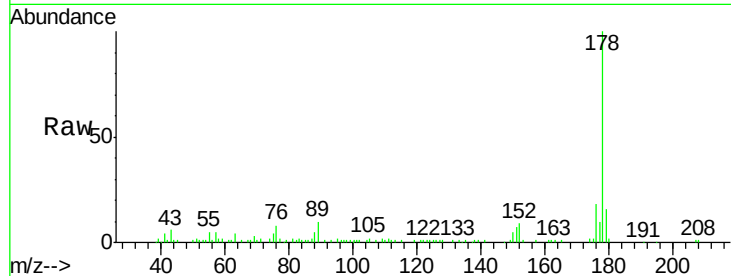
#71
 Anthracene
 Concen: 4.395 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	16.0	12.7	19.1

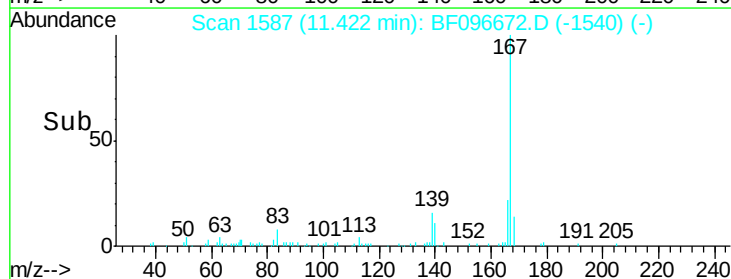
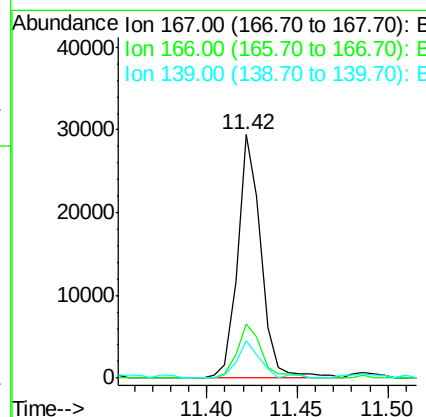
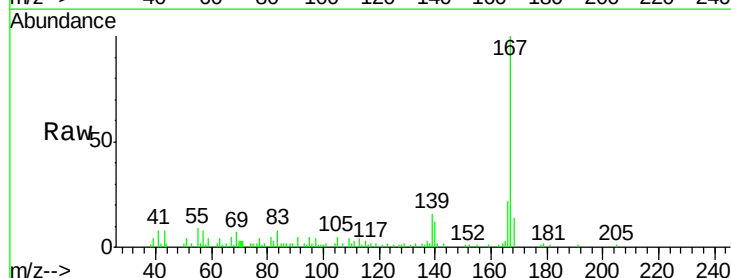
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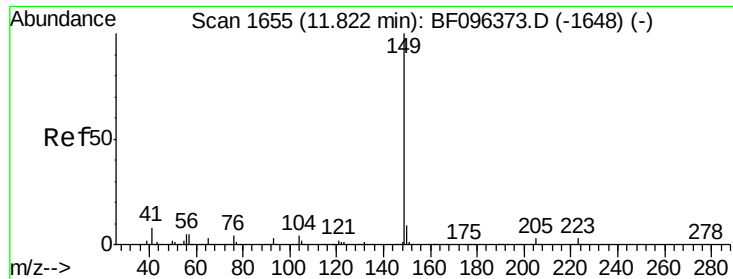
mohammad
 7/12/2017 4:58:02 PM



#72
 Carbazole
 Concen: 2.220 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	15.7	11.7	17.5





