

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062717\
 Data File : BF096219.D
 Acq On : 27 Jun 2017 16:39
 Operator : SJ/MA
 Sample : I3920-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OB-1

Manual Integrations
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Quant Time: Jun 28 16:05:20 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	190152	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	810433	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	326554	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	415356	20.00	ng	0.01
75) Chrysene-d12	13.94	240	227319	20.00	ng	0.02
86) Perylene-d12	15.36	264	295369	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1193398	90.42	ng	0.01
7) Phenol-d6	6.40	99	1454784	91.03	ng	0.01
23) Nitrobenzene-d5	7.33	82	857091	73.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	185378	72.13	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1223548	68.62	ng	-0.02
78) Terphenyl-d14	12.87	244	643690	70.66	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	41059	2.337	ng	90
31) Naphthalene	8.09	128	2507223	64.188	ng	99
37) 2-Methylnaphthalene	8.77	142	858737	33.844	ng	99
45) 1,1'-Biphenyl	9.23	154	290646	11.600	ng	95
48) Acenaphthylene	9.67	152	403258	11.693	ng	98
49) Dimethylphthalate	9.53	163	271510	11.618	ng	98
51) Acenaphthene	9.85	154	920162	45.336	ng	99
54) Dibenzofuran	10.02	168	1444651	54.509	ng	95
57) Fluorene	10.36	166	1293790	79.272	ng	98
70) Phenanthrene	11.34	178	6217591	350.607	ng	100
71) Anthracene	11.38	178	2398189	103.319	ng	99
72) Carbazole	11.52	167	1245895	48.621	ng	99
74) Fluoranthene	12.53	202	5473662	237.234	ng	100
77) Pyrene	12.76	202	4528730	242.417	ng	98
80) Benzo(a)anthracene	13.93	228	2812305	202.953	ng	98
82) Chrysene	13.97	228	2275457m	158.772	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	20548	2.209	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.77	276	1296357	108.969	ng	96
87) Benzo(b)fluoranthene	14.97	252	2895136m	149.208	ng	
88) Benzo(k)fluoranthene	14.99	252	1000045m	56.455	ng	
89) Benzo(a)pyrene	15.32	252	2159835	126.027	ng	97
90) Dibenzo(a,h)anthracene	16.78	278	333601m	24.860	ng	
91) Benzo(g,h,i)perylene	17.20	276	1233075	88.402	ng	99

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

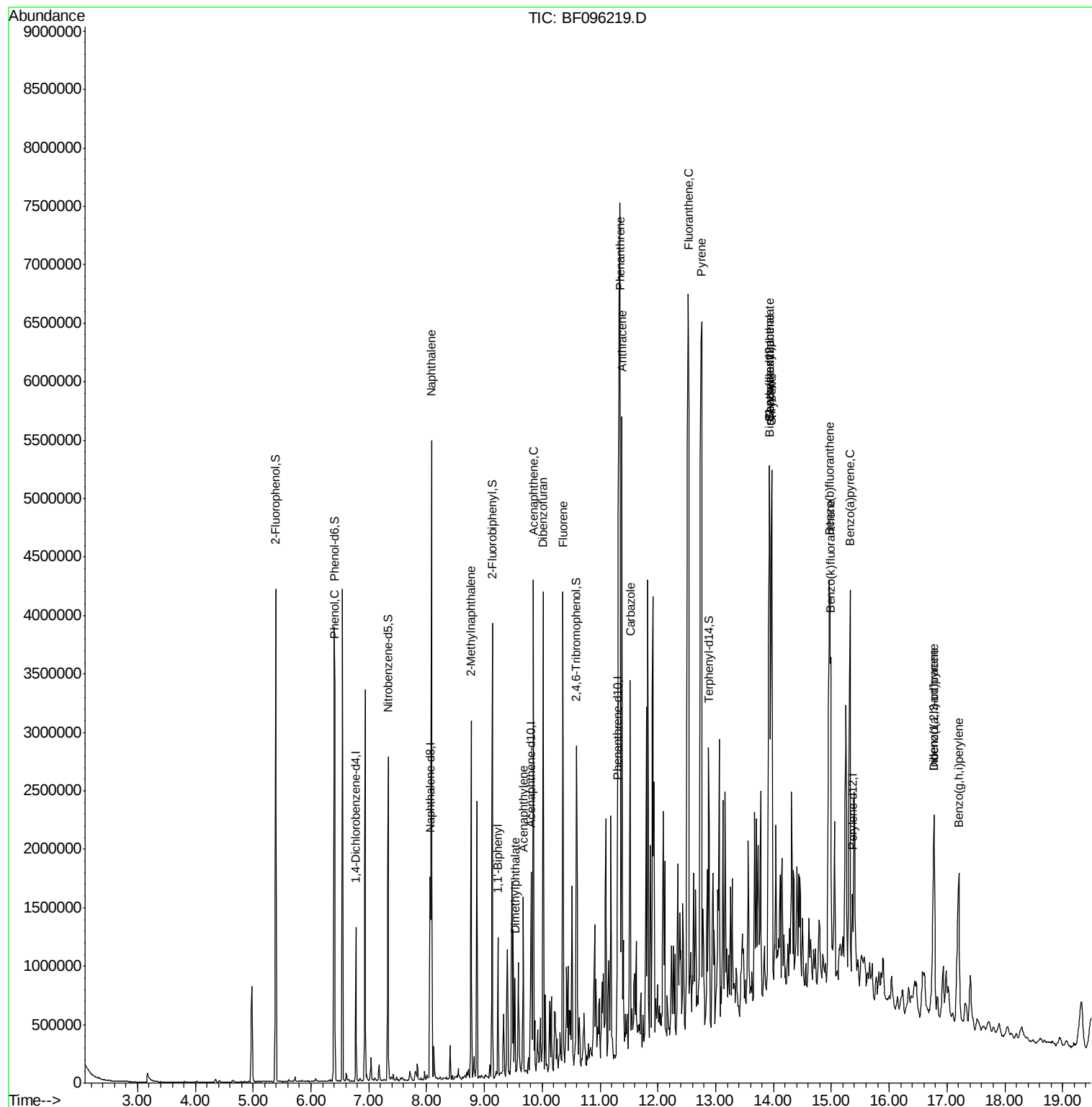
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

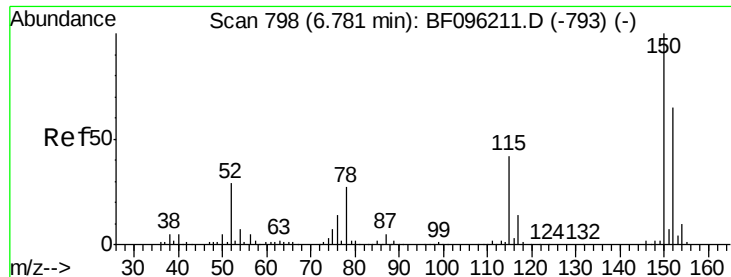
Instrument :
BNA_F
ClientSampleId :
OB-1

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Quant Time: Jun 28 16:05:20 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

