

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096186.D
 Acq On : 24 Jun 2017 12:54
 Operator : SJ/MA
 Sample : I3872-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-062217-B

Manual Integrations
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Quant Time: Jun 26 02:11:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	70085	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	276999	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	113066	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	167935	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	142843	20.00	ng	-0.02
86) Perylene-d12	19.93	264	117087	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	73397	16.69	ng	0.00
7) Phenol-d6	6.89	99	88730	16.85	ng	0.02
23) Nitrobenzene-d5	8.20	82	54143	12.14	ng	-0.02
41) 2,4,6-Tribromophenol	13.43	330	15397	15.39	ng	-0.02
44) 2-Fluorobiphenyl	11.07	172	122263	15.05	ng	-0.04
78) Terphenyl-d14	16.90	244	74017	12.86	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	9.33	128	62320	4.48	ng	98
37) 2-Methylnaphthalene	10.47	142	26406	2.81	ng	91
49) Dimethylphthalate	11.78	163	20054	2.34	ng	97
51) Acenaphthene	12.17	154	20546	2.86	ng	94
54) Dibenzofuran	12.47	168	32751	3.24	ng	97
57) Fluorene	13.02	166	39103	4.44	ng	99
70) Phenanthrene	14.54	178	195738	20.20	ng	98
71) Anthracene	14.64	178	58656	5.80	ng	97
72) Carbazole	14.96	167	19929	2.02	ng	99
74) Fluoranthene	16.34	202	152279	15.88	ng	99
77) Pyrene	16.64	202	126701	11.89	ng	# 96
80) Benzo(a)anthracene	18.24	228	55242	6.65	ng	97
82) Chrysene	18.29	228	46097	5.55	ng	96
85) Indeno(1,2,3-cd)pyrene	21.11	276	18993	2.67	ng	# 88
87) Benzo(b)fluoranthene	19.53	252	52295	7.13	ng	# 94
88) Benzo(k)fluoranthene	19.56	252	16478m	2.35	ng	
89) Benzo(a)pyrene	19.88	252	36576	5.43	ng	# 90
91) Benzo(g,h,i)perylene	21.44	276	15482	2.66	ng	# 89

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

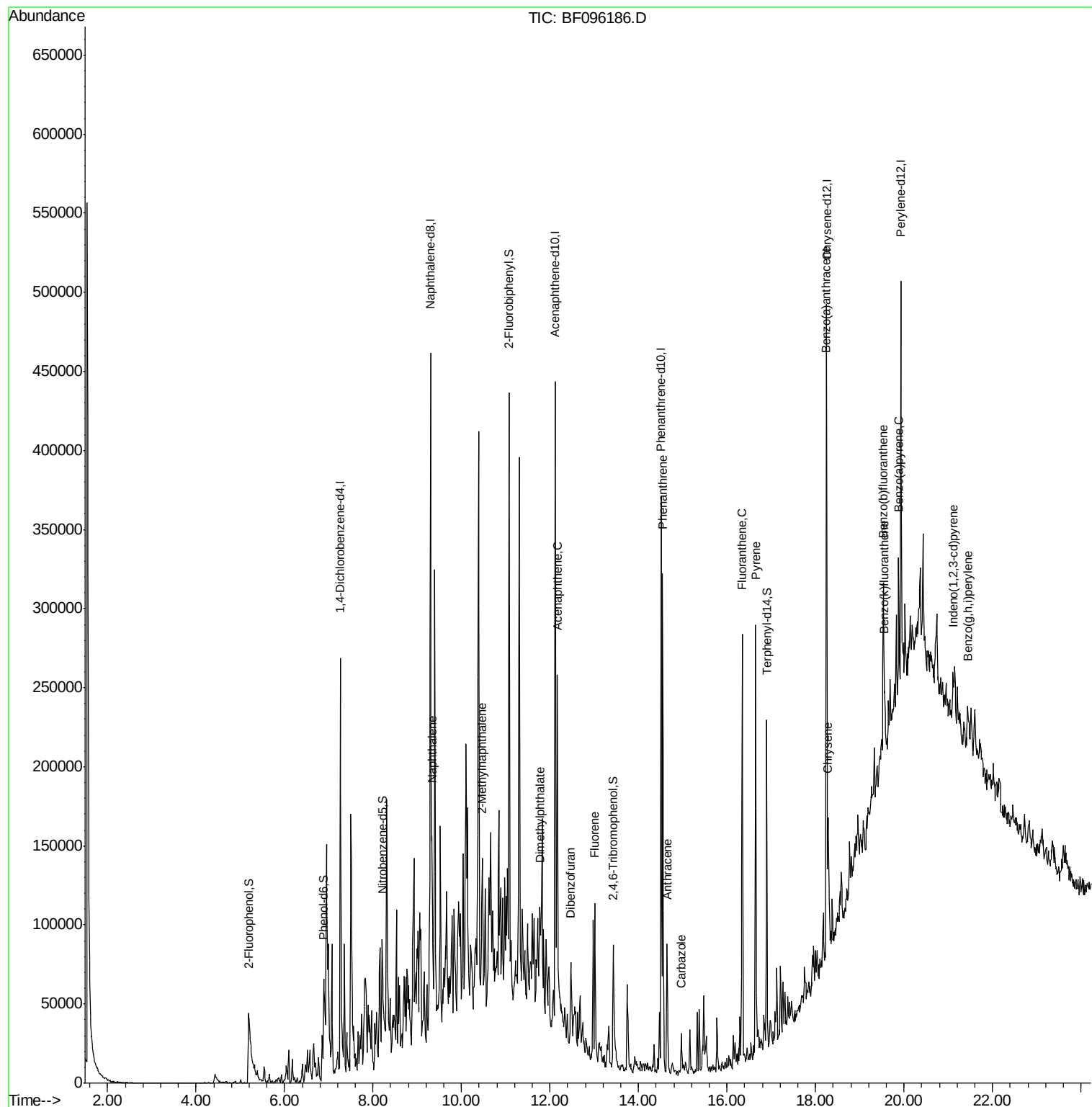
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
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ALS Vial : 8 Sample Multiplier: 1

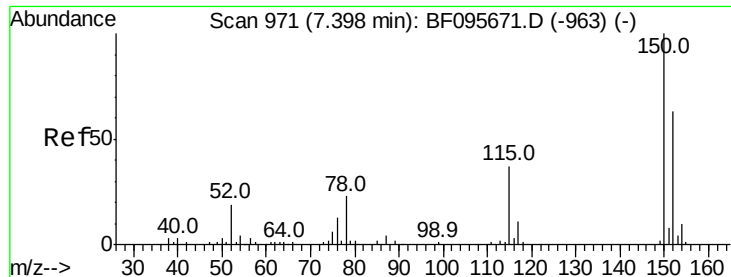
Instrument :
BNA_F
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HR-05-062217-B

Quant Time: Jun 26 02:11:30 2017
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#1

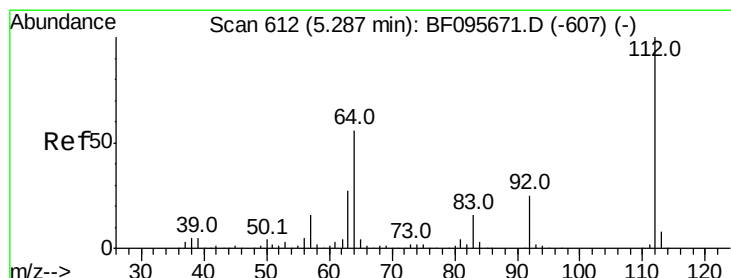
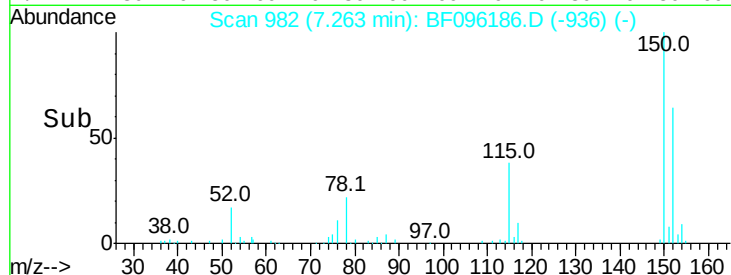
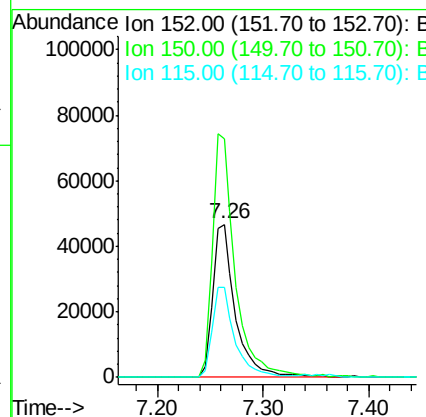
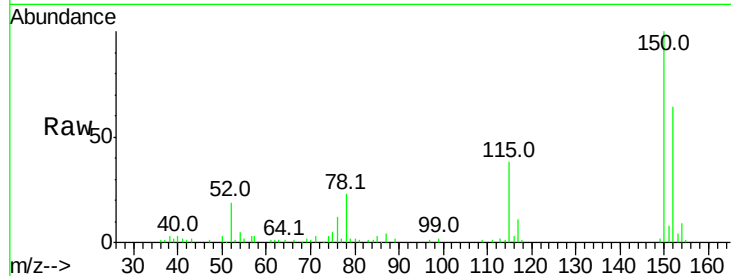
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	59.2	52.2	78.2

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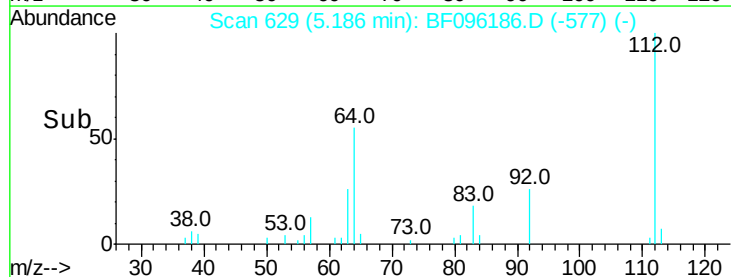
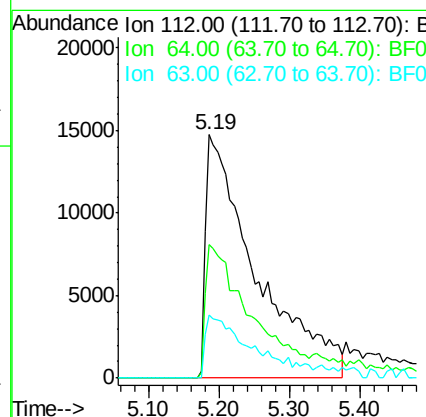
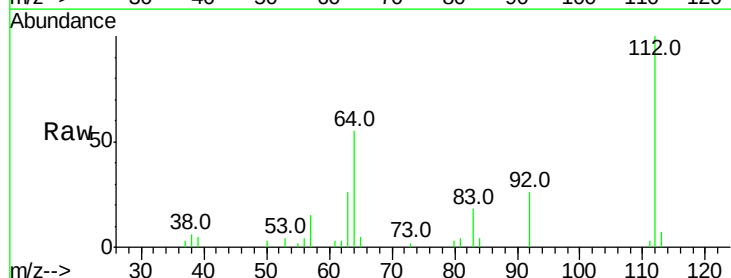
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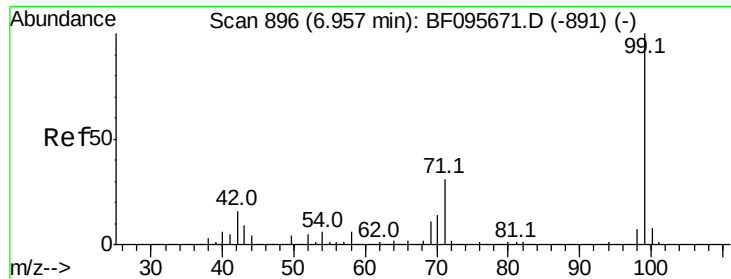


