

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096670.D
 Acq On : 12 Jul 2017 4:13
 Operator : SJ/JU
 Sample : I4130-06 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Manual Integrations
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Quant Time: Jul 12 05:08:20 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	6.68	152	102080	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	445257	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	174105	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	226820	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	195936	20.00	ng	-0.02
86) Perylene-d12	15.23	264	162134	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	256134	37.03	ng	-0.02
7) Phenol-d6	6.32	99	538731	63.36	ng	-0.02
23) Nitrobenzene-d5	7.25	82	323413	43.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	18869	13.87	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	542622	53.29	ng	-0.02
78) Terphenyl-d14	12.77	244	281415	30.69	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.23	77	14186	2.666	ng	98
10) Phenol	6.33	94	28420	2.934	ng	91
49) Dimethylphthalate	9.44	163	344582	26.512	ng	97
51) Acenaphthene	9.75	154	38073	3.506	ng	99
57) Fluorene	10.26	166	31603	3.121	ng	96
70) Phenanthrene	11.22	178	354554	28.916	ng	99
71) Anthracene	11.27	178	98828	7.910	ng	98
72) Carbazole	11.42	167	47896	3.812	ng	97
73) Di-n-butylphthalate	11.76	149	88273	5.800	ng	99
74) Fluoranthene	12.40	202	575796	47.897	ng	98
77) Pyrene	12.63	202	508065	32.305	ng	99
80) Benzo(a)anthracene	13.82	228	235868	20.788	ng	99
82) Chrysene	13.85	228	188996	15.906	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	19016	2.140	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.56	276	79263	8.451	ng	99
87) Benzo(b)fluoranthene	14.83	252	247076m	24.320	ng	
88) Benzo(k)fluoranthene	14.86	252	62913m	6.923	ng	
89) Benzo(a)pyrene	15.17	252	162531	17.919	ng	97
90) Dibenzo(a,h)anthracene	16.57	278	21994	3.082	ng	# 72
91) Benzo(g,h,i)perylene	16.97	276	65275	8.828	ng	99

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

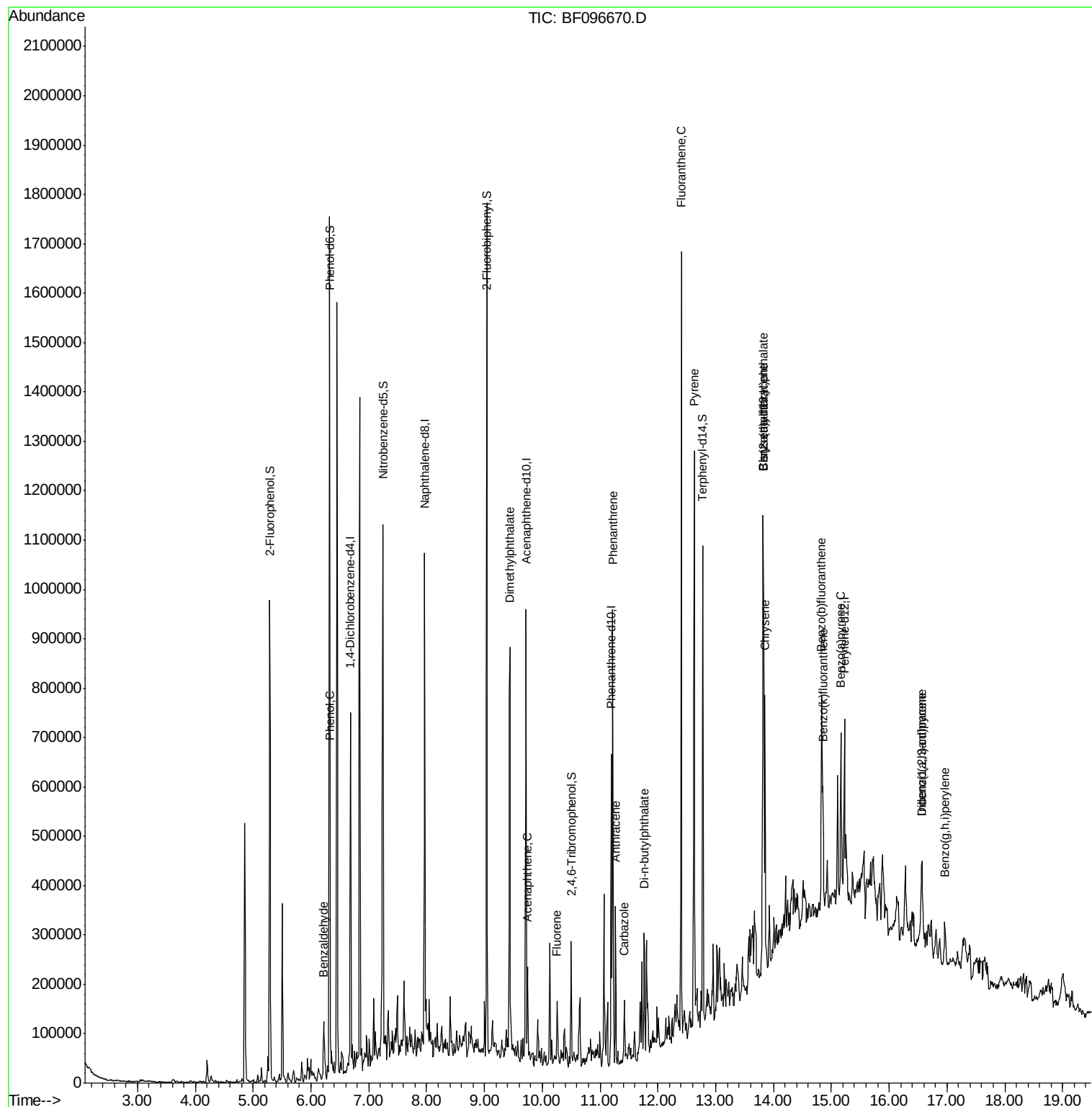
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096670.D
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ALS Vial : 35 Sample Multiplier: 1

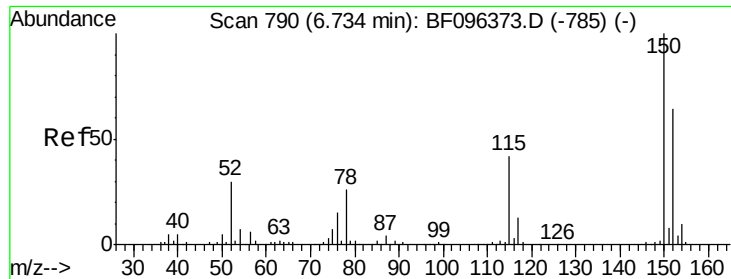
Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

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Quant Time: Jul 12 05:08:20 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

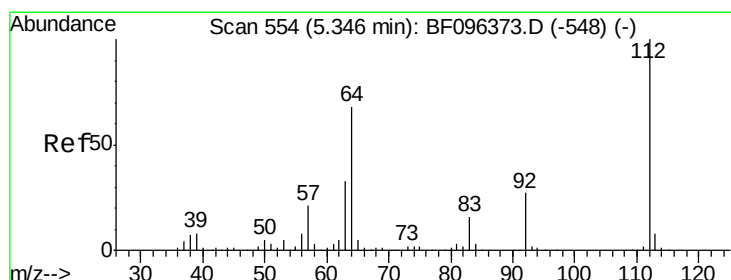
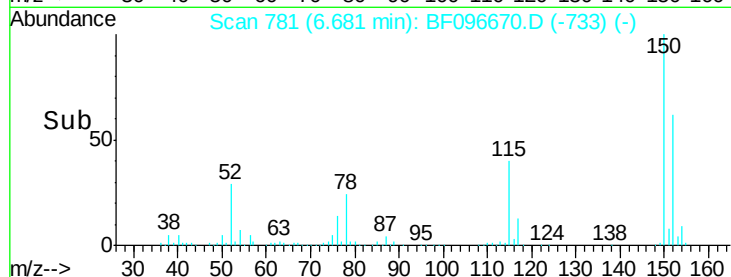
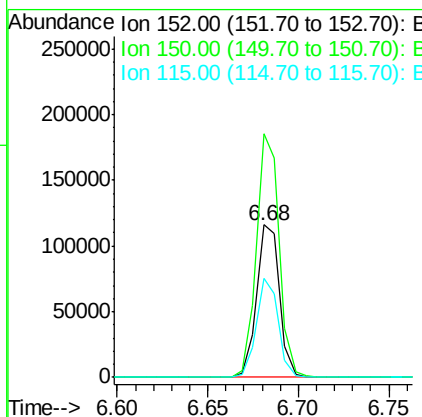
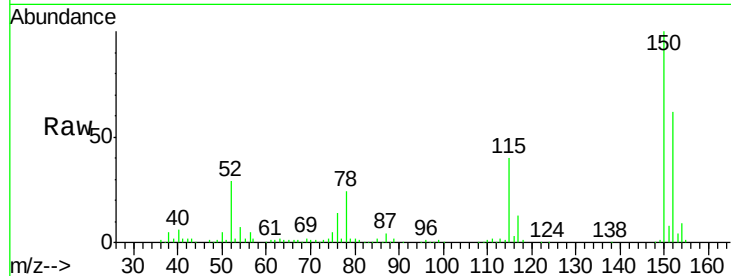
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	64.7	52.2	78.2

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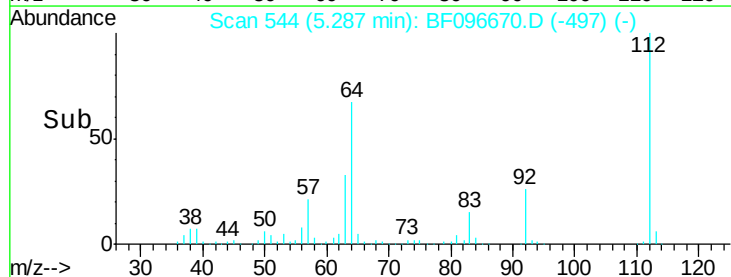
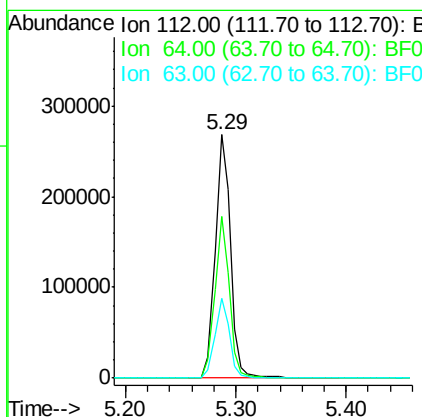
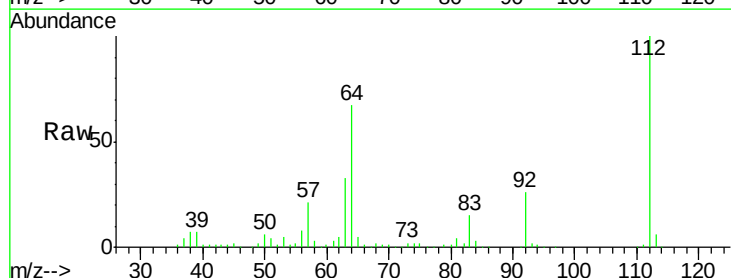
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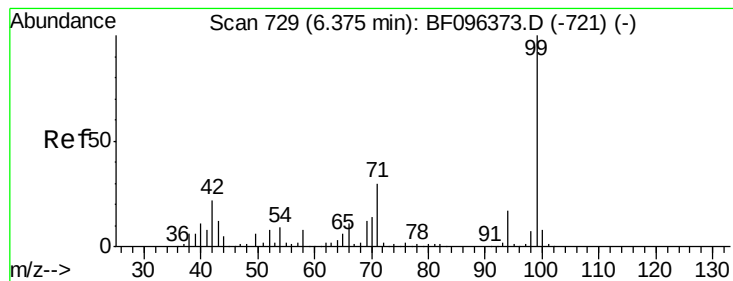