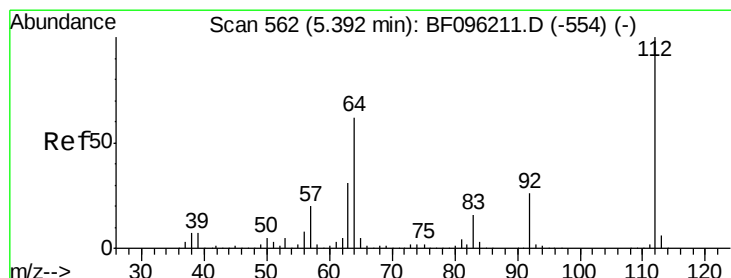
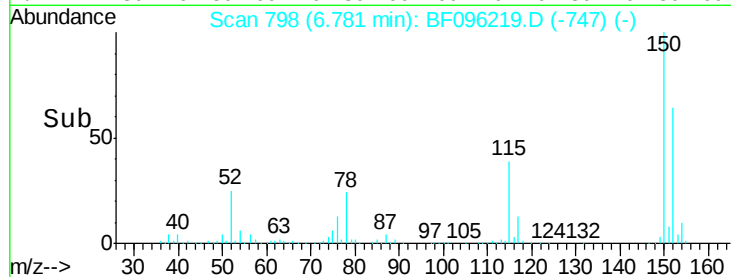
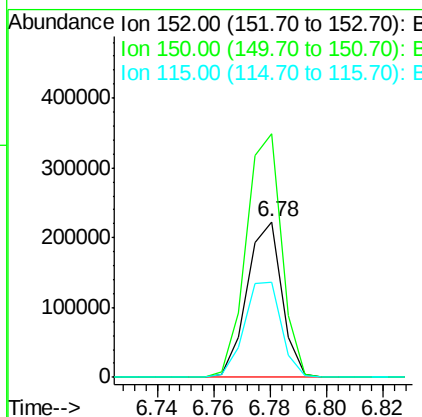
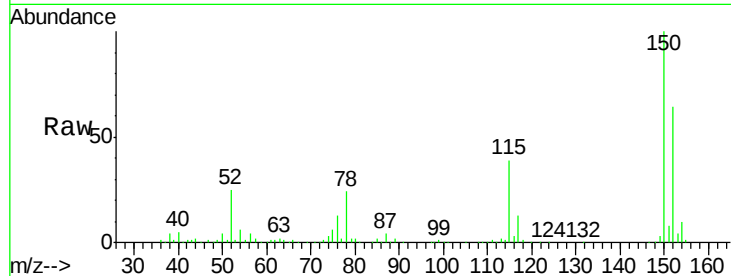
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Instrument :
BNA_F
ClientSampled :
OB-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	61.4	52.2	78.2

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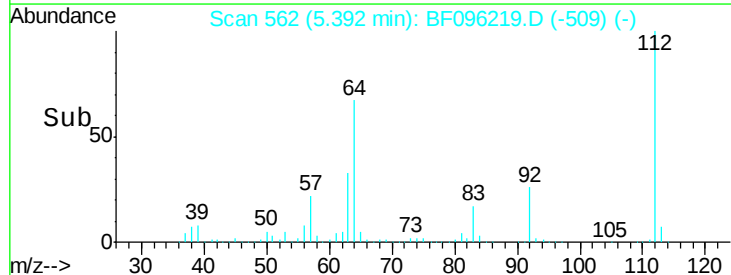
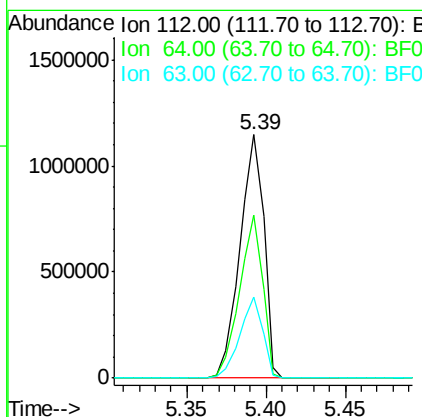
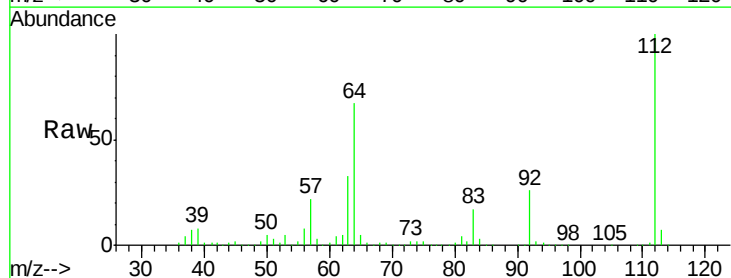
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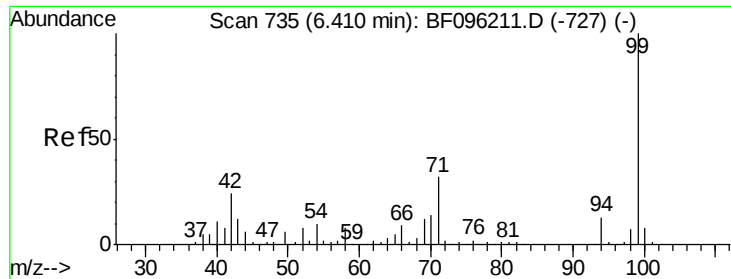


#5

2-Fluorophenol
Concen: 90.418 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 91.026 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

ClientSampleId :

OB-1

Tgt Ion: 99 Resp: 1454784

Ion Ratio Lower Upper

99 100

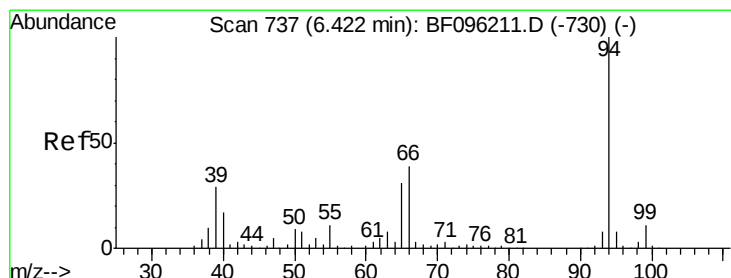
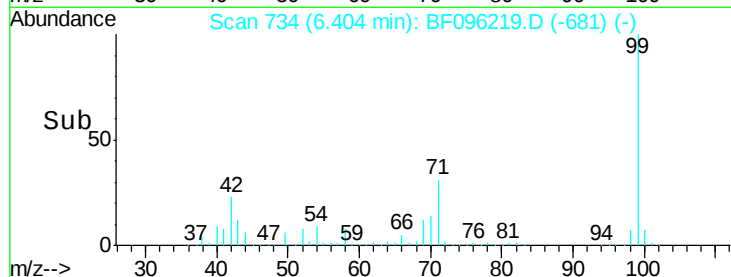
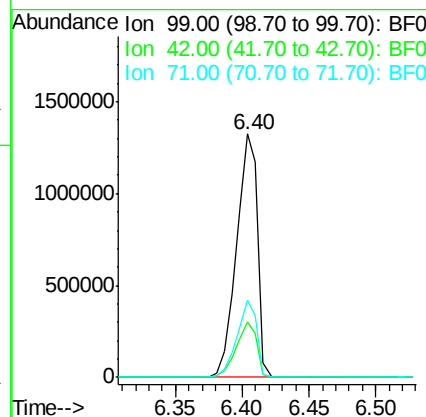
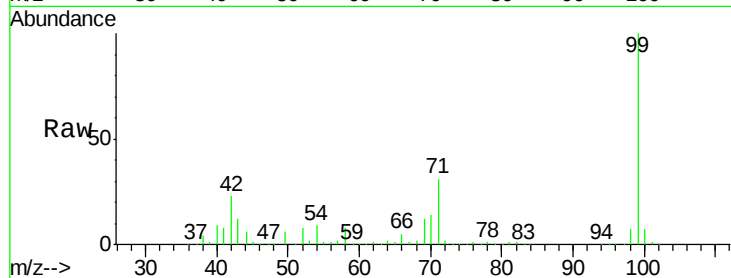
42 22.8 13.5 20.3#

