

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096676.D
 Acq On : 12 Jul 2017 7:00
 Operator : SJ/JU
 Sample : I4130-12
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-SSW

Manual Integrations
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Quant Time: Jul 12 08:39:23 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	102213	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	446457	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	151471	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	218298	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	165986	20.00	ng	0.00
86) Perylene-d12	15.26	264	106366	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	628512	90.76	ng	-0.01
7) Phenol-d6	6.33	99	763864	89.72	ng	-0.02
23) Nitrobenzene-d5	7.25	82	446235	60.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	121362	102.57	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	730944	82.51	ng	-0.02
78) Terphenyl-d14	12.79	244	442070	56.91	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.23	77	28797	5.405	ng	99
10) Phenol	6.34	94	19956	2.058	ng	98
49) Dimethylphthalate	9.44	163	465284	41.149	ng	100
51) Acenaphthene	9.75	154	25105	2.658	ng	97
57) Fluorene	10.26	166	26383	2.995	ng	99
70) Phenanthrene	11.22	178	494088	41.869	ng	99
71) Anthracene	11.27	178	108414	9.015	ng	98
72) Carbazole	11.43	167	57069	4.719	ng	97
74) Fluoranthene	12.42	202	665997	57.563	ng	97
77) Pyrene	12.64	202	684649	51.388	ng	98
80) Benzo(a)anthracene	13.83	228	287935	29.956	ng	99
82) Chrysene	13.87	228	304442	30.245	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	105598	13.290	ng	97
87) Benzo(b)fluoranthene	14.86	252	212505m	31.884	ng	
88) Benzo(k)fluoranthene	14.88	252	71639m	12.016	ng	
89) Benzo(a)pyrene	15.20	252	154662	25.992	ng	# 88
90) Dibenzo(a,h)anthracene	16.61	278	28253	6.035	ng	# 67
91) Benzo(g,h,i)perylene	17.01	276	99169	20.444	ng	94

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

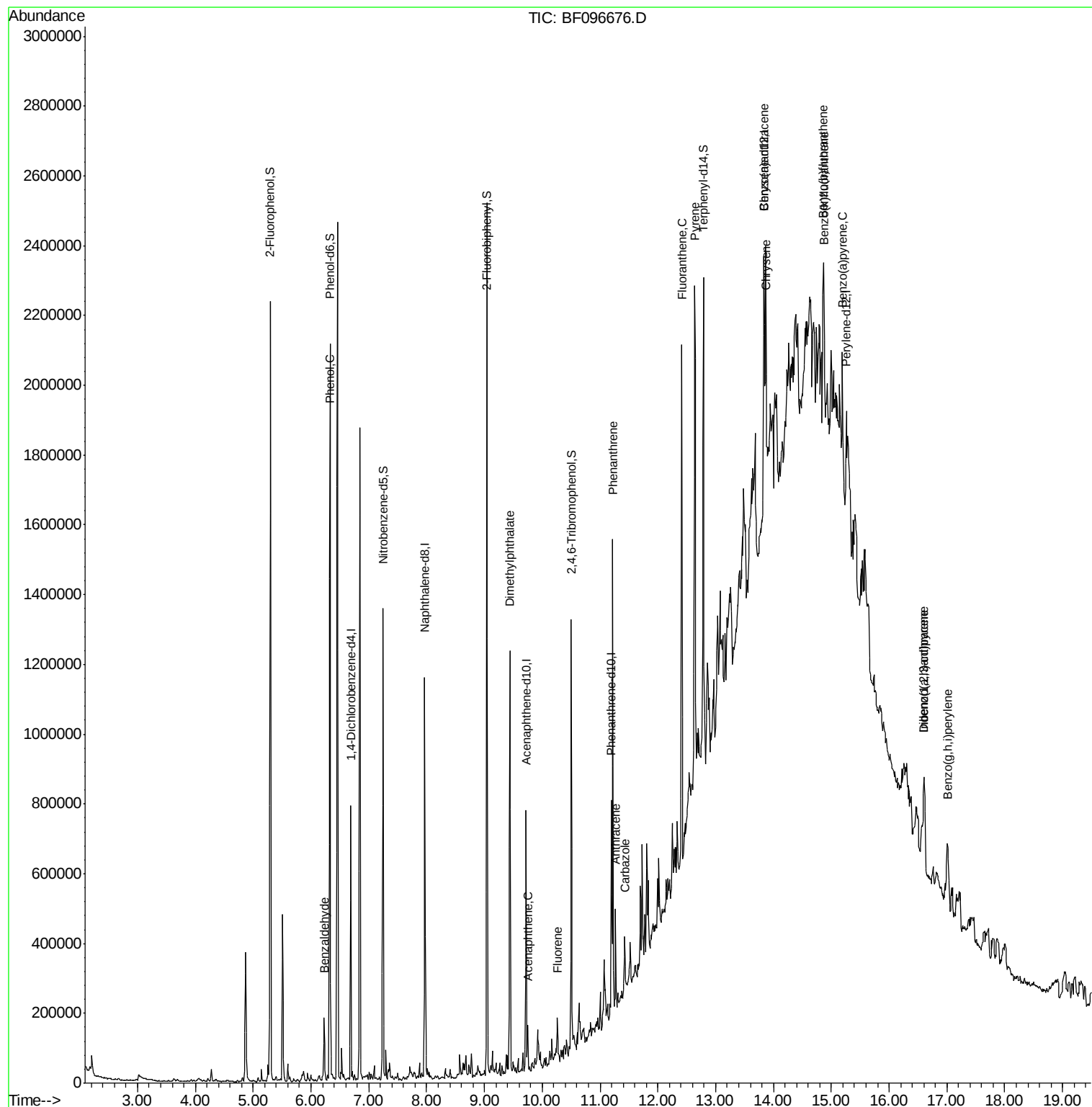
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096676.D
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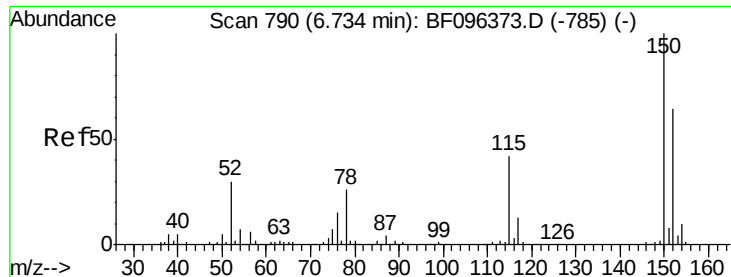
Instrument :
BNA_F
Client Sampled :
E2-HS2-SSW

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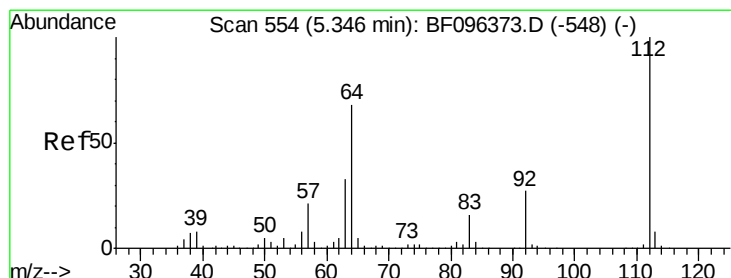
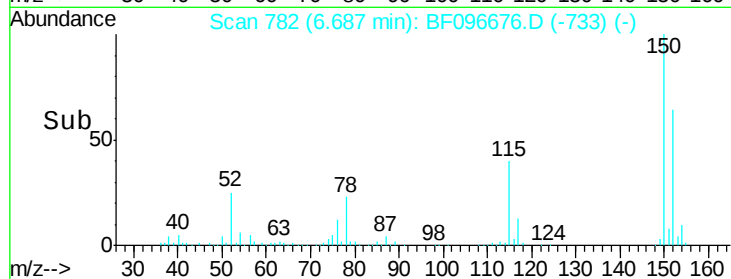
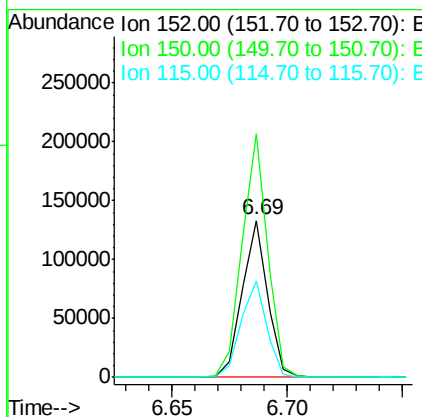
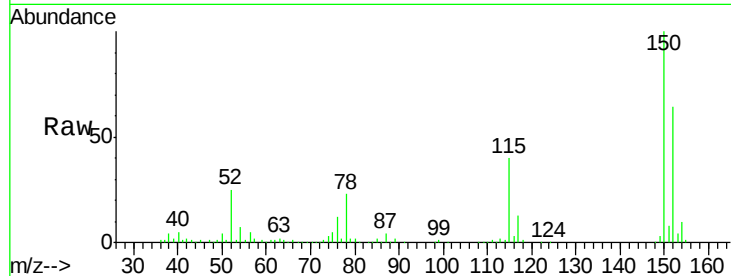
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096676.D
 Acq: 12 Jul 2017 7:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-SSW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	61.6	52.2	78.2

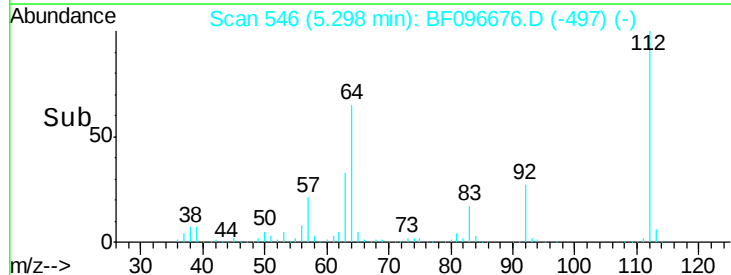
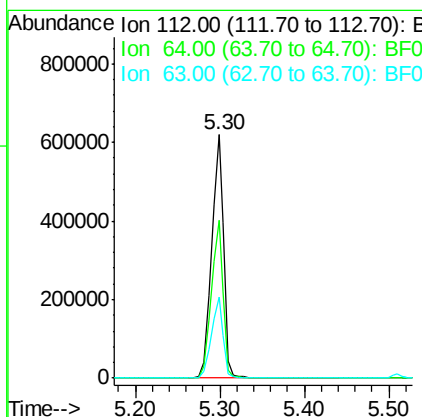
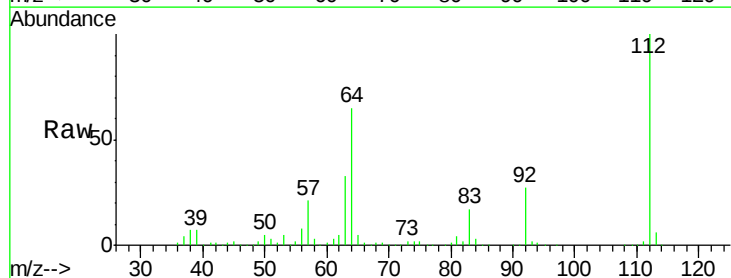
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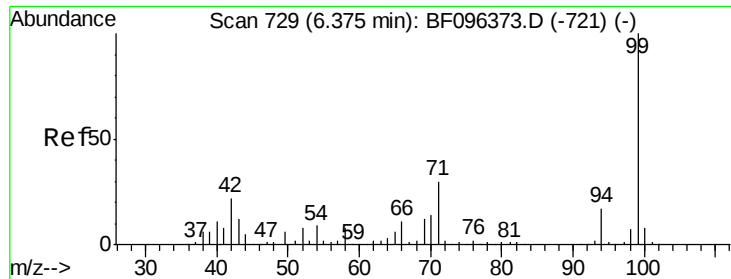
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#5
 2-Fluorophenol
 Concen: 90.758 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF096676.D
 Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	46.0	69.0
63	33.2	23.4	35.0





