

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096674.D
 Acq On : 12 Jul 2017 6:05
 Operator : SJ/JU
 Sample : I4130-10
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-ESW

Manual Integrations
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 7/12/2017 4:58:05 PM

Quant Time: Jul 12 07:07:49 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	111520	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	435693	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	188756	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	242504	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	217690	20.00	ng	-0.02
86) Perylene-d12	15.23	264	147399	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	642283	85.01	ng	-0.01
7) Phenol-d6	6.33	99	920007	99.05	ng	-0.02
23) Nitrobenzene-d5	7.25	82	541107	74.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	84916	57.59	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	792861	71.82	ng	-0.02
78) Terphenyl-d14	12.78	244	501182	49.20	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.23	77	137116	23.587	ng	99
10) Phenol	6.34	94	40879	3.863	ng	96
22) Acetophenone	7.09	105	90913	9.550	ng	# 95
49) Dimethylphthalate	9.45	163	1162901	82.529	ng	100
51) Acenaphthene	9.75	154	30156	2.562	ng	97
57) Fluorene	10.26	166	27638	2.518	ng	# 97
70) Phenanthrene	11.22	178	395762	30.190	ng	99
71) Anthracene	11.27	178	113595	8.503	ng	98
72) Carbazole	11.42	167	41795	3.111	ng	97
73) Di-n-butylphthalate	11.77	149	62502	3.841	ng	99
74) Fluoranthene	12.41	202	627876	48.851	ng	99
77) Pyrene	12.63	202	549035	31.421	ng	100
80) Benzo(a)anthracene	13.82	228	269576	21.385	ng	99
82) Chrysene	13.86	228	238616	18.075	ng	96
85) Indeno(1,2,3-cd)pyrene	16.57	276	73668	7.070	ng	93
87) Benzo(b)fluoranthene	14.84	252	246684m	26.709	ng	
88) Benzo(k)fluoranthene	14.86	252	57230m	6.927	ng	
89) Benzo(a)pyrene	15.17	252	153941	18.669	ng	# 94
90) Dibenzo(a,h)anthracene	16.59	278	18678	2.879	ng	# 82
91) Benzo(g,h,i)perylene	16.98	276	67882	10.098	ng	93

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

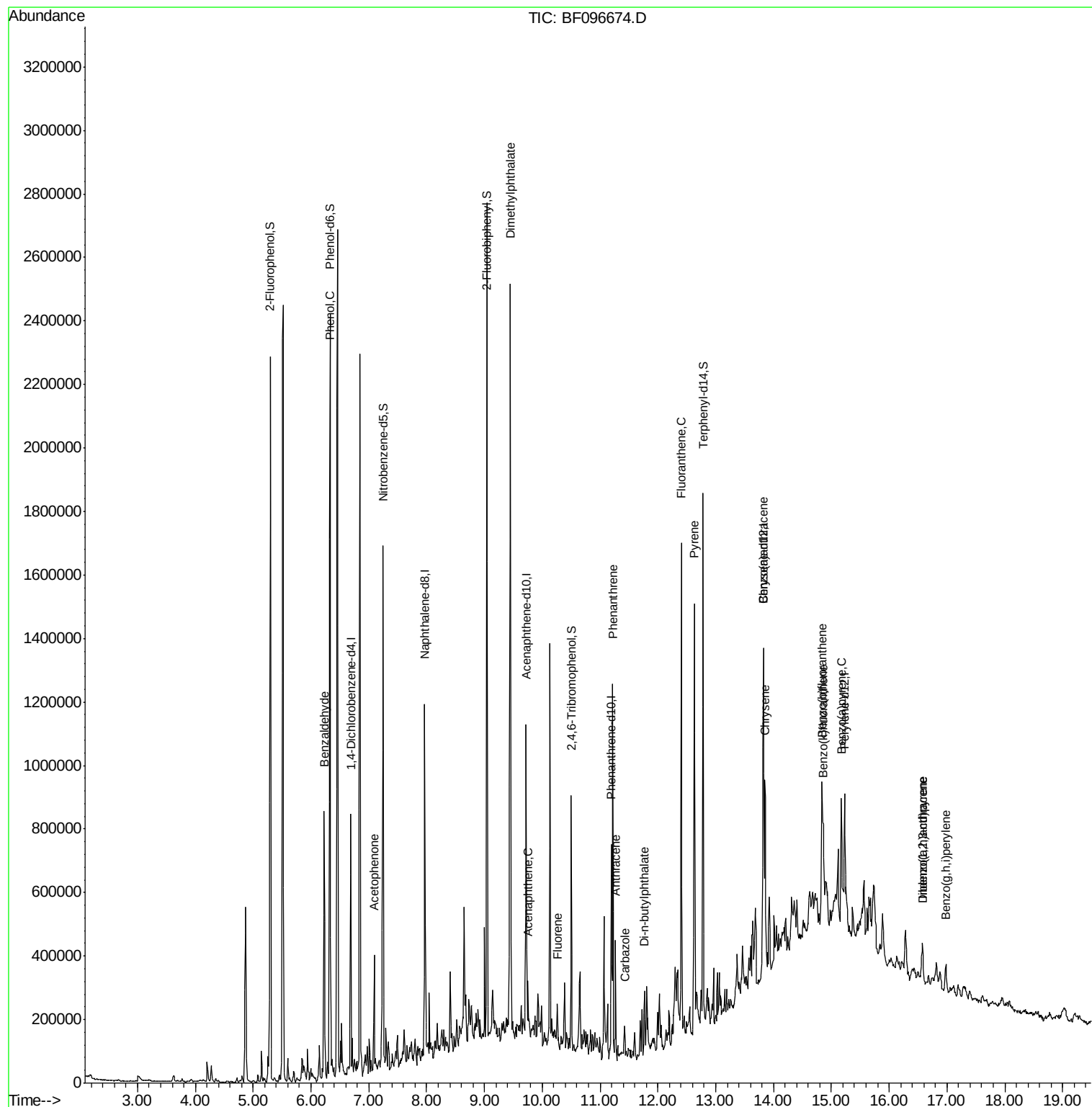
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
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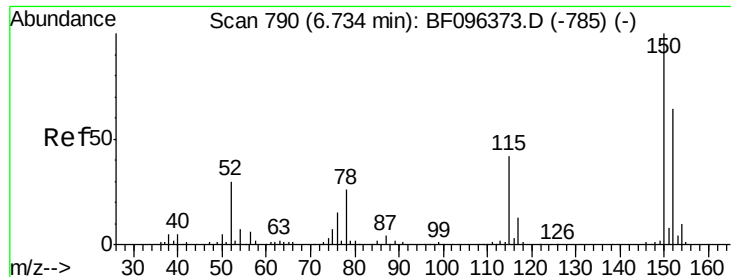
Instrument :
BNA_F
ClientSampleId :
E2-HS1-ESW

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Quant Time: Jul 12 07:07:49 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

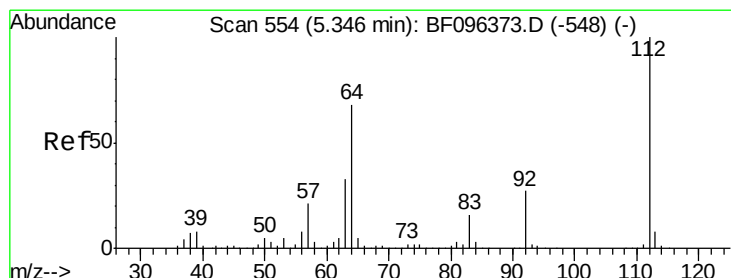
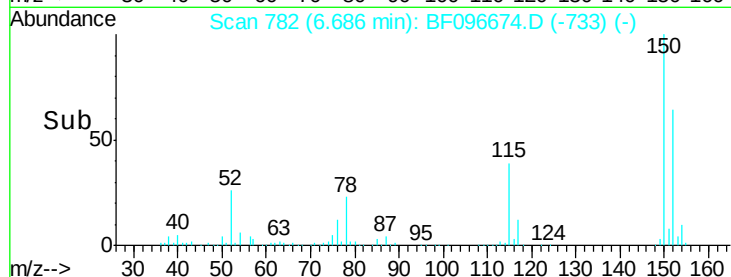
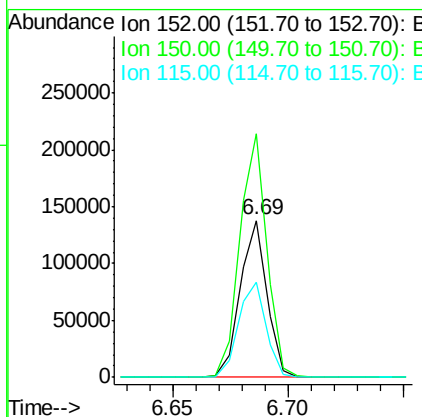
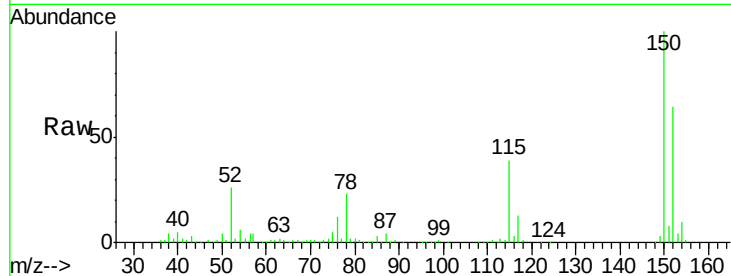
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Instrument :
BNA_F
ClientSampleId :
E2-HS1-ESW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	60.8	52.2	78.2

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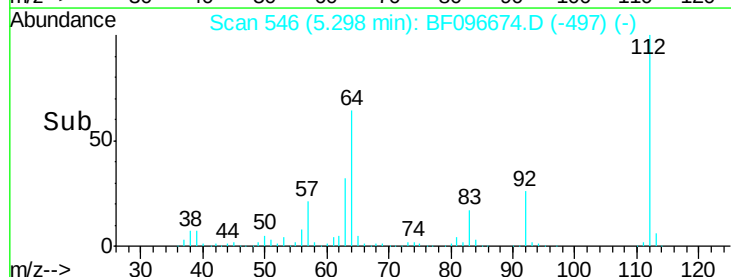
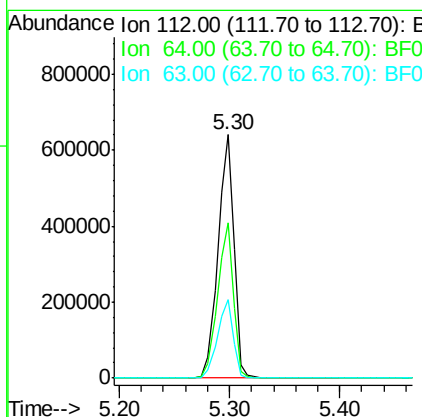
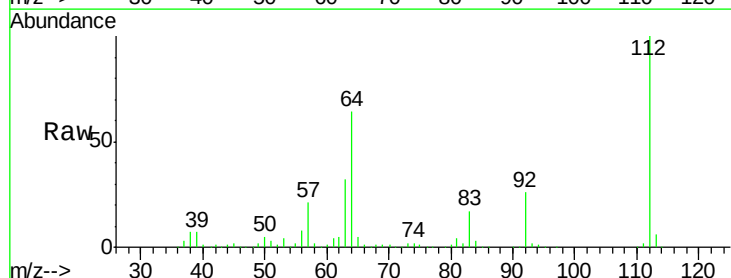
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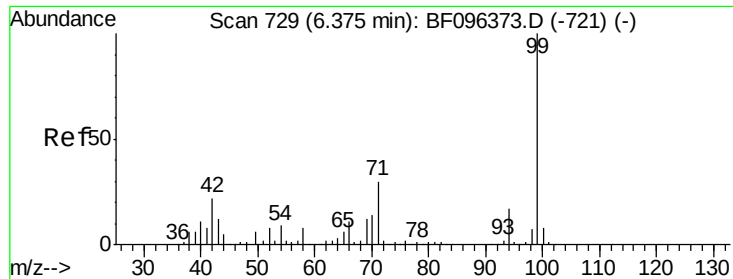