#5

2-Fluorophenol
Concen: 16.69 ng
RT: 5.19 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	26.0	23.4	35.0





#7

Phenol-d6

Concen: 16.85 ng

RT: 6.89 min Scan# 919

Delta R.T. 0.02 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Instrument :

BNA_F

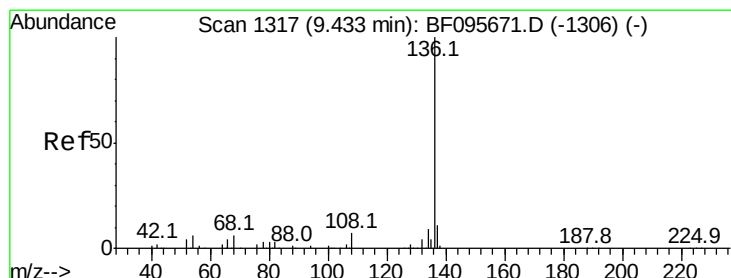
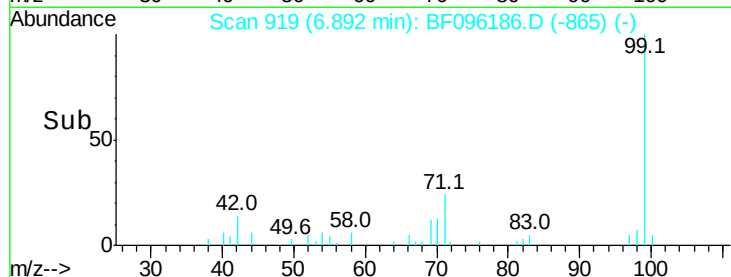
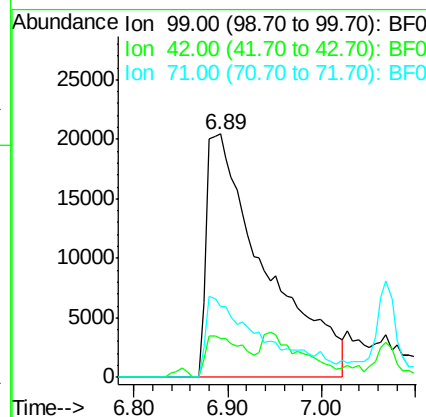
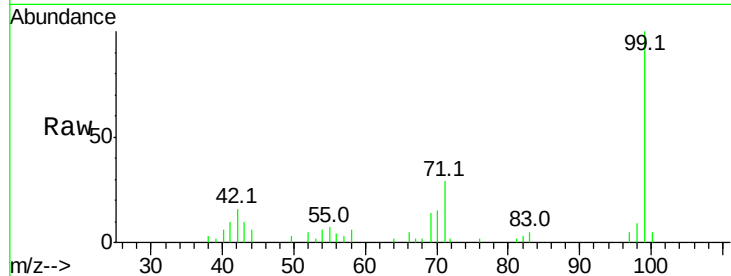
ClientSampleId :

HR-05-062217-B

Tot Ion:	99	Resp:	88730
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	29.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

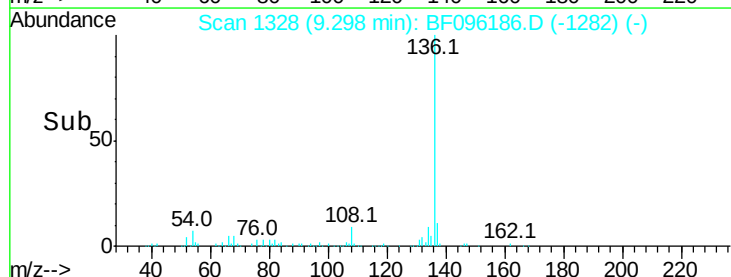
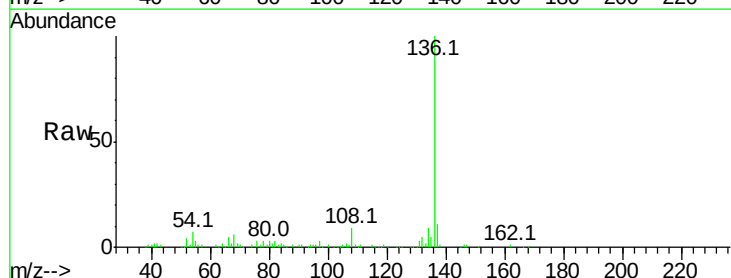
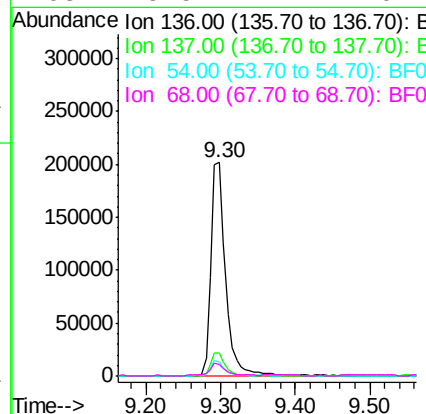
RT: 9.30 min Scan# 1328

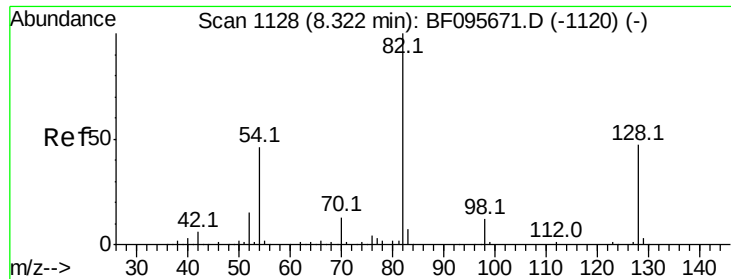
Delta R.T. -0.03 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Tgt Ion:	136	Resp:	276999
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.8	4.9	7.3
68	5.5	4.1	6.1





#23

Nitrobenzene-d5

Concen: 12.14 ng

RT: 8.20 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Instrument :

BNA_F

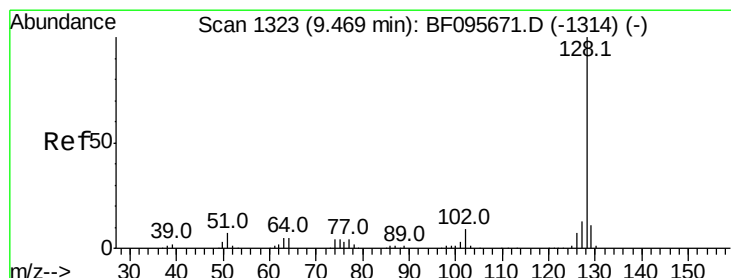
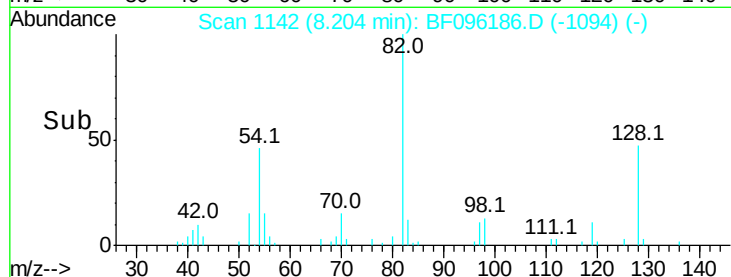
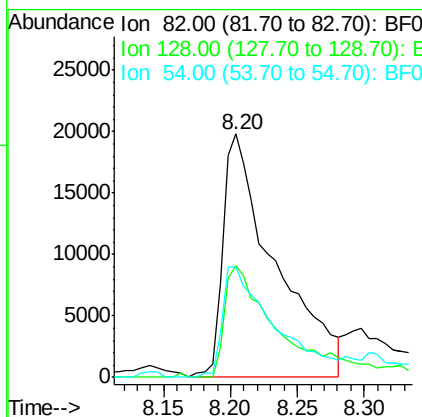
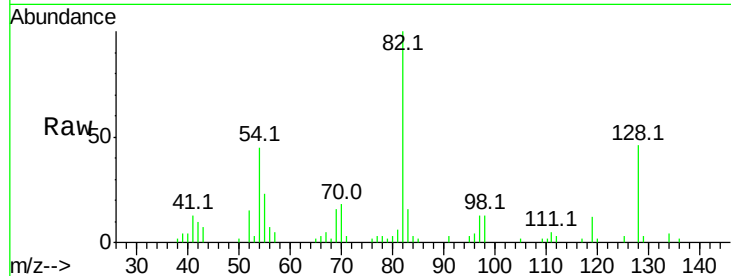
ClientSampleId :

HR-05-062217-B

Tot Ion:	82	Resp:	54143
Ion Ratio	Lower	Upper	
82	100		
128	45.7	34.0	51.0
54	45.2	42.2	63.2

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#31

Naphthalene

Concen: 4.48 ng

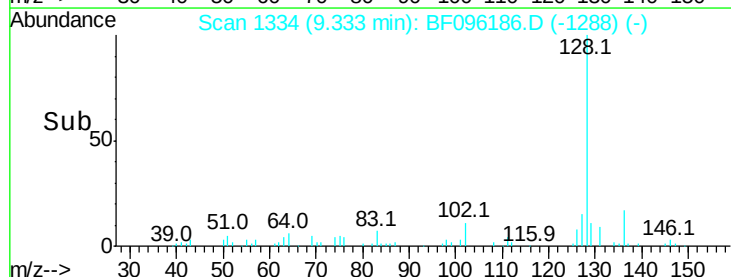
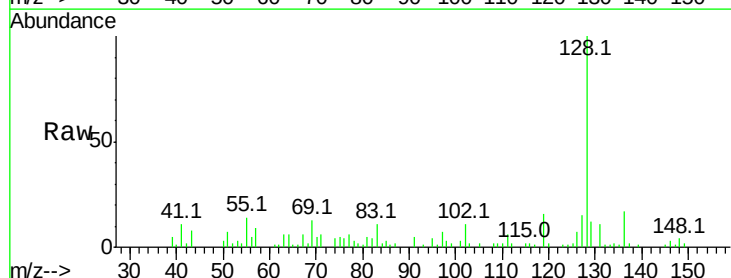
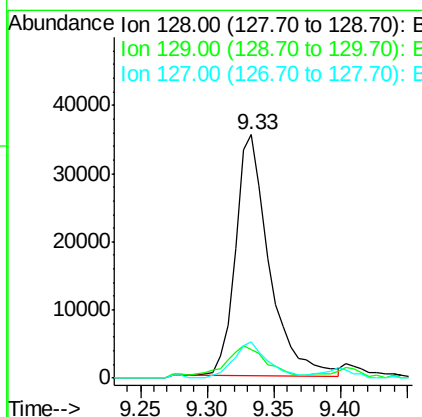
RT: 9.33 min Scan# 1334