#7

Phenol-d6

Concen: 89.723 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

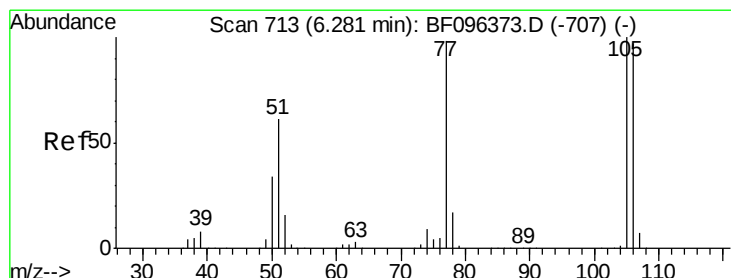
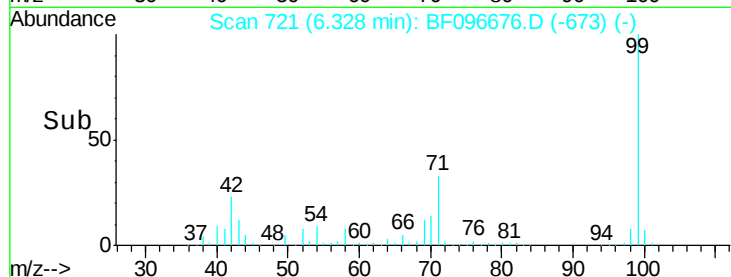
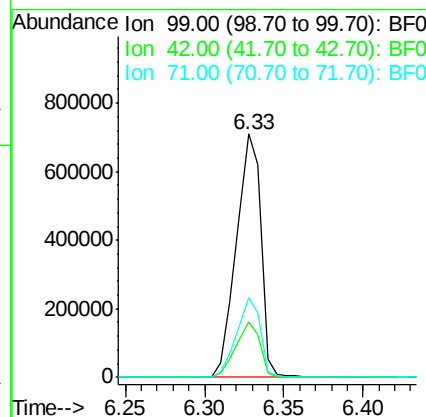
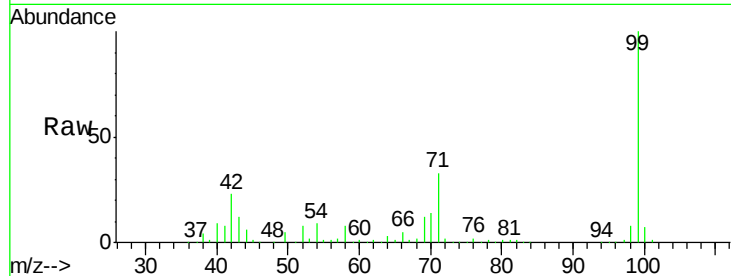
ClientSampleId :

E2-HS2-SSW

Tgt Ion:	99	Resp:	763864
Ion Ratio	Lower	Upper	
99	100		
42	22.8	13.5	20.3#
71	33.0	24.5	36.7

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#9

Benzaldehyde

Concen: 5.405 ng

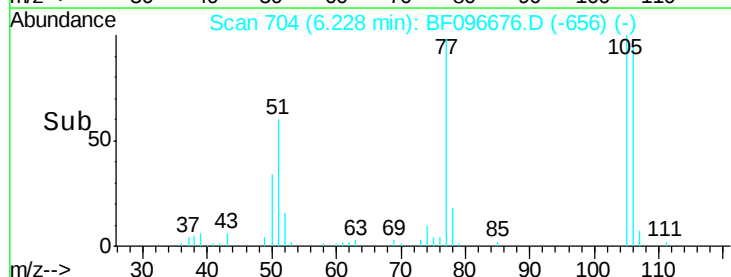
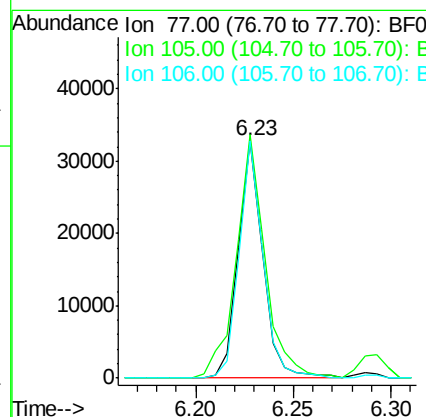
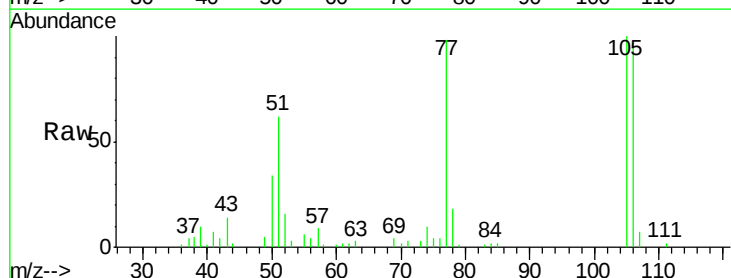
RT: 6.23 min Scan# 704

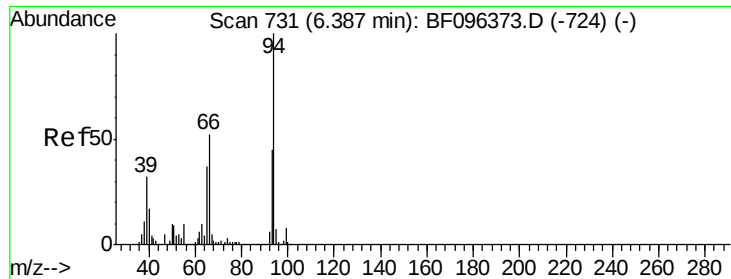
Delta R.T. -0.02 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Tgt Ion:	77	Resp:	28797
Ion Ratio	Lower	Upper	
77	100		
105	102.5	83.8	123.8
106	99.9	79.1	119.1





#10

Phenol

Concen: 2.058 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

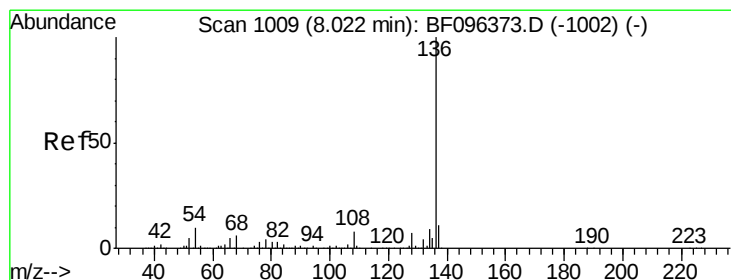
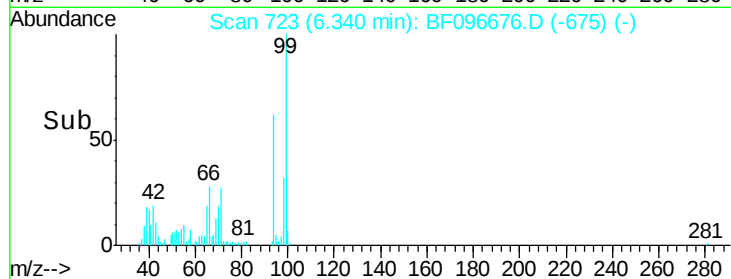
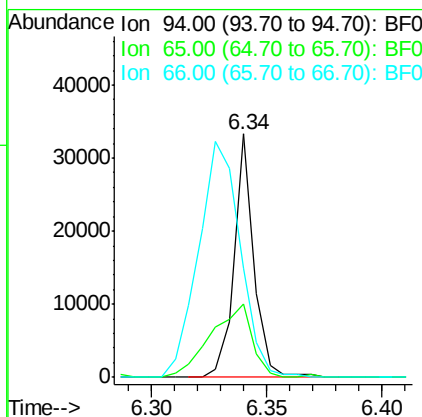
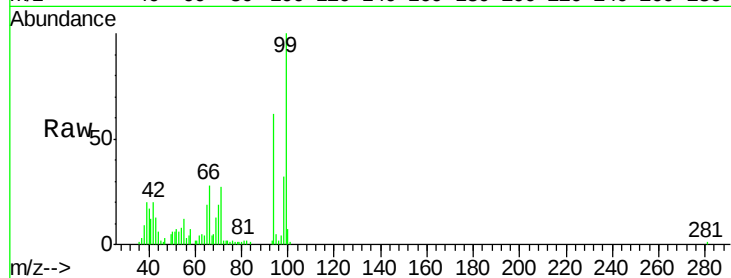
ClientSampleId :

E2-HS2-SSW

Tgt Ion:	94	Resp:	19956
Ion Ratio	Lower	Upper	
94	100		
65	30.0	9.9	49.9
66	44.8	23.1	63.1