#5

2-Fluorophenol
Concen: 85.006 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	46.0	69.0
63	32.1	23.4	35.0





#7

Phenol-d6

Concen: 99.045 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS1-ESW

Tgt Ion: 99 Resp: 920007

Ion Ratio Lower Upper

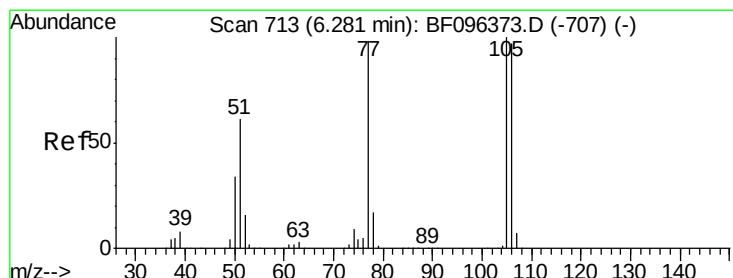
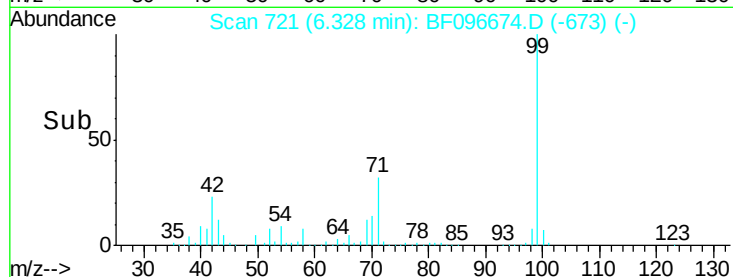
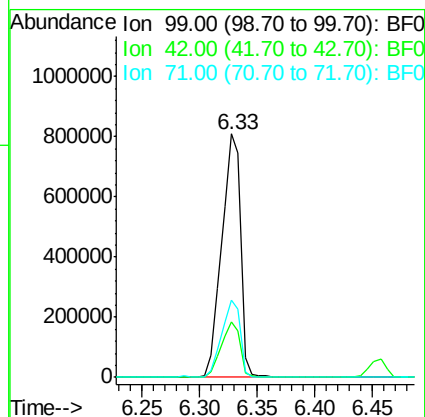
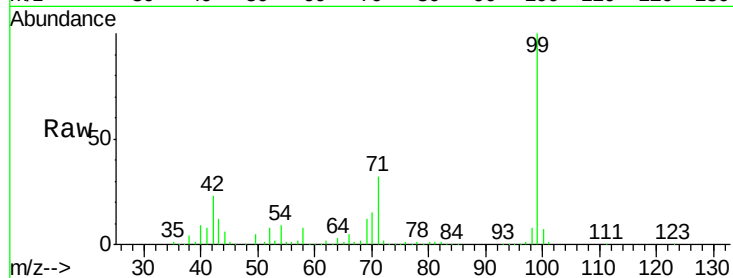
99 100

42 23.0 13.5 20.3#

71 31.8 24.5 36.7

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#9

Benzaldehyde

Concen: 23.587 ng

RT: 6.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

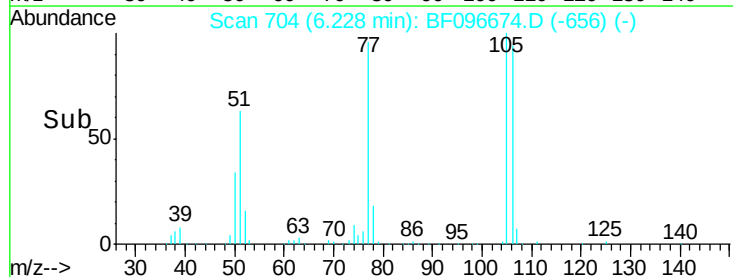
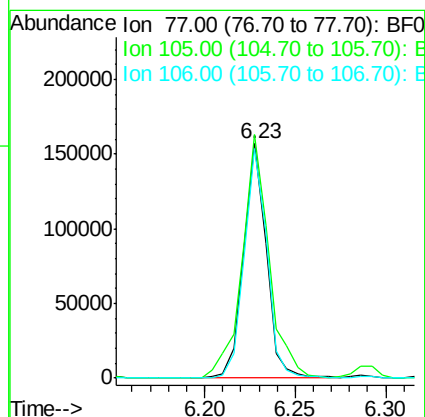
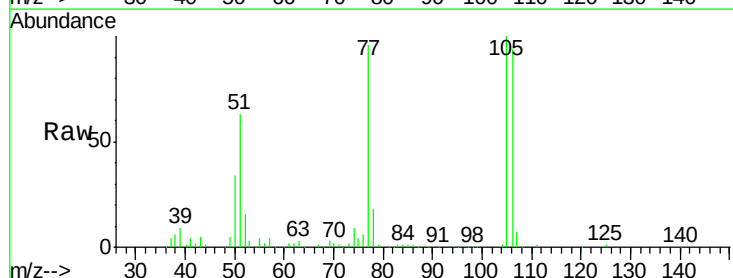
Tgt Ion: 77 Resp: 137116

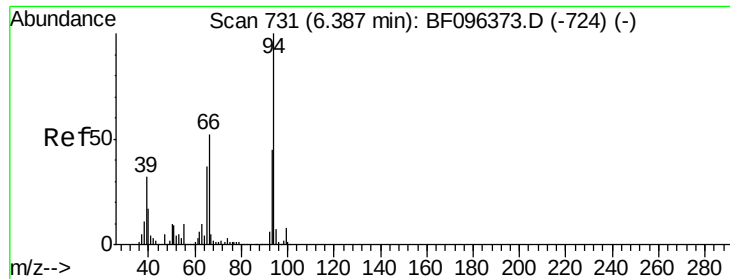
Ion Ratio Lower Upper

77 100

105 104.0 83.8 123.8

106 98.1 79.1 119.1





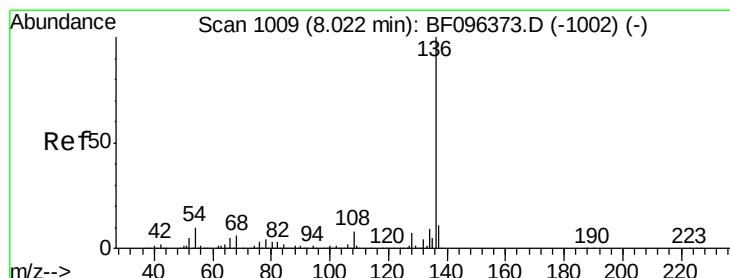
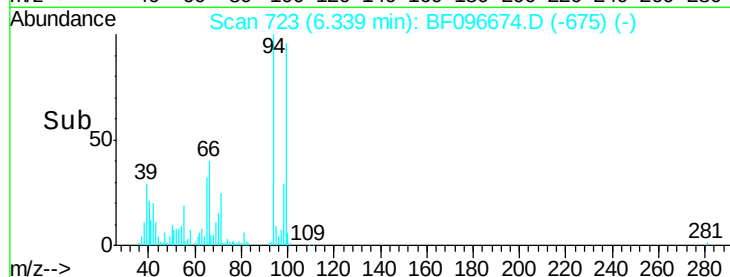
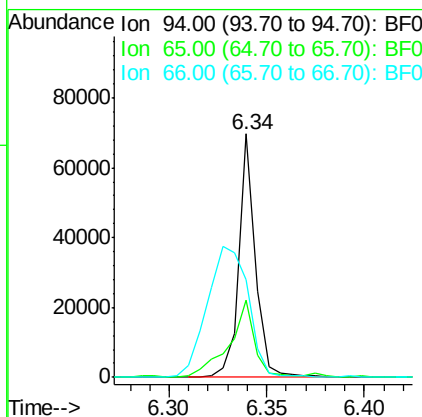
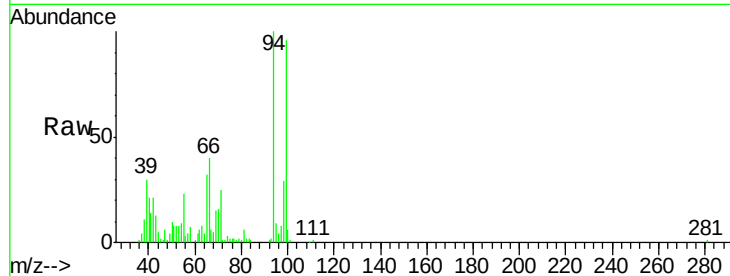
#10
Phenol
Concen: 3.863 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Instrument :
BNA_F
ClientSampleId :
E2-HS1-ESW

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.8	9.9	49.9
66	40.3	23.1	63.1

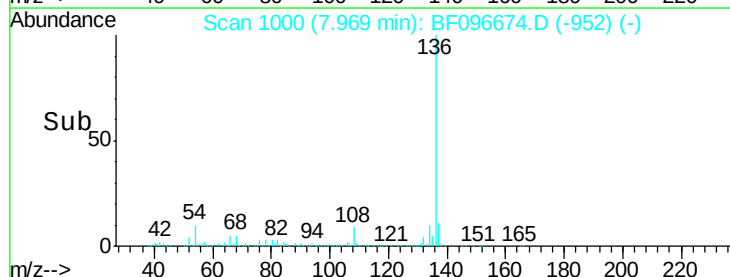
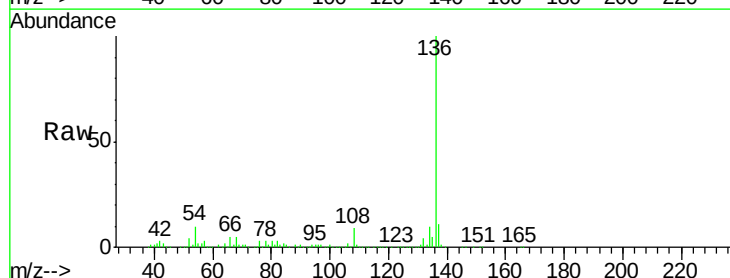
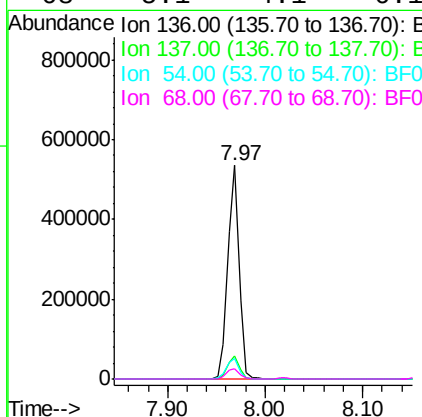
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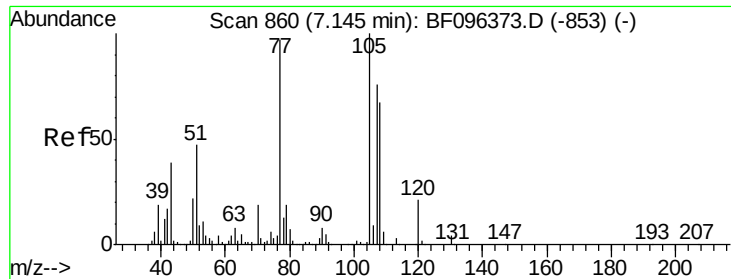
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.8	4.9	7.3#
68	5.1	4.1	6.1