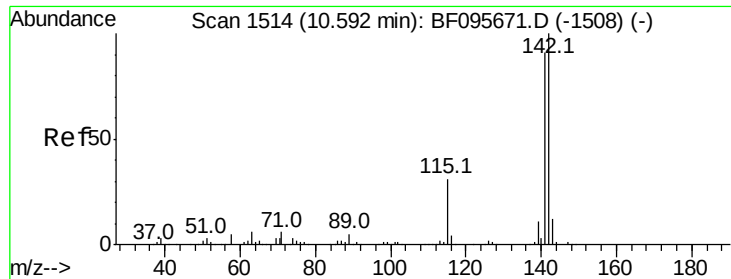
Delta R.T. -0.03 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Tgt Ion:	128	Resp:	62320
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.0	13.6
127	14.8	10.8	16.2





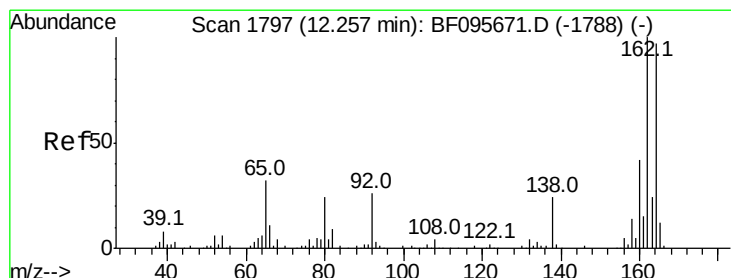
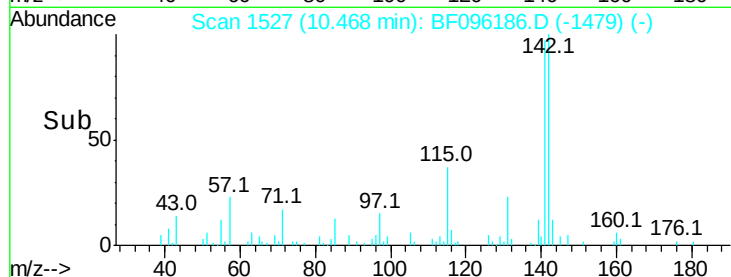
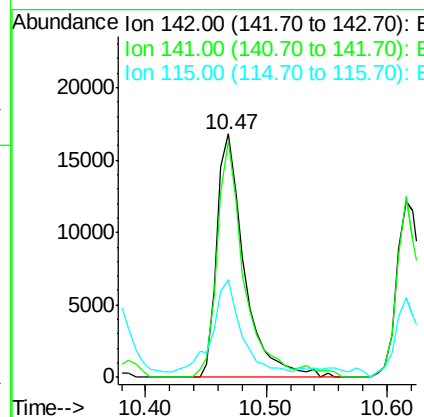
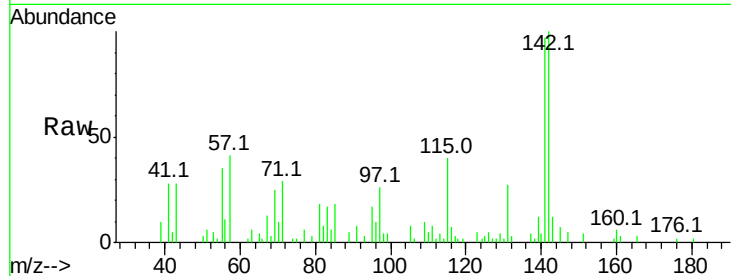
#37
2-Methylnaphthalene
Concen: 2.81 ng
RT: 10.47 min Scan# 1527
Delta R.T. -0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.9	71.3	106.9
115	40.0	27.1	40.7

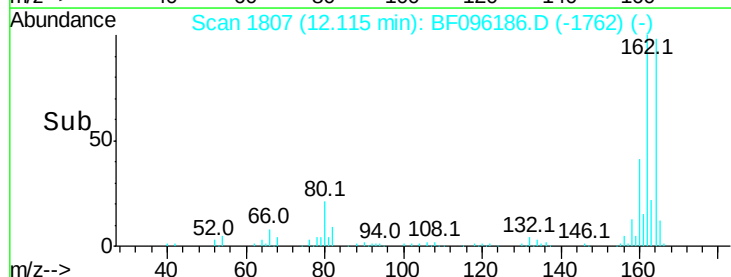
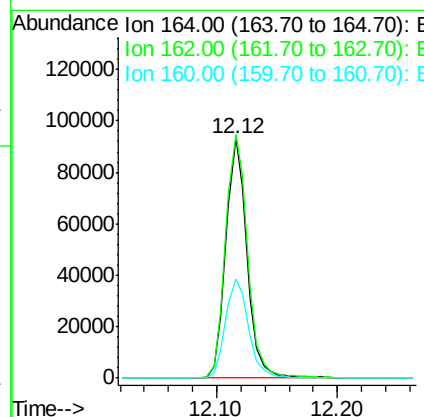
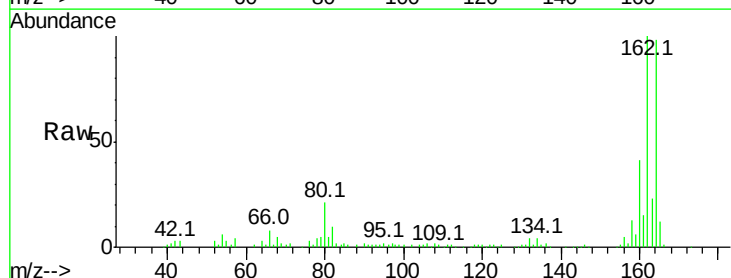
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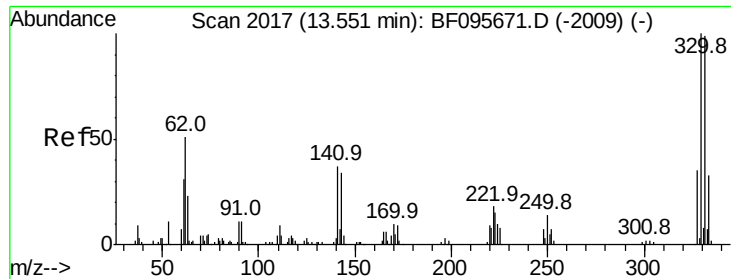
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.12 min Scan# 1807
Delta R.T. -0.04 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	41.6	36.2	54.2





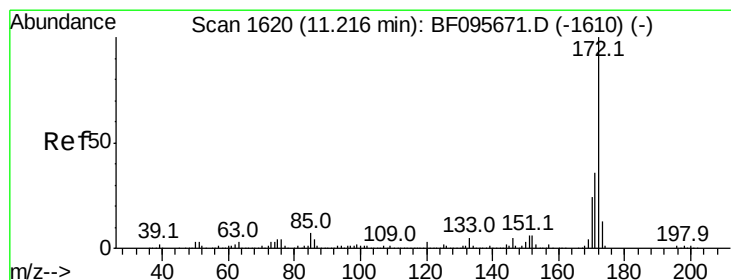
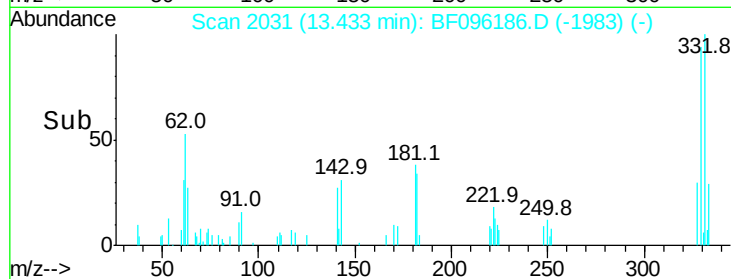
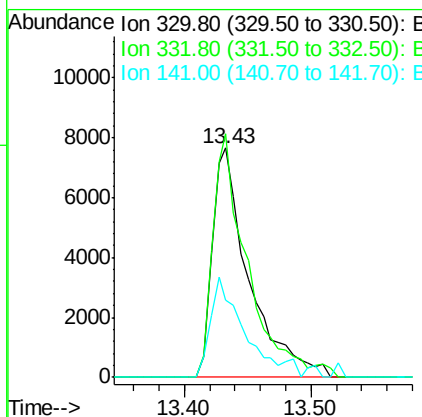
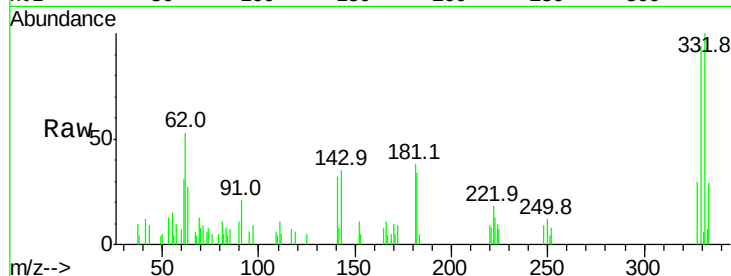
#41
 2,4,6-Tribromophenol
 Concen: 15.39 ng
 RT: 13.43 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF096186.D
 Acq: 24 Jun 2017 12:54

Instrument :
 BNA_F
 ClientSampled :
 HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.9	76.6	115.0
141	41.1	31.4	47.2