#73

Di-n-butylphthalate

Concen: 5.751 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

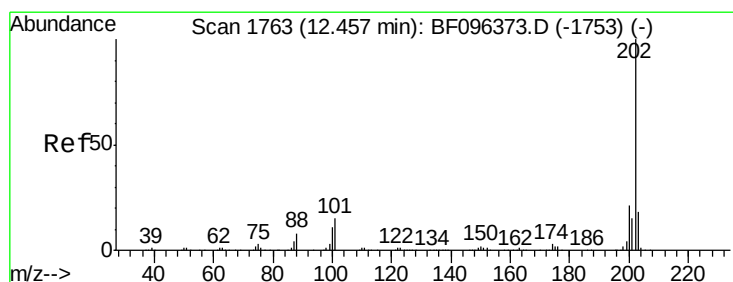
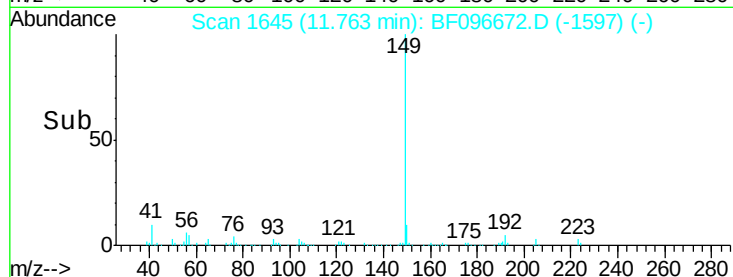
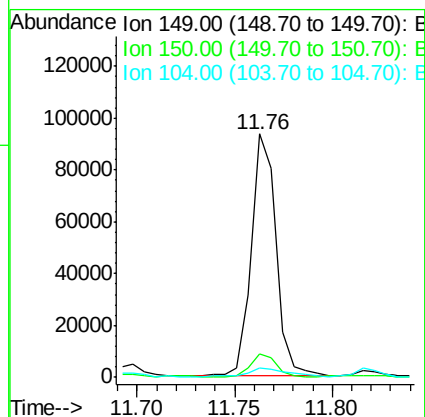
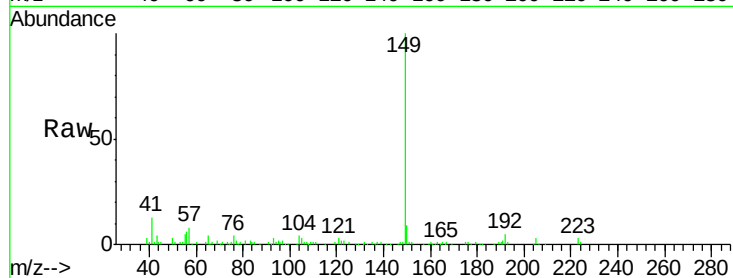
ClientSampleId :

E2-HS1-WSW

Tgt Ion:	149	Resp:	82610
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.7	11.5
104	4.0	4.0	6.0

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#74

Fluoranthene

Concen: 26.848 ng

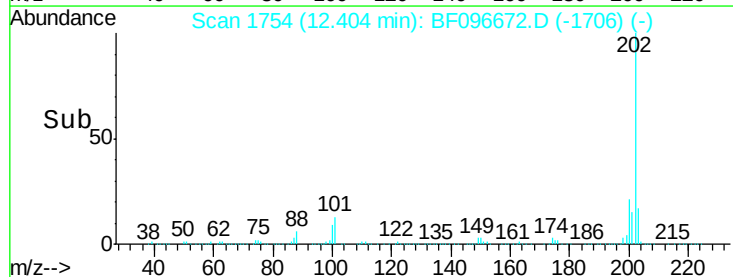
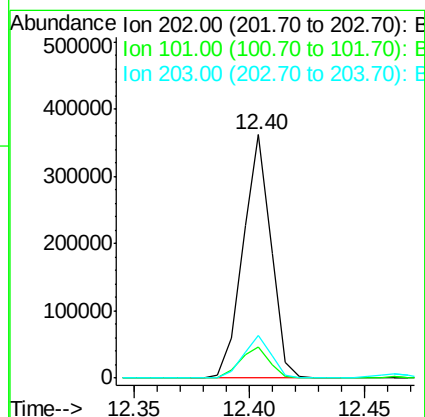
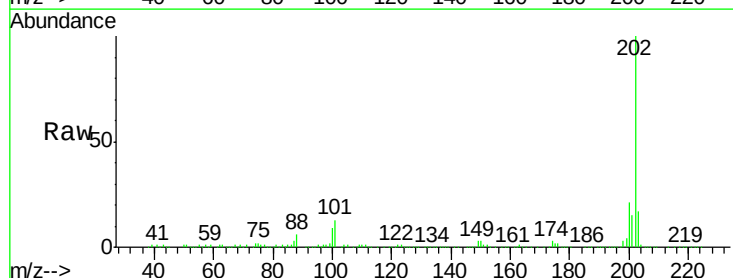
RT: 12.40 min Scan# 1754

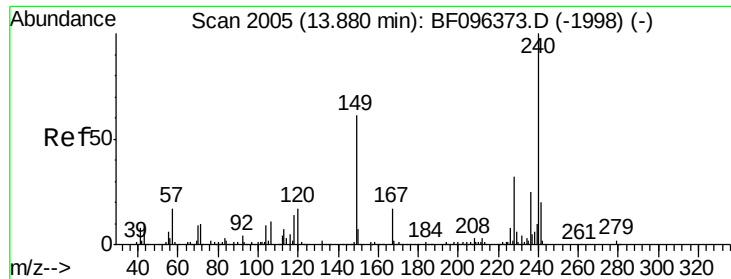
Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Tgt Ion:	202	Resp:	304630
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	33.2
203	17.3	0.0	38.1