71 31.5 24.5 36.7

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#10

Phenol

Concen: 2.337 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

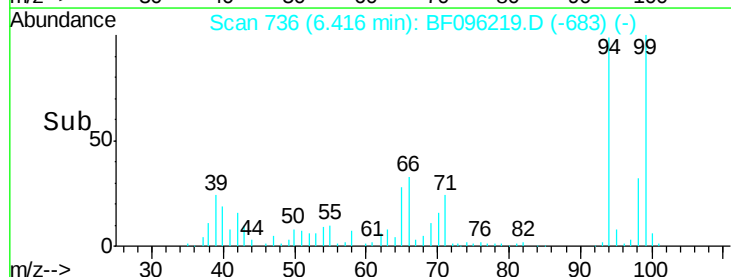
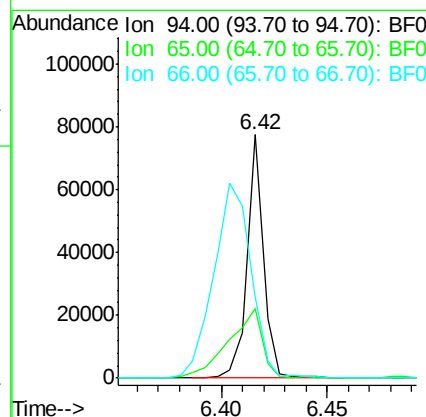
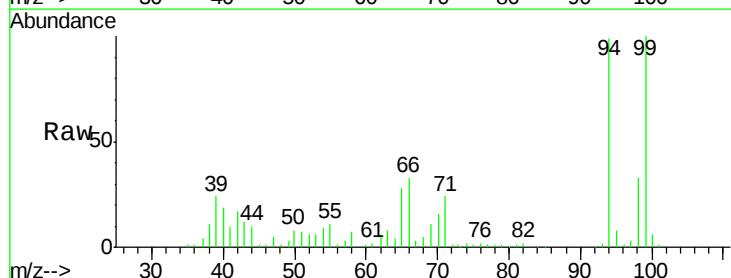
Tgt Ion: 94 Resp: 41059

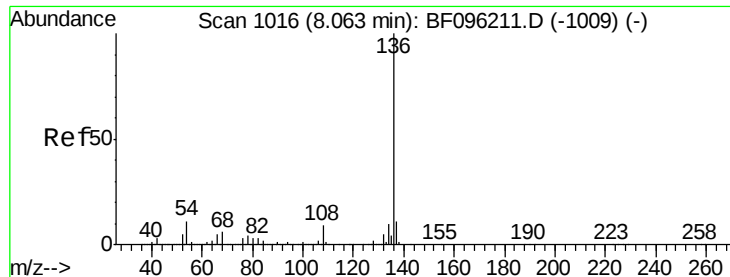
Ion Ratio Lower Upper

94 100

65 28.3 9.9 49.9

66 33.4 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

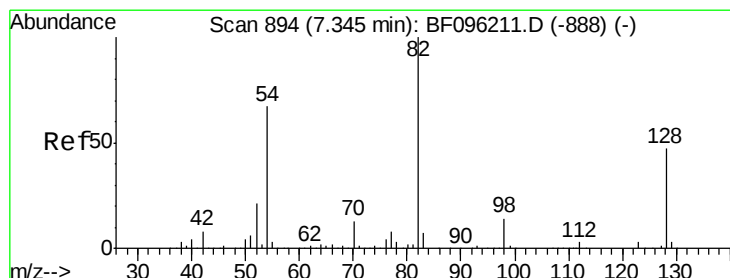
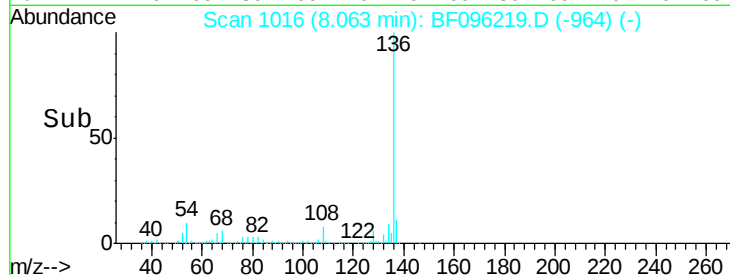
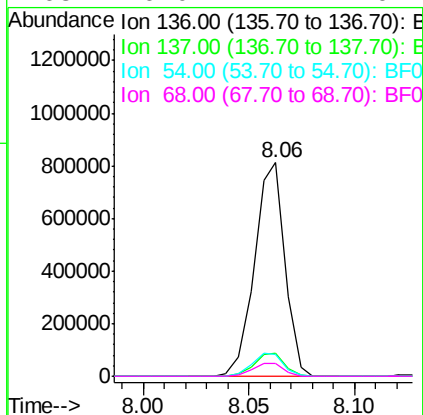
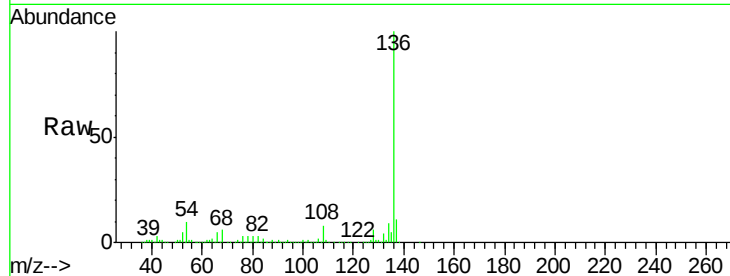
ClientSampleId :

OB-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.6	8.5	12.7
54	9.9	4.9	7.3#
68	6.0	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 73.211 ng