#22

Acetophenone

Concen: 9.550 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF096674.D

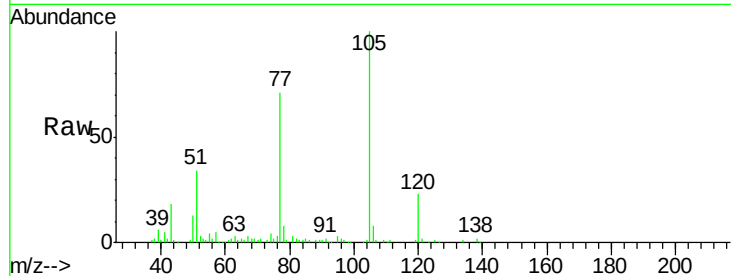
Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

ClientSampleId :

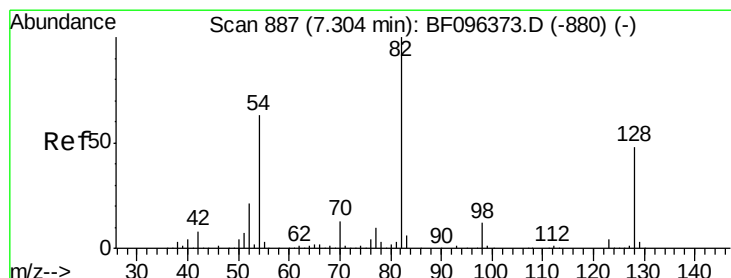
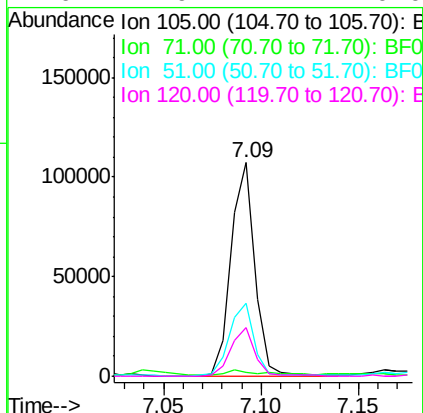
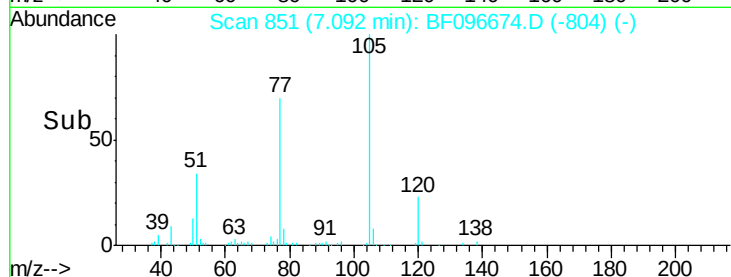
E2-HS1-ESW



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	90913		
71	71	2.0		2.8	4.2#
51	51	34.2		30.7	46.1
120	120	22.9		17.4	26.0

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#23

Nitrobenzene-d5

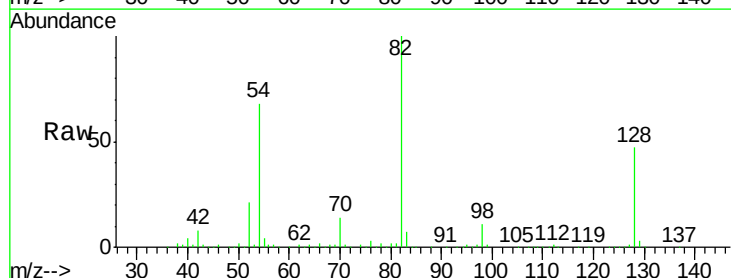
Concen: 74.630 ng

RT: 7.25 min Scan# 877

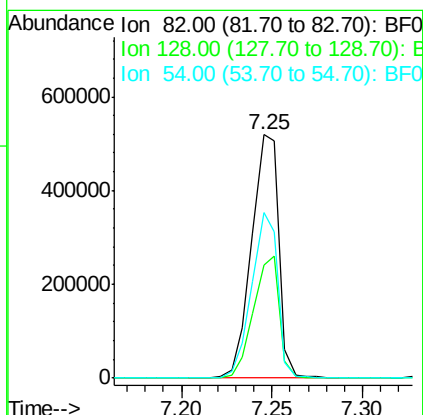
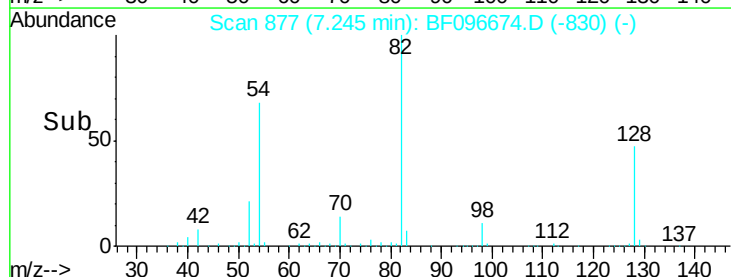
Delta R.T. -0.02 min

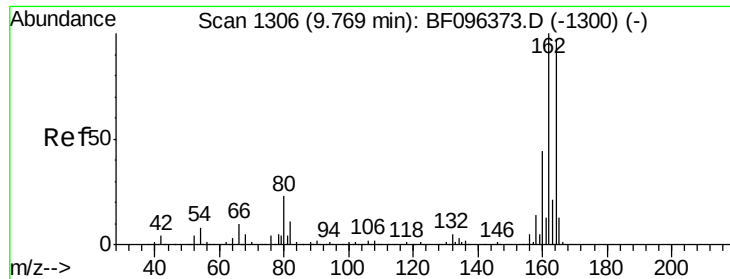
Lab File: BF096674.D

Acq: 12 Jul 2017 6:05



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	82	100	541107		
128	128	46.6		34.0	51.0
54	54	68.1		42.2	63.2#





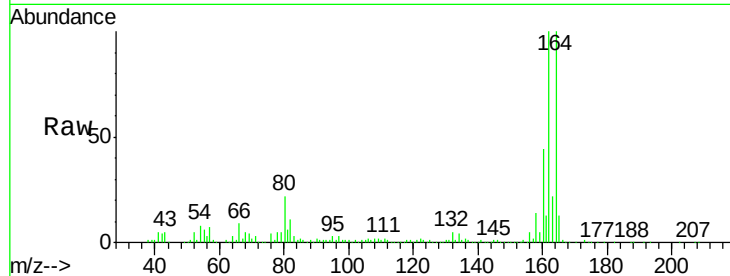
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-ESW

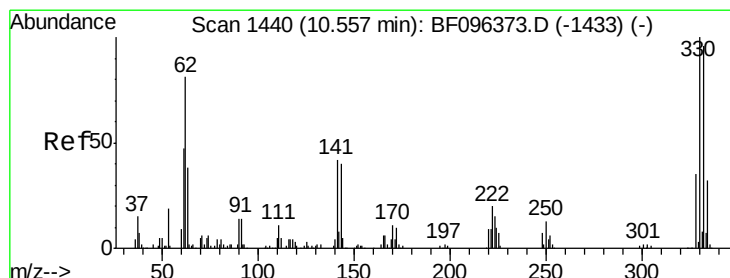
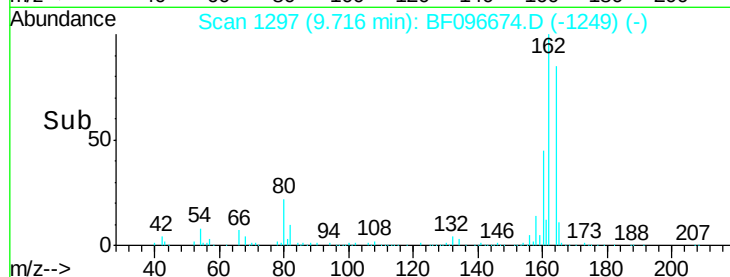
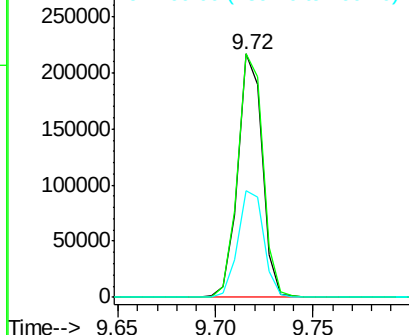
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	188756		
162	100.2	82.6	123.8	
160	43.6	36.2	54.2	

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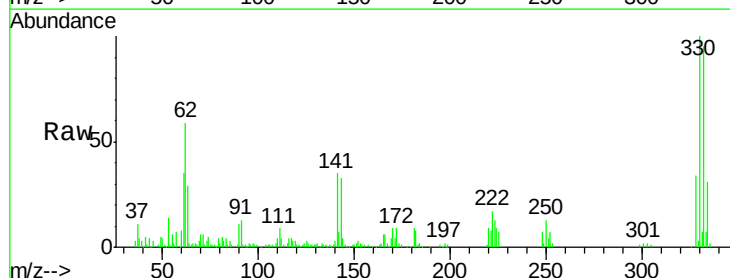


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

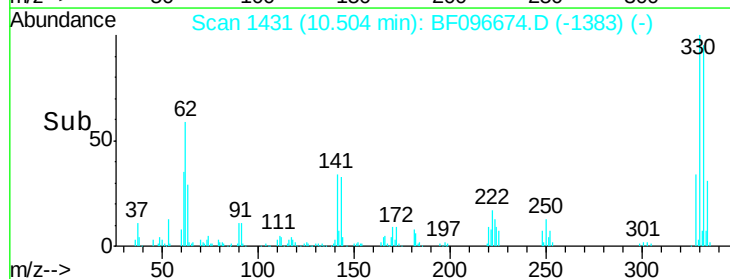
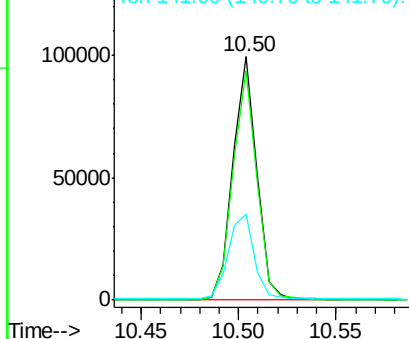


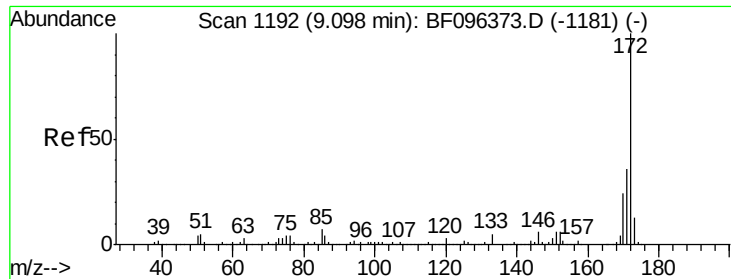
#41
 2,4,6-Tribromophenol
 Concen: 57.593 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	84916		
332	94.7	76.6	115.0	
141	37.9	31.4	47.2	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





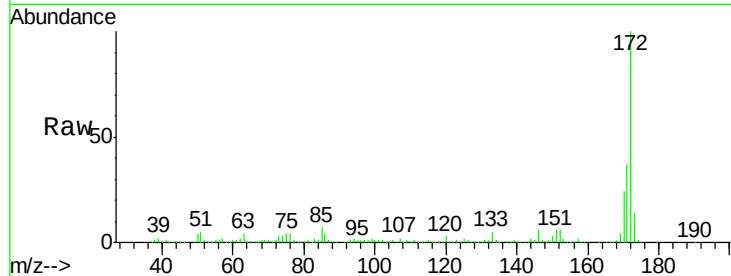
#44
2-Fluorobiphenyl
Concen: 71.818 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Instrument :
BNA_F
ClientSampleId :
E2-HS1-ESW