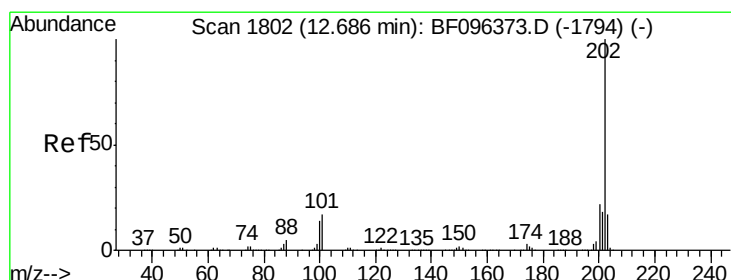
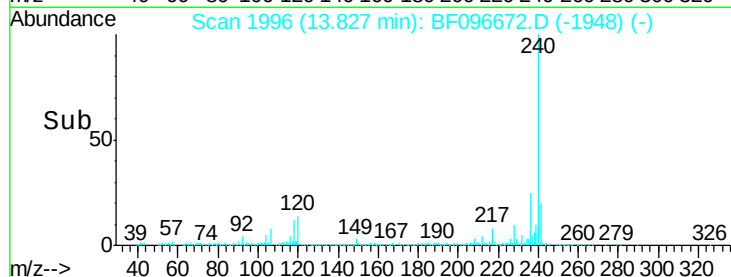
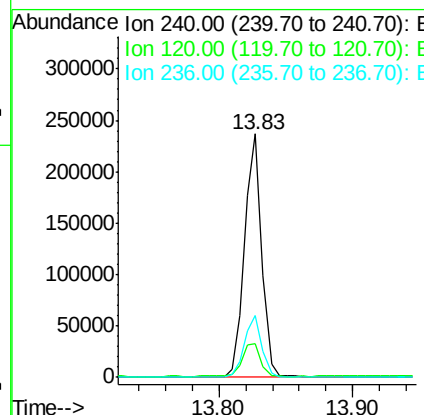
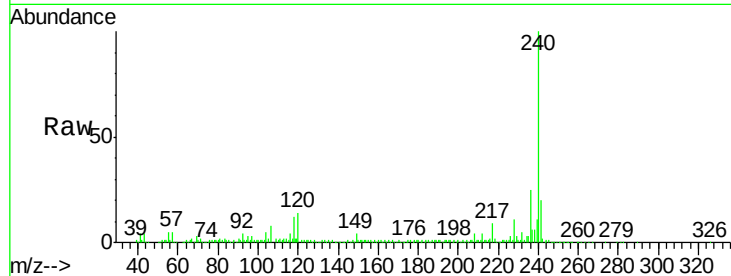
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	212938		
120	13.9	5.8	8.8#	
236	25.2	20.5	30.7	

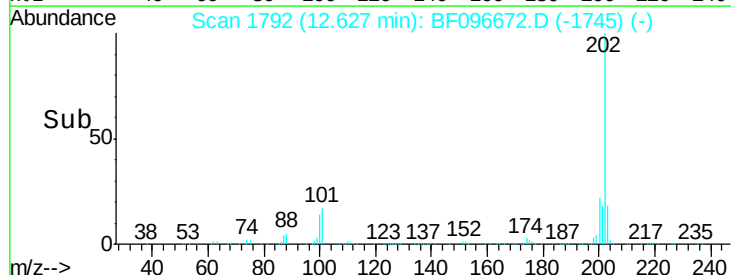
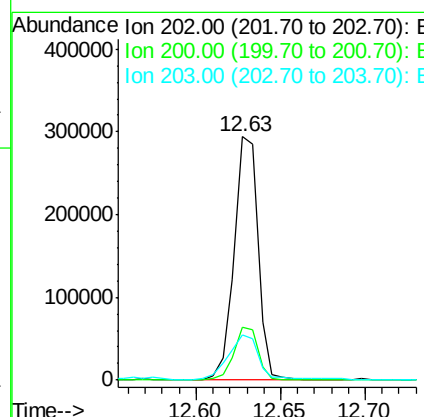
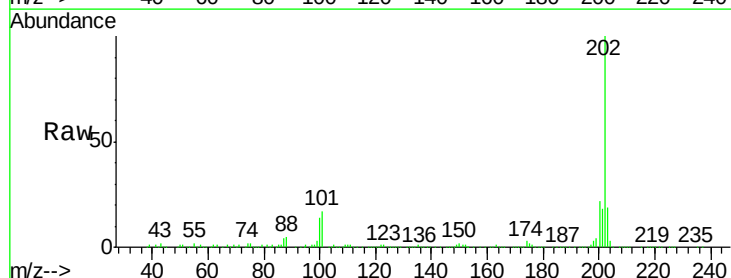
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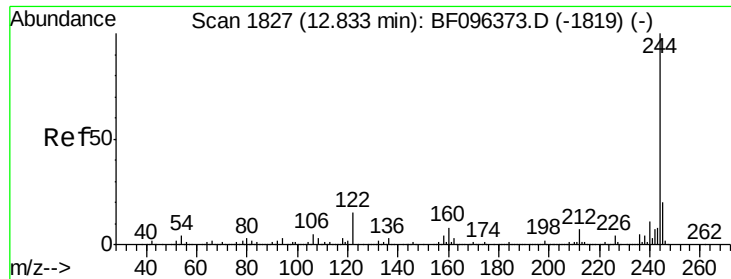
mohammad
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#77
Pyrene
Concen: 16.842 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	287857		
200	21.6	17.6	26.4	
203	18.5	14.4	21.6	