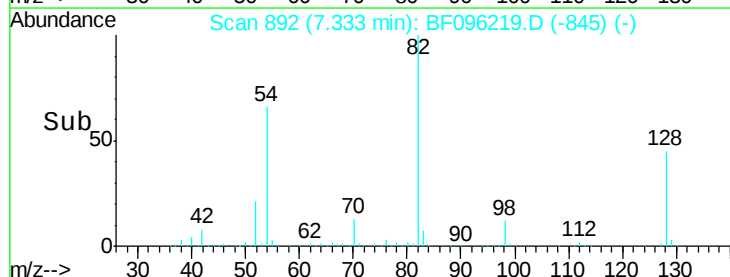
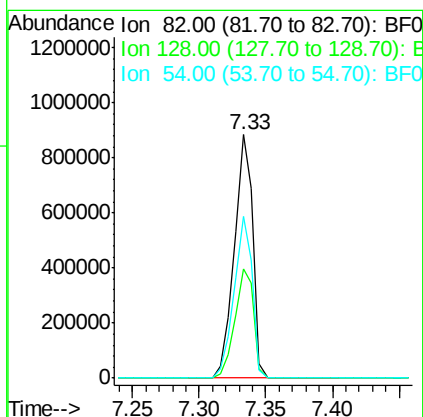
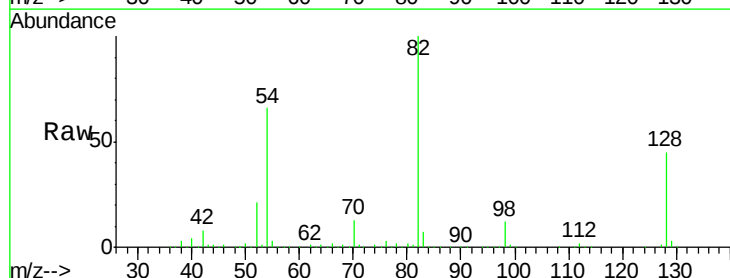
RT: 7.33 min Scan# 892

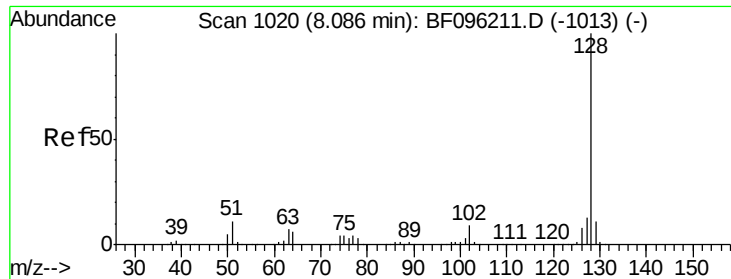
Delta R.T. -0.02 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	44.8	34.0	51.0
54	66.2	42.2	63.2#





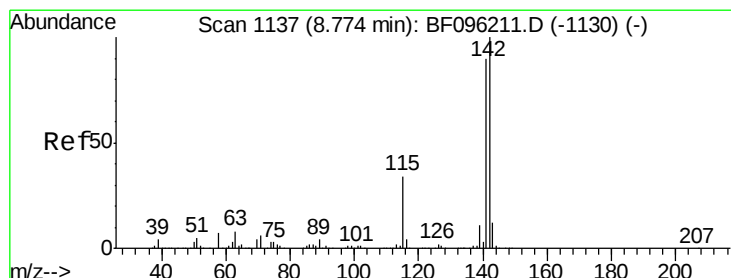
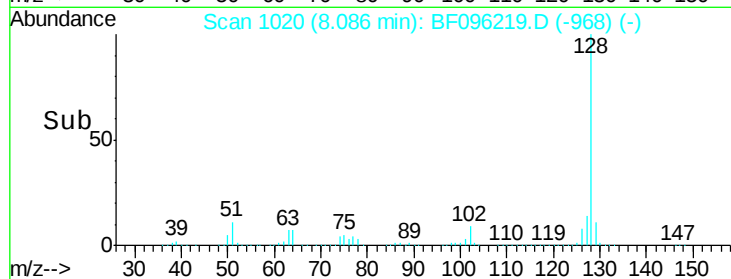
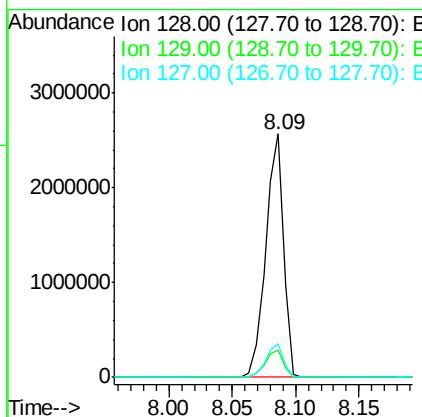
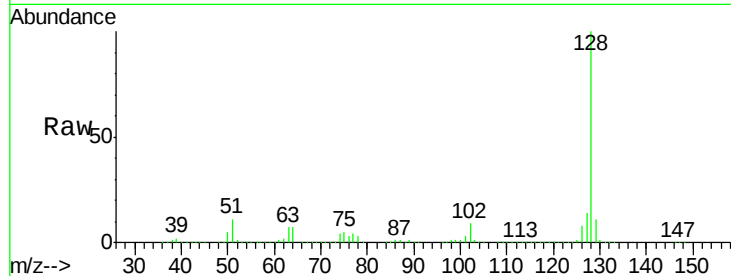
#31
Naphthalene
Concen: 64.188 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Instrument :
BNA_F
ClientSampleId :
OB-1

Tgt Ion:128 Resp: 2507223
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.9 10.8 16.2

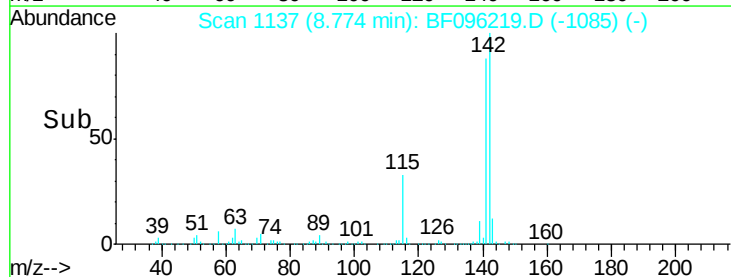
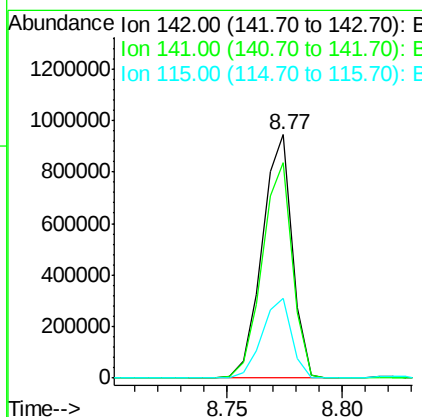
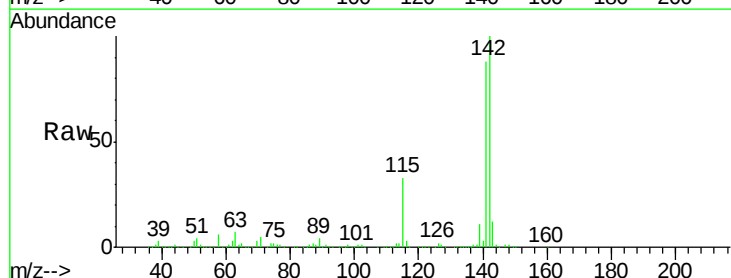
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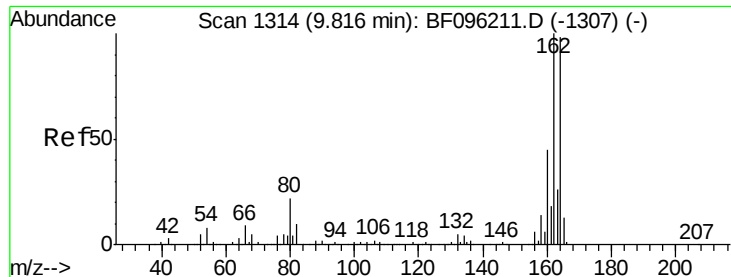
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#37
2-Methylnaphthalene
Concen: 33.844 ng
RT: 8.77 min Scan# 1137
Delta R.T. 0.01 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Tgt Ion:142 Resp: 858737
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9
115 32.6 27.1 40.7