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#21

Naphthalene-d8

Concen: 20.000 ng

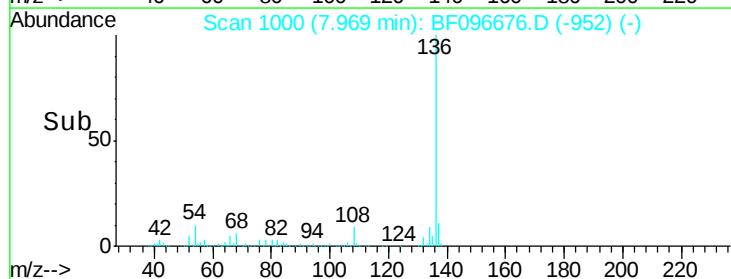
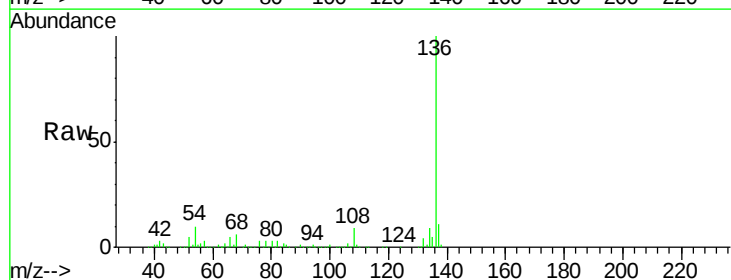
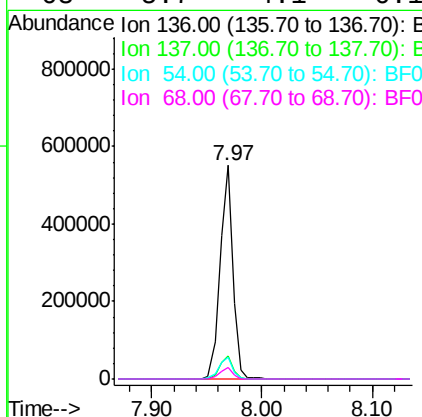
RT: 7.97 min Scan# 1000

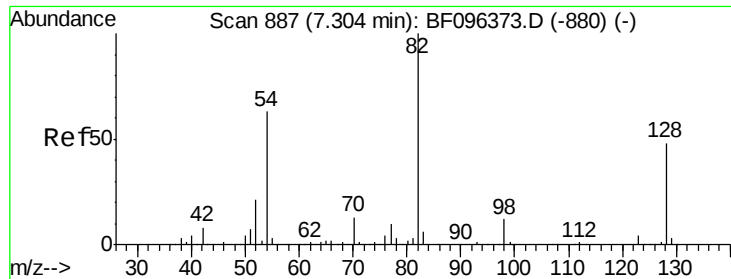
Delta R.T. -0.02 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Tgt Ion:	136	Resp:	446457
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	10.3	4.9	7.3#
68	5.7	4.1	6.1





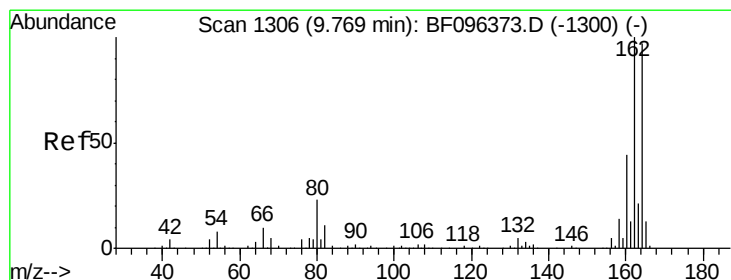
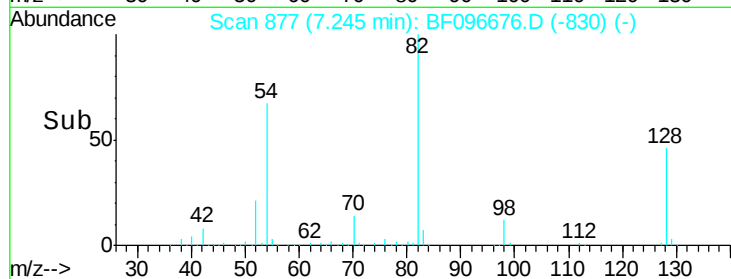
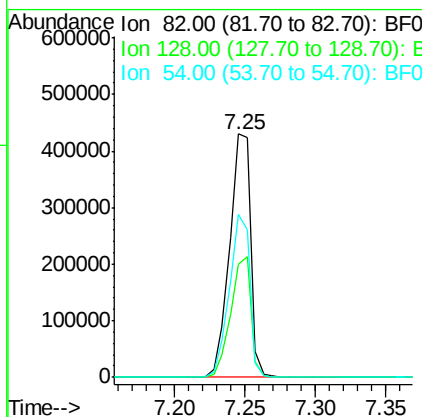
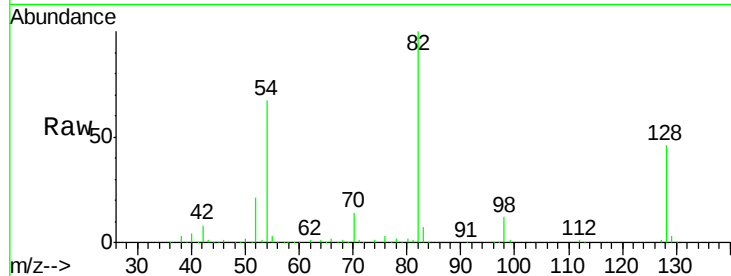
#23
 Nitrobenzene-d5
 Concen: 60.061 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF096676.D
 Acq: 12 Jul 2017 7:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	446235		
128	46.3	34.0	51.0	
54	67.0	42.2	63.2	

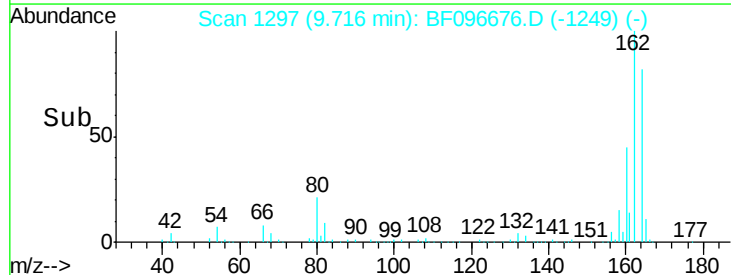
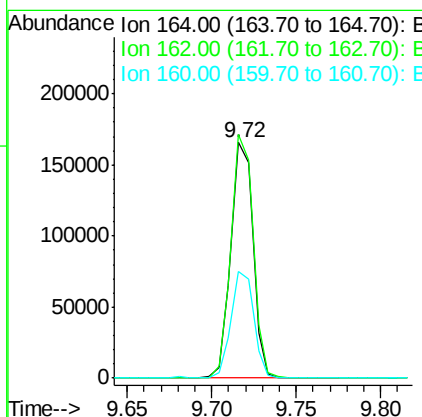
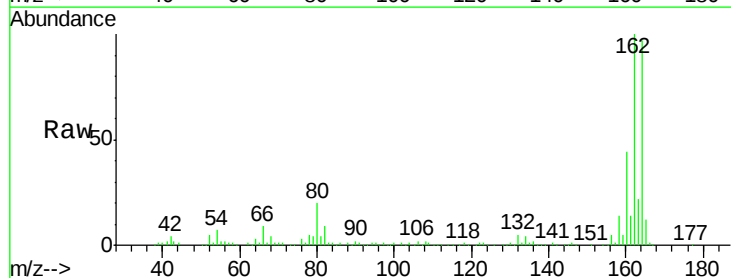
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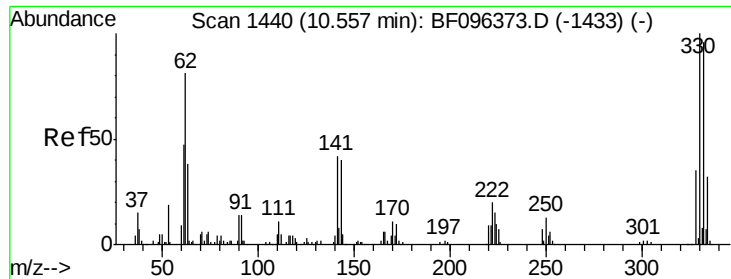
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096676.D
 Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	151471		
162	103.2	82.6	123.8	
160	45.4	36.2	54.2	





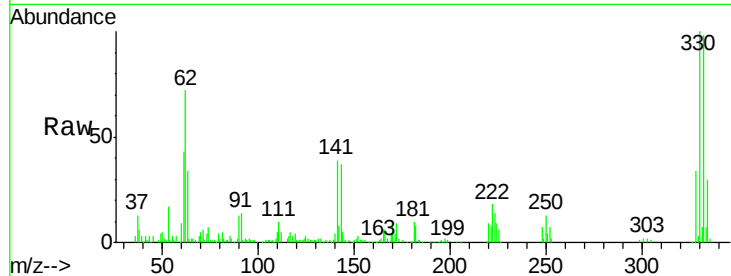
#41
 2,4,6-Tribromophenol
 Concen: 102.573 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096676.D
 Acq: 12 Jul 2017 7:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-SSW

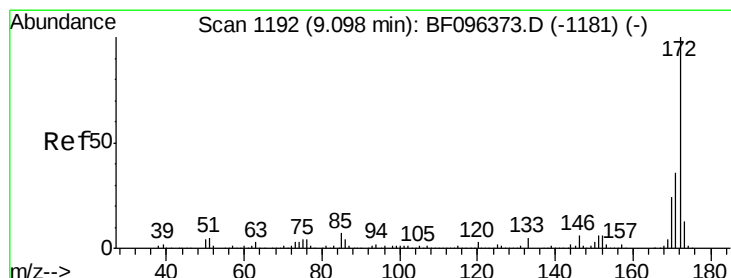
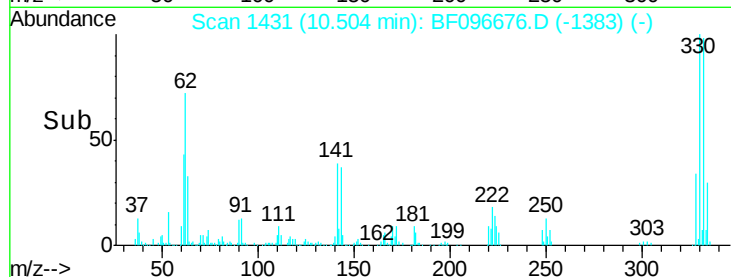
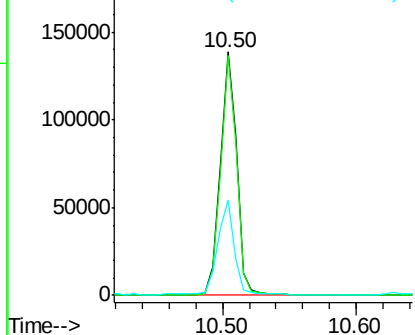
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	121362		
332	96.2	76.6	115.0	
141	39.2	31.4	47.2	