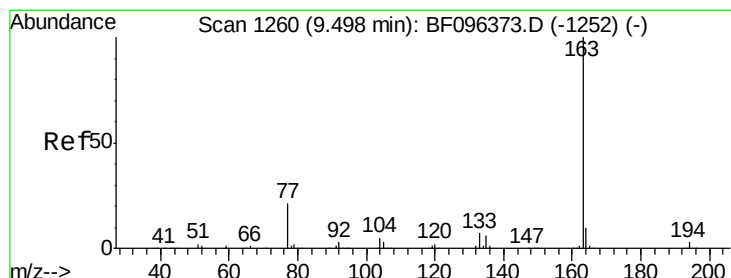
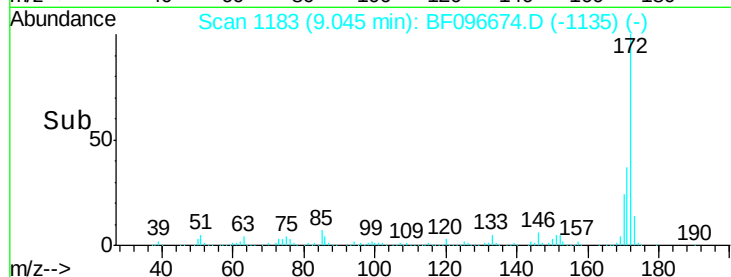
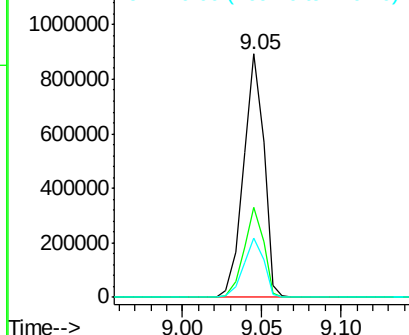
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	792861		
171	36.7	29.6	44.4	
170	24.4	19.8	29.8	

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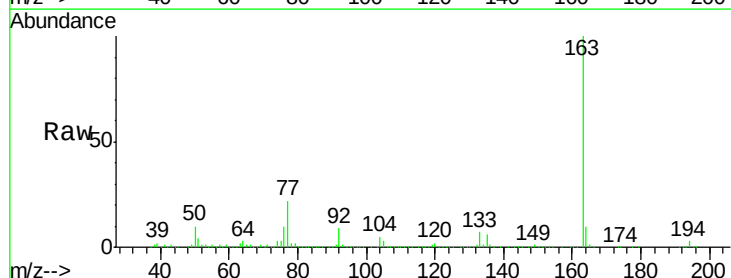


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

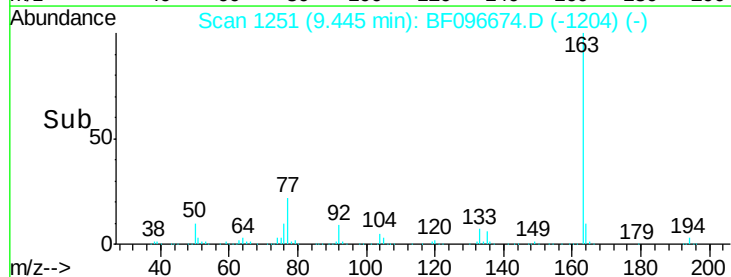
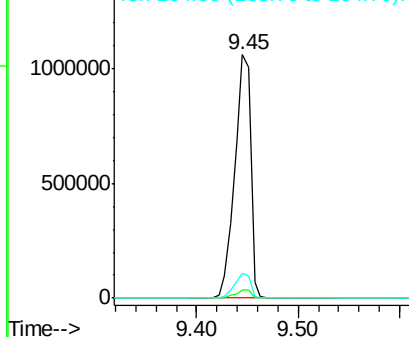


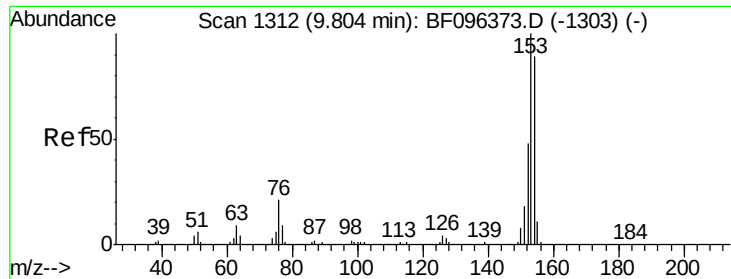
#49
Dimethylphthalate
Concen: 82.529 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	1162901		
194	3.1	2.6	4.0	
164	10.4	8.4	12.6	



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.562 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

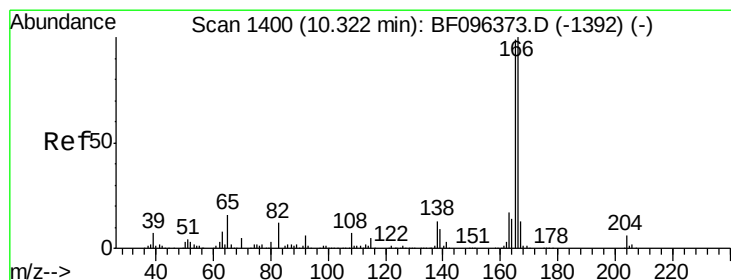
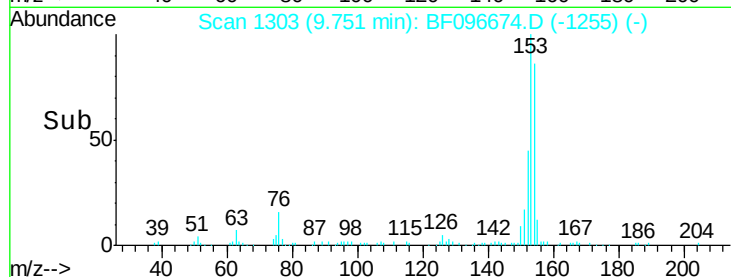
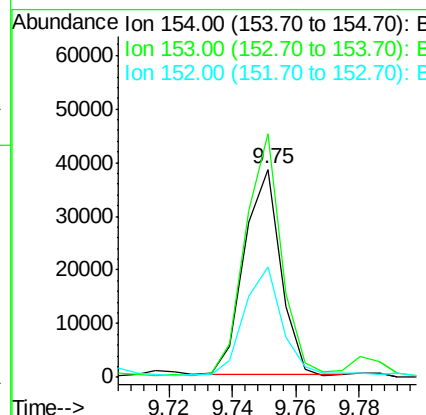
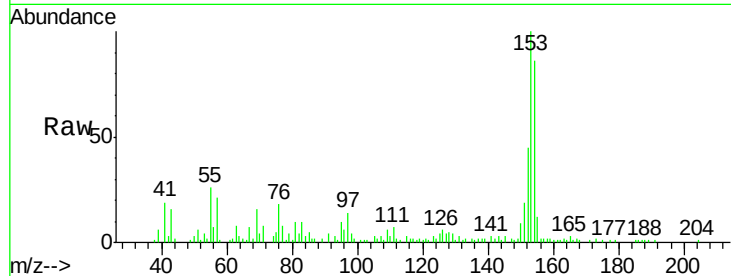
ClientSampleId :

E2-HS1-ESW

Tgt Ion:	154	Resp:	30156
Ion Ratio	Lower	Upper	
154	100		
153	116.8	90.5	135.7
152	53.2	43.6	65.4

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#57

Fluorene

Concen: 2.518 ng

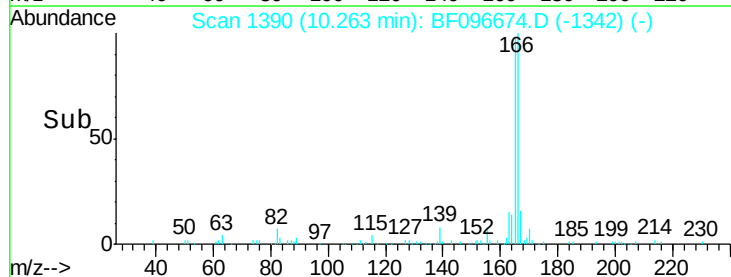
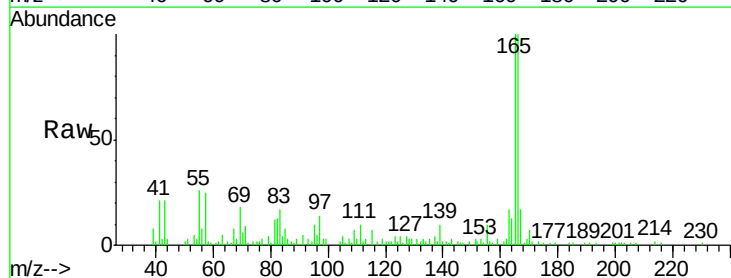
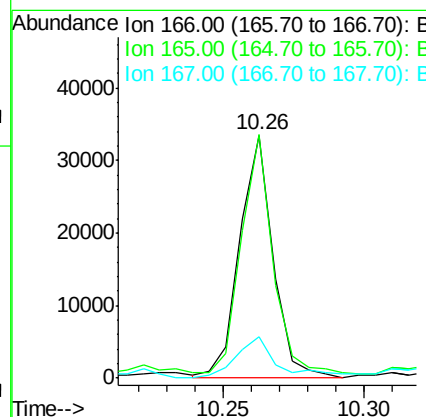
RT: 10.26 min Scan# 1390

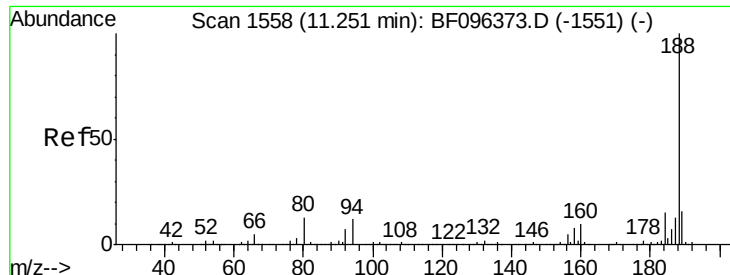
Delta R.T. -0.02 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Tgt Ion:	166	Resp:	27638
Ion Ratio	Lower	Upper	
166	100		
165	100.2	78.8	118.2
167	17.1	10.6	16.0#