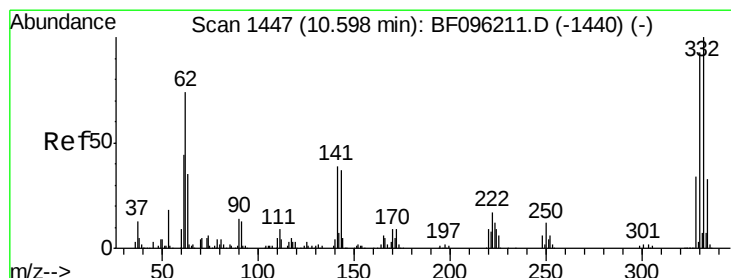
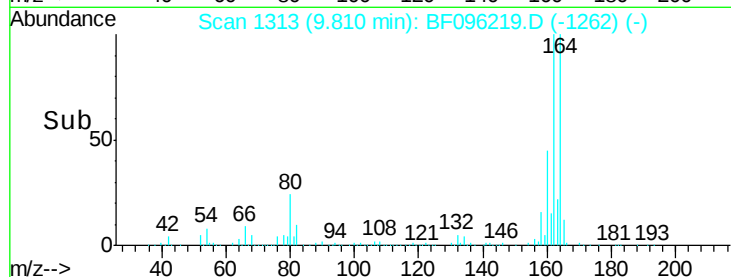
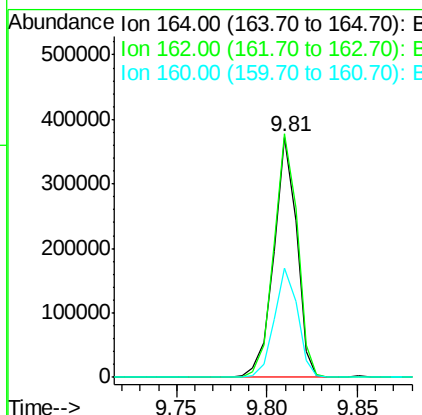
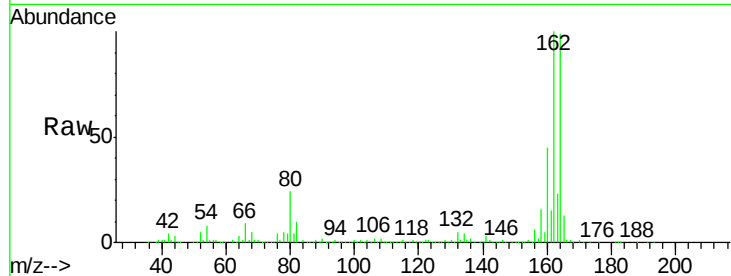
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Instrument :
 BNA_F
 ClientSampleID :
 OB-1

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	326554	82.6	123.8
160	45.3		36.2	54.2

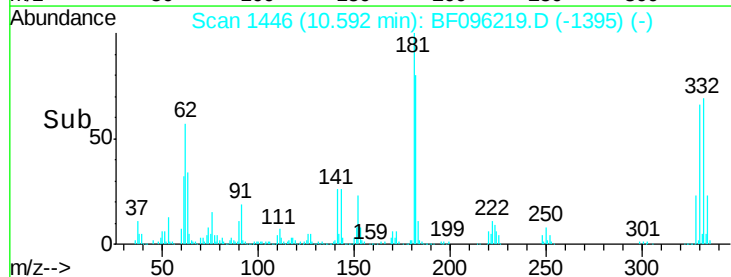
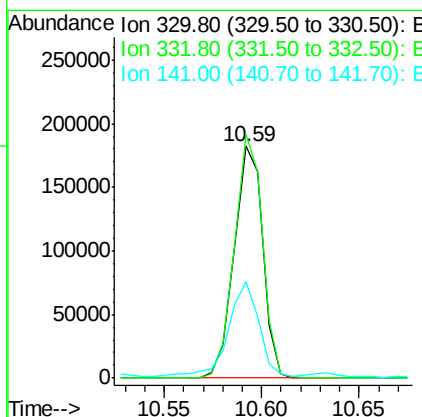
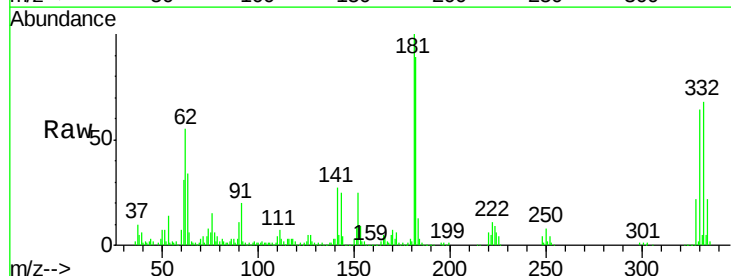
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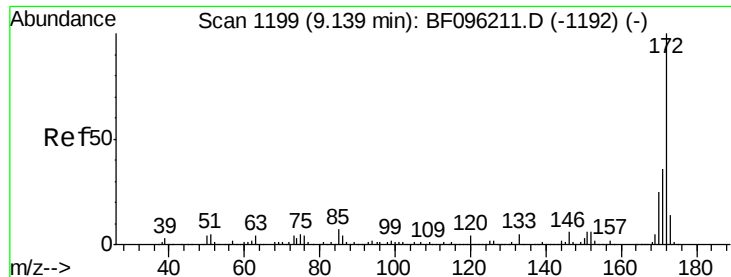
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#41
 2,4,6-Tribromophenol
 Concen: 72.133 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	185378		
332	102.8		76.6	115.0
141	43.4		31.4	47.2