#5

2-Fluorophenol
Concen: 37.034 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.0	69.0
63	33.0	23.4	35.0





#7

Phenol-d6

Concen: 63.362 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

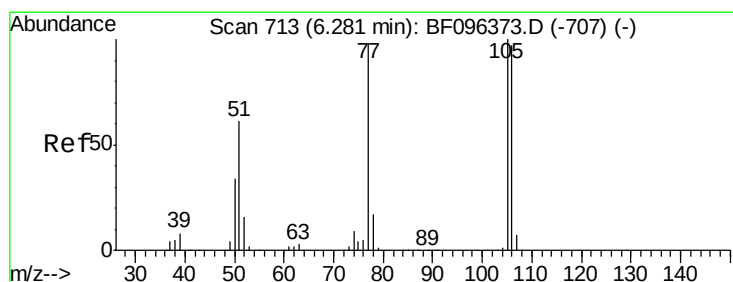
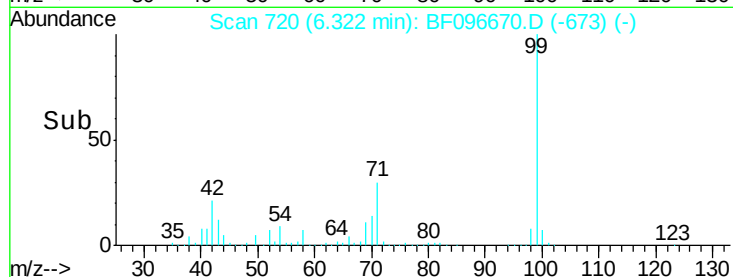
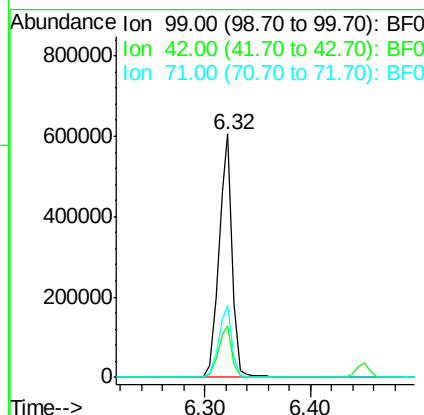
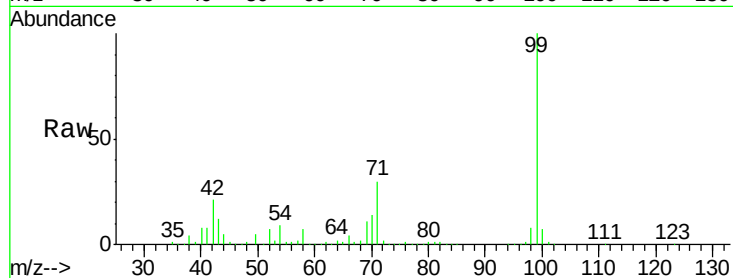
ClientSampleId :

E2-HS1-SSW

Tgt Ion:	99	Resp:	538731
Ion Ratio	Lower	Upper	
99	100		
42	21.5	13.5	20.3#
71	29.7	24.5	36.7

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#9

Benzaldehyde

Concen: 2.666 ng

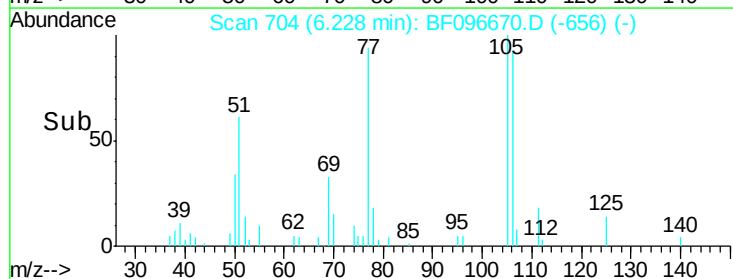
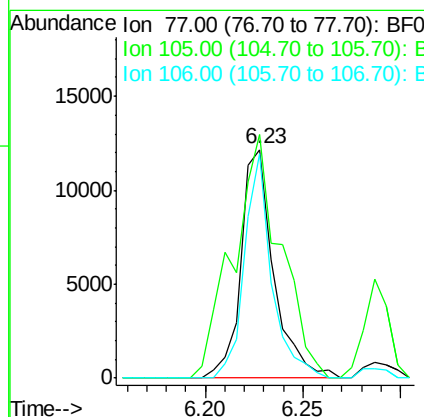
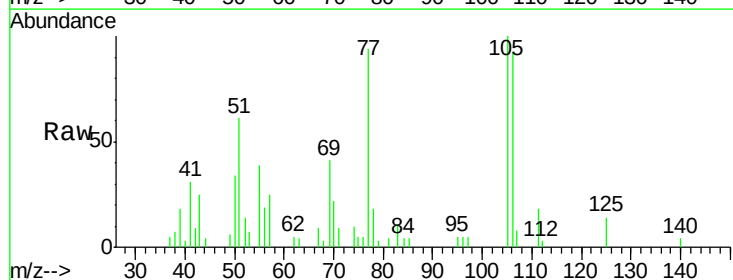
RT: 6.23 min Scan# 704

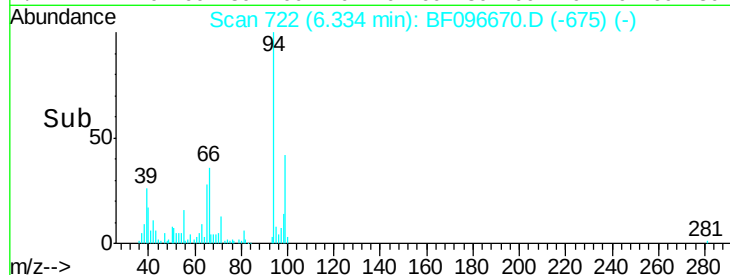
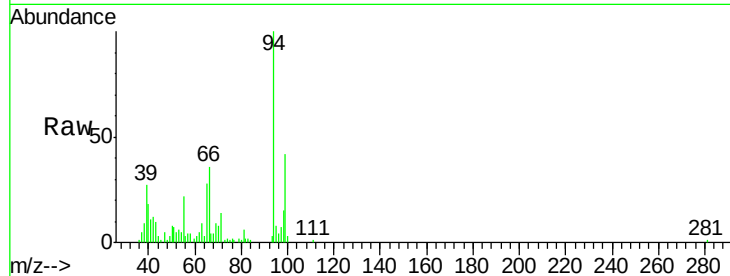
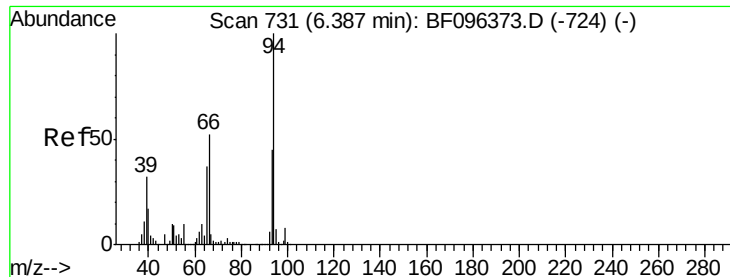
Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	77	Resp:	14186
Ion Ratio	Lower	Upper	
77	100		
105	106.7	83.8	123.8
106	98.1	79.1	119.1





#10

Phenol

Concen: 2.934 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	94	Resp:	28420
Ion	Ratio	Lower	Upper
94	100		
65	27.6	9.9	49.9
66	35.7	23.1	63.1

Instrument :

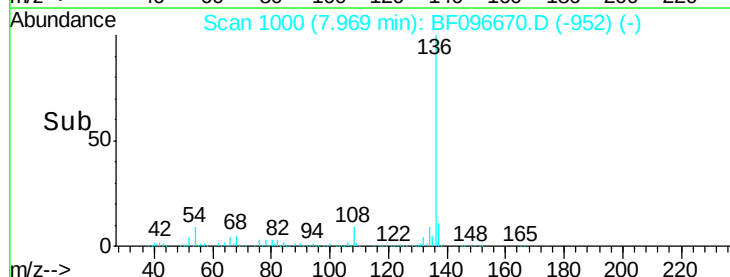
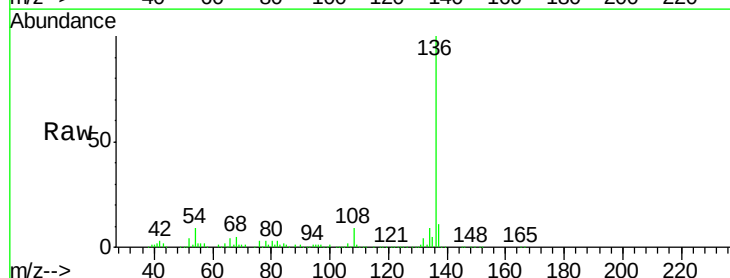
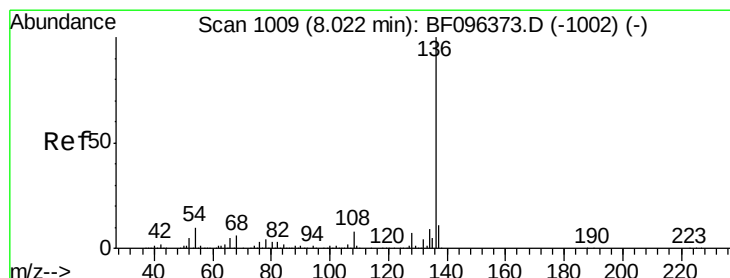
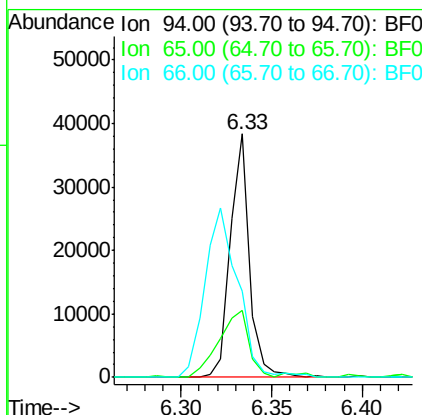
BNA_F

ClientSampleId :

E2-HS1-SSW

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#21

Naphthalene-d8

Concen: 20.000 ng

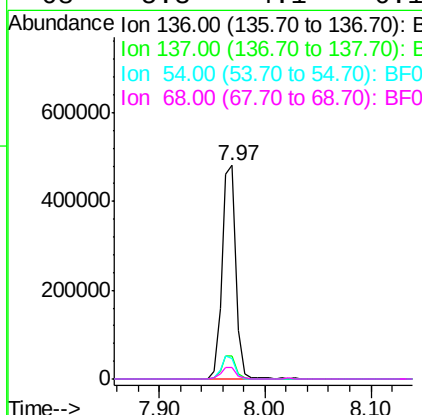
RT: 7.97 min Scan# 1000

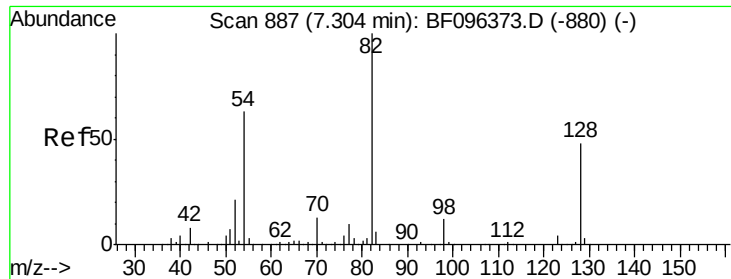
Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	136	Resp:	445257
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.4	4.9	7.3#
68	5.3	4.1	6.1