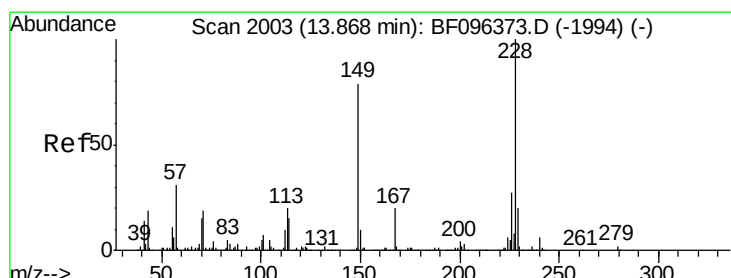
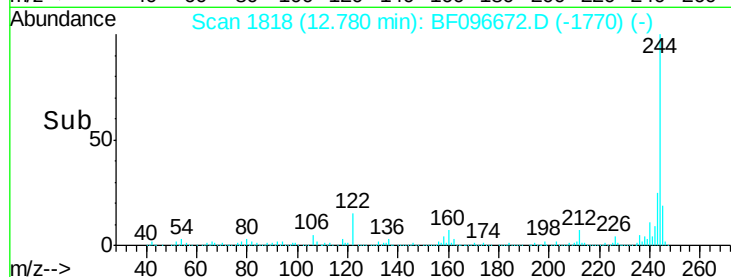
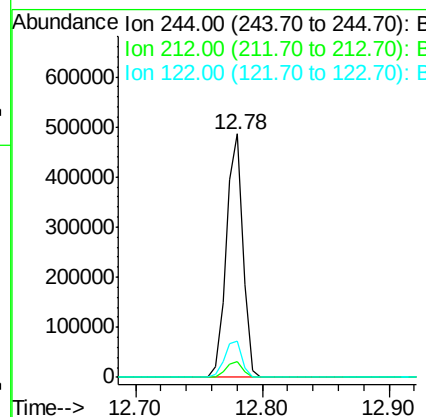
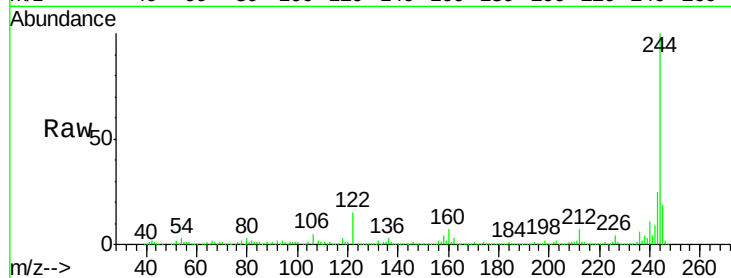
#78
 Terphenyl-d14
 Concen: 44.457 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.8	10.3	15.5

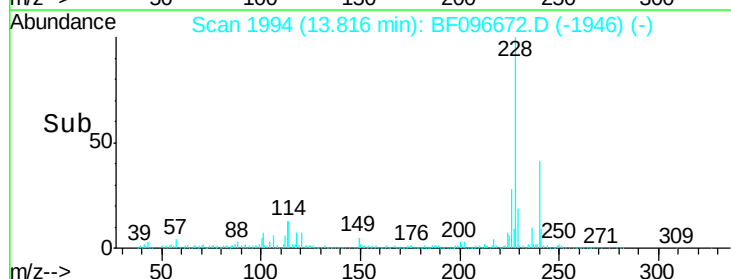
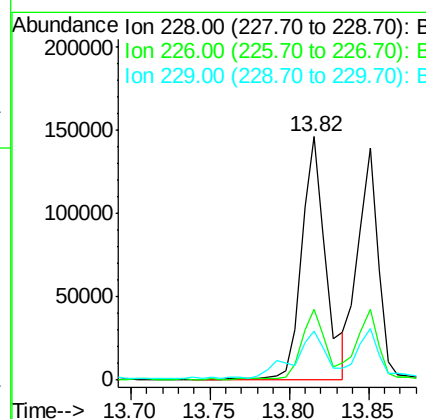
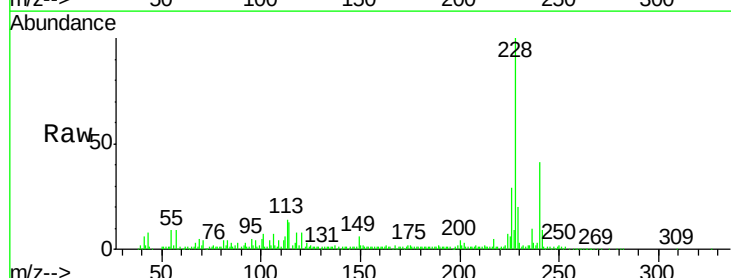
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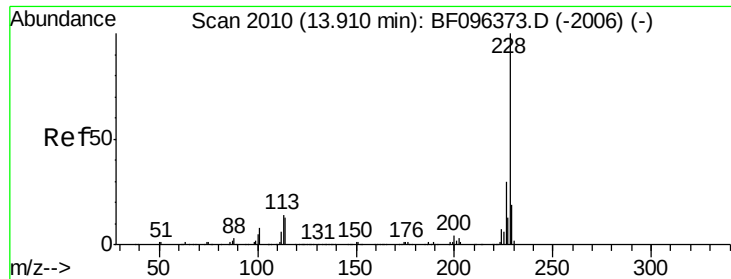
mohammad
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#80
 Benzo(a)anthracene
 Concen: 12.309 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.3	16.3	24.5