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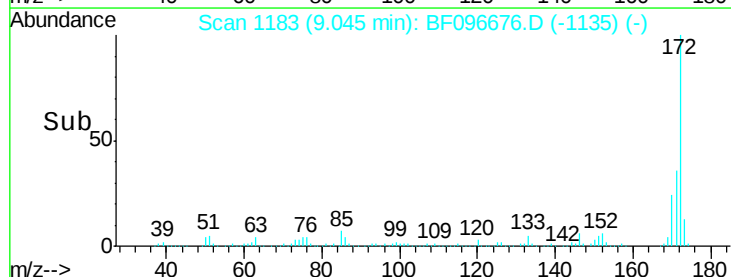
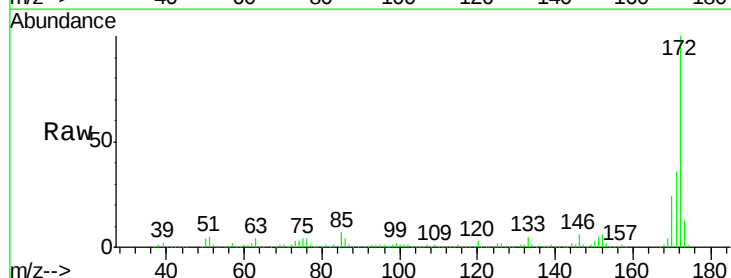
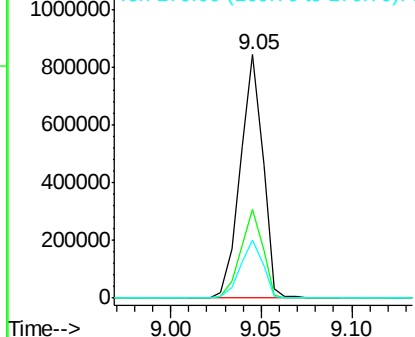
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

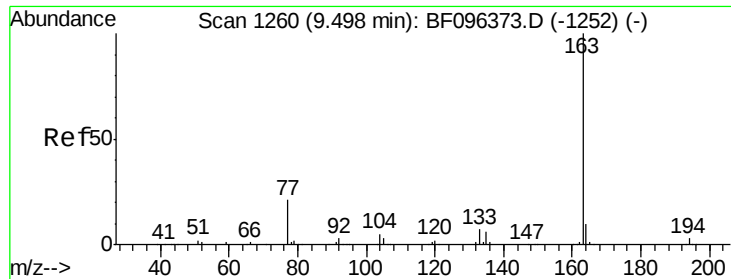


#44
 2-Fluorobiphenyl
 Concen: 82.507 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096676.D
 Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	730944		
171	36.4	29.6	44.4	
170	24.0	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





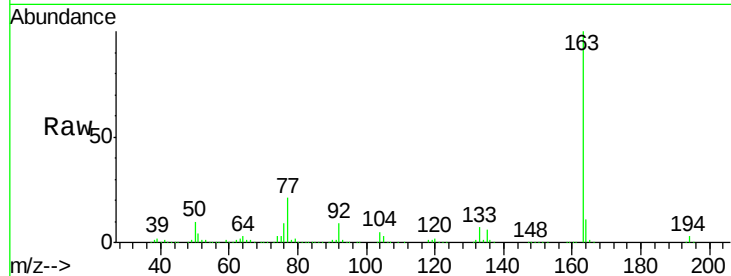
#49
Dimethylphthalate
Concen: 41.149 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-HS2-SSW

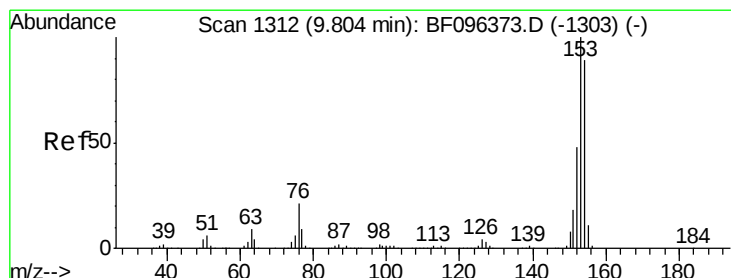
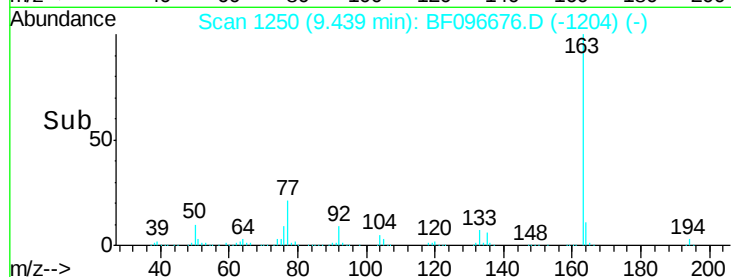
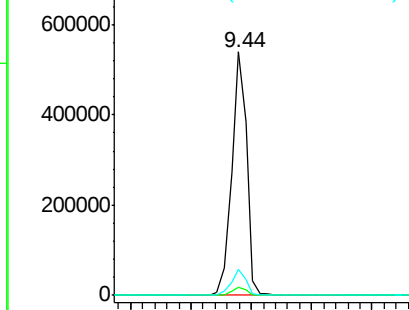
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	465284		
194	3.2	2.6	4.0	
164	10.6	8.4	12.6	

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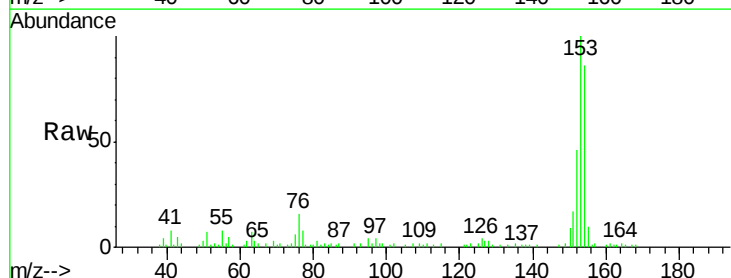


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

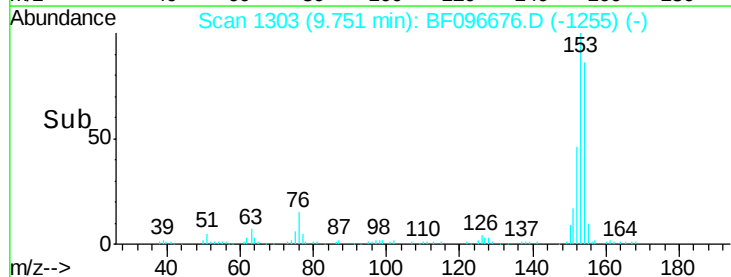
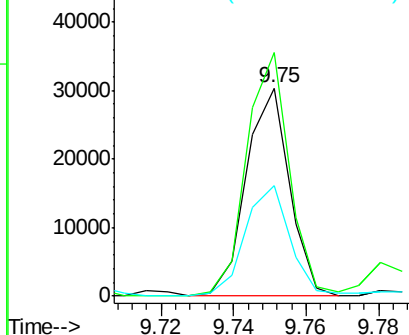


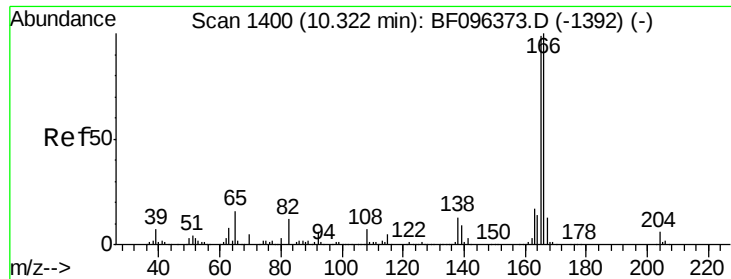
#51
Acenaphthene
Concen: 2.658 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	25105		
153	116.9	90.5	135.7	
152	53.3	43.6	65.4	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.995 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

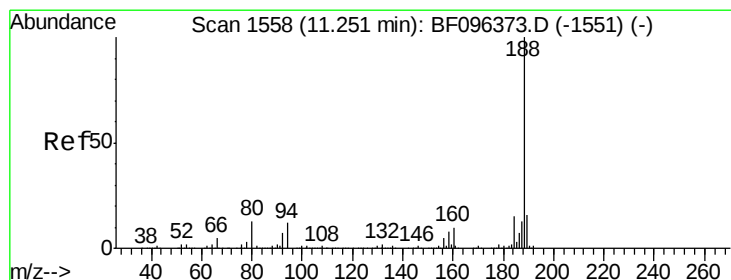
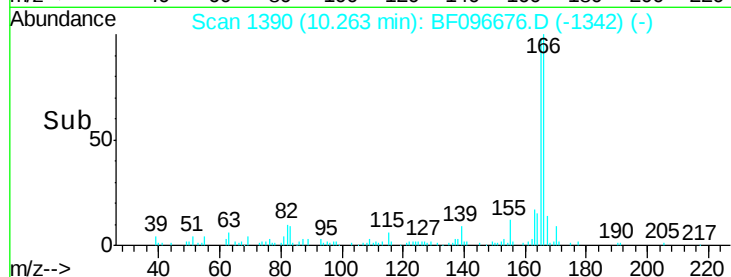
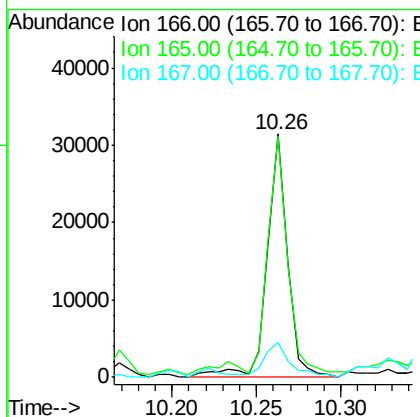
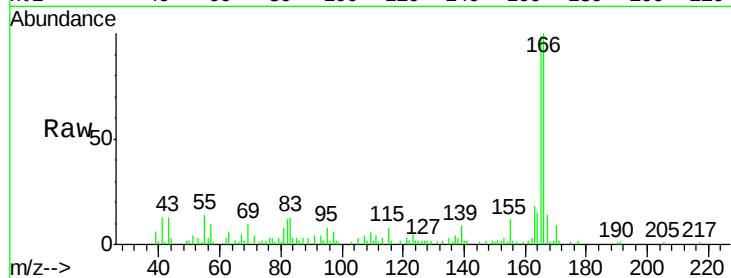
ClientSampleId :

E2-HS2-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26383		
165	99.2	78.8	118.2	
167	14.3	10.6	16.0	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