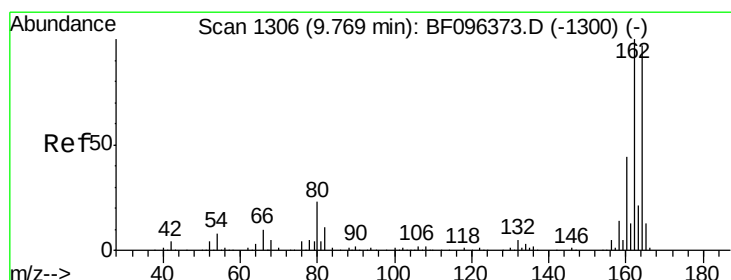
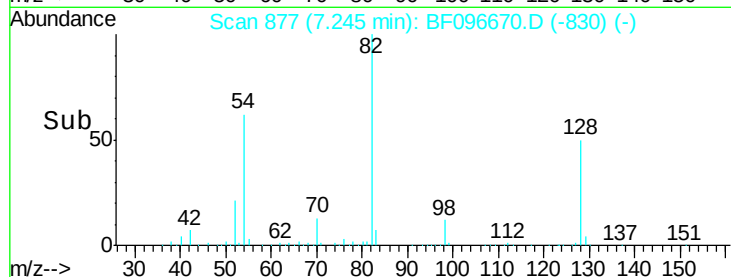
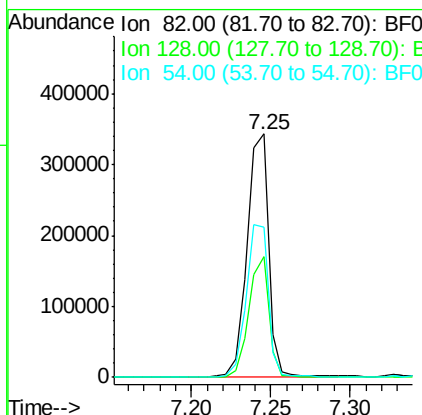
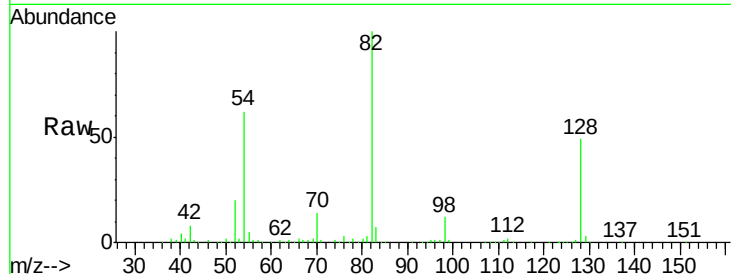
#23
 Nitrobenzene-d5
 Concen: 43.647 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	323413		
128	49.5	34.0	51.0	
54	61.9	42.2	63.2	

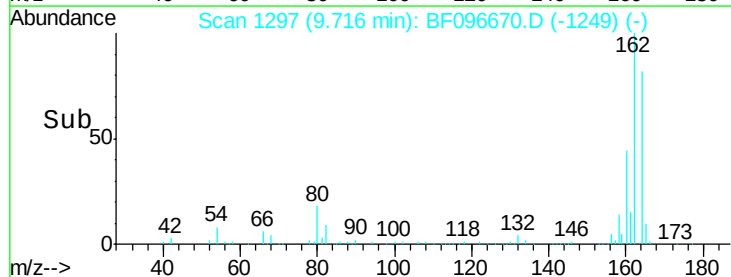
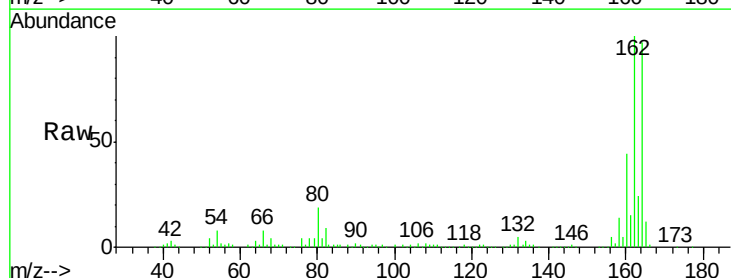
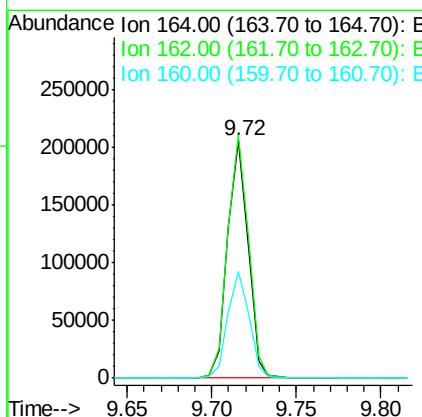
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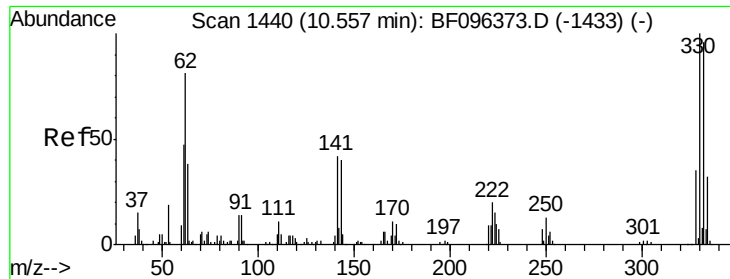
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174105		
162	102.6	82.6	123.8	
160	44.9	36.2	54.2	





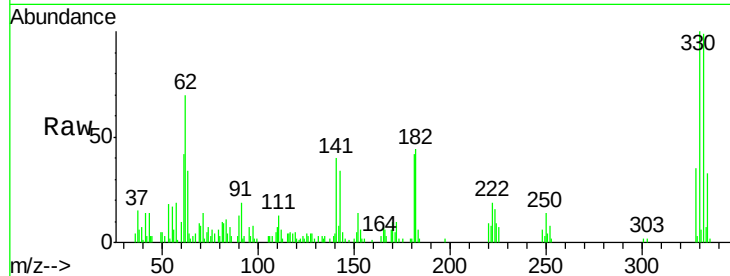
#41
 2,4,6-Tribromophenol
 Concen: 13.875 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	18869		
332	99.6	76.6	115.0	
141	47.5	31.4	47.2#	

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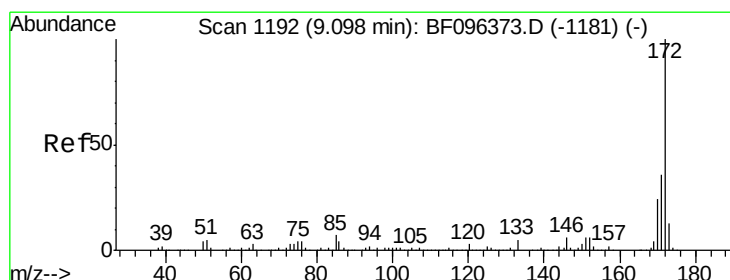
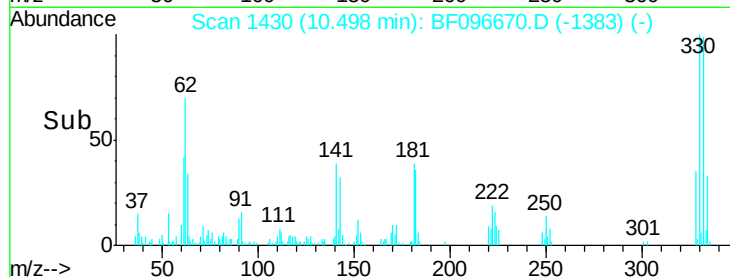
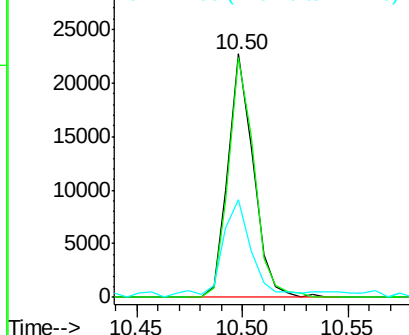


Abundance

Ion 329.80 (329.50 to 330.50): E

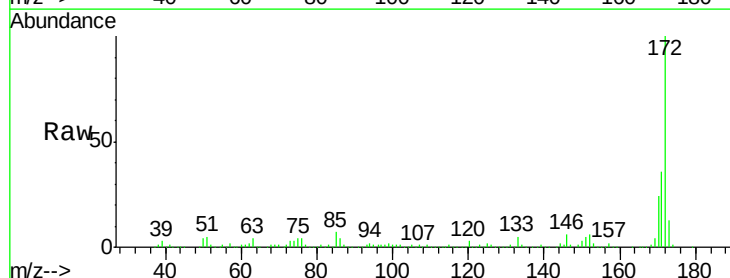
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 53.287 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	542622		
171	36.3	29.6	44.4	
170	23.7	19.8	29.8	

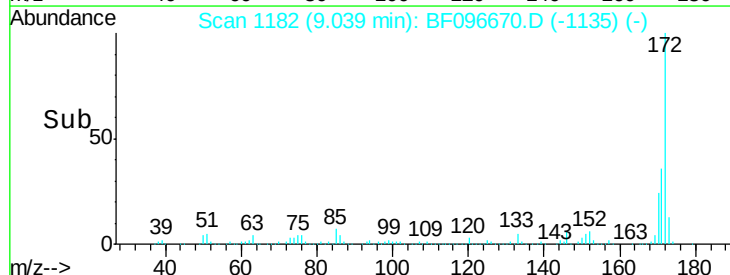
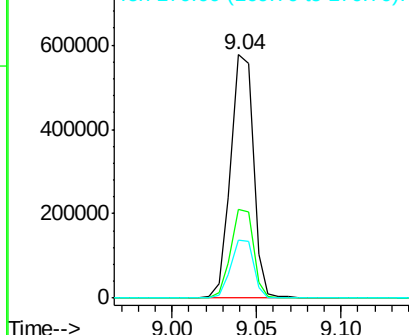