#82

Chrysene

Concen: 9.655 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

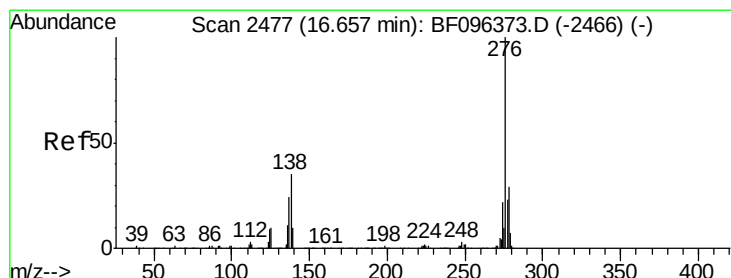
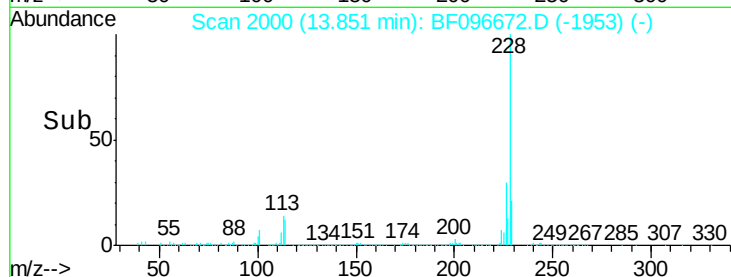
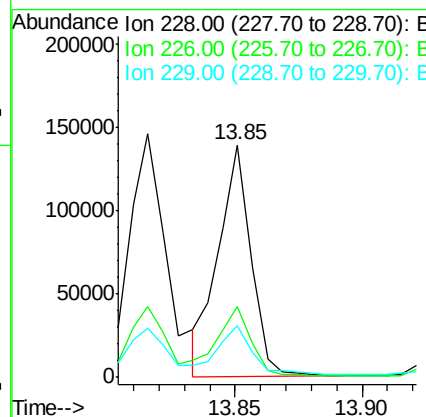
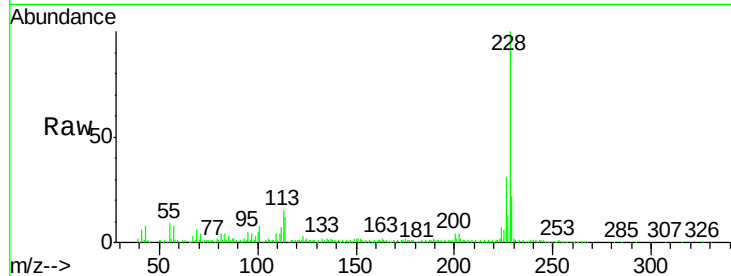
ClientSampleId :

E2-HS1-WSW

Tgt Ion:	228	Resp:	124680
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.0	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.346 ng