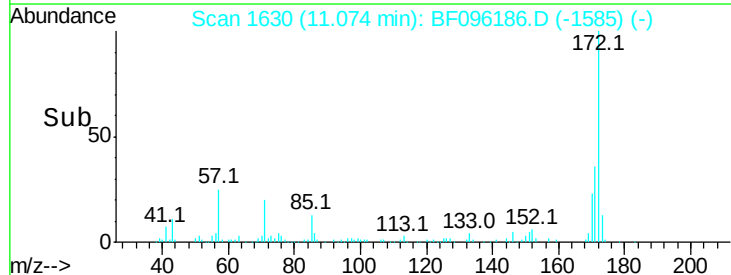
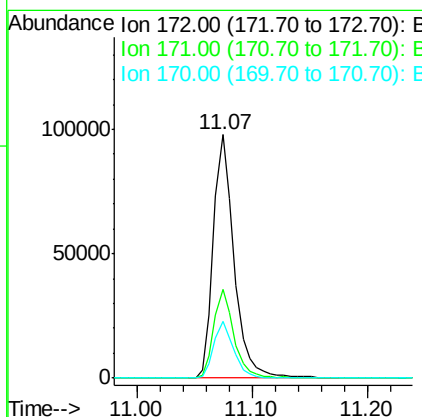
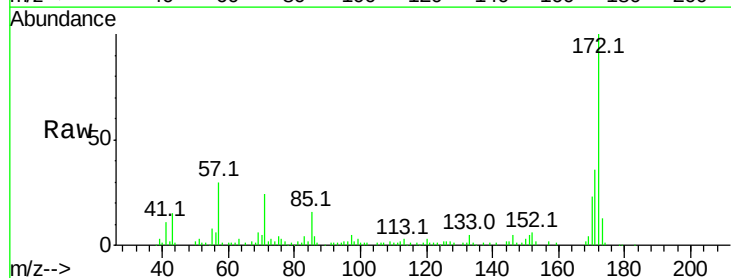
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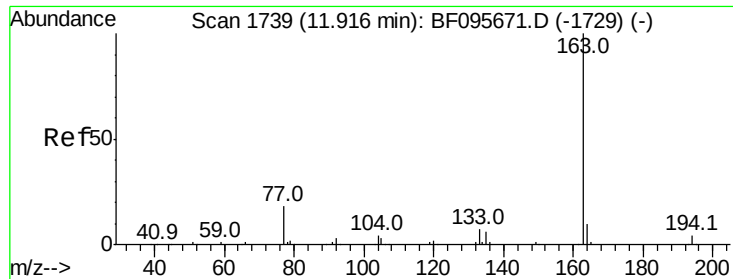
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#44
 2-Fluorobiphenyl
 Concen: 15.05 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096186.D
 Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.3	19.8	29.8





#49

Dimethylphthalate

Concen: 2.34 ng

RT: 11.78 min Scan# 1750

Delta R.T. -0.04 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Instrument :

BNA_F

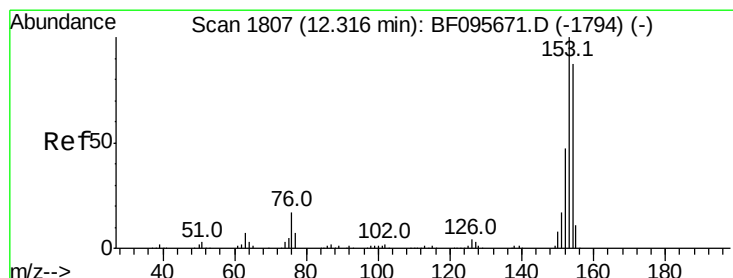
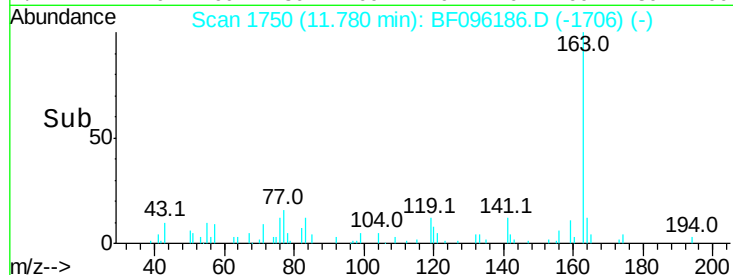
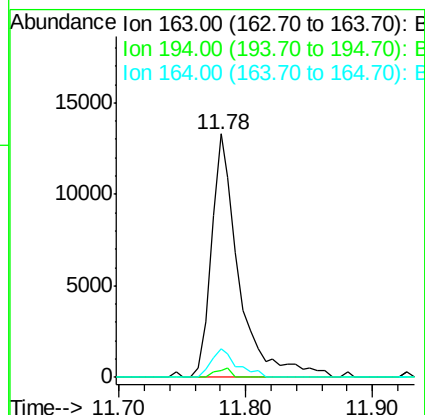
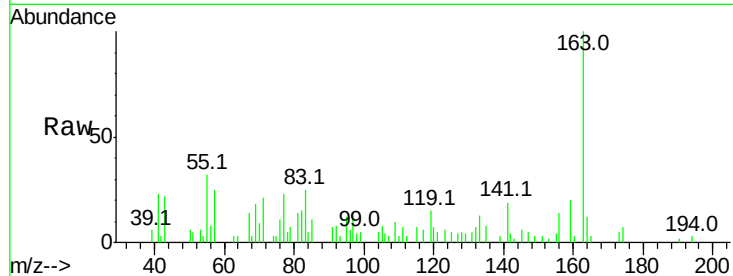
ClientSampleId :

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Tot Ion:	163	Resp:	20054
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.6	4.0
164	11.9	8.4	12.6

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#51

Acenaphthene

Concen: 2.86 ng

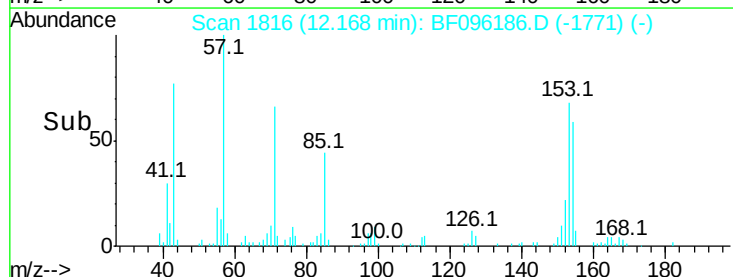
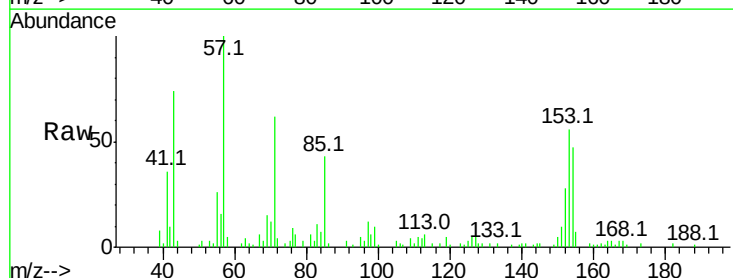
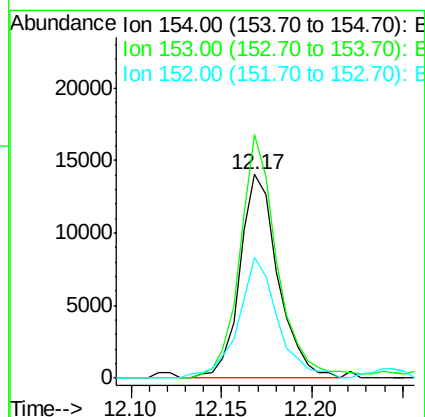
RT: 12.17 min Scan# 1816

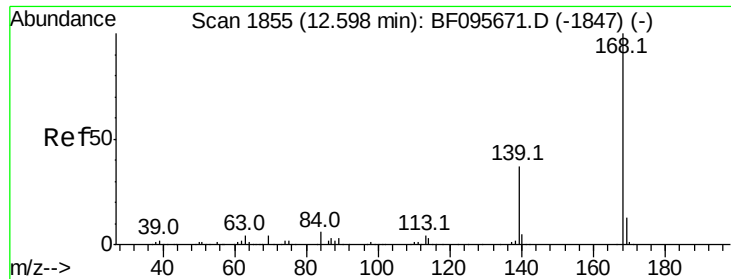
Delta R.T. -0.04 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Tgt Ion:	154	Resp:	20546
Ion Ratio	Lower	Upper	
154	100		
153	119.5	90.5	135.7
152	59.5	43.6	65.4





#54

Dibenzenofuran

Concen: 3.24 ng

RT: 12.47 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Instrument :

BNA_F

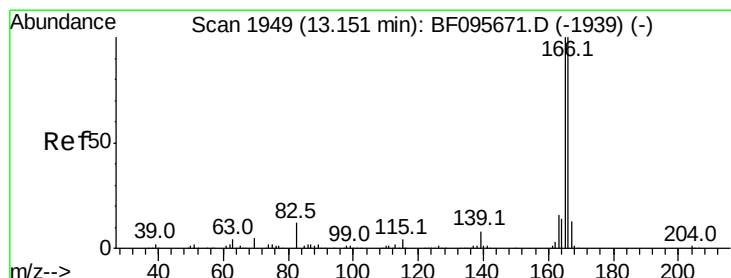
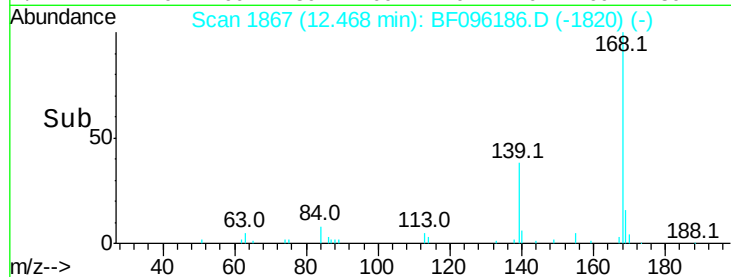
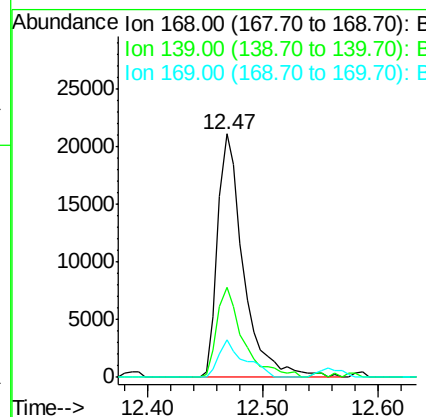
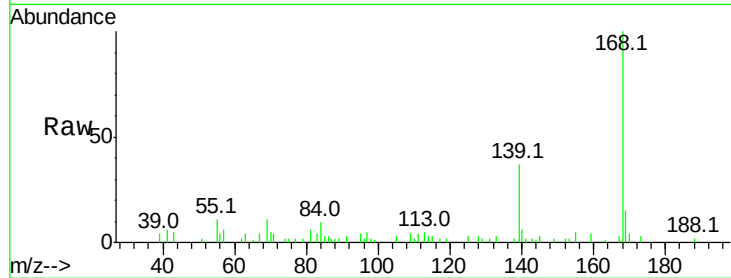
ClientSampleId :

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Tot Ion:168	Resp:	32751
Ion Ratio	Lower	Upper
168	100	
139	37.1	30.6 45.8
169	15.4	10.8 16.2