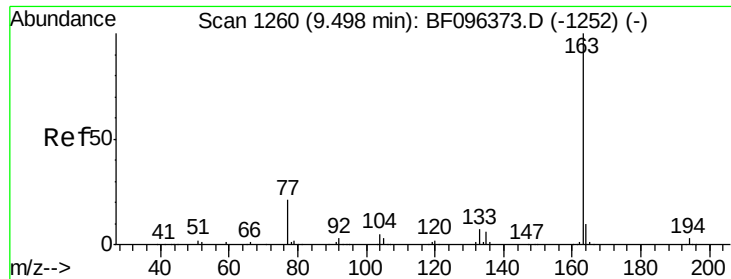
Abundance

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





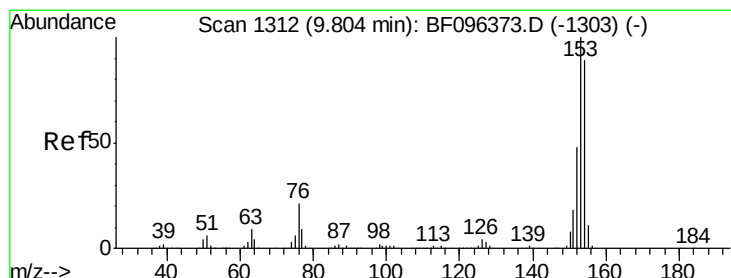
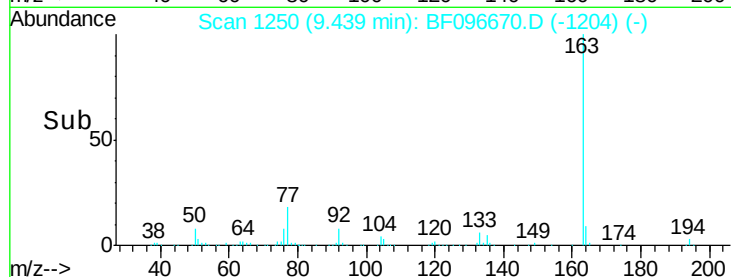
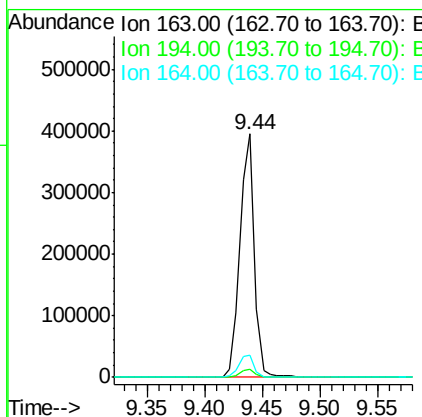
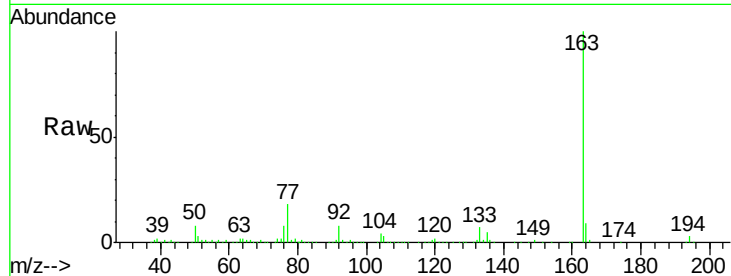
#49
Dimethylphthalate
Concen: 26.512 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.2	8.4	12.6

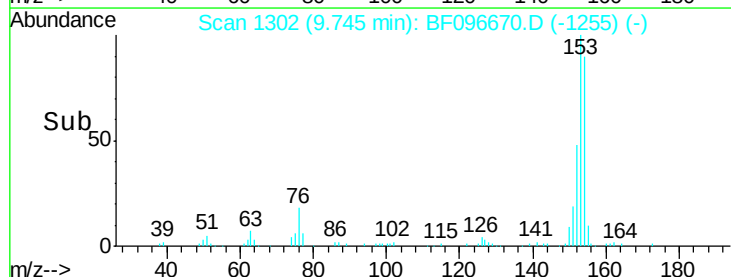
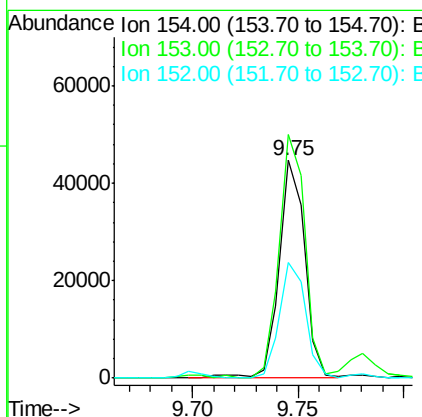
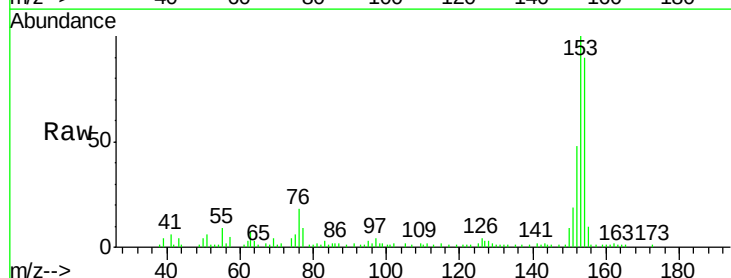
Manual Integrations
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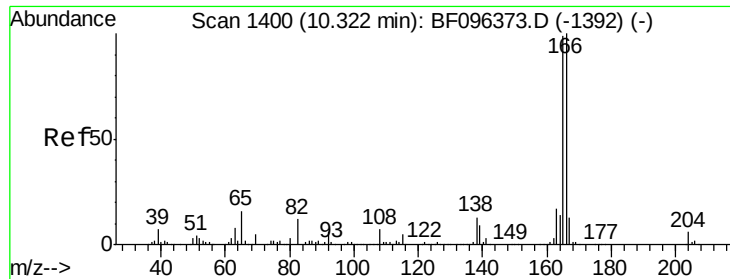
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#51
Acenaphthene
Concen: 3.506 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	111.7	90.5	135.7
152	53.1	43.6	65.4





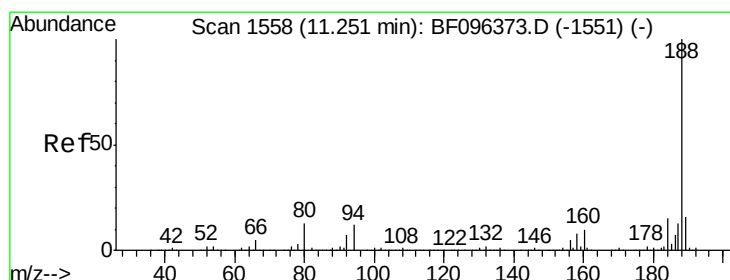
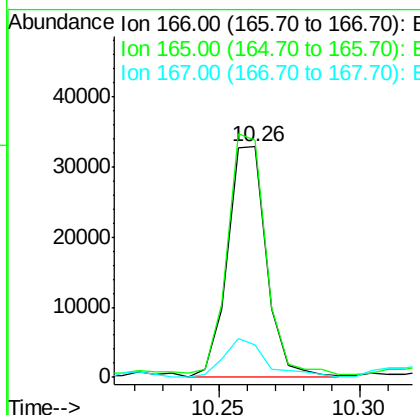
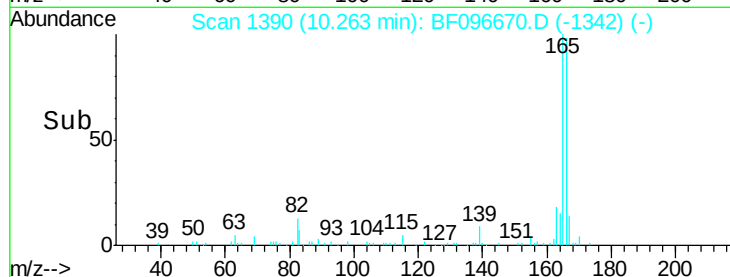
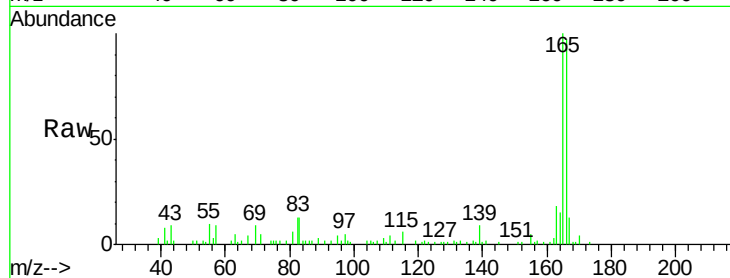
#57
 Fluorene
 Concen: 3.121 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.8	118.2
167	13.8	10.6	16.0

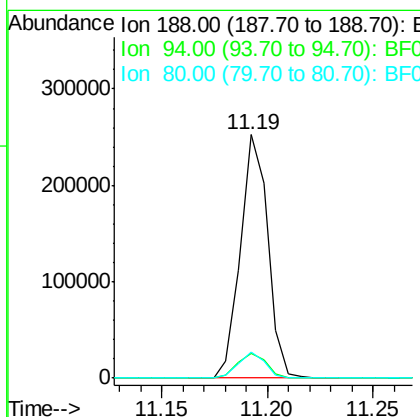
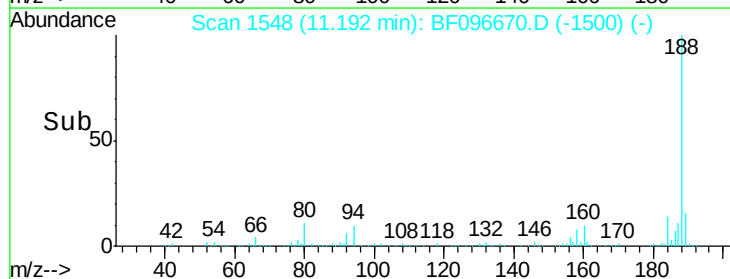
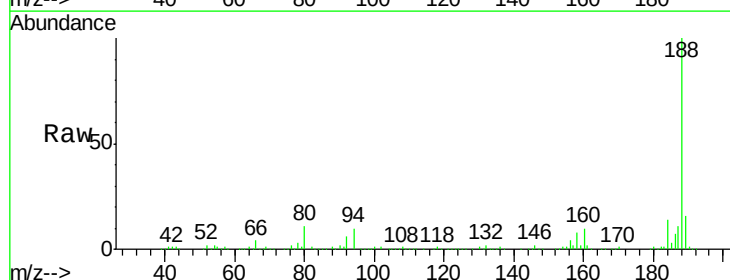
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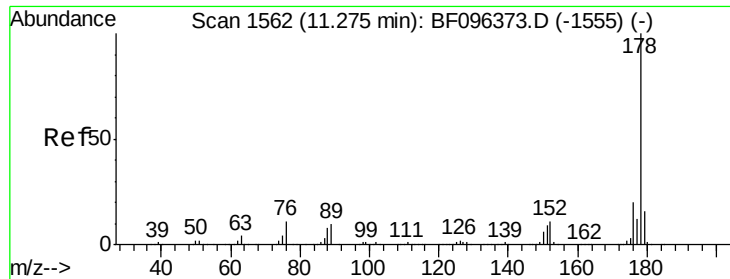
mohammad
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.9	10.2	15.2





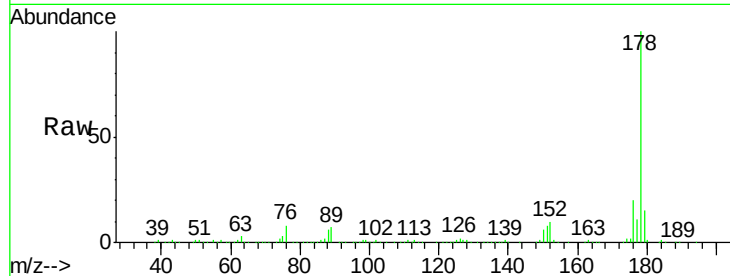
#70
 Phenanthrene
 Concen: 28.916 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