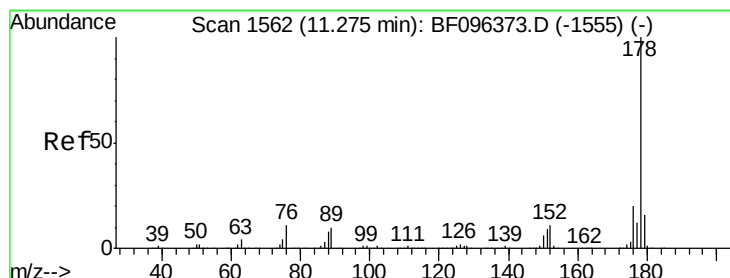
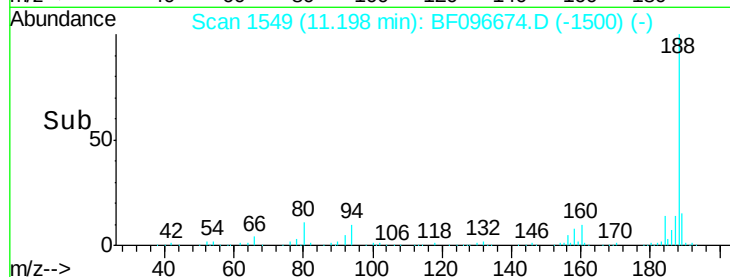
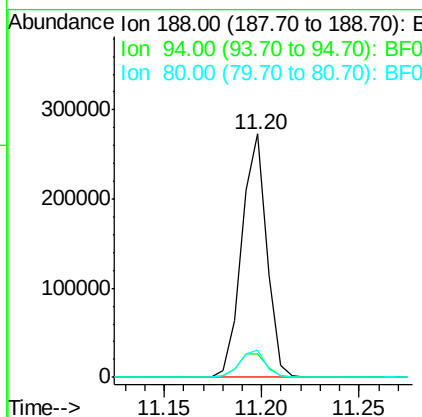
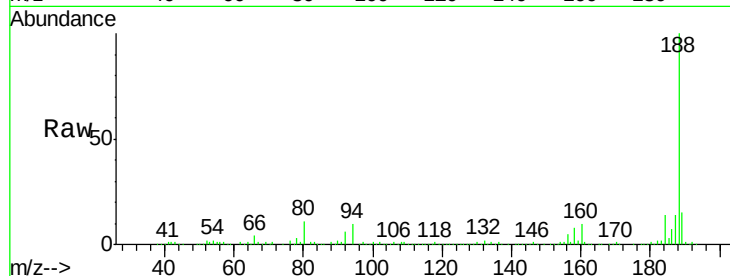
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-ESW

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	9.4	14.2
80	11.2	10.2	15.2

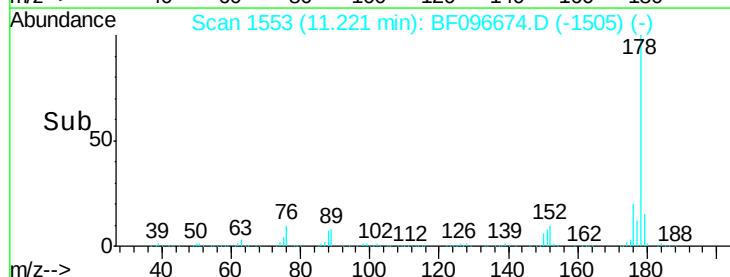
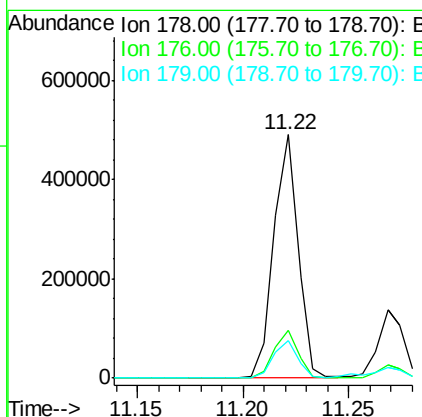
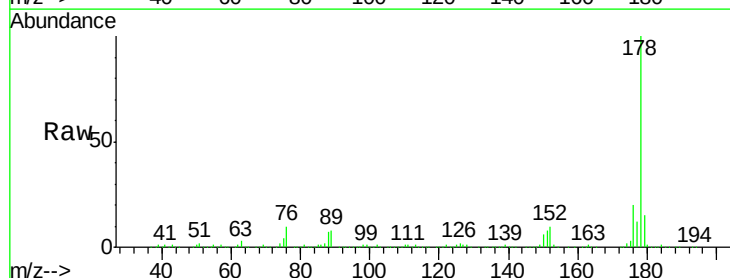
Manual Integrations
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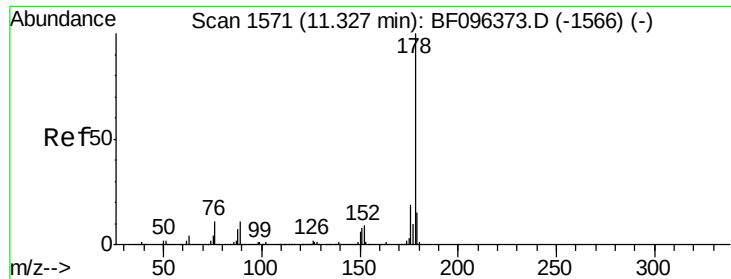
mohammad
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#70
 Phenanthrene
 Concen: 30.190 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	16.2	24.4
179	15.4	12.6	19.0





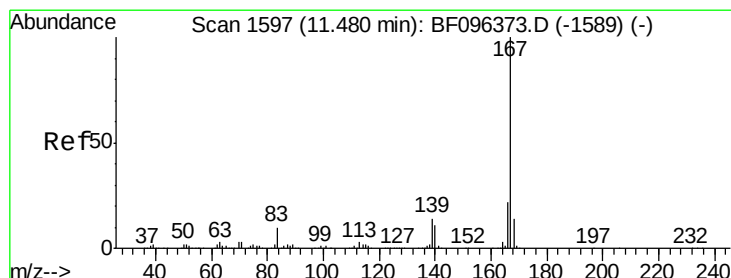
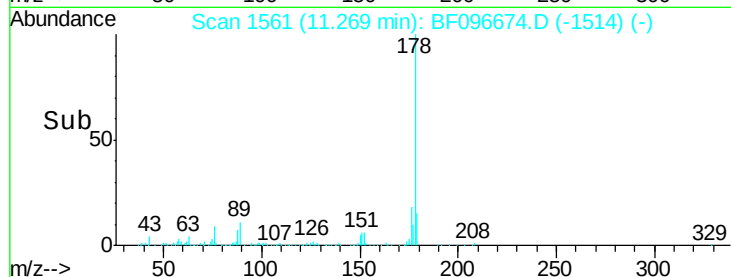
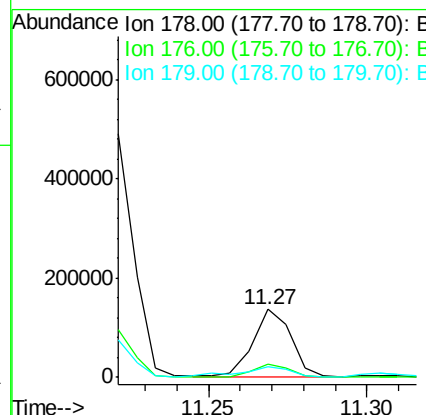
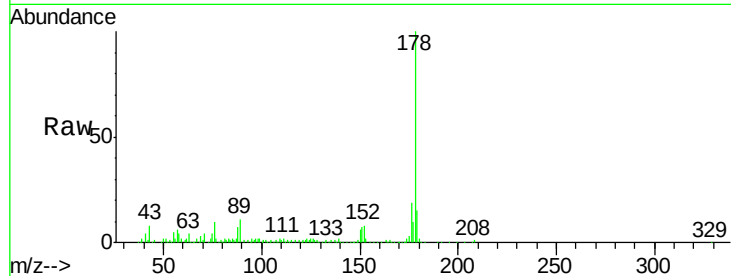
#71
 Anthracene
 Concen: 8.503 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-ESW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.3	12.7	19.1

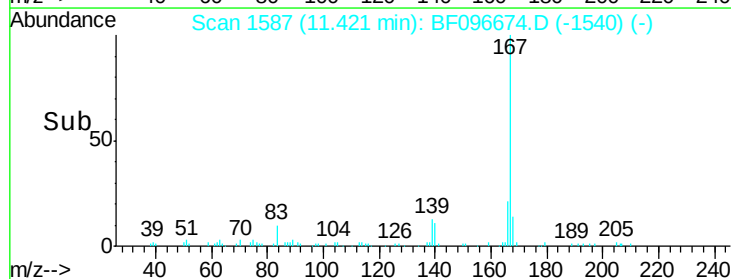
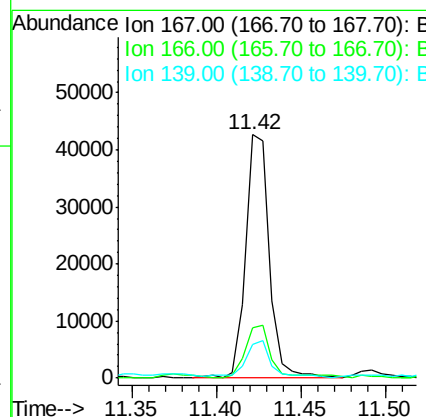
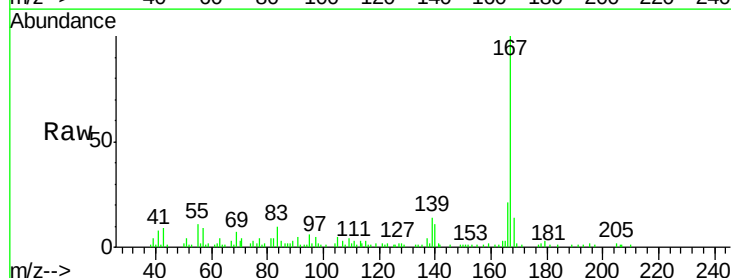
Manual Integrations
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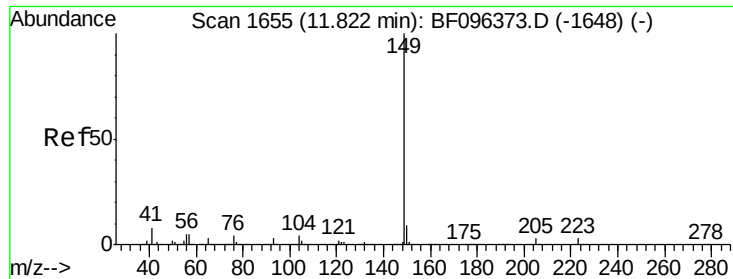
mohammad
 7/12/2017 4:58:05 PM



#72
 Carbazole
 Concen: 3.111 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	18.1	27.1
139	13.6	11.7	17.5





#73

Di-n-butylphthalate

Concen: 3.841 ng

RT: 11.77 min Scan# 1646

Delta R.T. -0.01 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

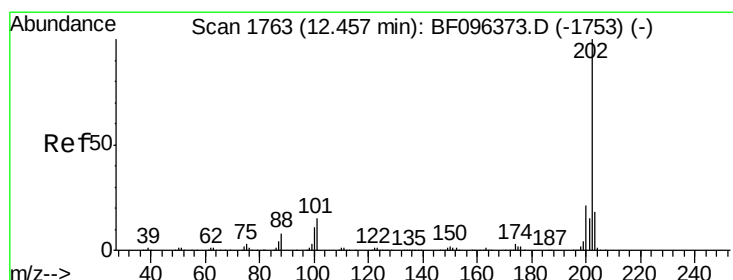
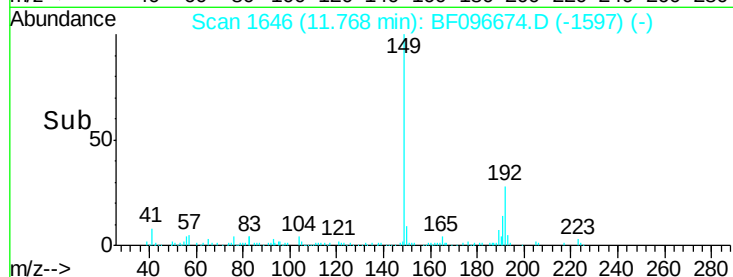
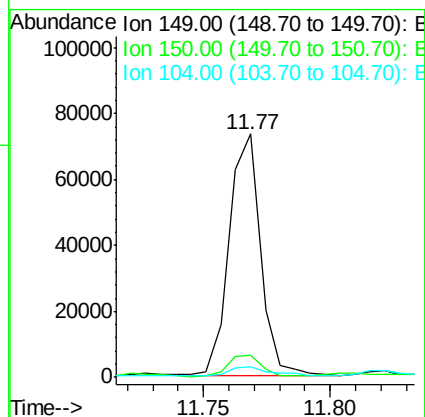
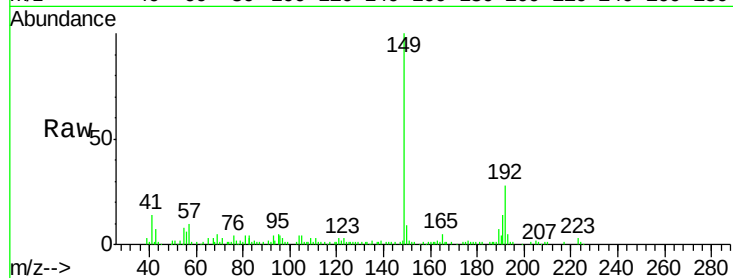
ClientSampled :