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#57

Fluorene

Concen: 4.44 ng

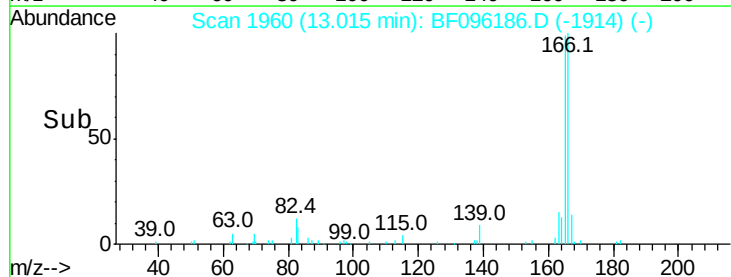
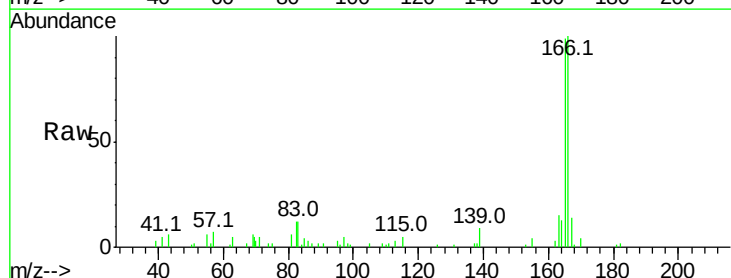
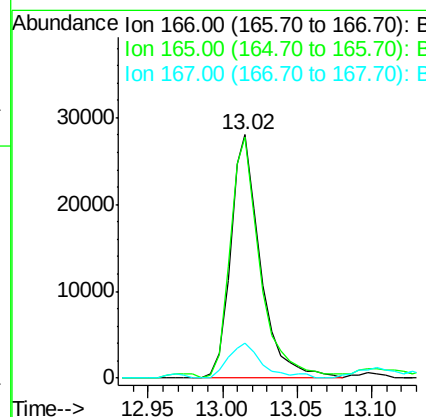
RT: 13.02 min Scan# 1960

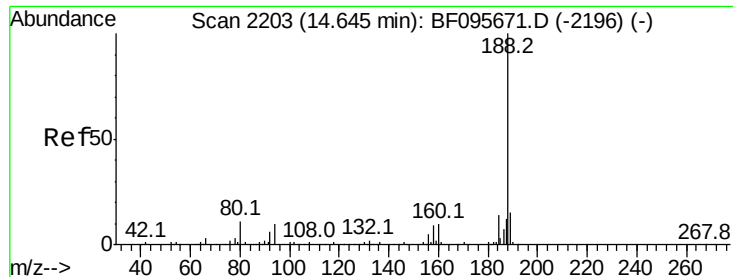
Delta R.T. -0.03 min

Lab File: BF096186.D

Acq: 24 Jun 2017 12:54

Tgt Ion:166	Resp:	39103
Ion Ratio	Lower	Upper
166	100	
165	98.8	78.8 118.2
167	14.3	10.6 16.0





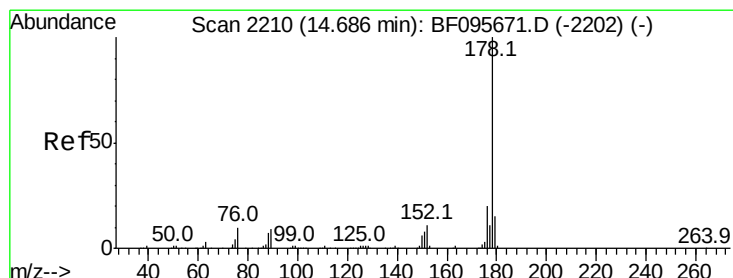
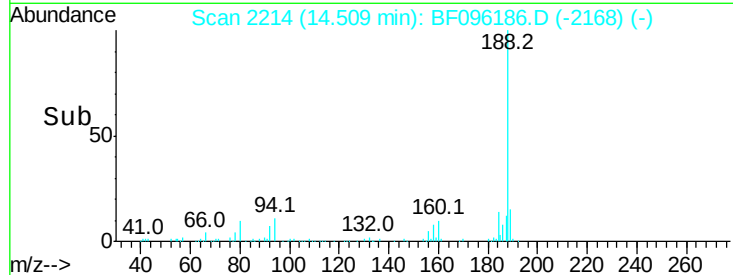
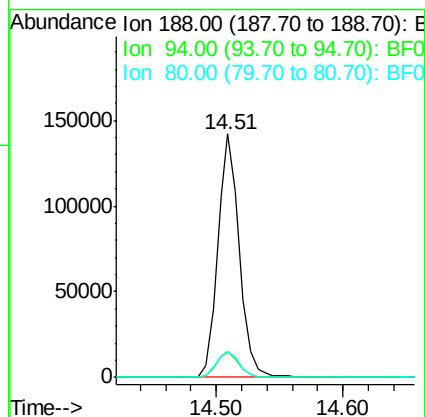
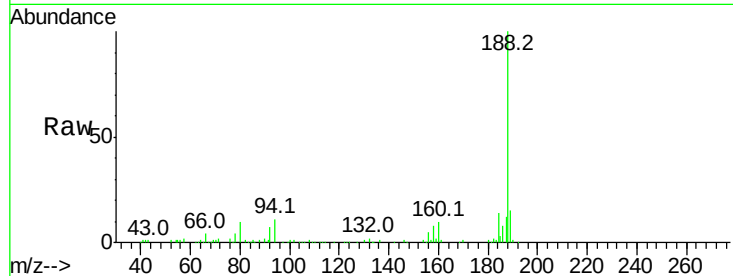
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	167935		
94	10.9		9.4	14.2
80	10.4		10.2	15.2

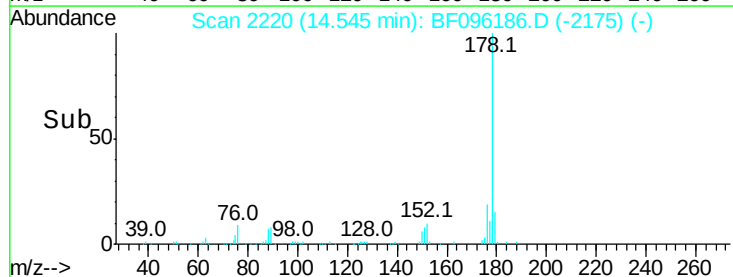
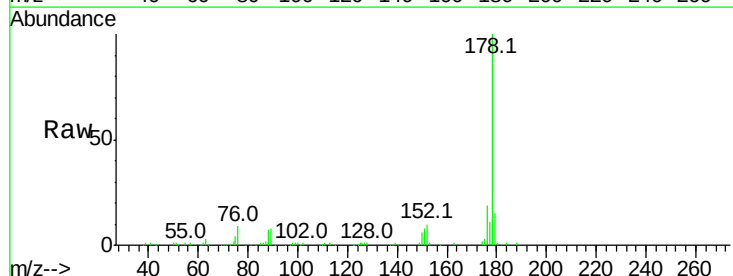
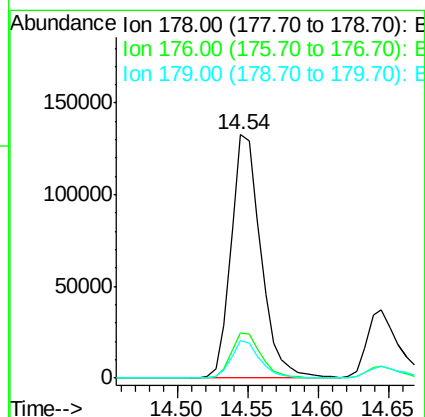
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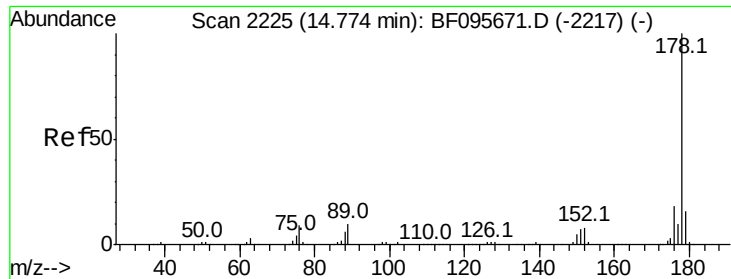
mohammad
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#70
Phenanthrene
Concen: 20.20 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.04 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	195738		
176	18.7		16.2	24.4
179	15.5		12.6	19.0





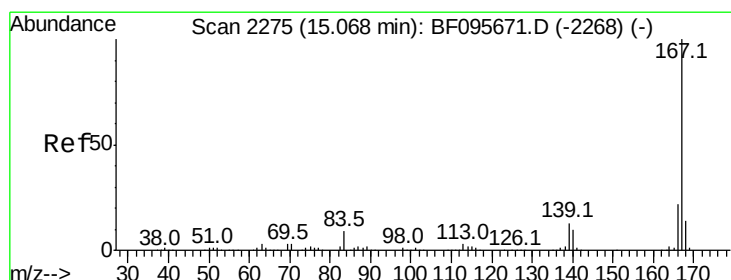
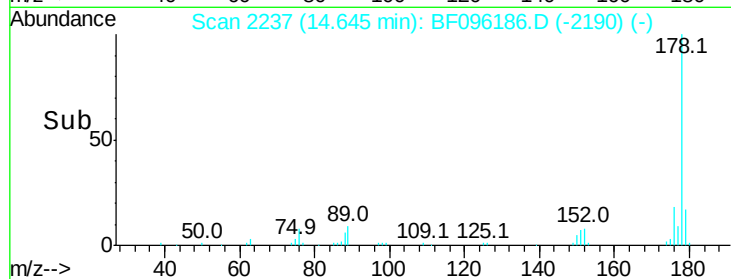
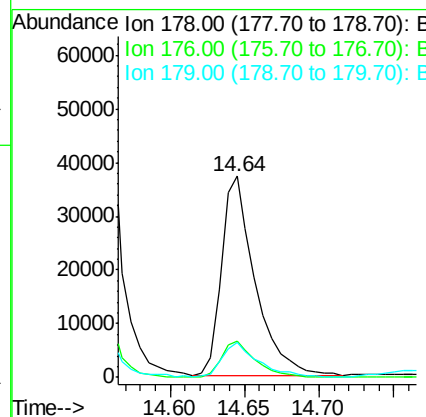
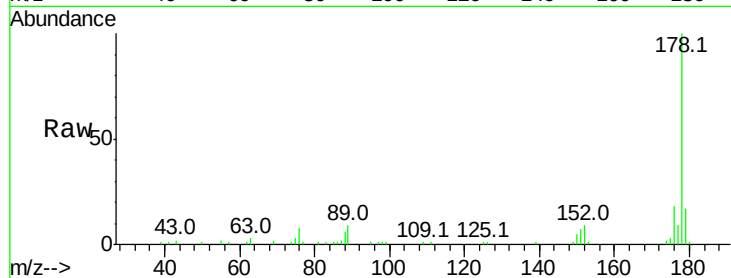
#71
 Anthracene
 Concen: 5.80 ng
 RT: 14.64 min Scan# 2237
 Delta R.T. -0.02 min
 Lab File: BF096186.D
 Acq: 24 Jun 2017 12:54