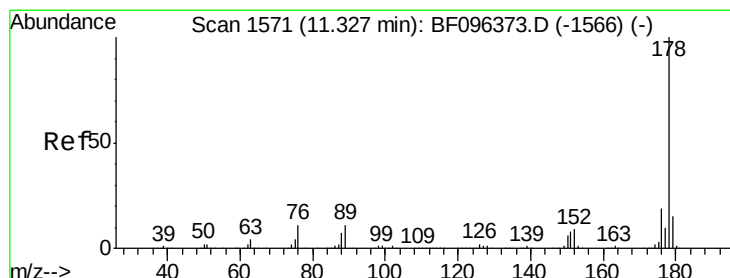
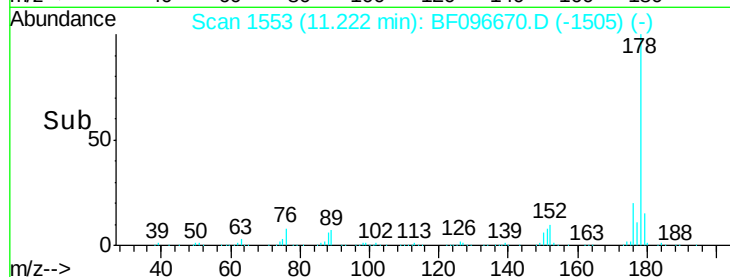
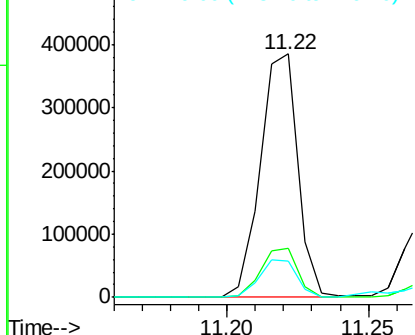
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.1	12.6	19.0

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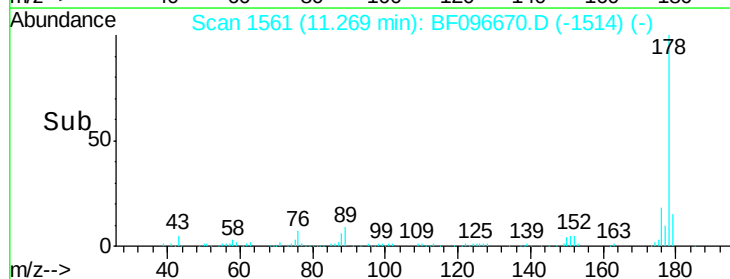
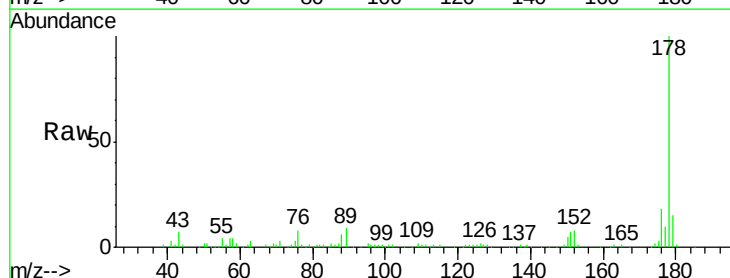
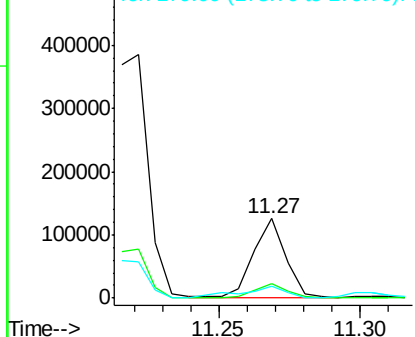
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

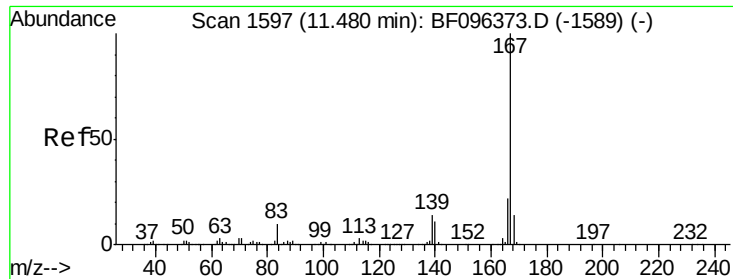


#71
 Anthracene
 Concen: 7.910 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	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





#72

Carbazole

Concen: 3.812 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

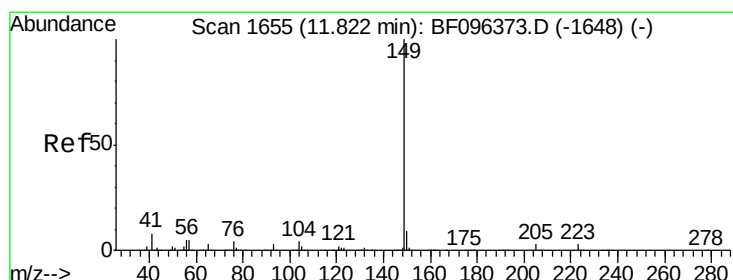
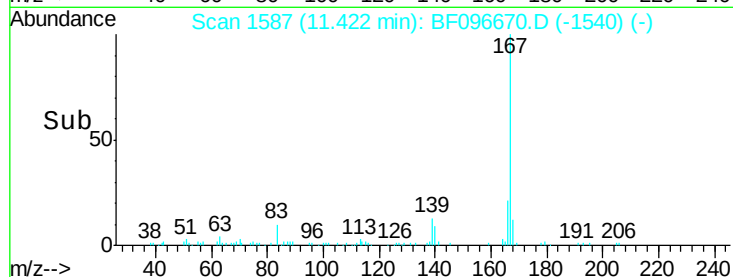
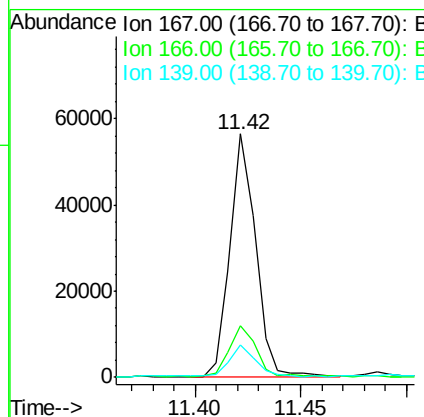
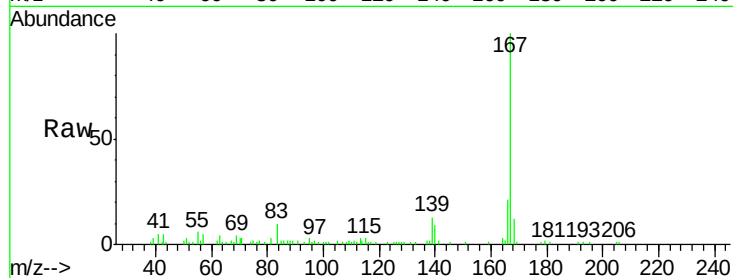
ClientSampleId :

E2-HS1-SSW

Tgt Ion:	167	Resp:	47896
Ion Ratio	Lower	Upper	
167	100		
166	21.2	18.1	27.1
139	13.3	11.7	17.5

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#73

Di-n-butylphthalate

Concen: 5.800 ng

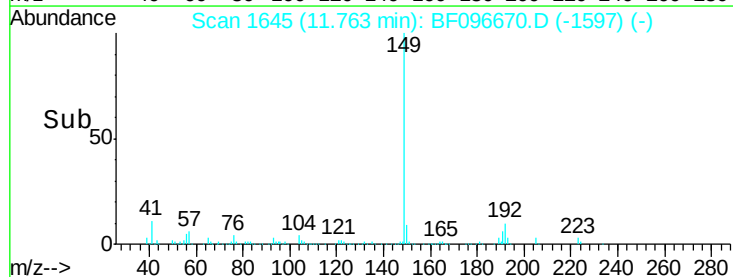
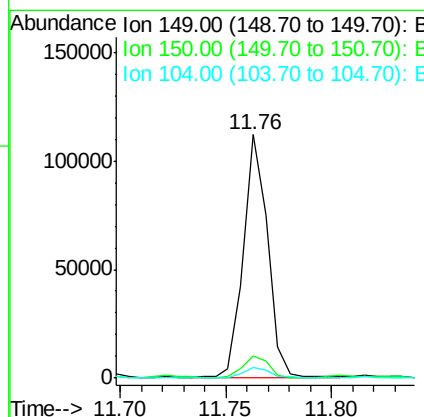
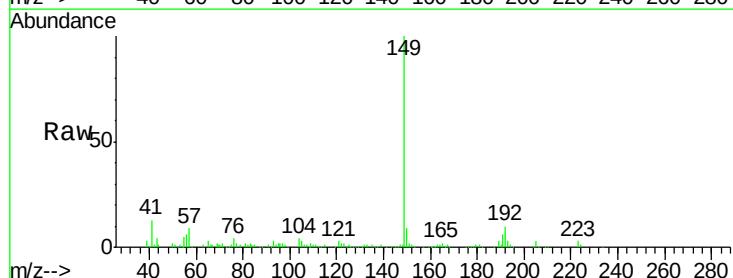
RT: 11.76 min Scan# 1645

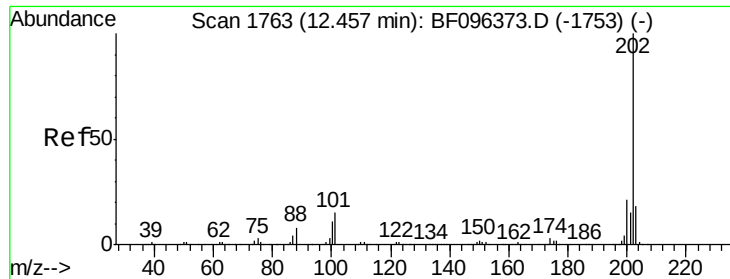
Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	149	Resp:	88273
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	4.2	4.0	6.0





#74

Fluoranthene

Concen: 47.897 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

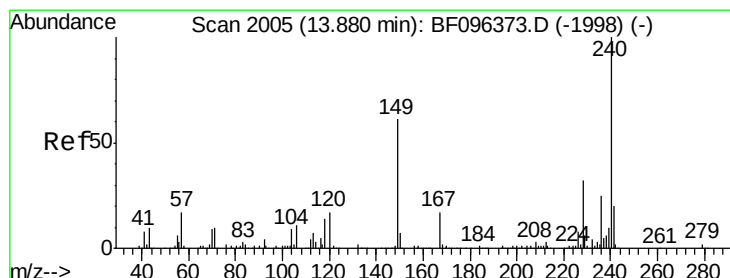
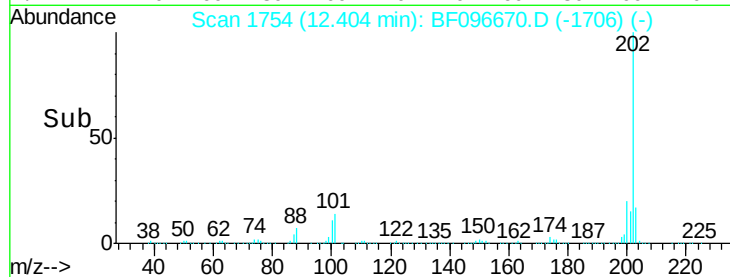
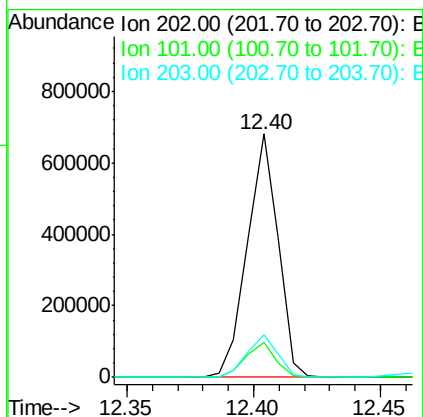
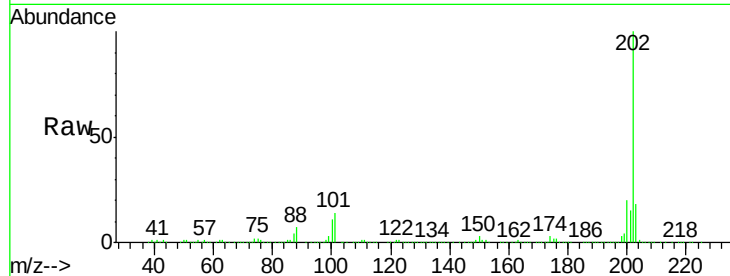
ClientSampleId :