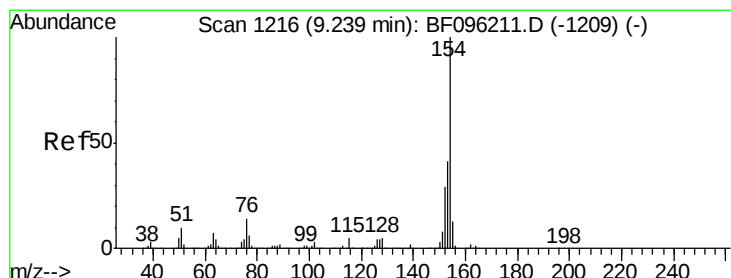
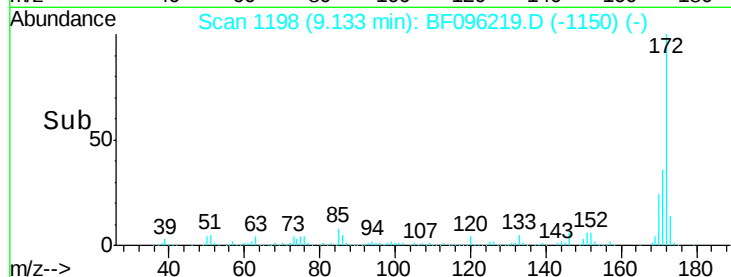
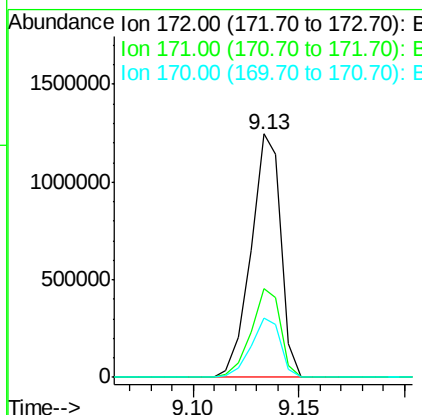
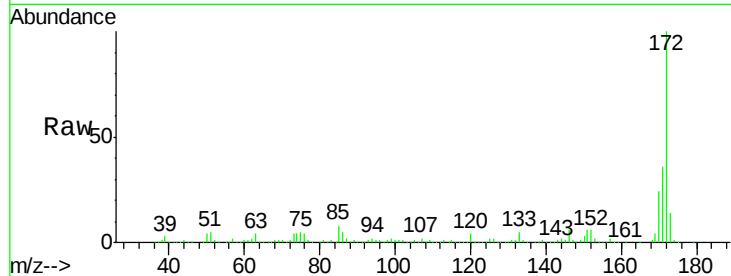
#44
 2-Fluorobiphenyl
 Concen: 68.618 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 OB-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.4	19.8	29.8

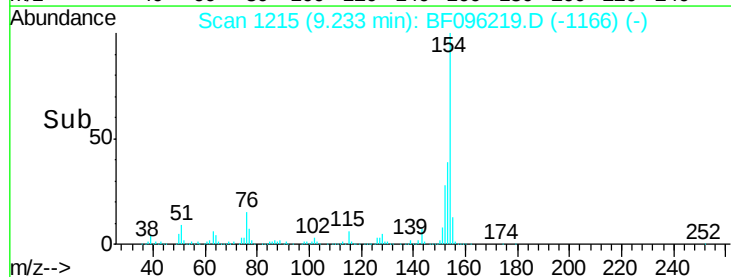
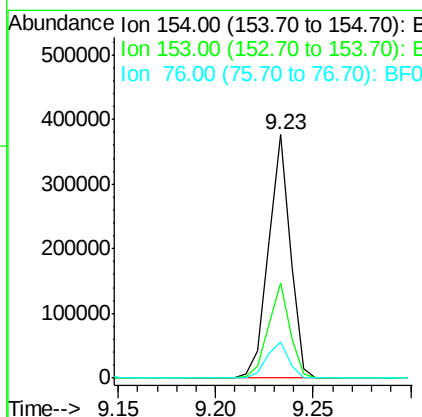
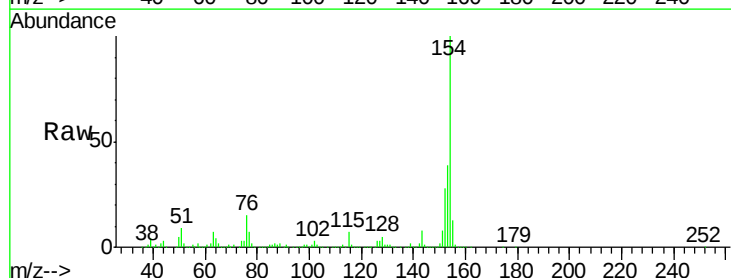
Manual Integrations
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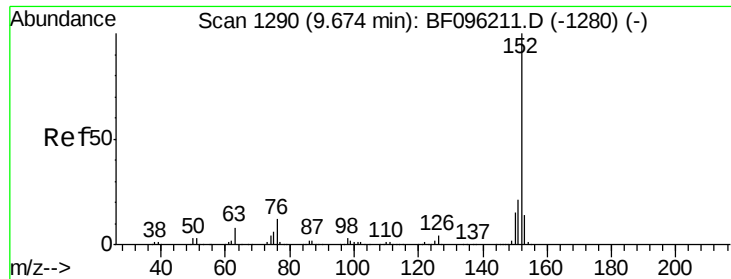
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#45
 1,1'-Biphenyl
 Concen: 11.600 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.2	61.2
76	15.1	0.0	29.9





#48

Acenaphthylene

Concen: 11.693 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

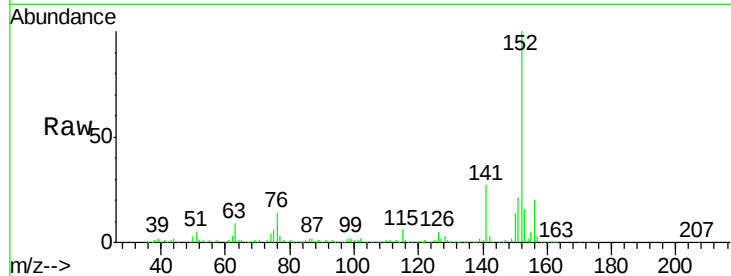
ClientSampleId :

OB-1

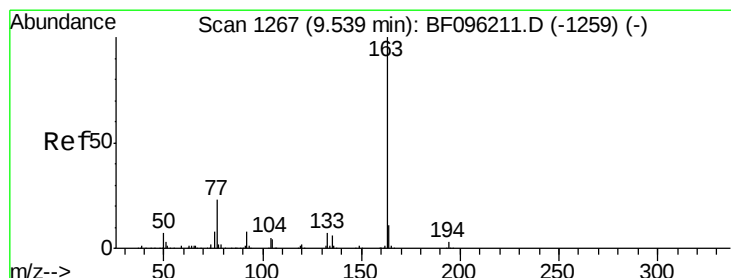
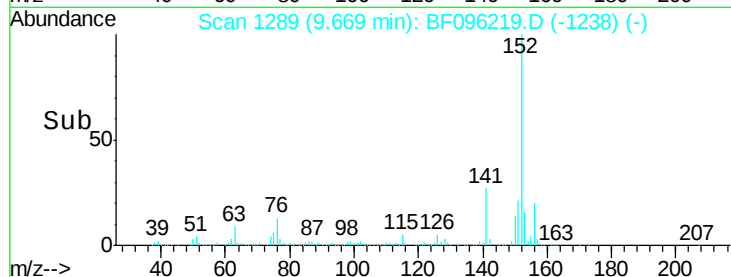
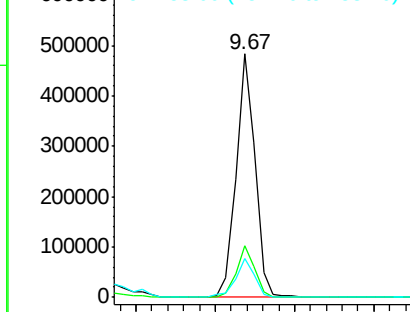
Tgt Ion:	152	Resp:	403258
Ion Ratio		Lower	Upper
152	100		
151	21.0	16.8	25.2
153	15.9	10.8	16.2