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	17.2	12.7	19.1

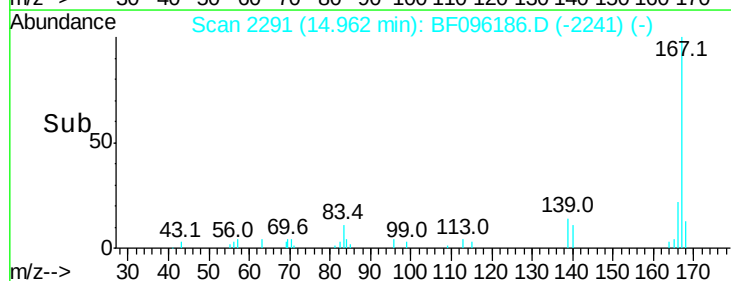
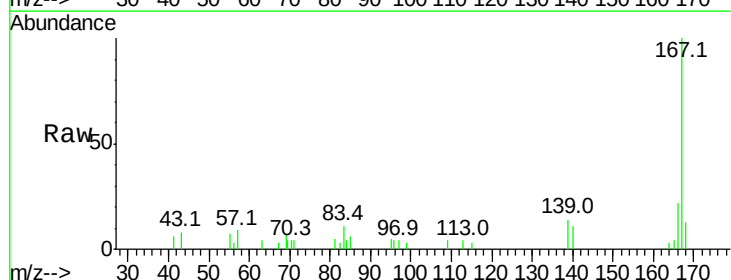
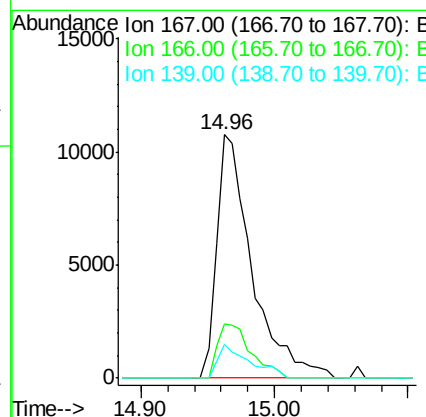
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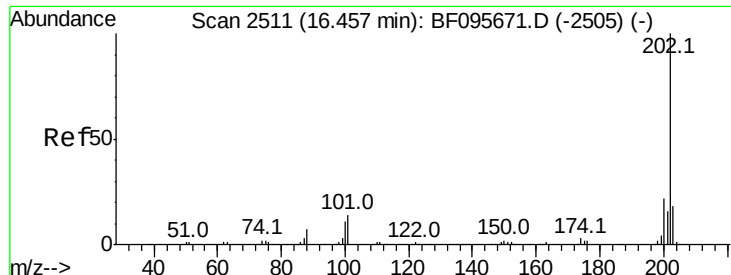
mohammad
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#72
 Carbazole
 Concen: 2.02 ng
 RT: 14.96 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF096186.D
 Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.7	11.7	17.5





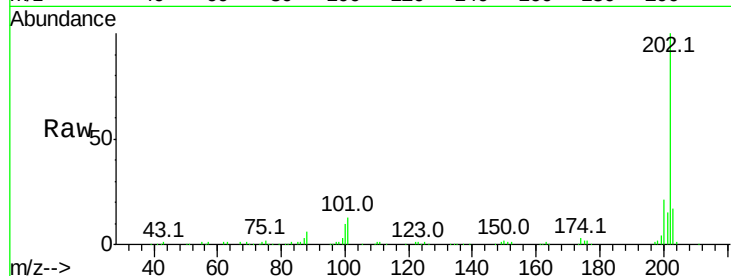
#74
Fluoranthene
Concen: 15.88 ng
RT: 16.34 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

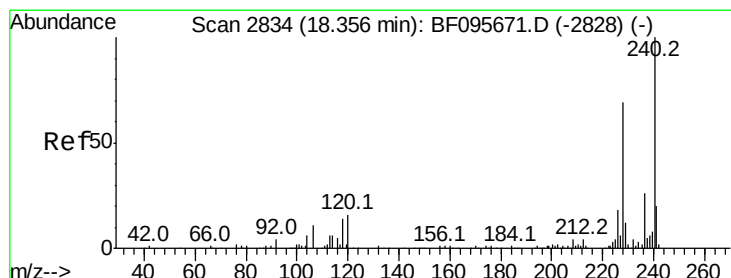
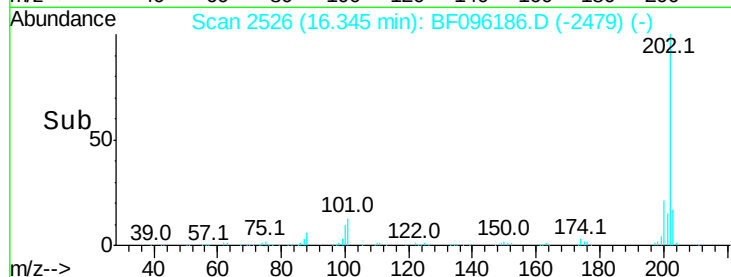
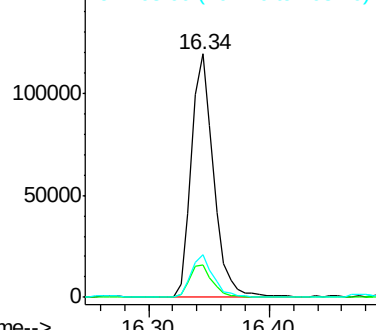
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.3	0.0	38.1

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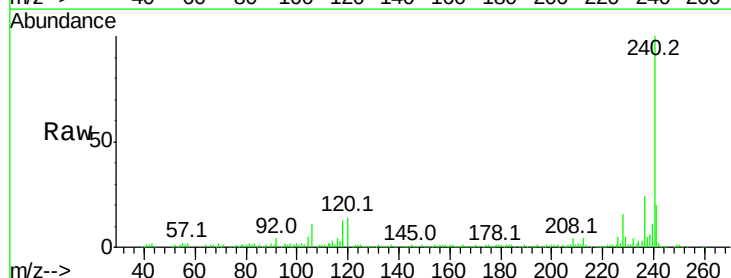


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

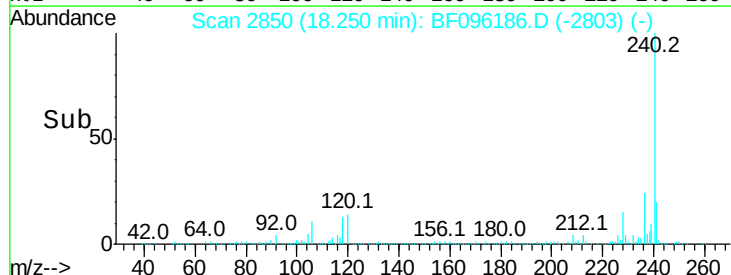
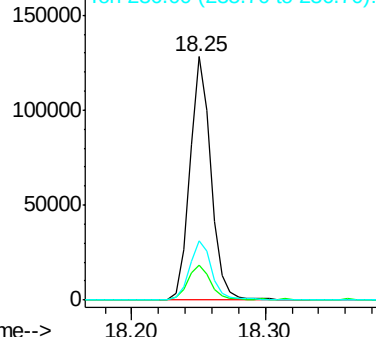


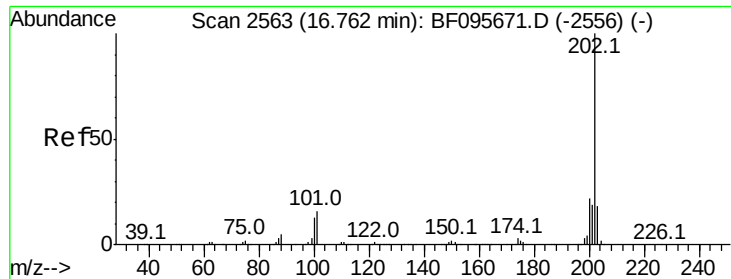
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.25 min Scan# 2850
Delta R.T. -0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.5	20.5	30.7



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





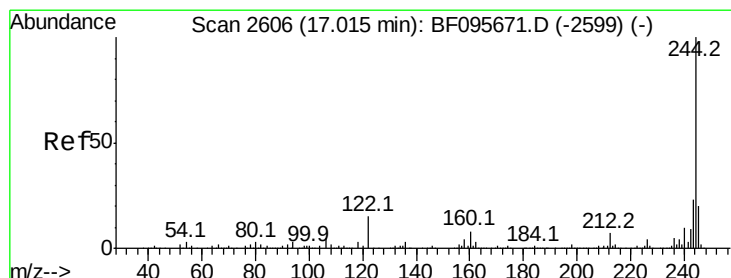
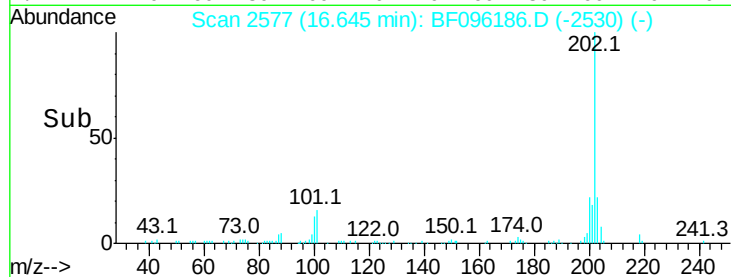
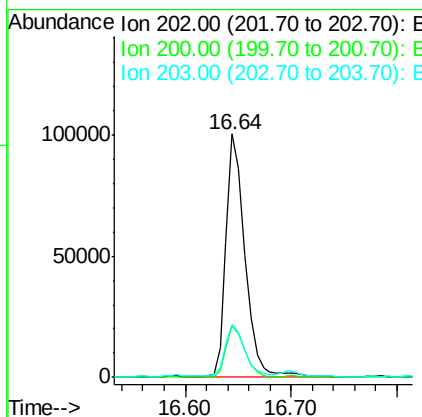
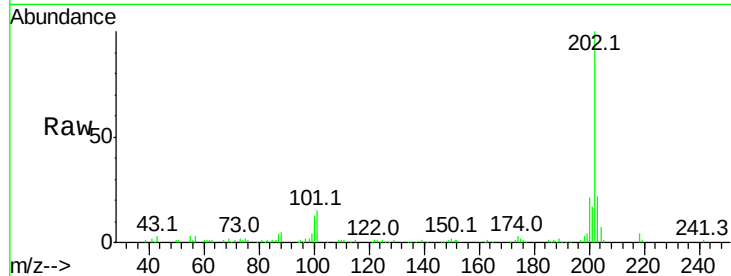
#77
Pvrene
Concen: 11.89 ng
RT: 16.64 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampled :
HR-05-062217-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.6	26.4
203	21.6	14.4	21.6