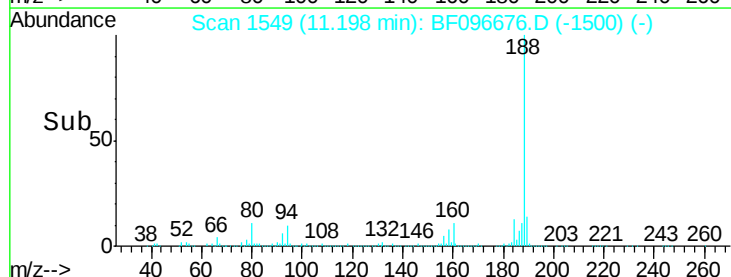
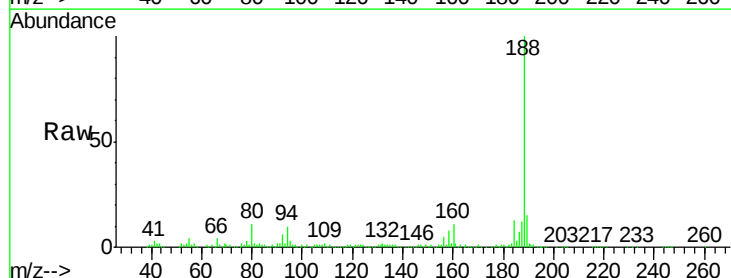
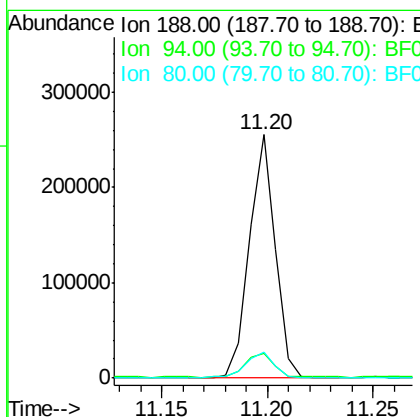
RT: 11.20 min Scan# 1549

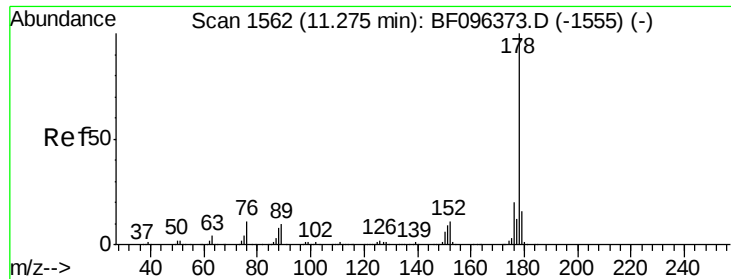
Delta R.T. -0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	218298		
94	10.1	9.4	14.2	
80	10.7	10.2	15.2	





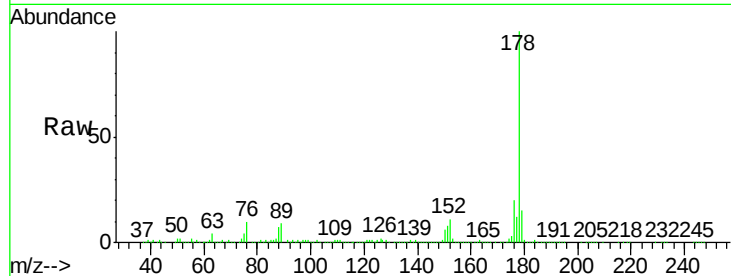
#70
Phenanthrene
Concen: 41.869 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-HS2-SSW

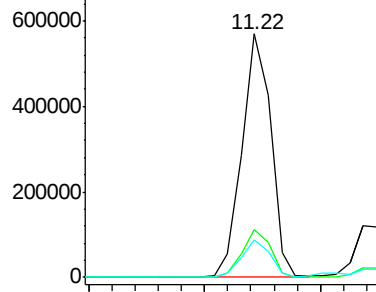
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.3	12.6	19.0

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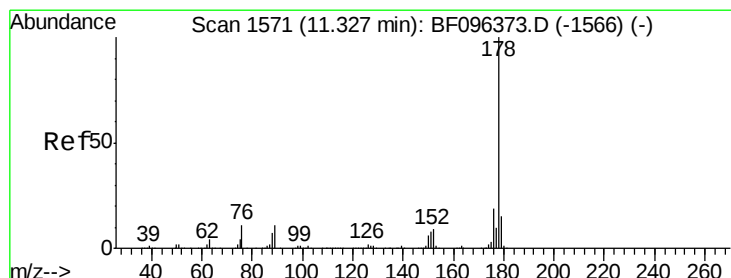
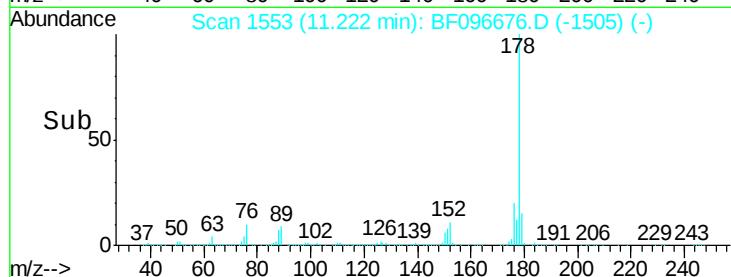
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



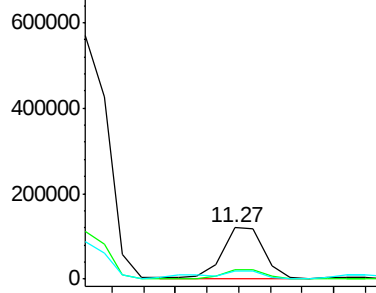
Time--> 11.15 11.20 11.25



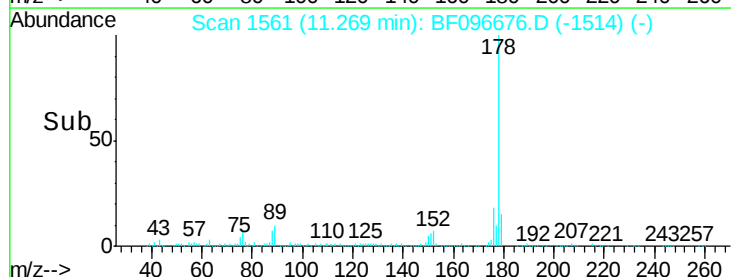
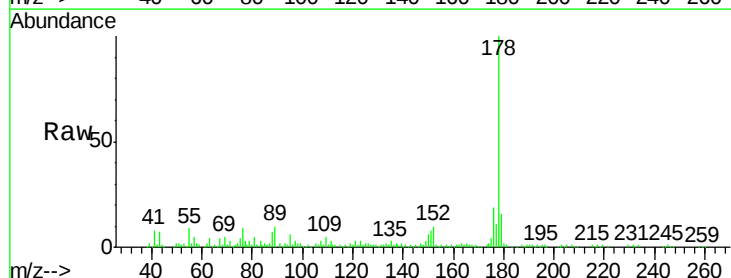
#71
Anthracene
Concen: 9.015 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

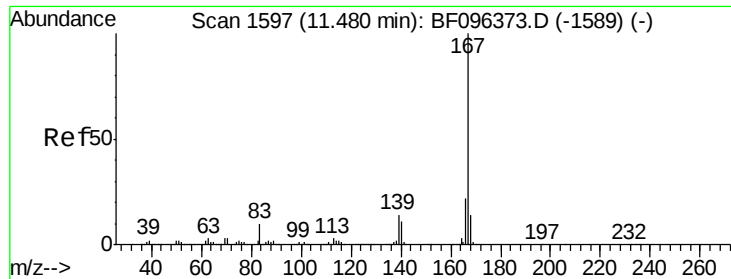
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.6	12.7	19.1

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



Time--> 11.25 11.30





#72

Carbazole

Concen: 4.719 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

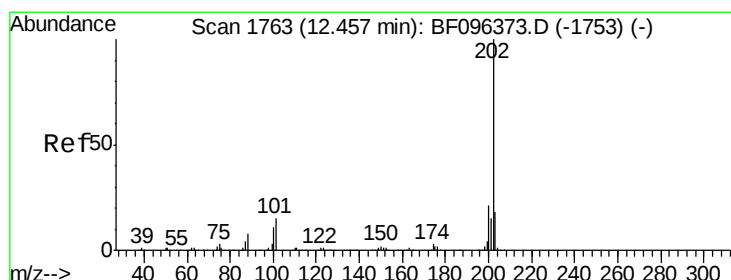
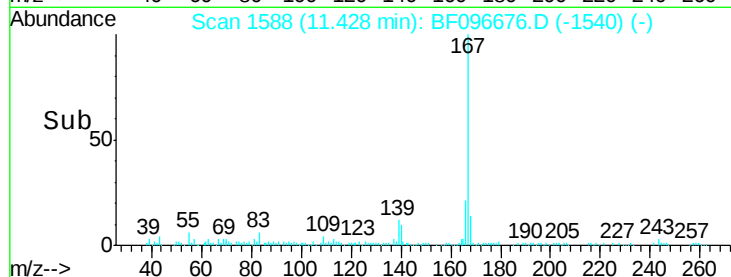
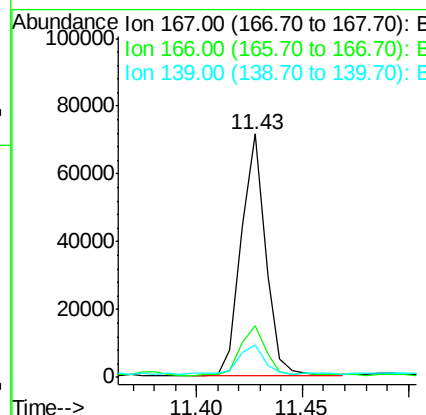
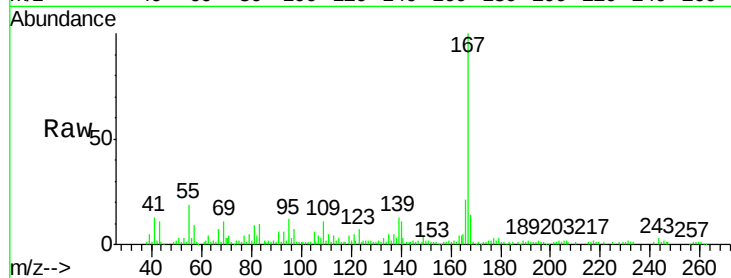
ClientSampleId :

E2-HS2-SSW

Tgt Ion:	167	Resp:	57069
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	13.1	11.7	17.5

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#74

Fluoranthene

Concen: 57.563 ng

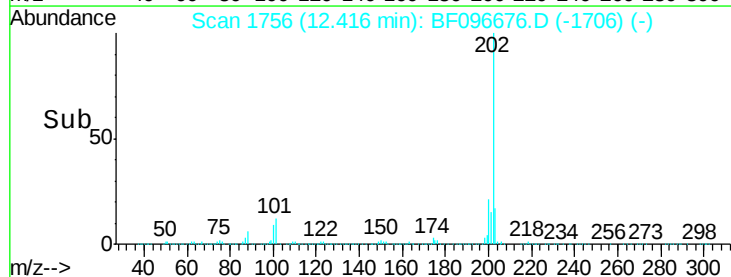
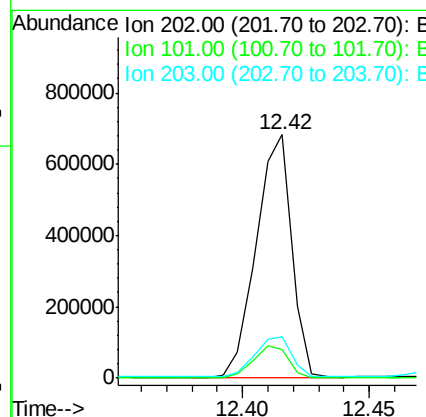
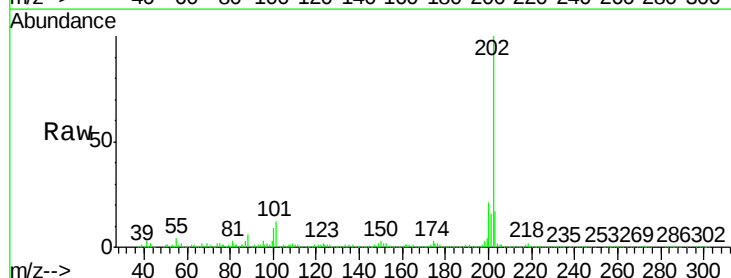
RT: 12.42 min Scan# 1756