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.618 ng

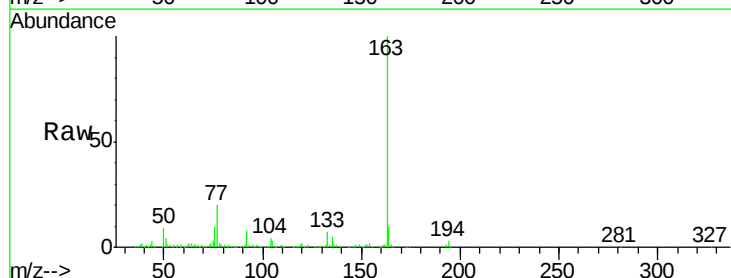
RT: 9.53 min Scan# 1265

Delta R.T. -0.00 min

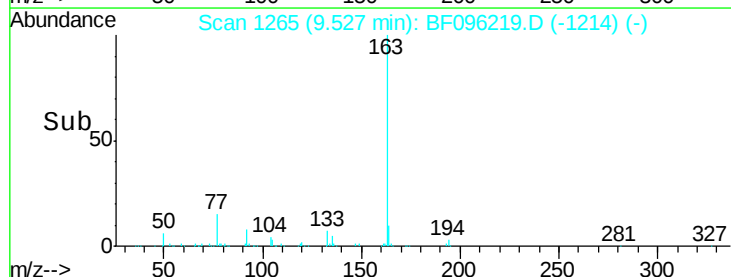
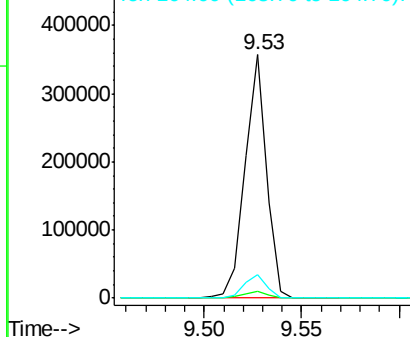
Lab File: BF096219.D

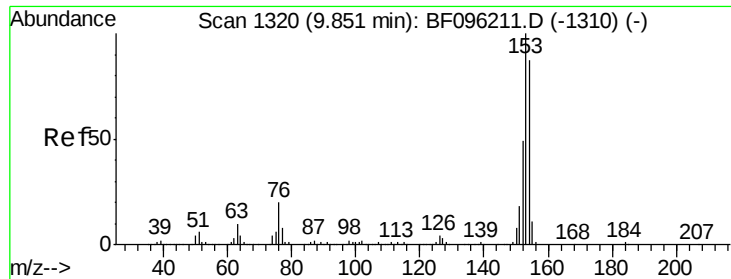
Acq: 27 Jun 2017 16:39

Tgt Ion:	163	Resp:	271510
Ion Ratio		Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.8	8.4	12.6



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





#51

Acenaphthene

Concen: 45.336 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF096219.D

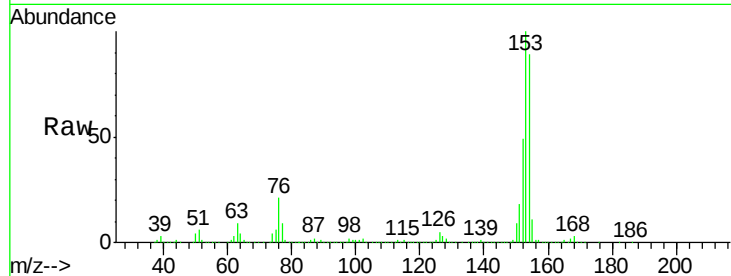
Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

ClientSampled :

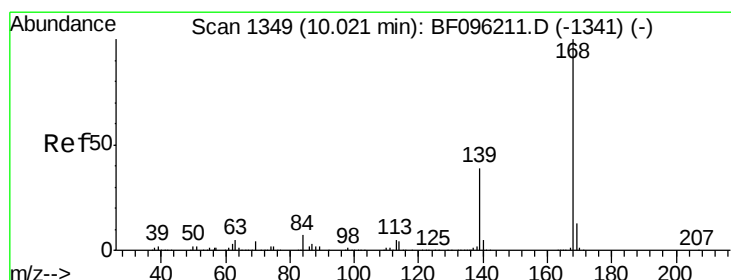
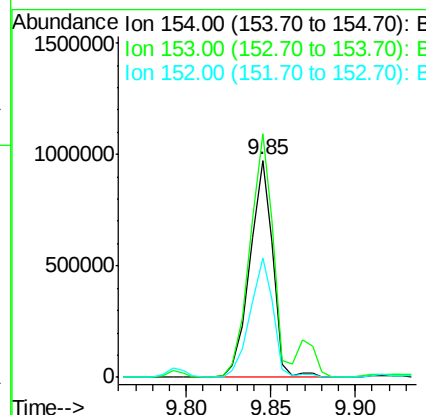
OB-1



Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	55.2	43.6	65.4

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#54

Dibenzofuran

Concen: 54.509 ng

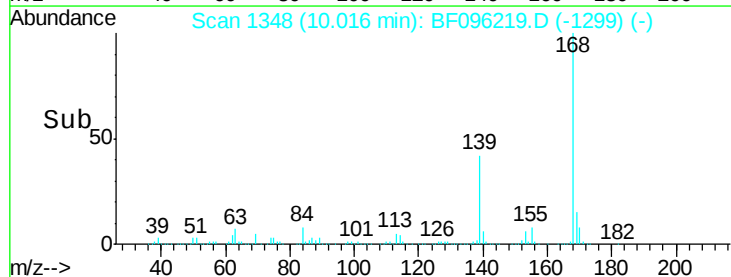
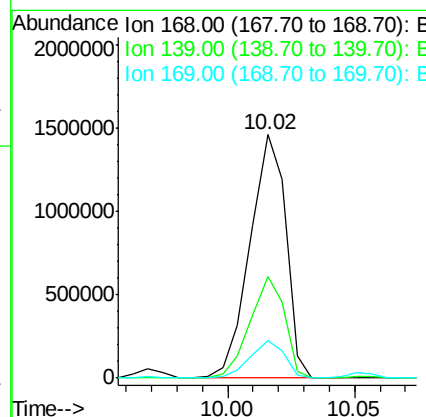
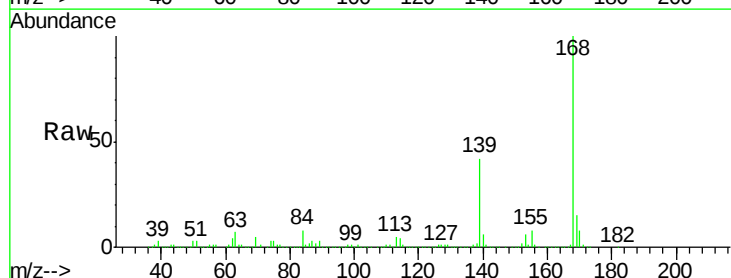
RT: 10.02 min Scan# 1348