E2-HS1-ESW

Tgt Ion:	149	Resp:	62502
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	4.5	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 48.851 ng

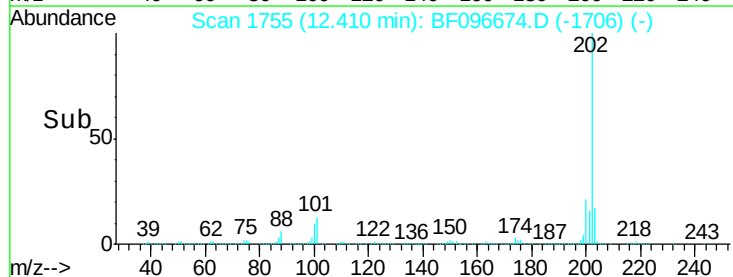
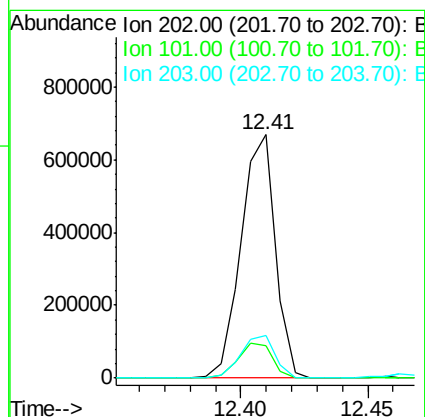
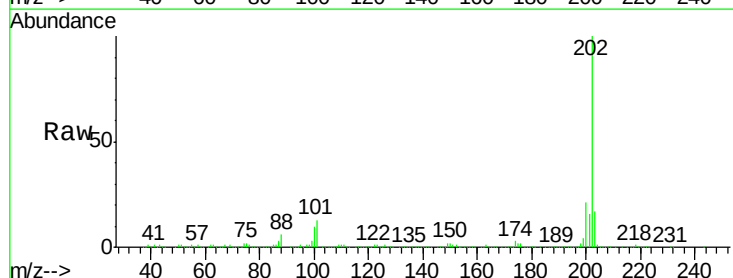
RT: 12.41 min Scan# 1755

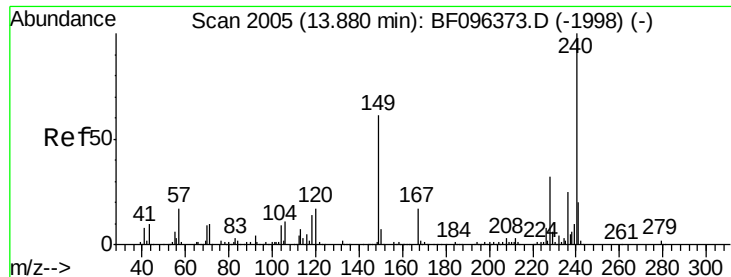
Delta R.T. -0.01 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Tgt Ion:	202	Resp:	627876
Ion Ratio	Lower	Upper	
202	100		
101	13.4	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: BF096674.D

Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS1-ESW

Tgt Ion:240 Resp: 217690
Ion Ratio Lower Upper

240 100

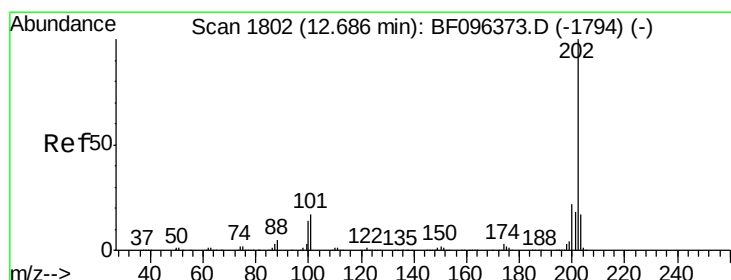
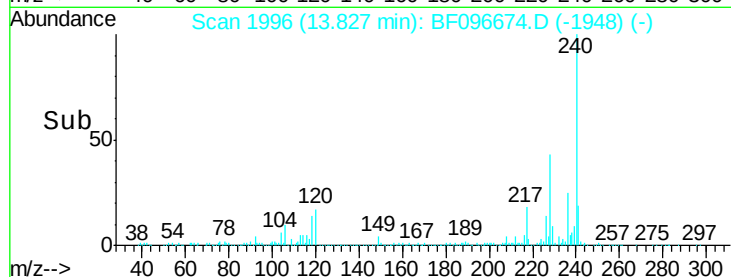
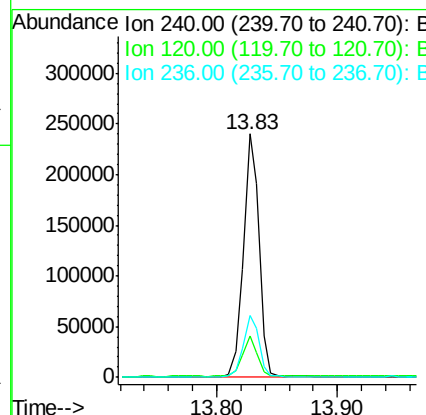
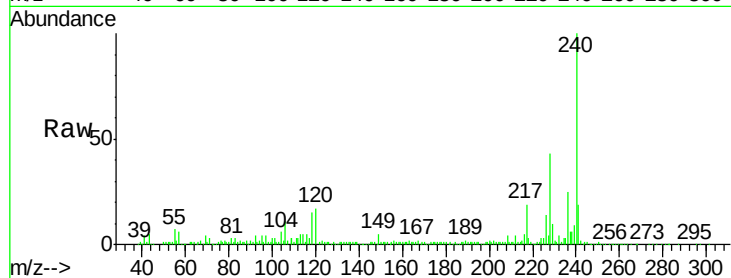
120 17.2 5.8 8.8#

236 25.2 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 31.421 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096674.D

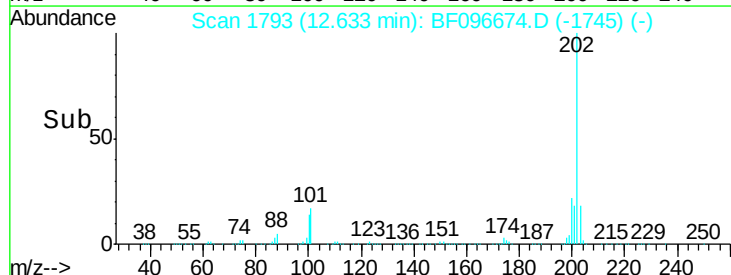
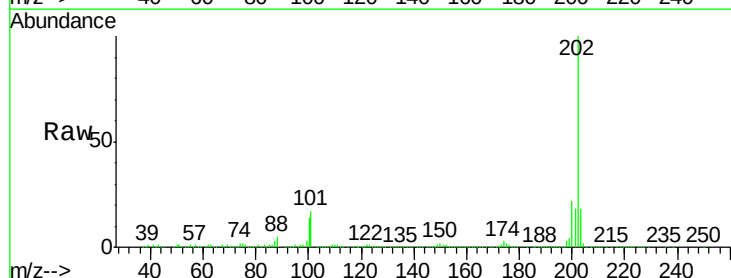
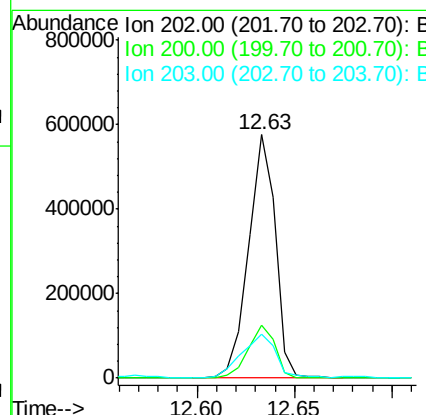
Acq: 12 Jul 2017 6:05

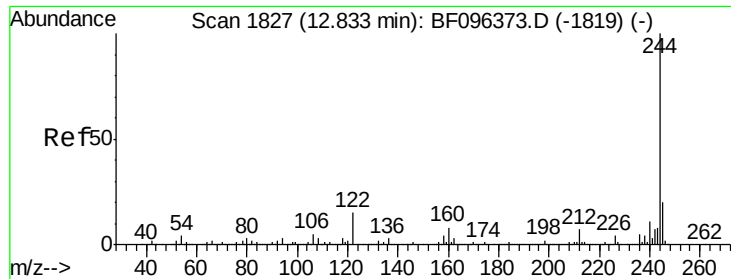
Tgt Ion:202 Resp: 549035
Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

203 17.8 14.4 21.6





#78

Terphenyl-d14

Concen: 49.196 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

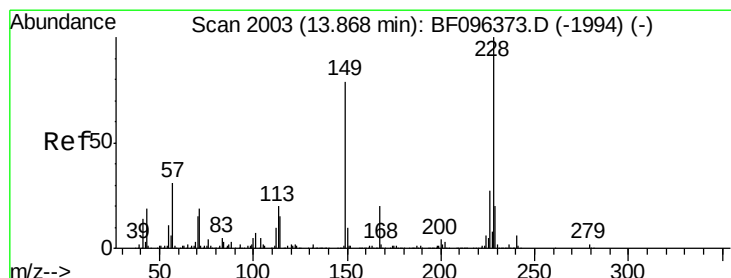
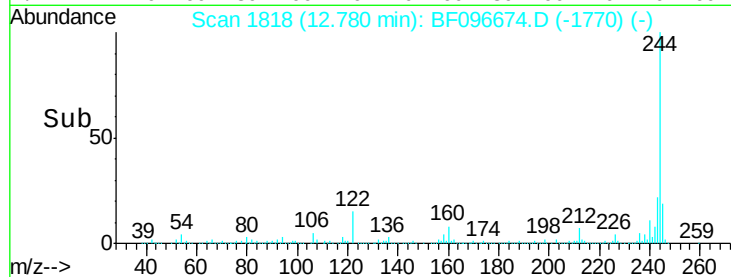
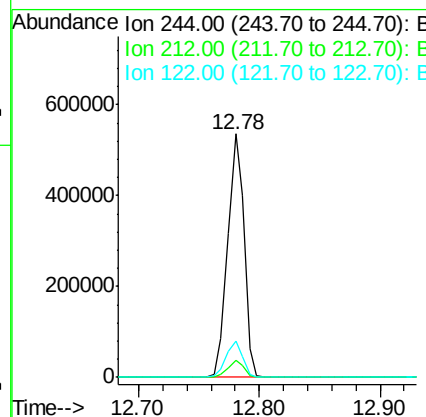
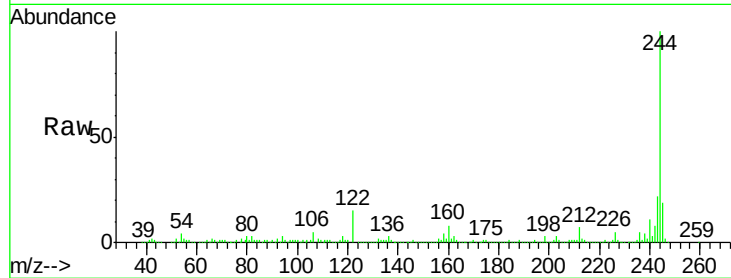
ClientSampleId :