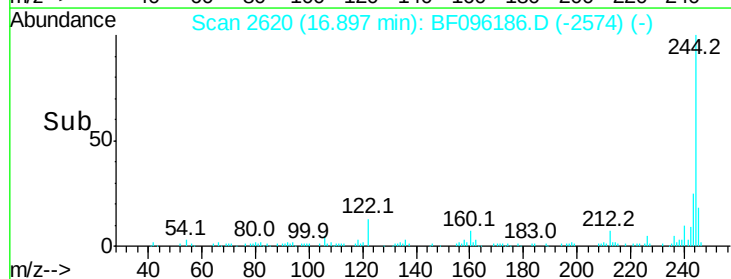
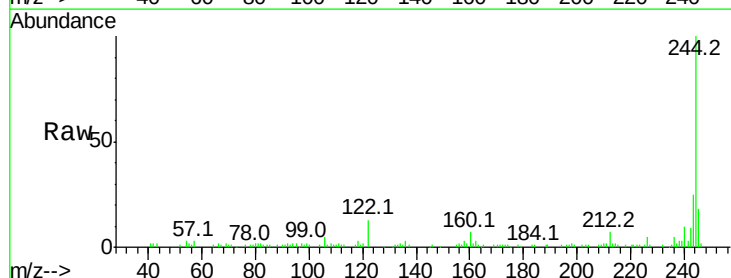
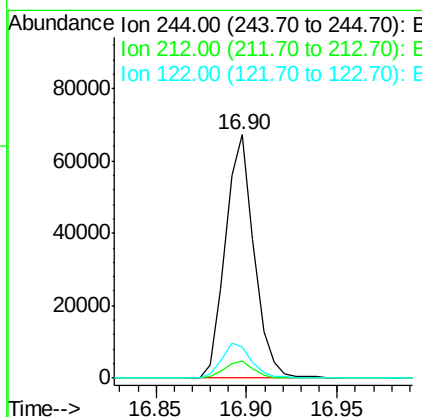
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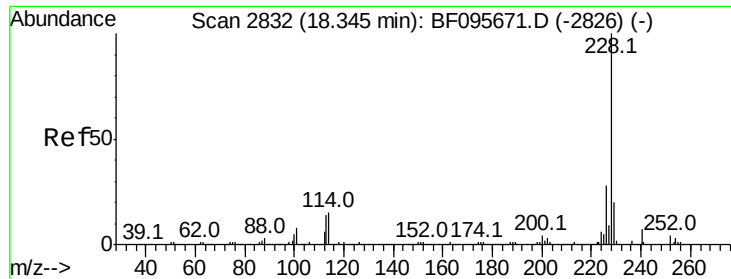
mohammad
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#78
Terphenyl-d14
Concen: 12.86 ng
RT: 16.90 min Scan# 2620
Delta R.T. -0.03 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.7	10.3	15.5





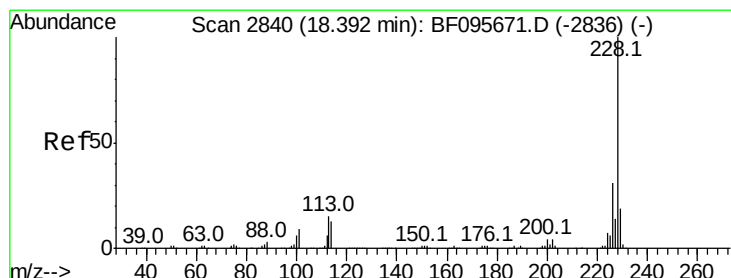
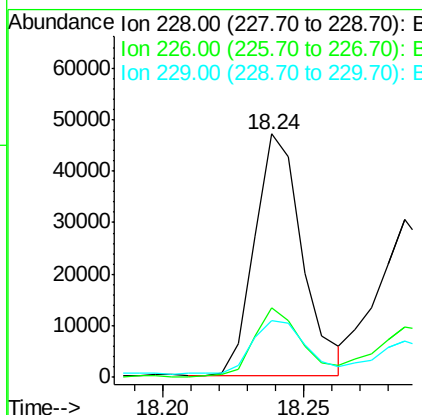
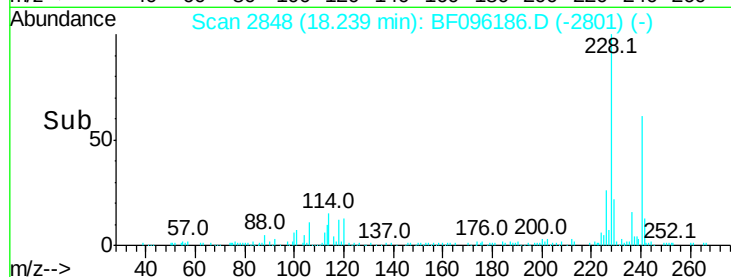
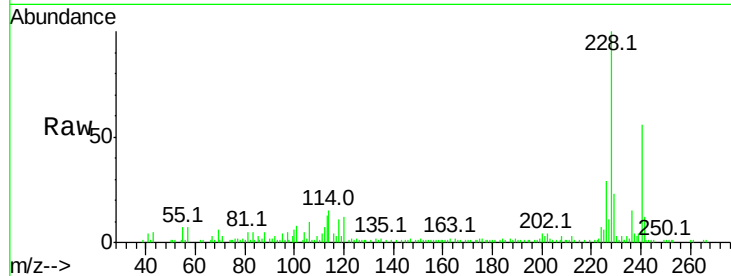
#80
Benzo(a)anthracene
Concen: 6.65 ng
RT: 18.24 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	23.4	16.3	24.5

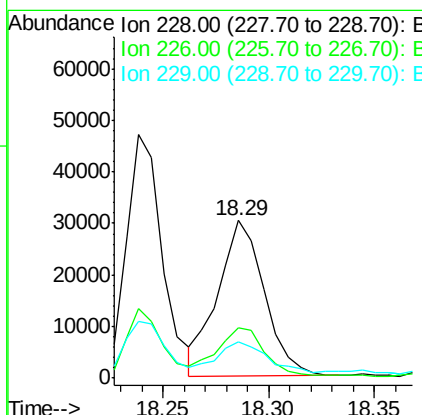
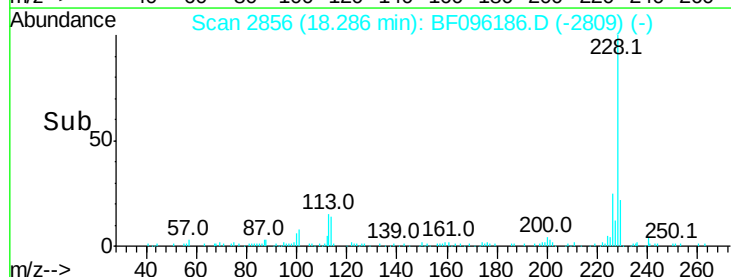
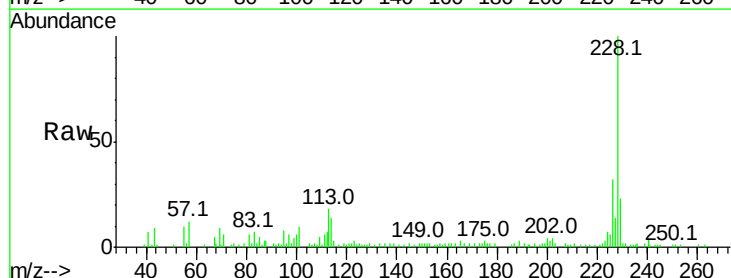
Manual Integrations
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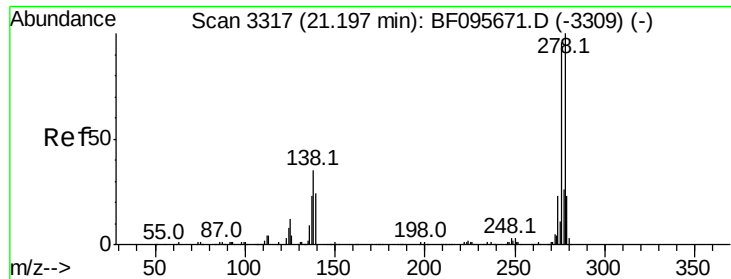
mohammad
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#82
Chrysene
Concen: 5.55 ng
RT: 18.29 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	22.9	15.8	23.6





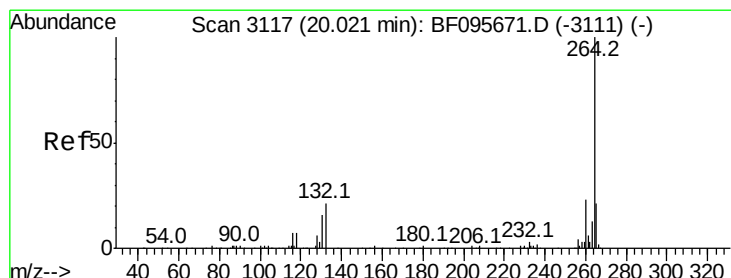
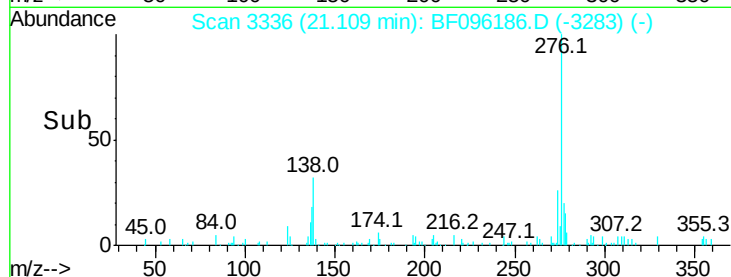
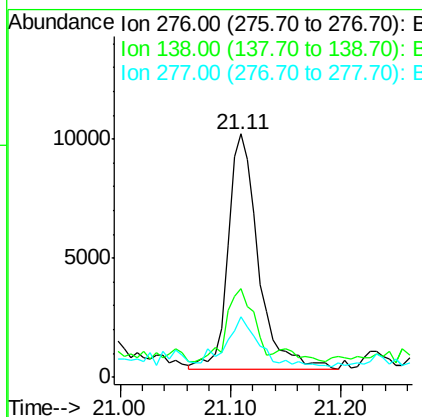
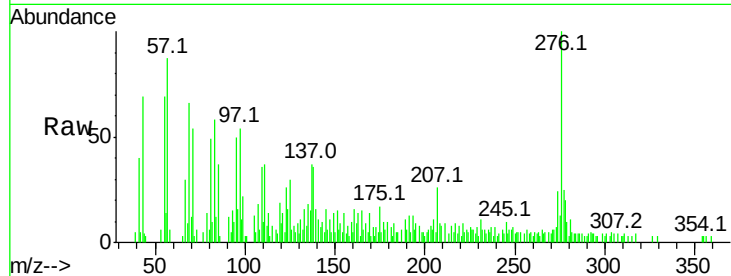
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampled :
HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	27.8	41.6
277	18.5	20.2	30.4