E2-HS1-SSW

Tgt Ion:	202	Resp:	575796
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

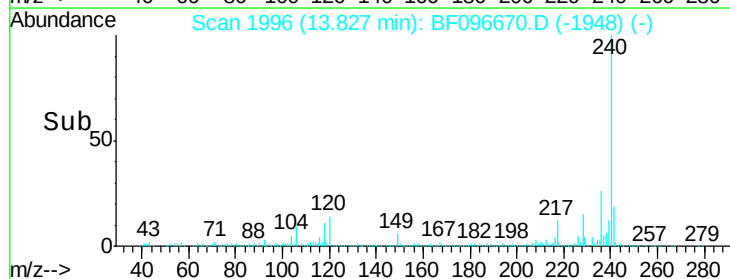
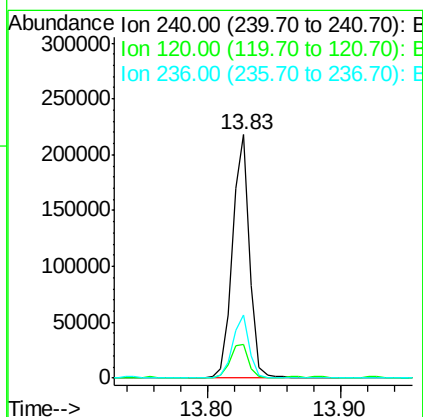
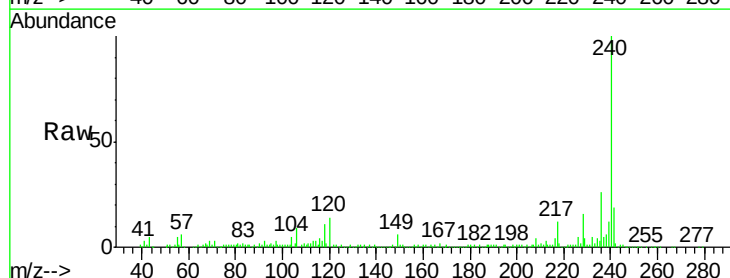
RT: 13.83 min Scan# 1996

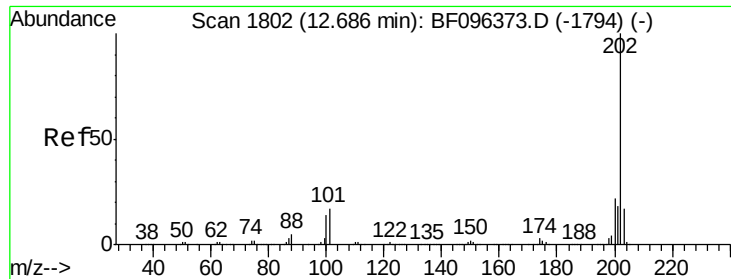
Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	240	Resp:	195936
Ion Ratio	Lower	Upper	
240	100		
120	13.8	5.8	8.8#
236	26.1	20.5	30.7





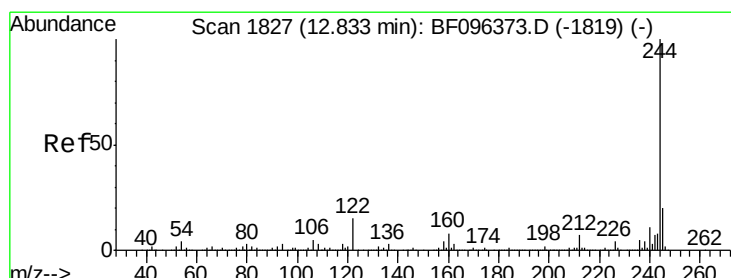
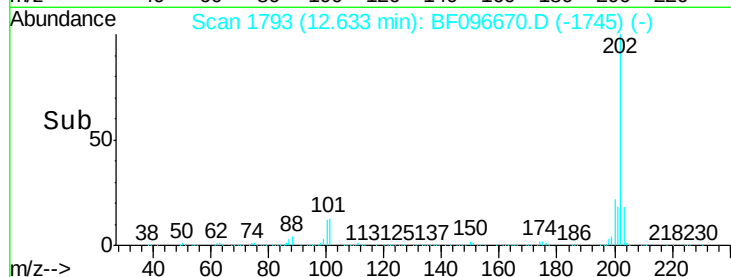
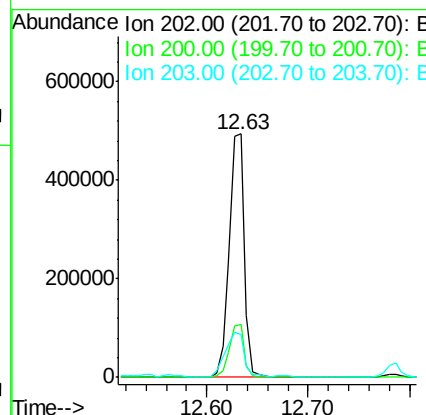
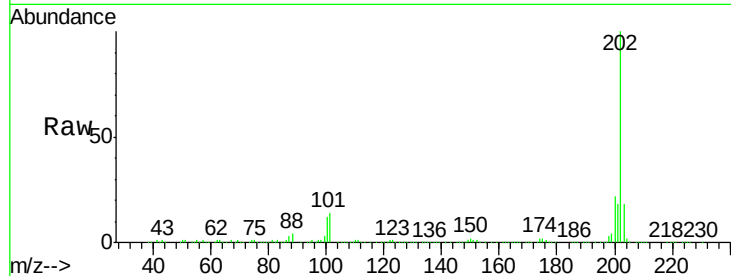
#77
 Pyrene
 Concen: 32.305 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.7	17.6	26.4	
203	17.7	14.4	21.6	

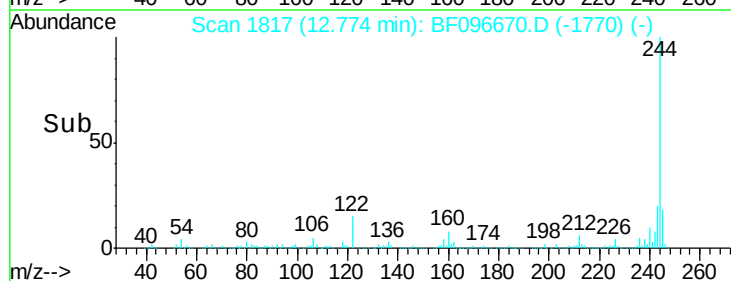
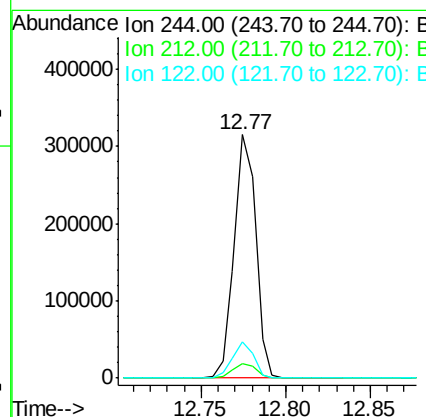
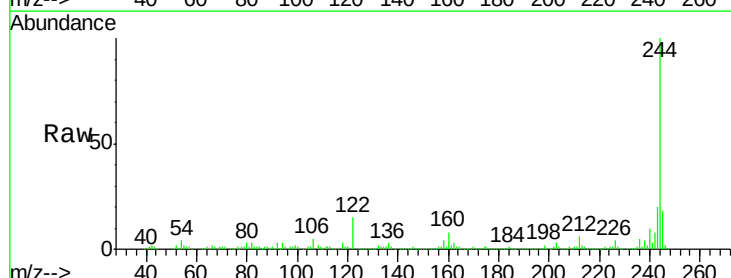
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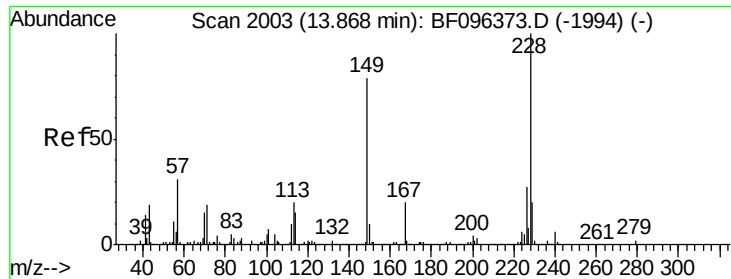
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#78
 Terphenyl-d14
 Concen: 30.691 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.2	6.0	9.0	
122	14.9	10.3	15.5	





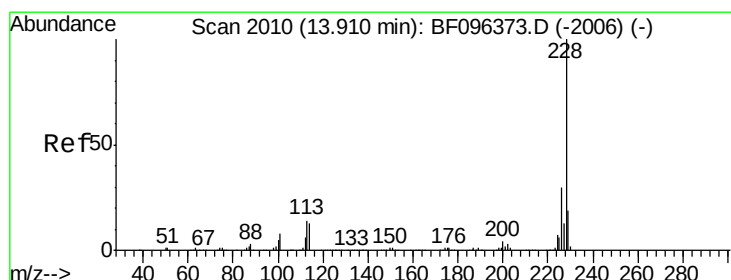
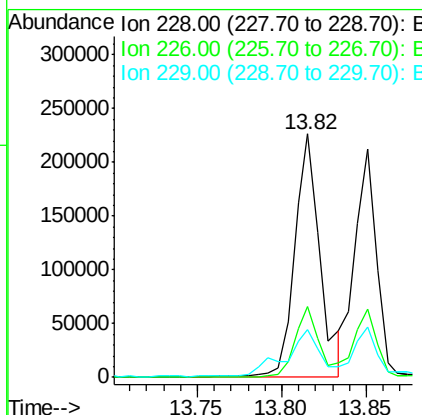
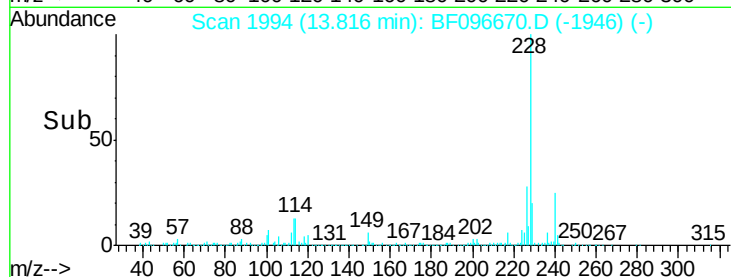
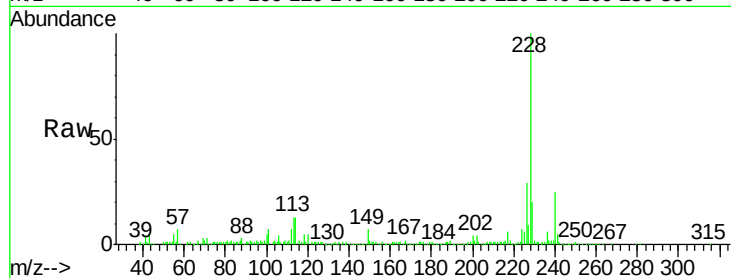
#80
Benzo(a)anthracene
Concen: 20.788 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	19.8	16.3	24.5