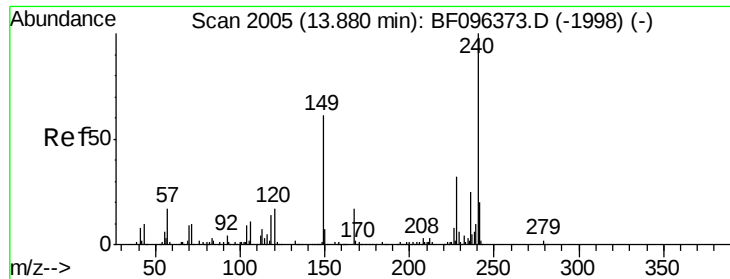
Delta R.T. -0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Tgt Ion:	202	Resp:	665997
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-HS2-SSW

Tgt Ion: 240 Resp: 165986

Ion Ratio Lower Upper

240 100

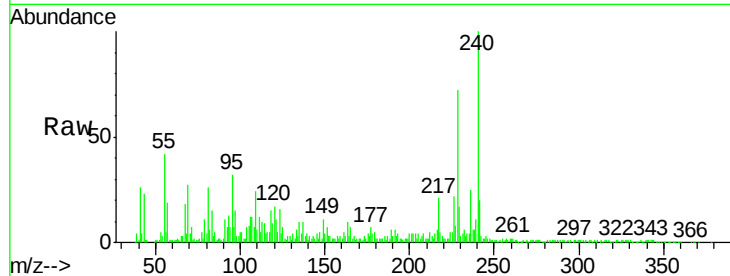
120 17.5 5.8 8.8#

236 25.1 20.5 30.7

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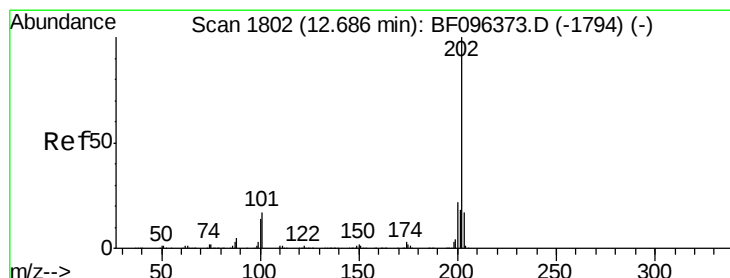
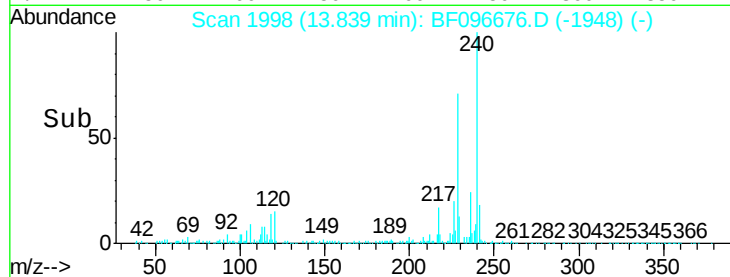
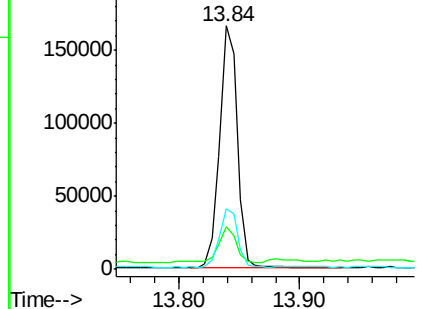
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 51.388 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

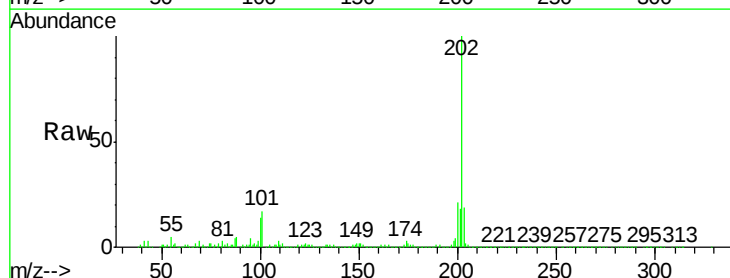
Tgt Ion: 202 Resp: 684649

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

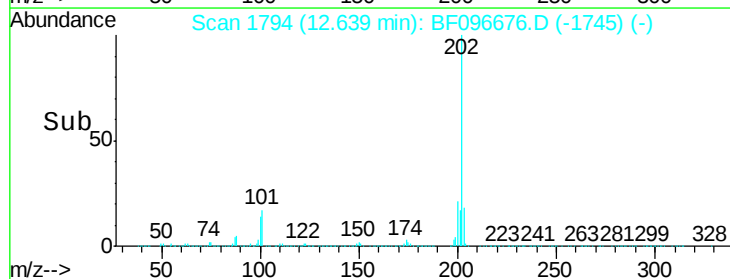
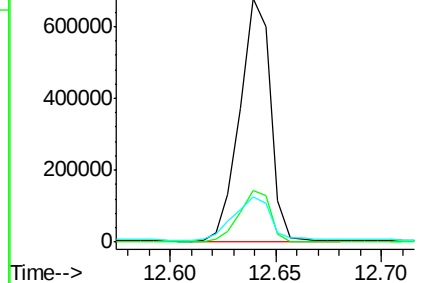
203 18.8 14.4 21.6

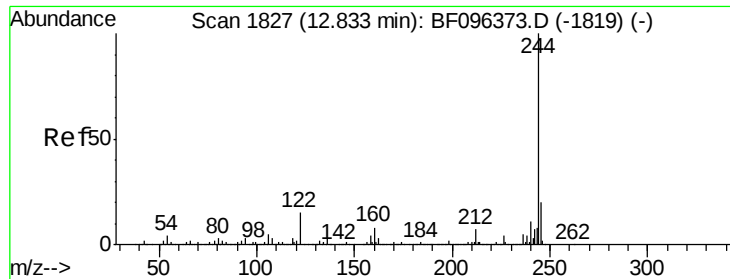


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.910 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-HS2-SSW

Tgt Ion:244 Resp: 442070
Ion Ratio Lower Upper

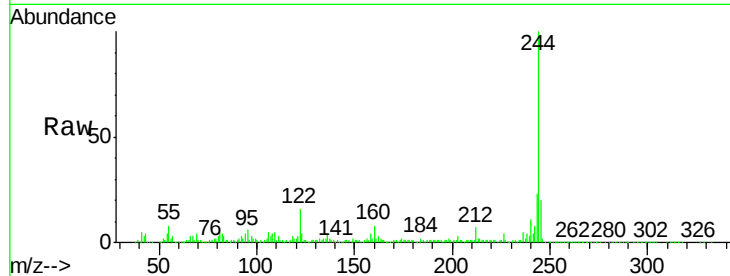
244 100

212 6.8 6.0 9.0

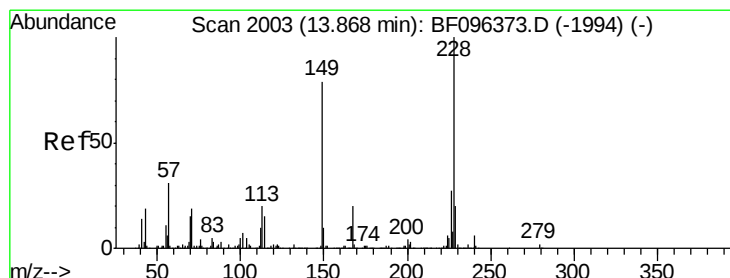
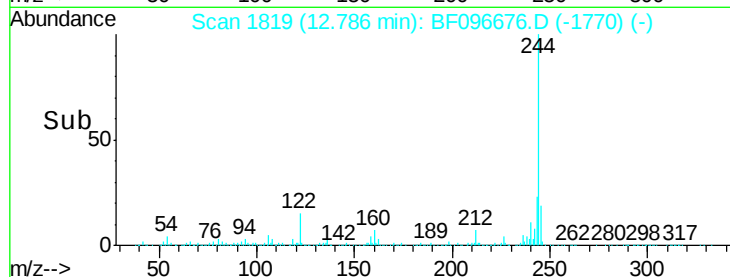
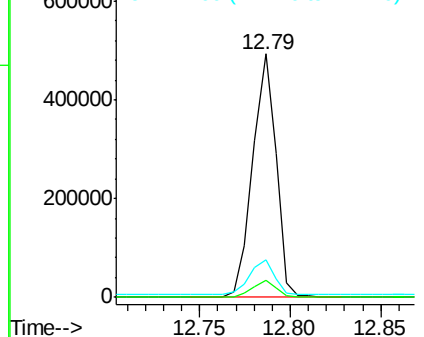
122 15.6 10.3 15.5#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 29.956 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF096676.D

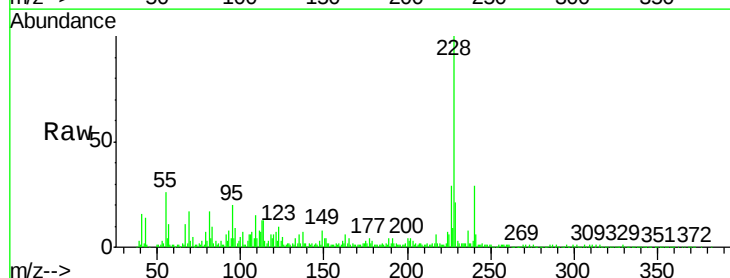
Acq: 12 Jul 2017 7:00

Tgt Ion:228 Resp: 287935
Ion Ratio Lower Upper

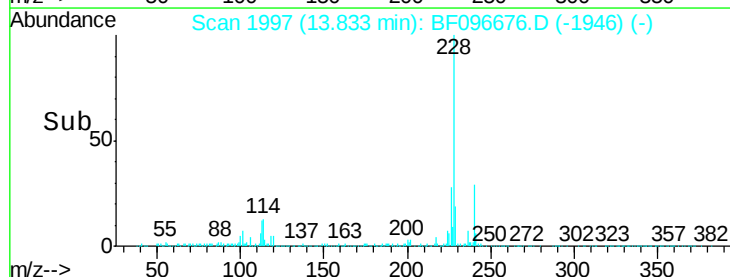
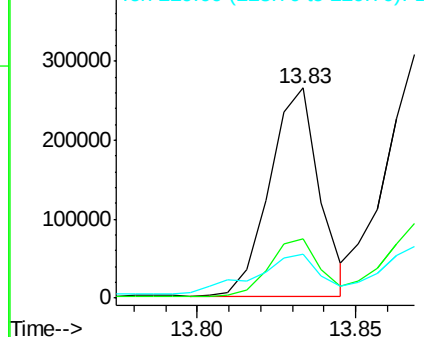
228 100