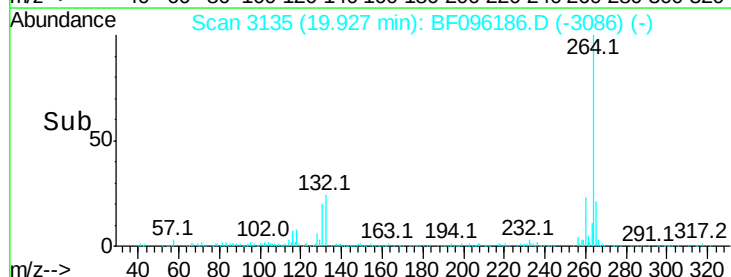
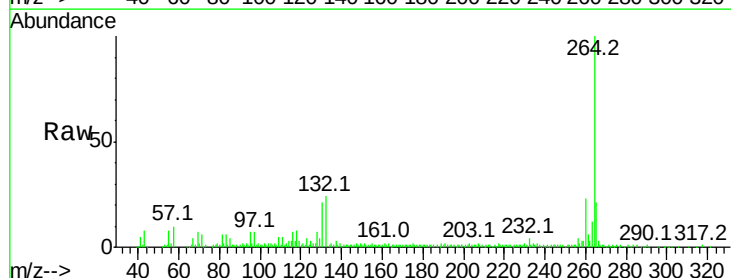
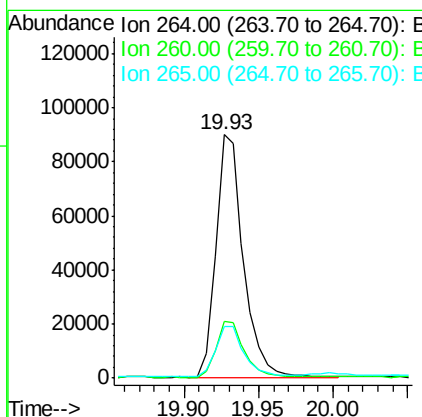
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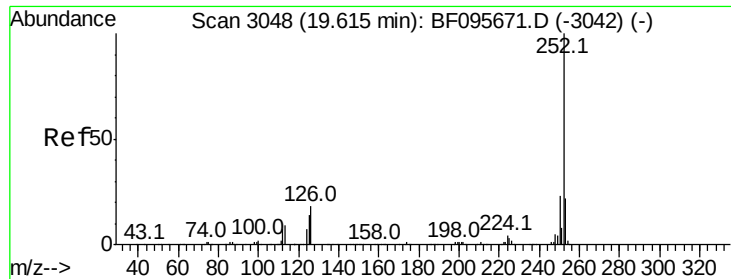
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.3	17.2	25.8





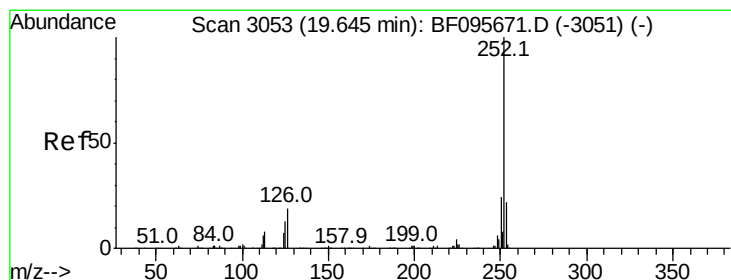
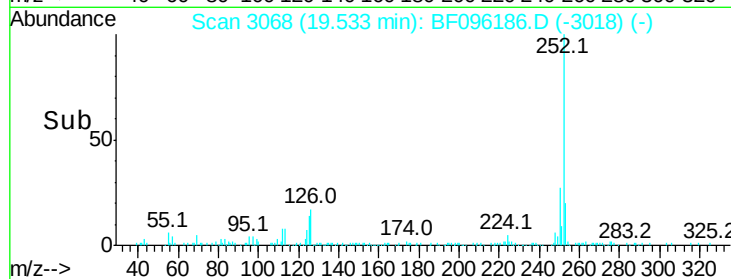
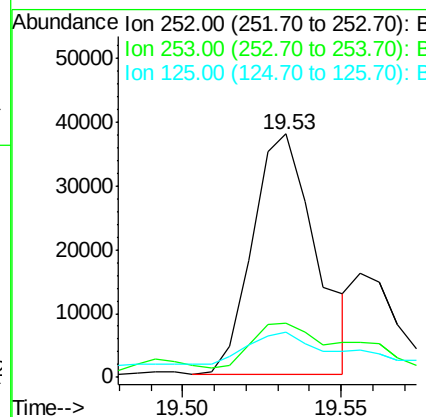
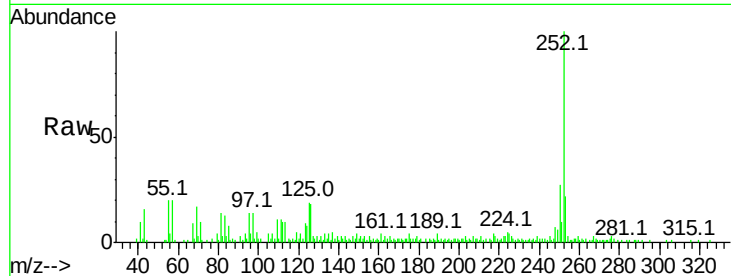
#87
Benzo(b)fluoranthene
Concen: 7.13 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	18.7	9.8	14.8

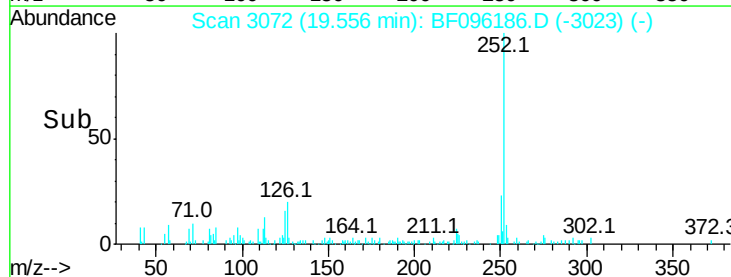
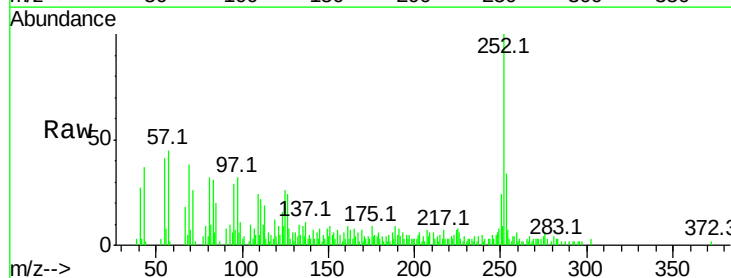
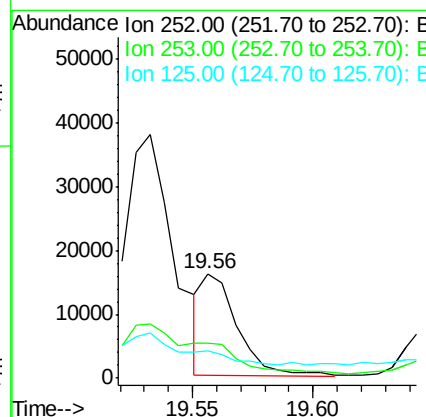
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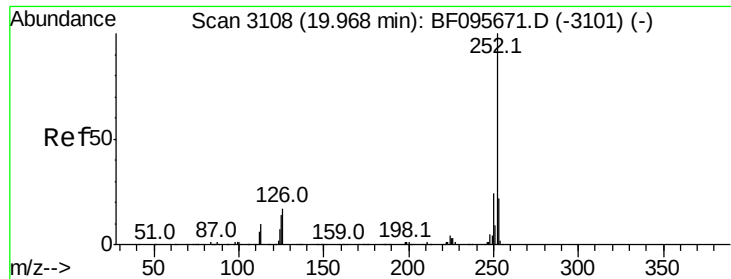
mohammad
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#88
Benzo(k)fluoranthene
Concen: 2.35 ng m
RT: 19.56 min Scan# 3072
Delta R.T. -0.01 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	18.4	27.6
125	26.4	13.1	19.7





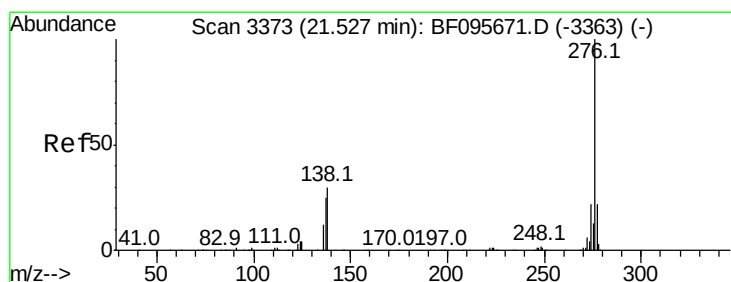
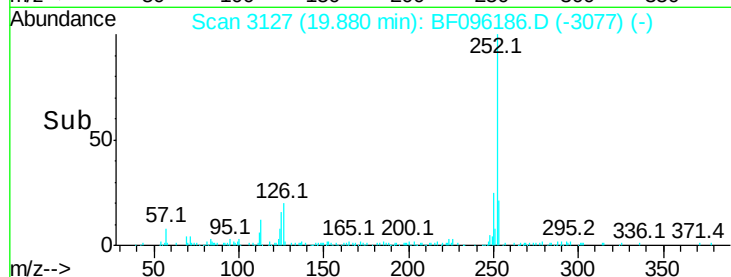
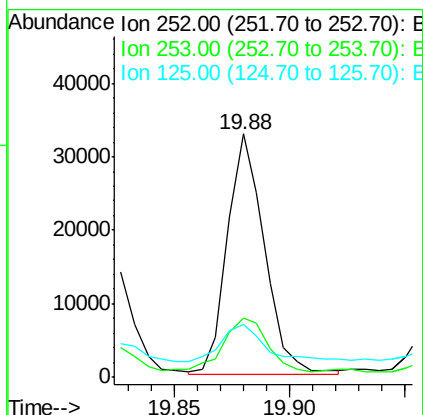
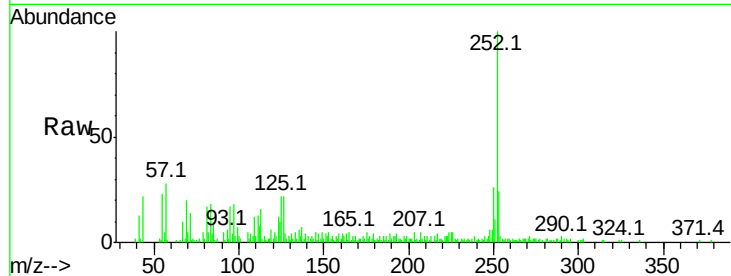
#89
Benzo(a)pyrene
Concen: 5.43 ng
RT: 19.88 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Instrument :
BNA_F
ClientSampleId :
HR-05-062217-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	21.6	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.66 ng
RT: 21.44 min Scan# 3392
Delta R.T. 0.02 min
Lab File: BF096186.D
Acq: 24 Jun 2017 12:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.0	18.6	28.0
138	34.6	25.4	38.0