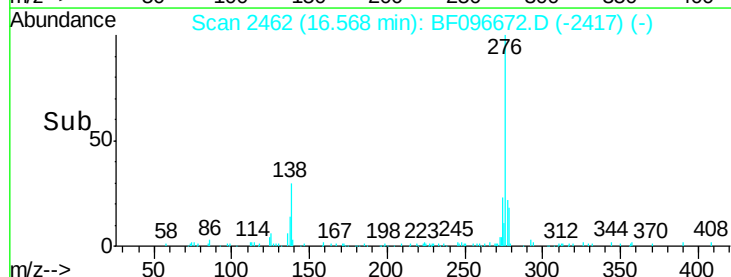
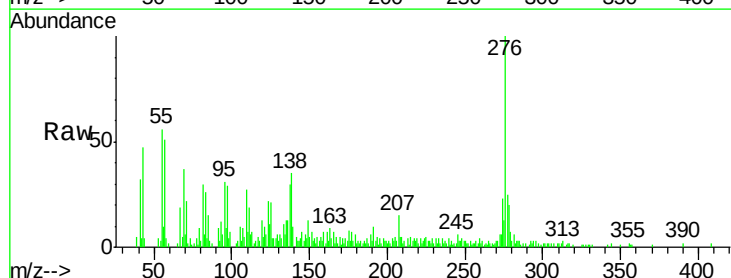
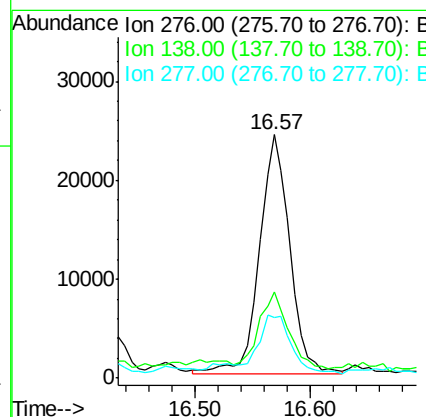
RT: 16.57 min Scan# 2462

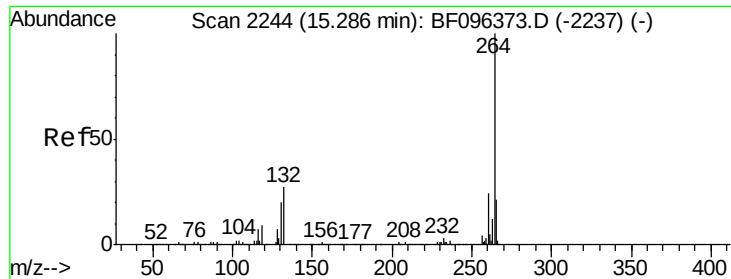
Delta R.T. -0.04 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Tgt Ion:	276	Resp:	44294
Ion Ratio	Lower	Upper	
276	100		
138	30.6	27.8	41.6
277	26.6	20.2	30.4





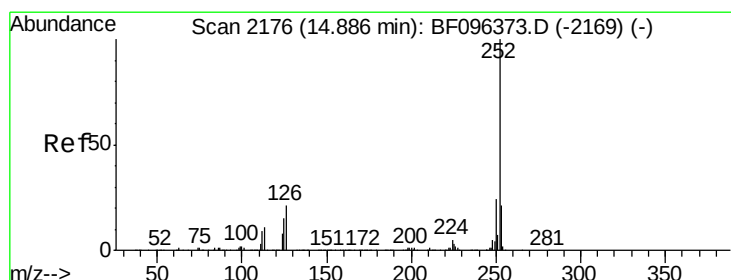
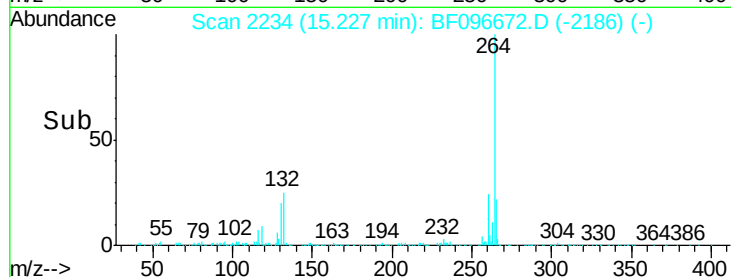
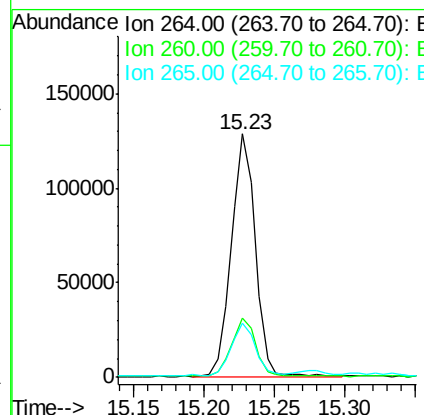
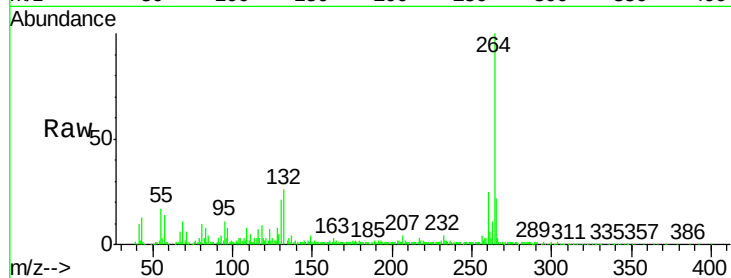
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	150841		
260	24.6	19.5	29.3	
265	22.2	17.2	25.8	