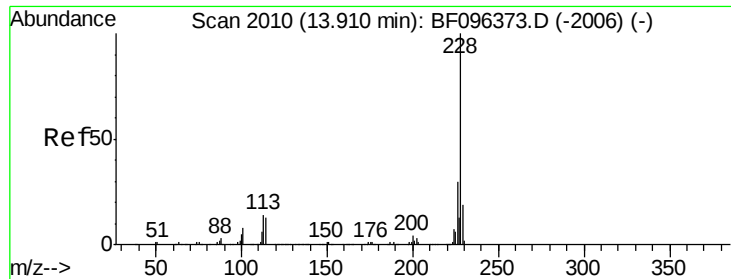
226 28.5 22.6 33.8

229 20.7 16.3 24.5



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





#82

Chrysene

Concen: 30.245 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

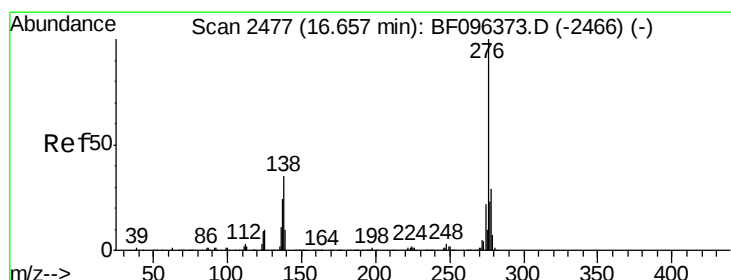
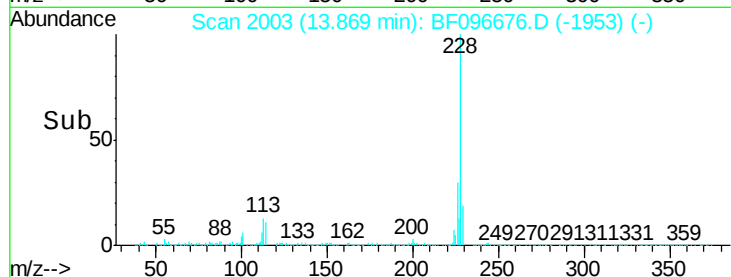
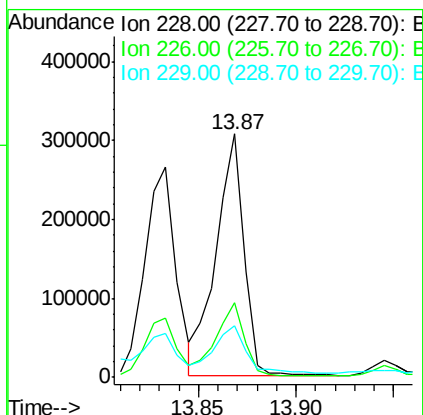
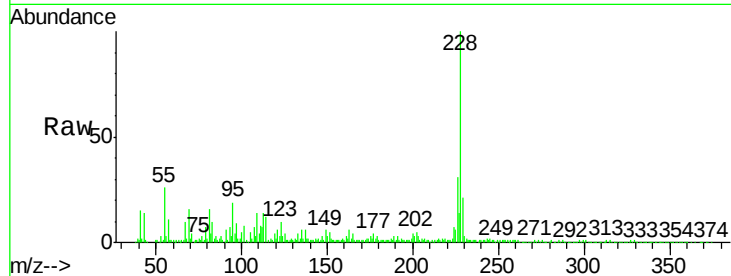
ClientSampleId :

E2-HS2-SSW

Tgt Ion:	228	Resp:	304442
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	21.3	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.290 ng

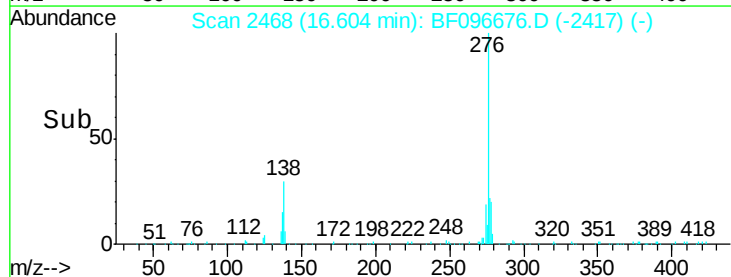
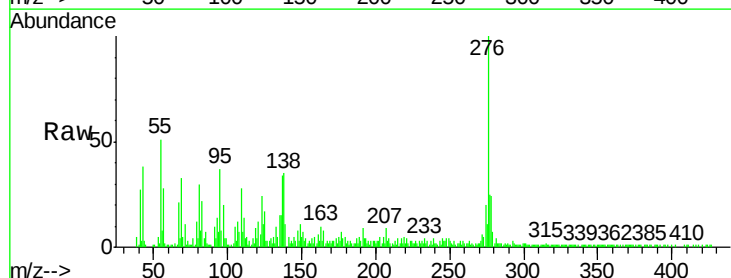
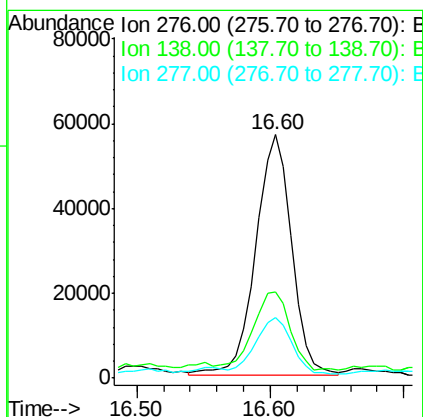
RT: 16.60 min Scan# 2468

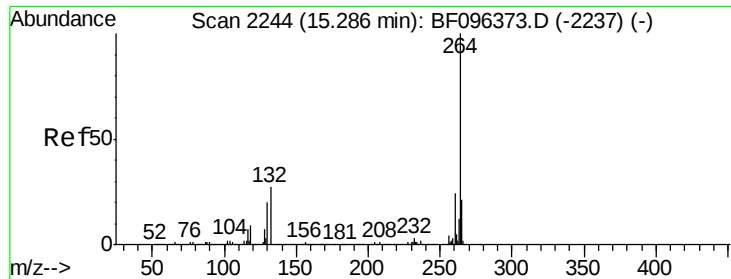
Delta R.T. 0.00 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Tgt Ion:	276	Resp:	105598
Ion Ratio	Lower	Upper	
276	100		
138	32.8	27.8	41.6
277	23.6	20.2	30.4





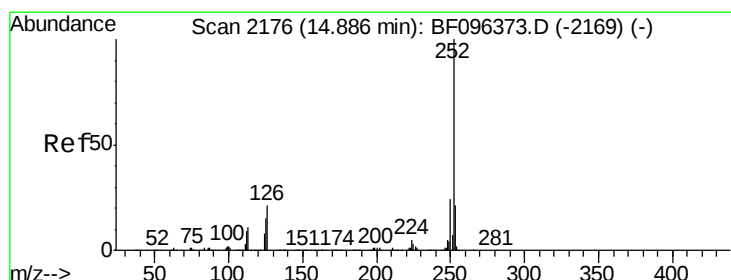
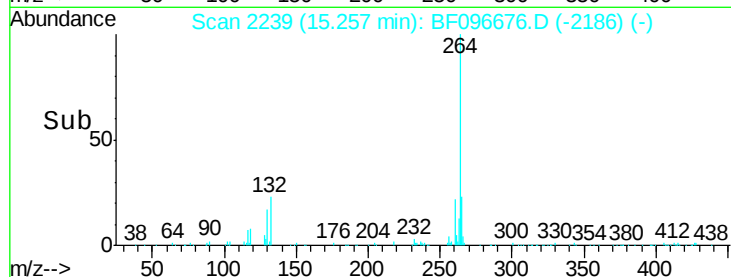
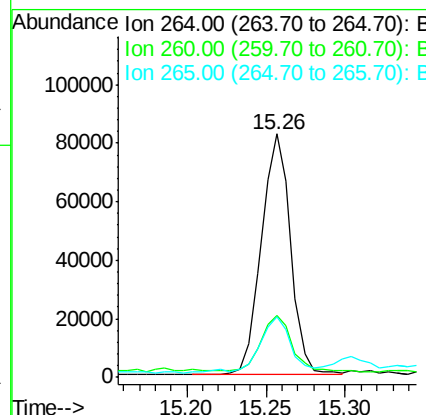
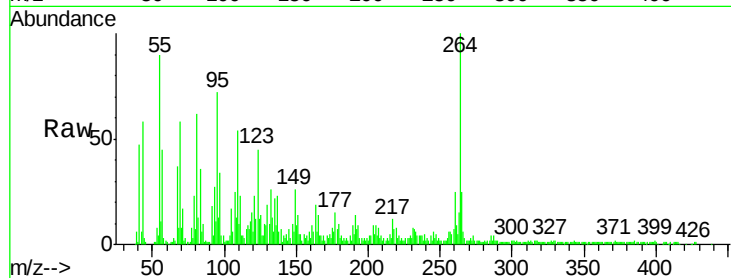
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-HS2-SSW

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.3	19.5	29.3
265	24.9	17.2	25.8