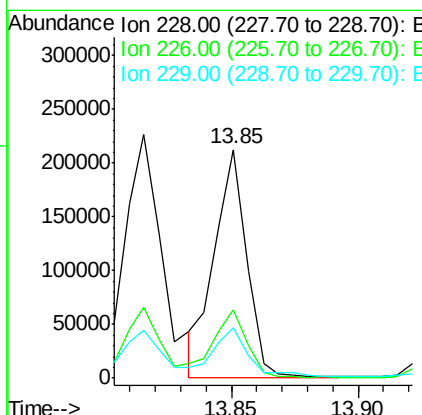
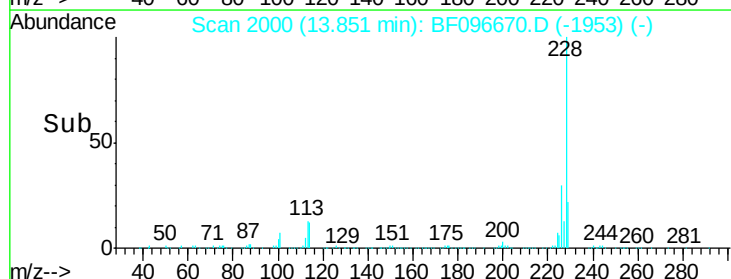
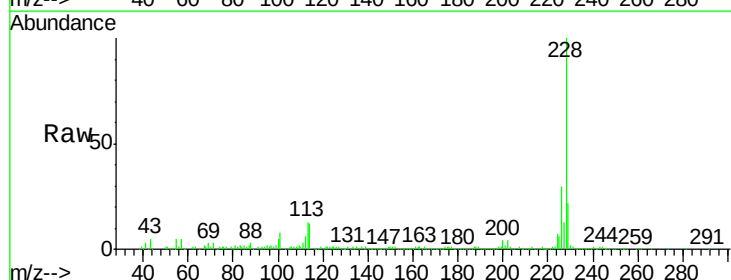
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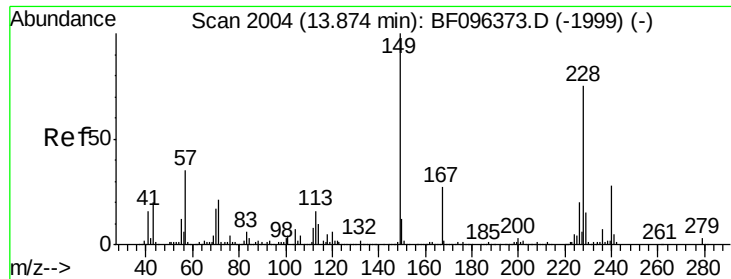
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#82
Chrysene
Concen: 15.906 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	22.2	15.8	23.6





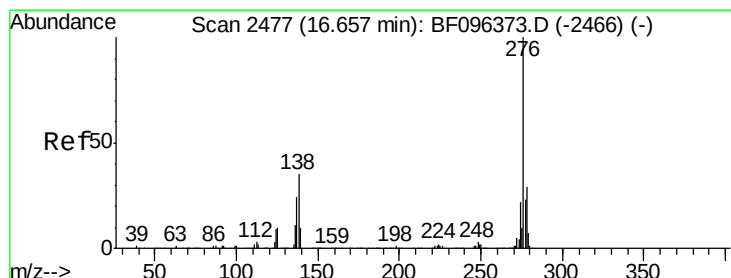
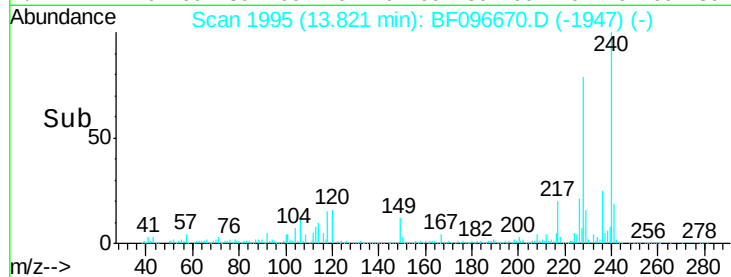
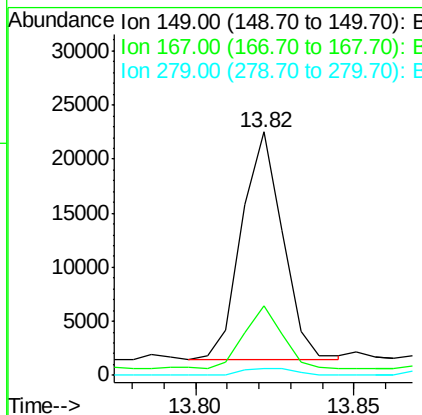
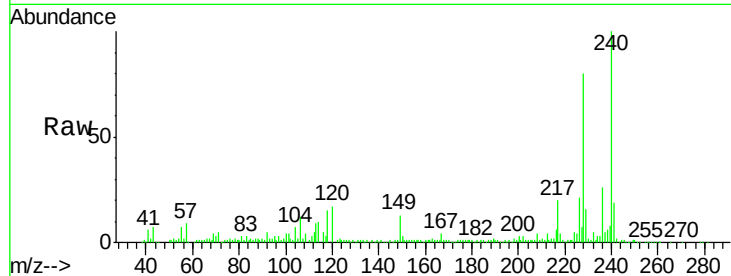
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.140 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Tgt Ion:	149	Resp:	19016
Ion Ratio	Lower	Upper	
149	100		
167	28.4	21.0	31.4
279	3.0	1.9	2.9#

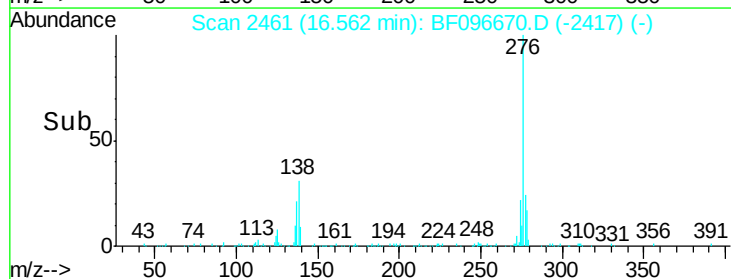
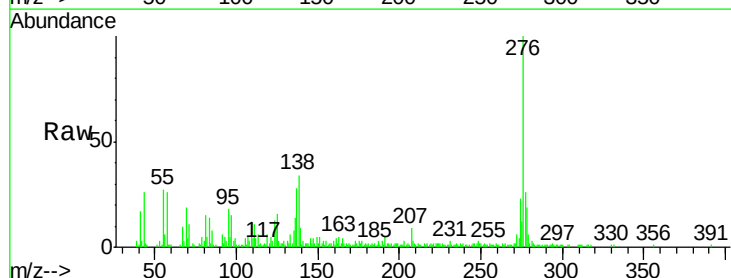
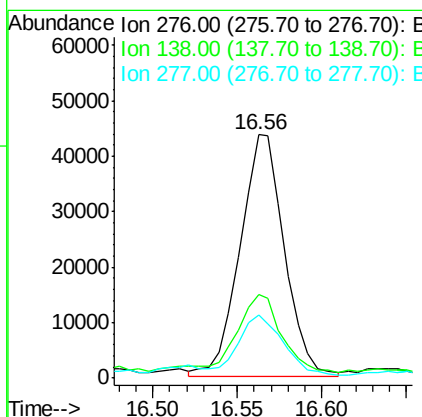
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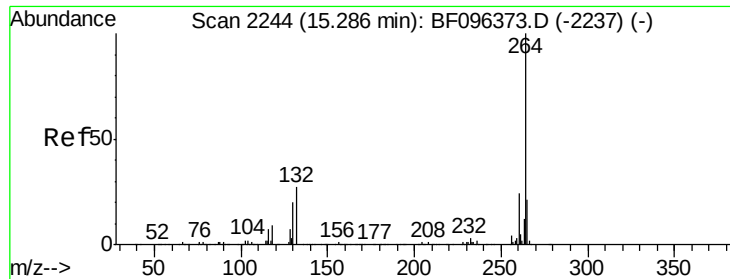
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.451 ng
 RT: 16.56 min Scan# 2461
 Delta R.T. -0.04 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion:	276	Resp:	79263
Ion Ratio	Lower	Upper	
276	100		
138	35.6	27.8	41.6
277	24.8	20.2	30.4





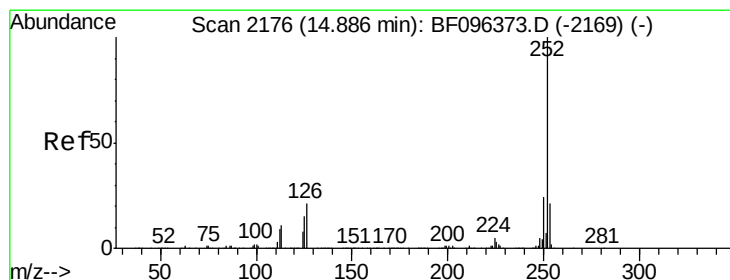
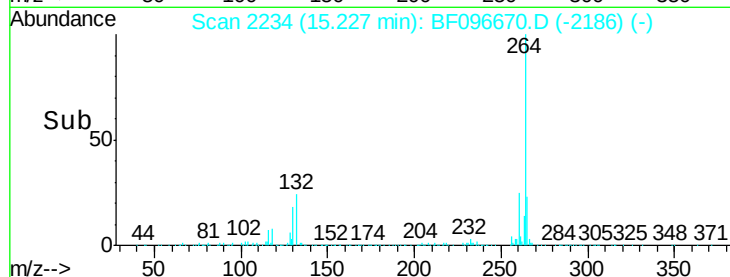
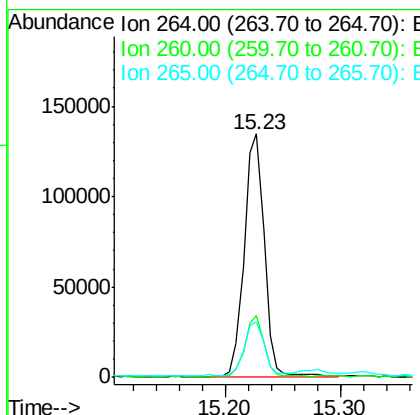
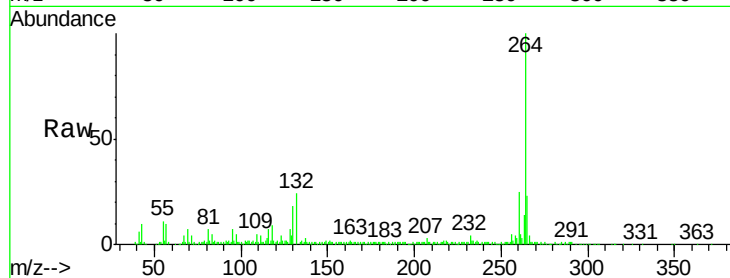
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	162134		
260	25.4	19.5	29.3	
265	22.9	17.2	25.8	