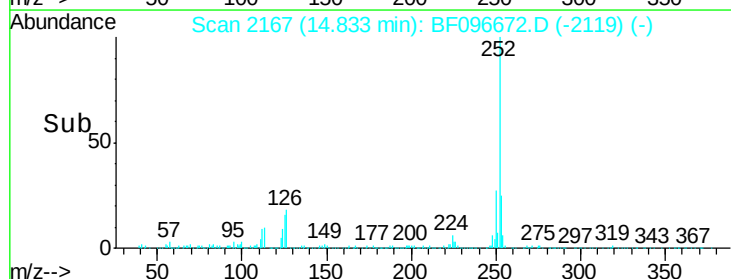
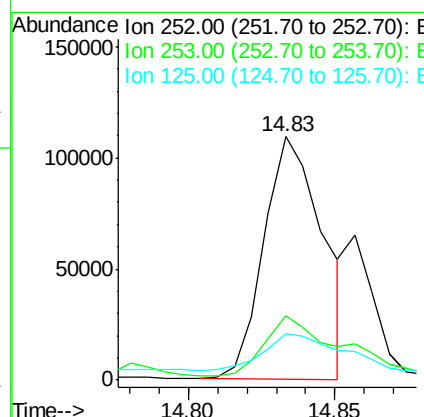
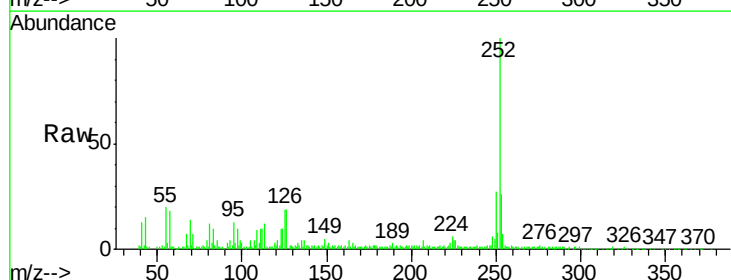
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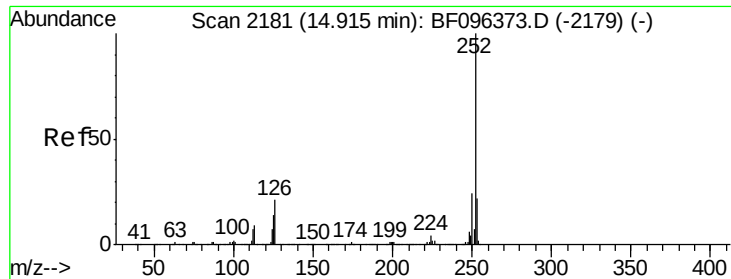
mohammad
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#87
 Benzo(b)fluoranthene
 Concen: 16.211 ng m
 RT: 14.83 min Scan# 2167
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	153216		
253	26.2	18.1	27.1	
125	19.3	9.8	14.8#	





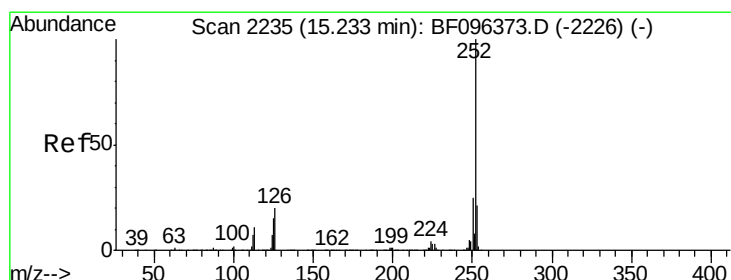
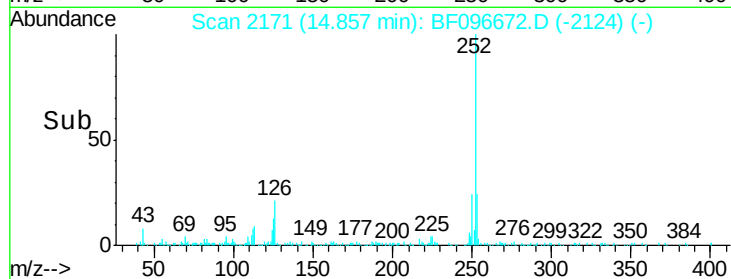
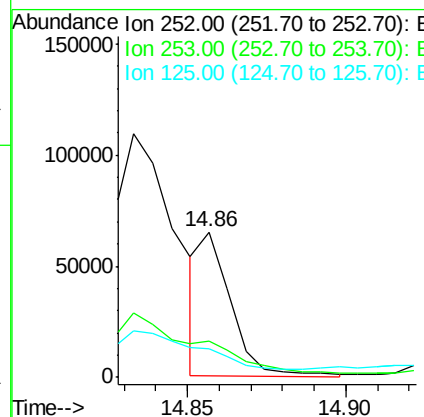
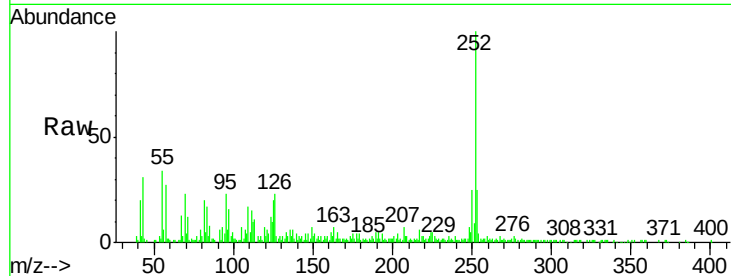
#88
Benzo(k)fluoranthene
Concen: 5.140 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	19.7	13.1	19.7