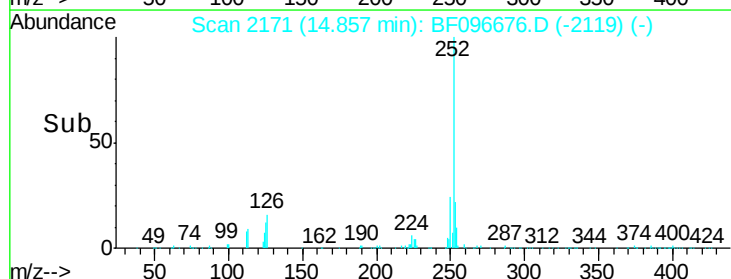
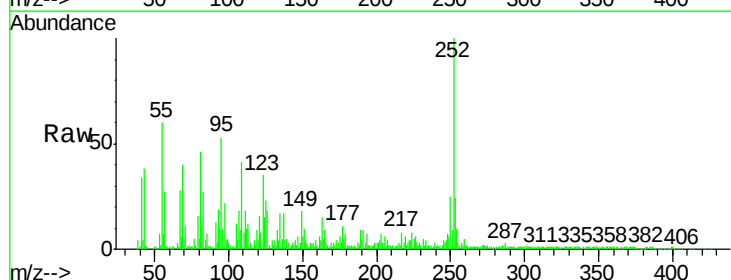
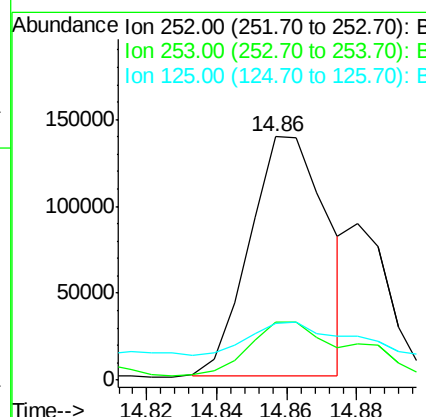
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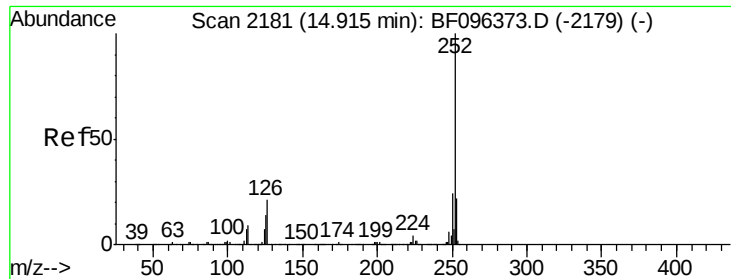
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#87
Benzo(b)fluoranthene
Concen: 31.884 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.8	18.1	27.1
125	23.4	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 12.016 ng m

RT: 14.88 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Instrument :

BNA_F

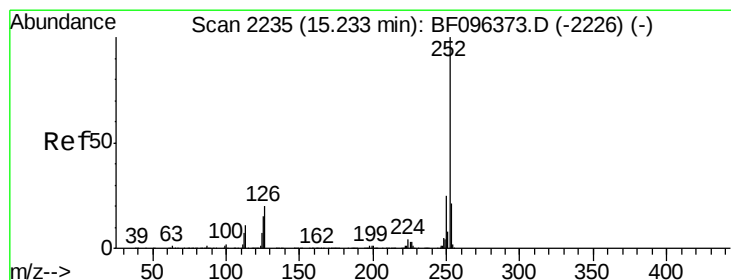
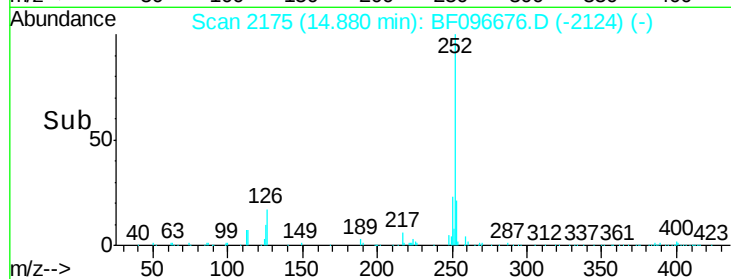
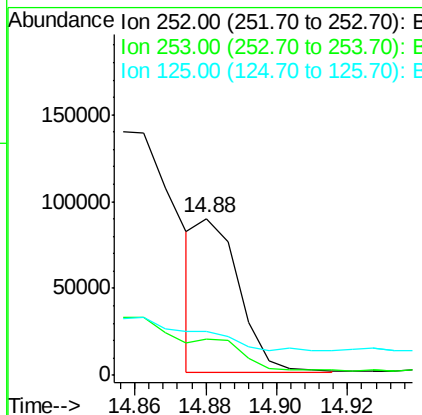
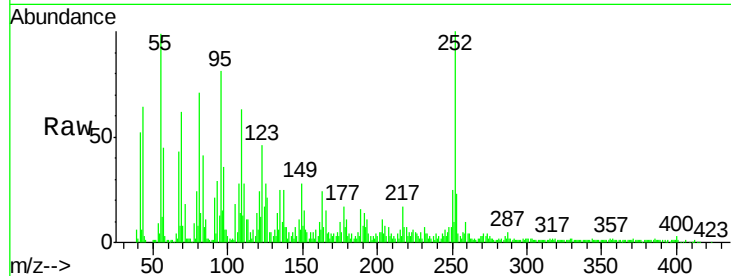
ClientSampleId :

E2-HS2-SSW

Tgt	Ion	252	Resp:	71639
	Ion	Ratio	Lower	Upper
252	100			
253	23.4	18.4	27.6	
125	28.2	13.1	19.7	

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#89

Benzo(a)pyrene

Concen: 25.992 ng

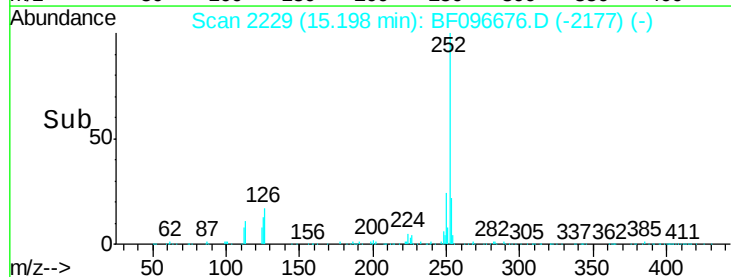
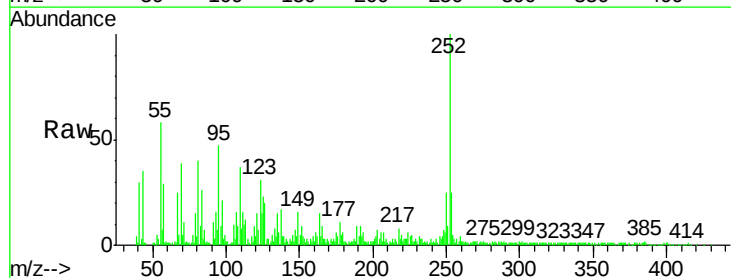
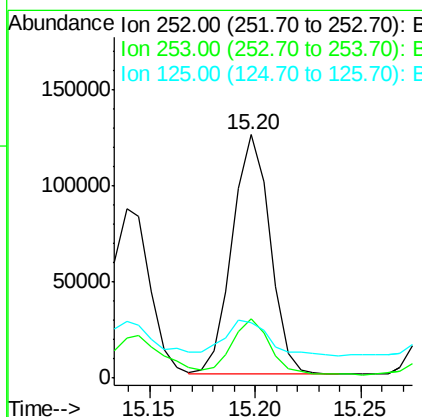
RT: 15.20 min Scan# 2229

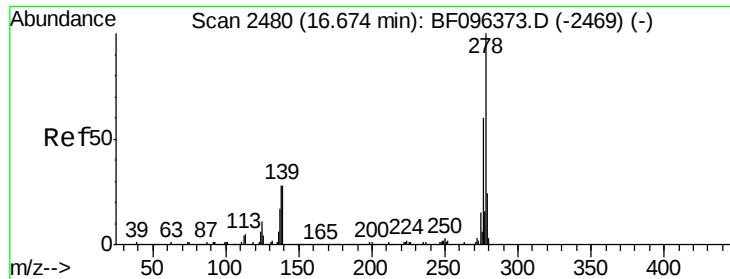
Delta R.T. 0.01 min

Lab File: BF096676.D

Acq: 12 Jul 2017 7:00

Tgt	Ion	252	Resp:	154662
	Ion	Ratio	Lower	Upper
252	100			
253	24.6	17.5	26.3	
125	22.7	11.0	16.4	





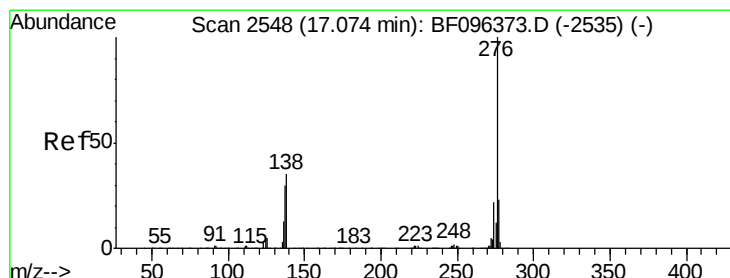
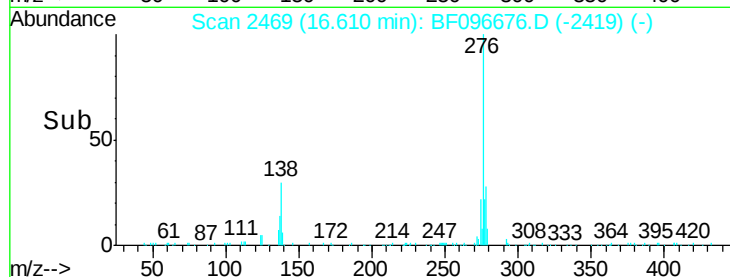
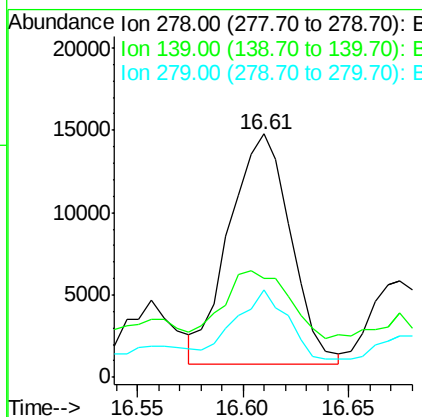
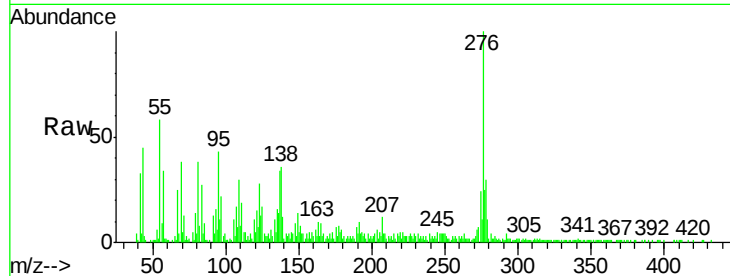
#90
Dibenzo(a,h)anthracene
Concen: 6.035 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-HS2-SSW

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.7	16.6	24.8#
279	35.9	19.3	28.9#

Manual Integrations
APPROVED

mohammad
7/12/2017 4:58:11 PM



#91
Benzo(g,h,i)perylene
Concen: 20.444 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF096676.D
Acq: 12 Jul 2017 7:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	36.3	25.4	38.0