E2-HS1-ESW

Tgt Ion:	244	Resp:	501182
Ion Ratio		Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.1	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 21.385 ng

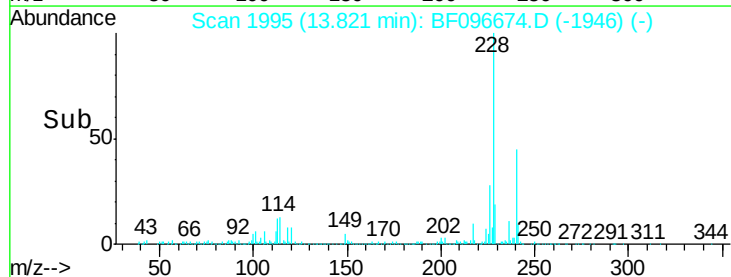
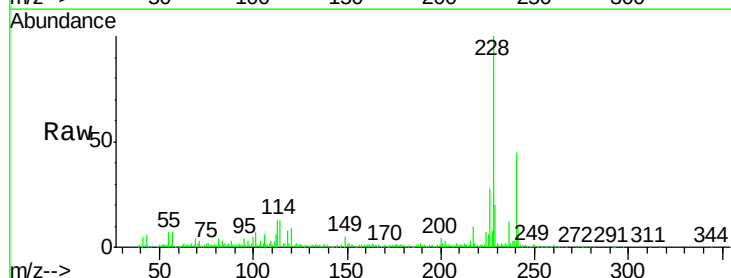
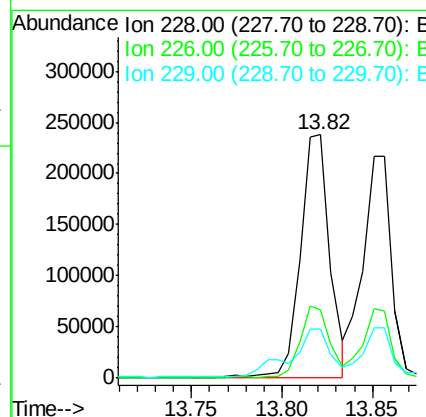
RT: 13.82 min Scan# 1995

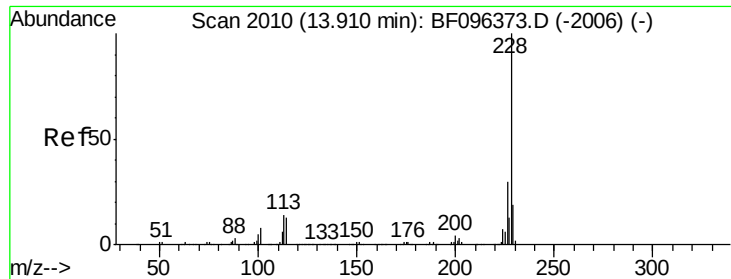
Delta R.T. -0.01 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Tgt Ion:	228	Resp:	269576
Ion Ratio		Lower	Upper
228	100		
226	28.1	22.6	33.8
229	19.9	16.3	24.5





#82

Chrysene

Concen: 18.075 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096674.D

Acq: 12 Jul 2017 6:05

Instrument :

BNA_F

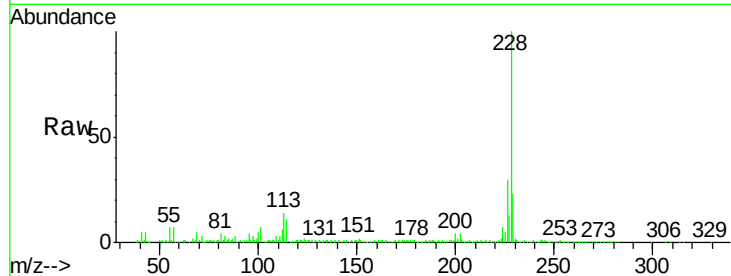
ClientSampleId :

E2-HS1-ESW

Tgt Ion:	228	Resp:	238616
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.9	37.3
229	22.6	15.8	23.6

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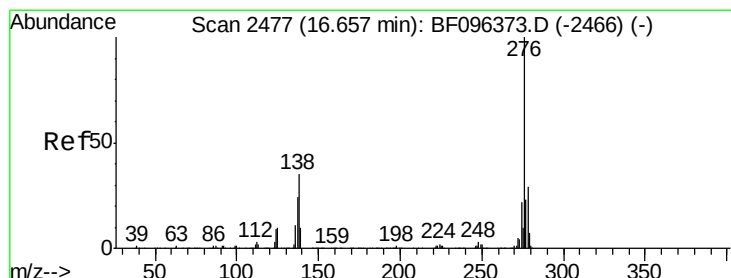
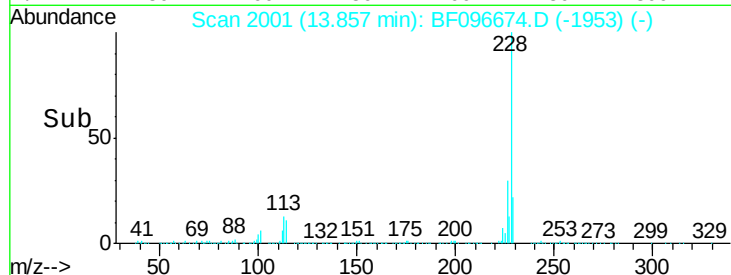
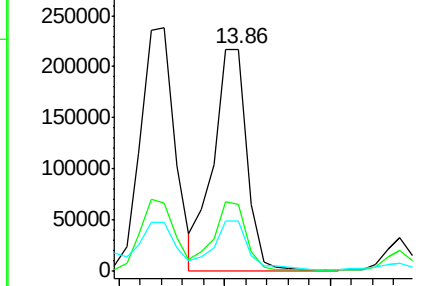
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.070 ng

RT: 16.57 min Scan# 2463

Delta R.T. -0.03 min

Lab File: BF096674.D

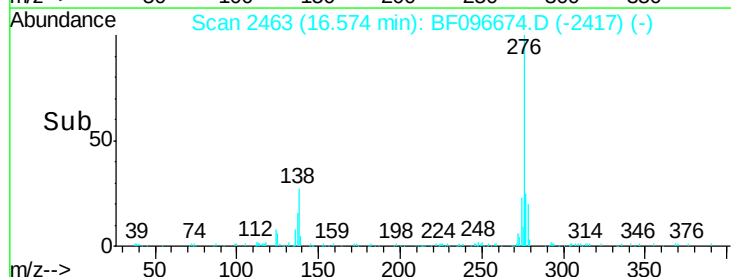
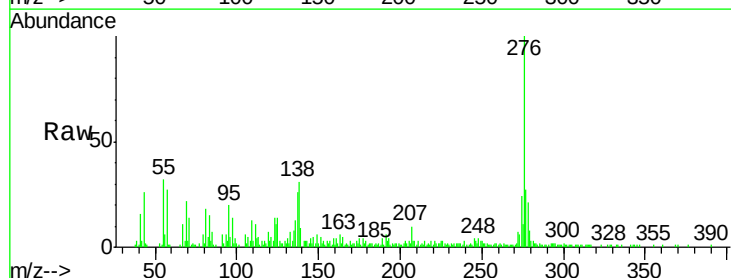
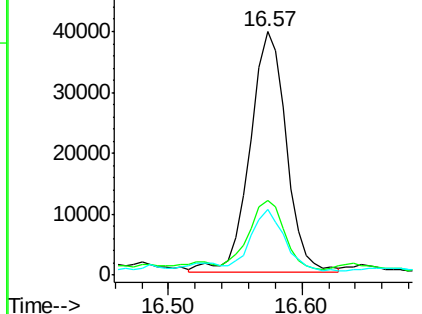
Acq: 12 Jul 2017 6:05

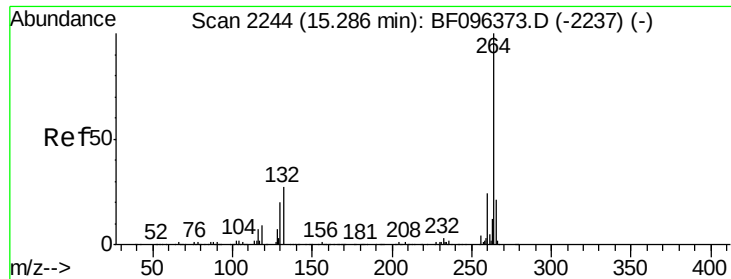
Tgt Ion:	276	Resp:	73668
Ion Ratio	Lower	Upper	
276	100		
138	28.4	27.8	41.6
277	23.9	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





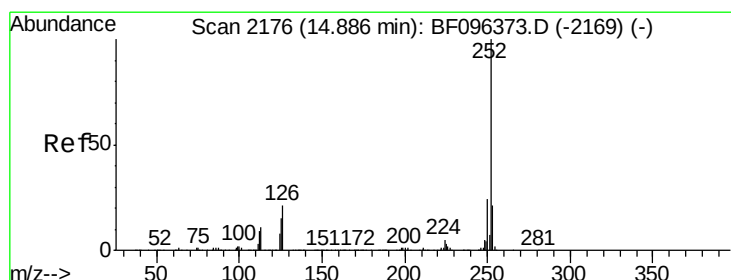
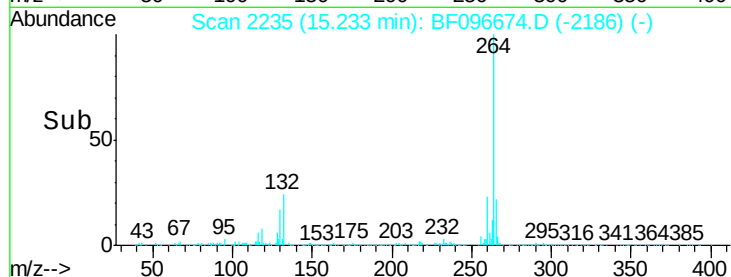
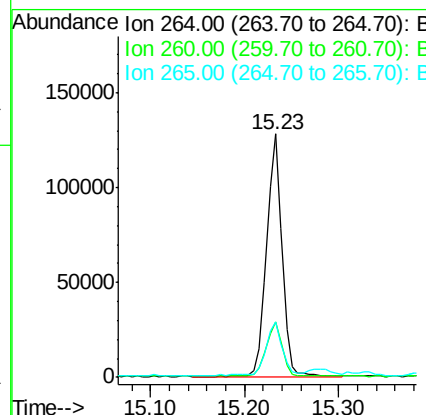
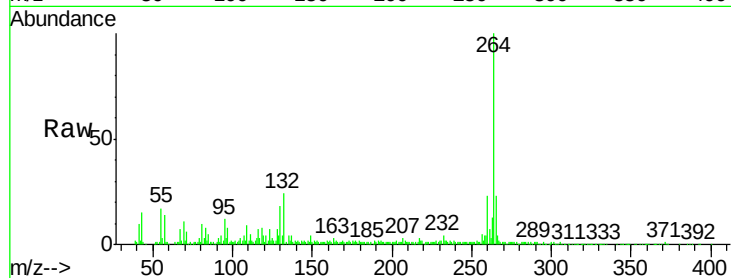
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Instrument :
BNA_F
ClientSampleId :
E2-HS1-ESW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.9	17.2	25.8