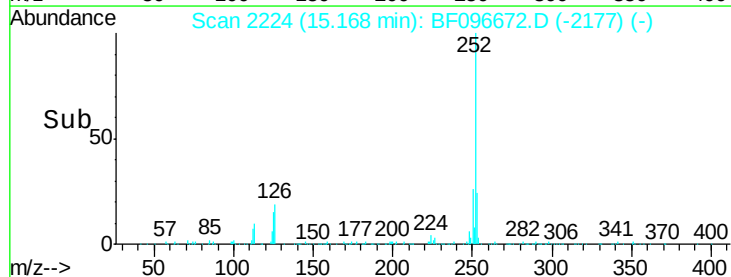
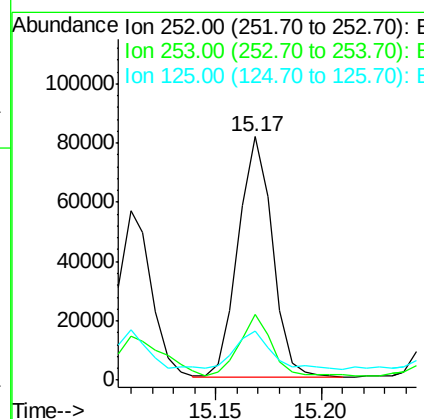
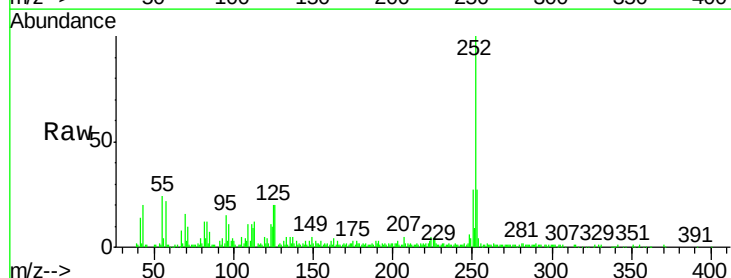
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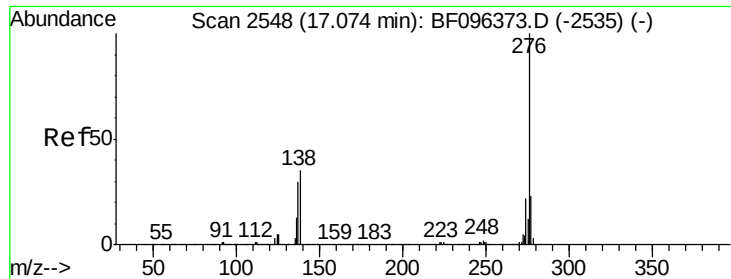
mohammad
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#89
Benzo(a)pyrene
Concen: 10.778 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	19.9	11.0	16.4#





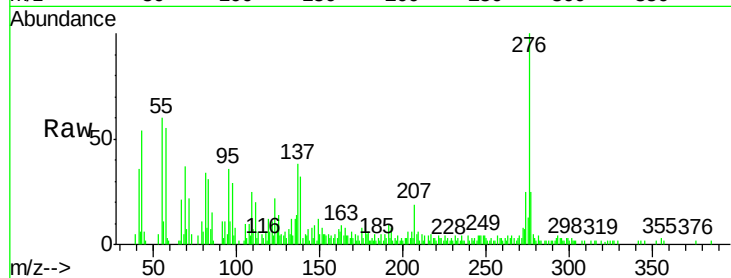
#91
 Benzo(g,h,i)perylene
 Concen: 5.816 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tgt Ion:	276	Resp:	40005
Ion Ratio		Lower	Upper
276	100		
277	25.4	18.6	28.0
138	31.7	25.4	38.0

Manual Integrations
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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