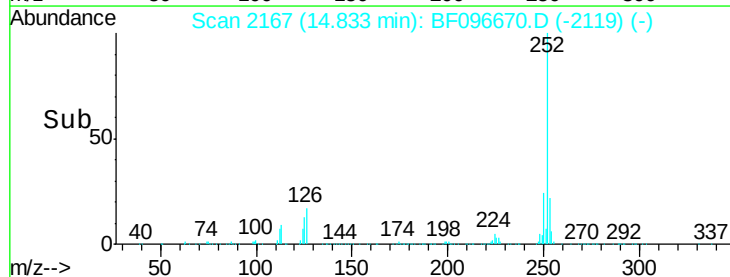
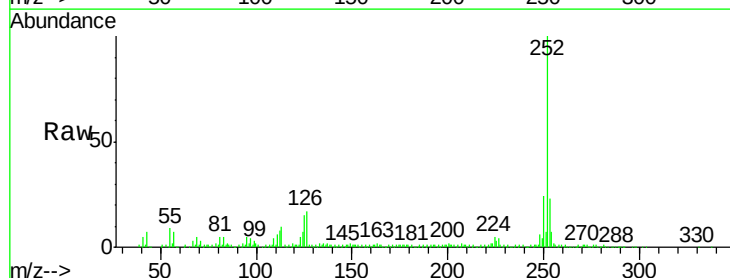
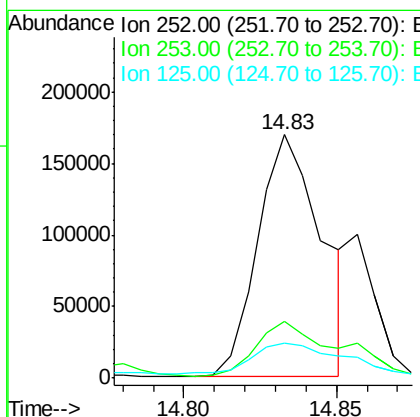
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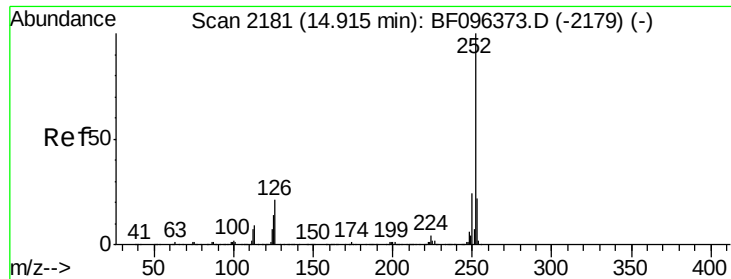
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#87
Benzo(b)fluoranthene
Concen: 24.320 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	247076		
253	23.1	18.1	27.1	
125	14.6	9.8	14.8	





#88

Benzo(k)fluoranthene

Concen: 6.923 ng m

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

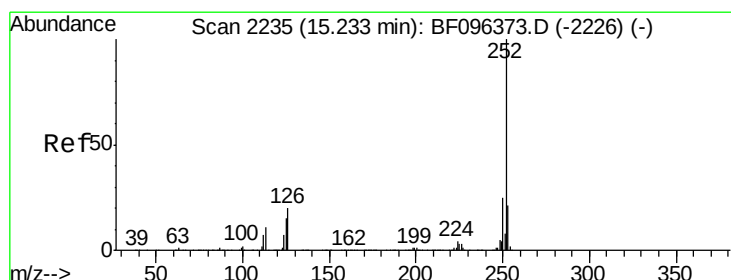
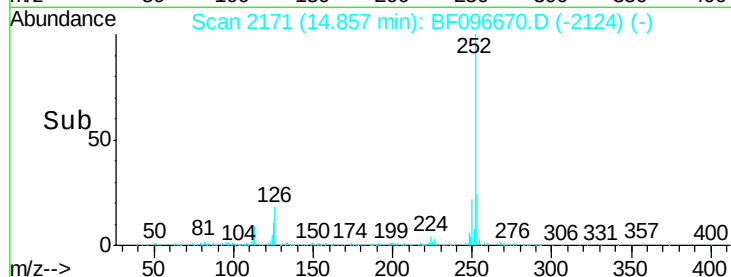
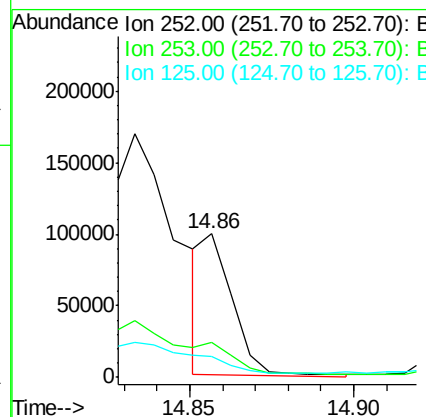
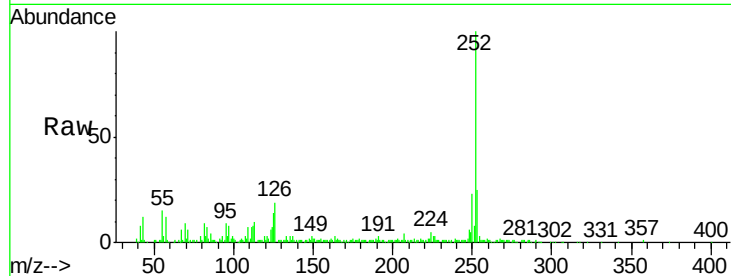
ClientSampleId :

E2-HS1-SSW

Tgt Ion:	252	Resp:	62913
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.4	27.6
125	14.2	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 17.919 ng

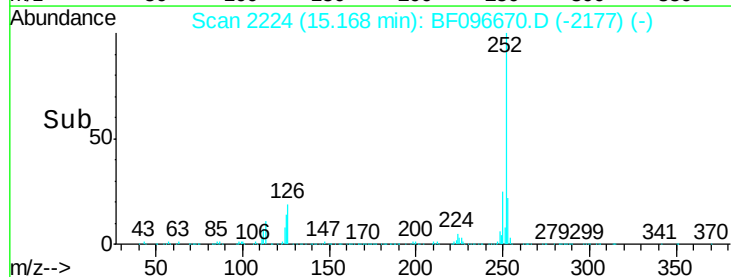
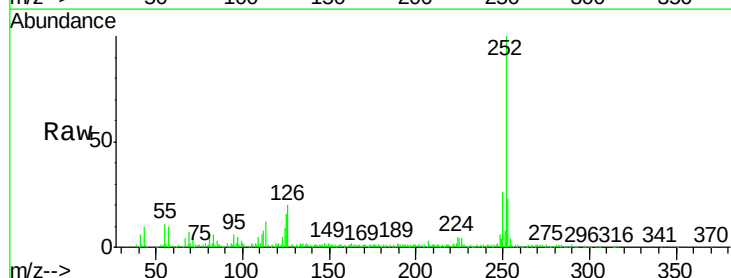
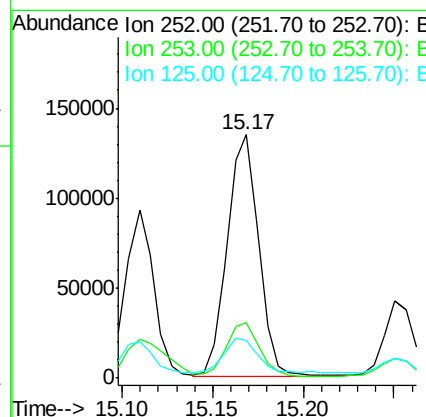
RT: 15.17 min Scan# 2224

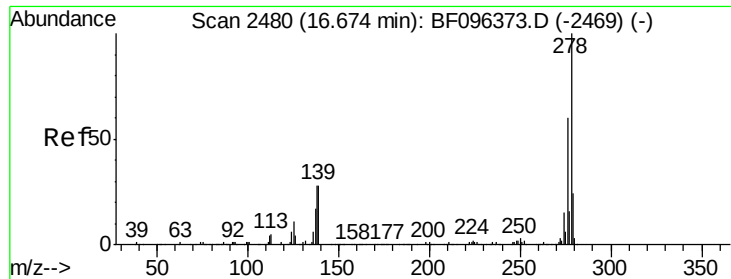
Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	252	Resp:	162531
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	15.5	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.082 ng

RT: 16.57 min Scan# 2462

Delta R.T. -0.05 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

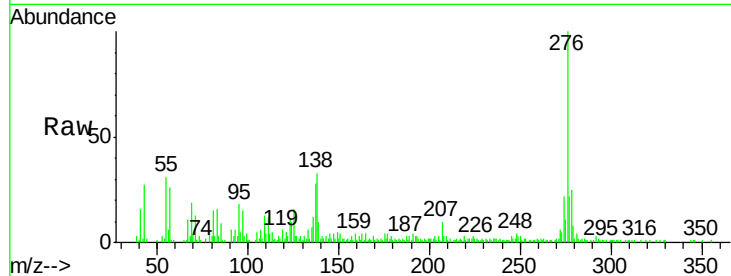
ClientSampleId :

E2-HS1-SSW

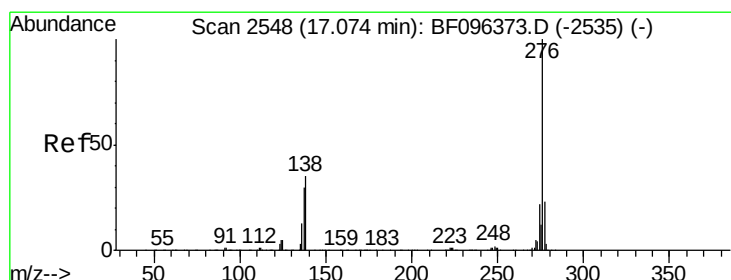
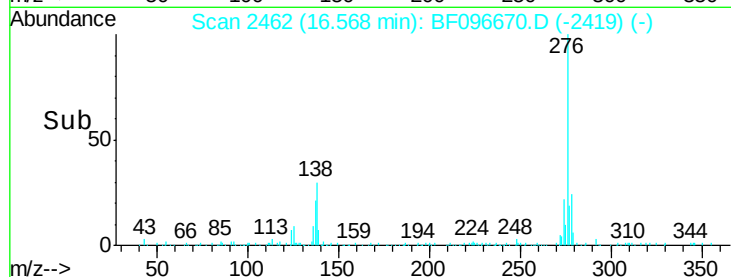
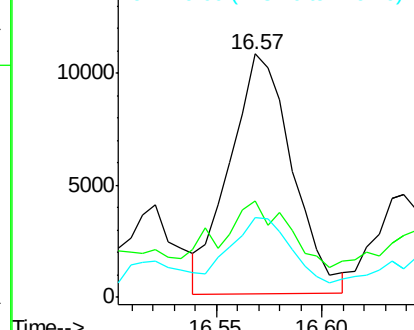
Tgt Ion:	278	Resp:	21994
Ion Ratio	Lower	Upper	
278	100		
139	39.6	16.6	24.8#
279	32.7	19.3	28.9#

Manual Integrations
APPROVED

mohammad
7/12/2017 4:57:55 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: 8.828 ng

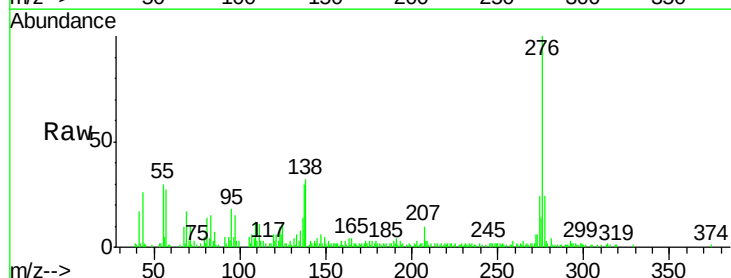
RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion:	276	Resp:	65275
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	32.1	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