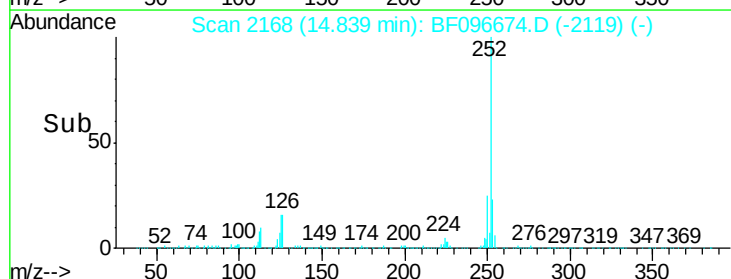
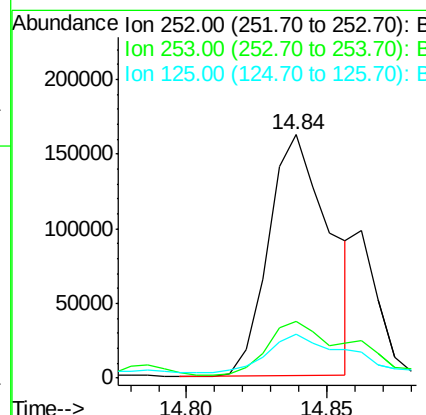
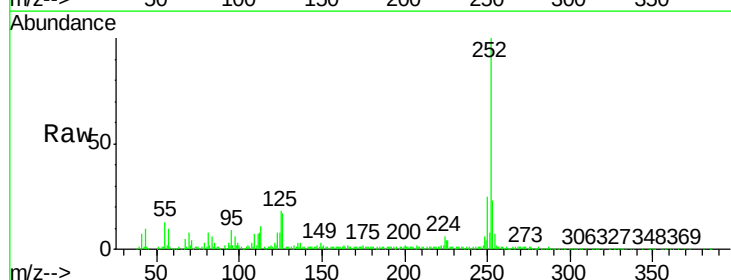
Manual Integrations
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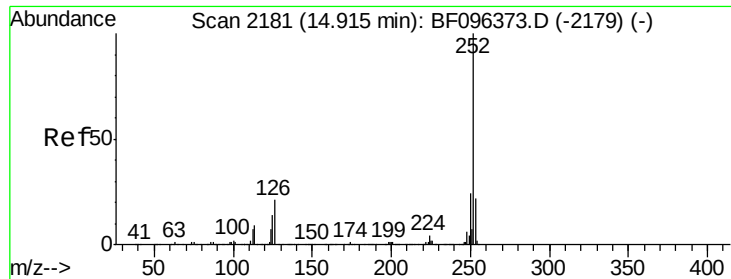
mohammad
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#87
Benzo(b)fluoranthene
Concen: 26.709 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	18.0	9.8	14.8#





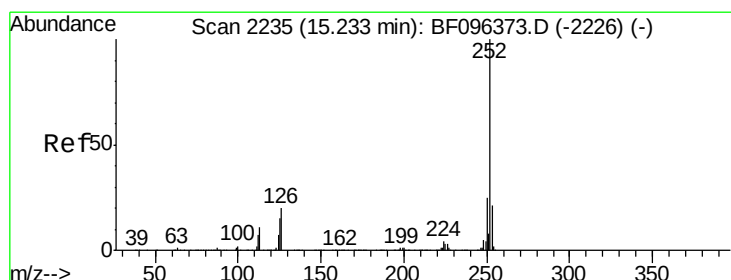
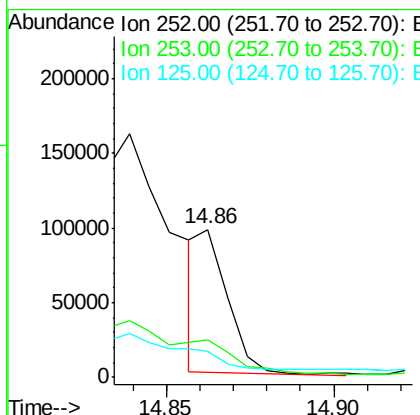
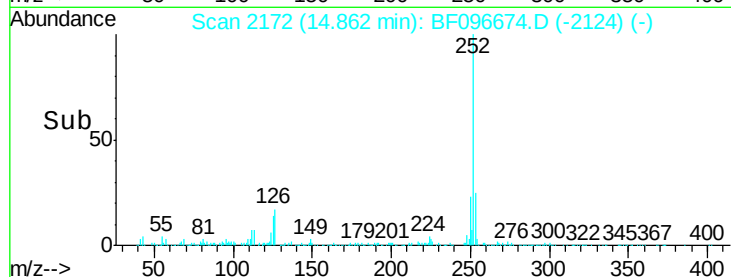
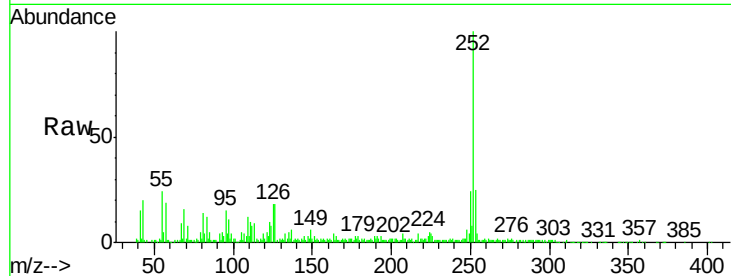
#88
 Benzo(k)fluoranthene
 Concen: 6.927 ng m
 RT: 14.86 min Scan# 2172
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-ESW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	17.5	13.1	19.7

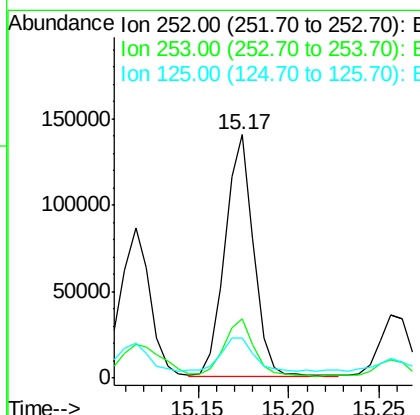
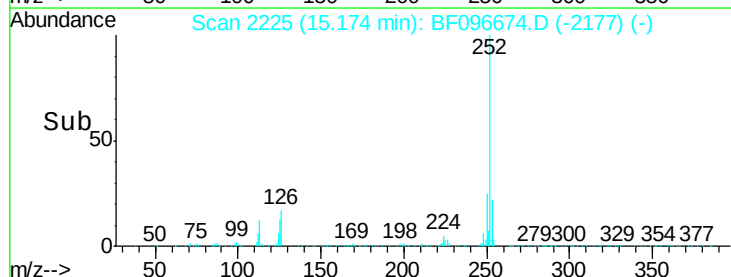
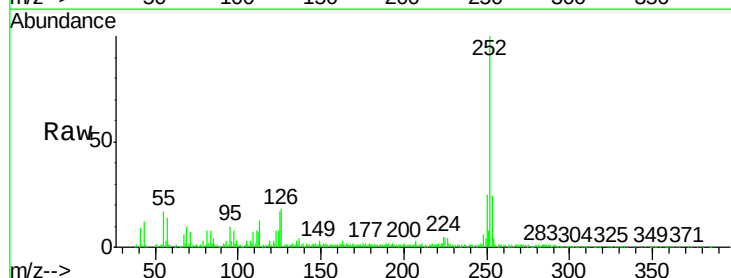
Manual Integrations
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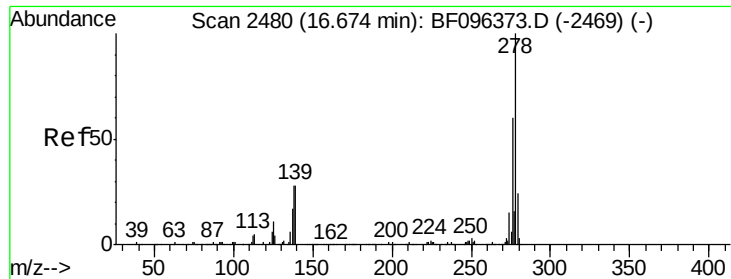
mohammad
 7/12/2017 4:58:05 PM



#89
 Benzo(a)pyrene
 Concen: 18.669 ng
 RT: 15.17 min Scan# 2225
 Delta R.T. -0.02 min
 Lab File: BF096674.D
 Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	16.6	11.0	16.4





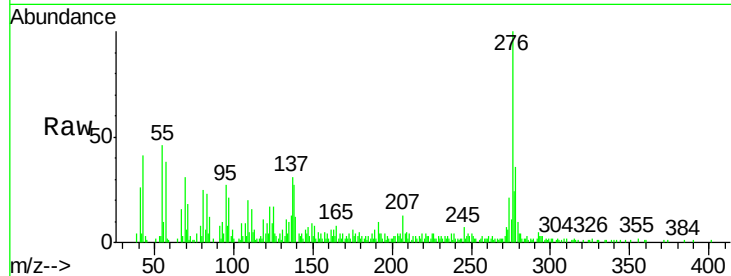
#90
Dibenzo(a,h)anthracene
Concen: 2.879 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.03 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Instrument :
BNA_F
ClientSampleId :
E2-HS1-ESW

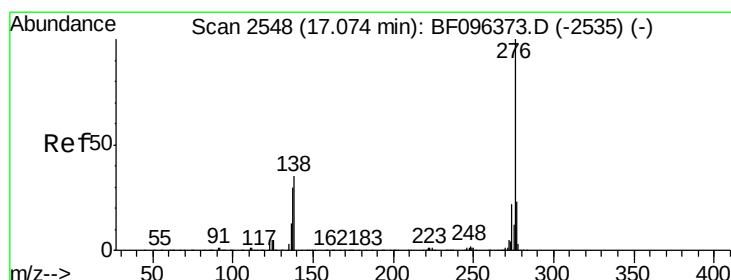
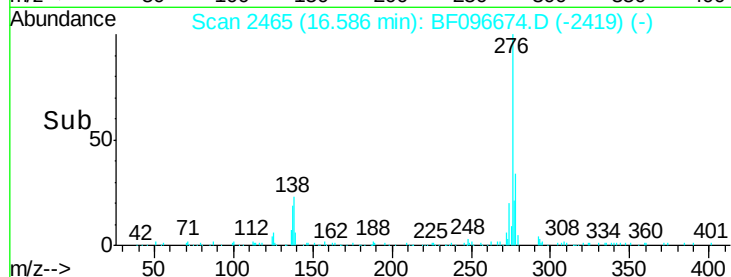
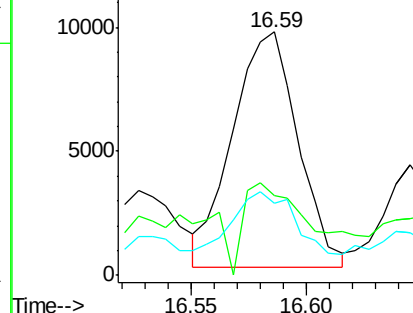
Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.9	16.6	24.8#
279	29.4	19.3	28.9#

Manual Integrations
APPROVED

mohammad
7/12/2017 4:58:05 PM

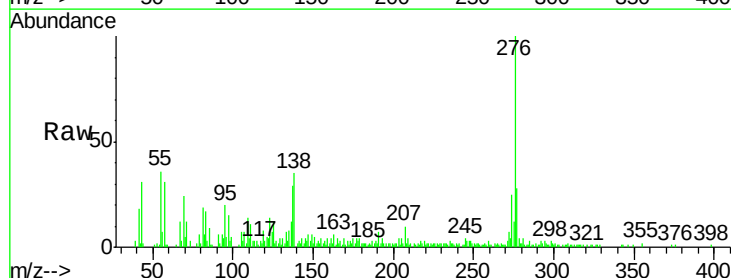


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 10.098 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF096674.D
Acq: 12 Jul 2017 6:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.6	28.0
138	34.8	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