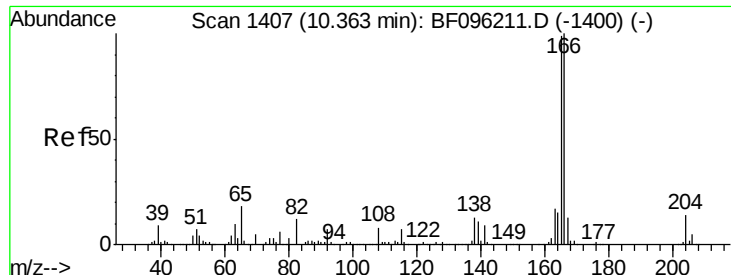
Delta R.T. -0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.7	30.6	45.8
169	15.2	10.8	16.2





#57

Fluorene

Concen: 79.272 ng

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

ClientSampleId :

OB-1

Tgt Ion:166 Resp: 1293790

Ion Ratio Lower Upper

166 100

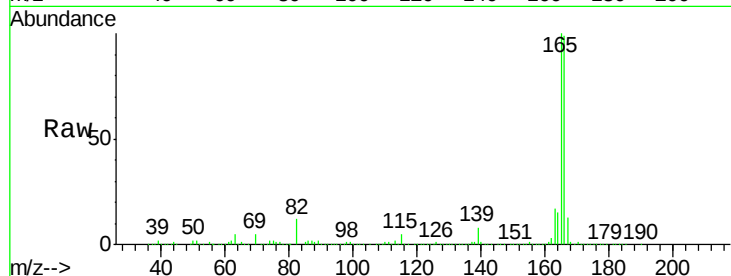
165 100.5 78.8 118.2

167 13.5 10.6 16.0

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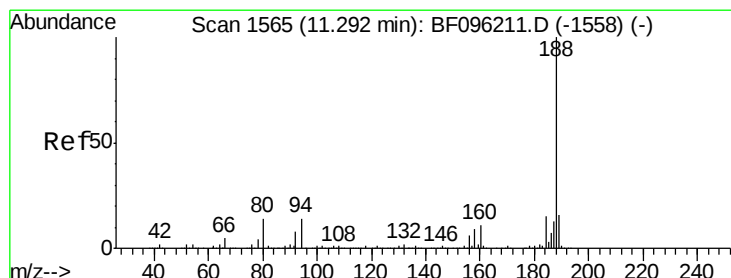
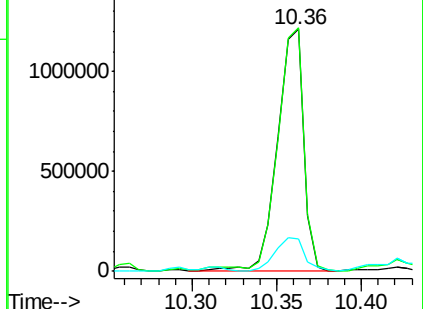
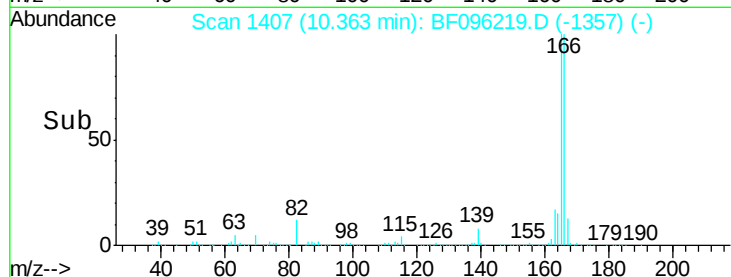
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

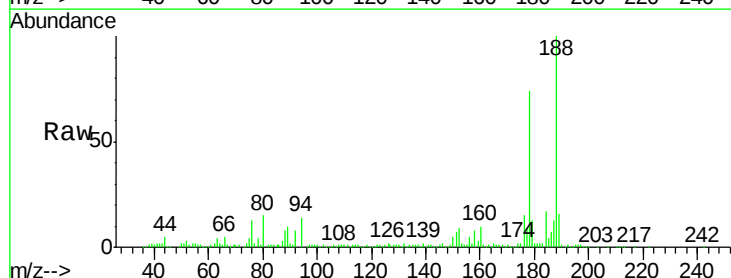
Tgt Ion:188 Resp: 415356

Ion Ratio Lower Upper

188 100

94 14.2 9.4 14.2#

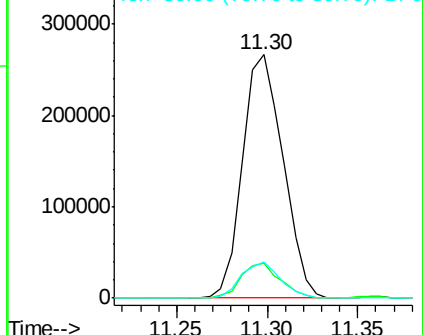
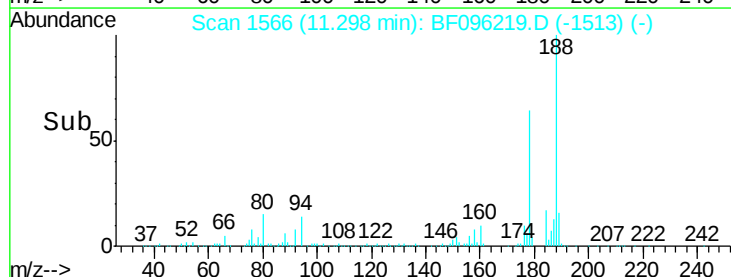
80 14.8 10.2 15.2

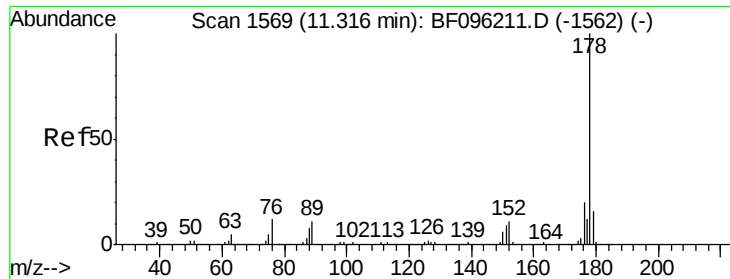


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





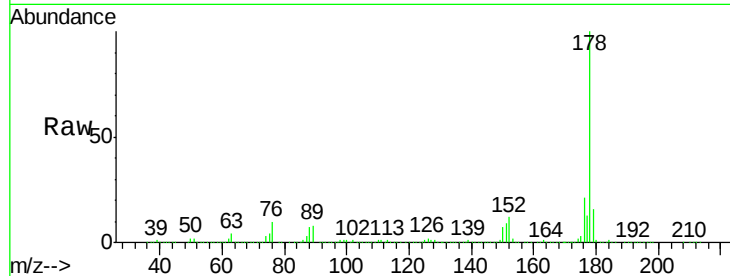
#70
Phenanthrene
Concen: 350.607 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.02 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Instrument :
BNA_F
ClientSampleId :
OB-1

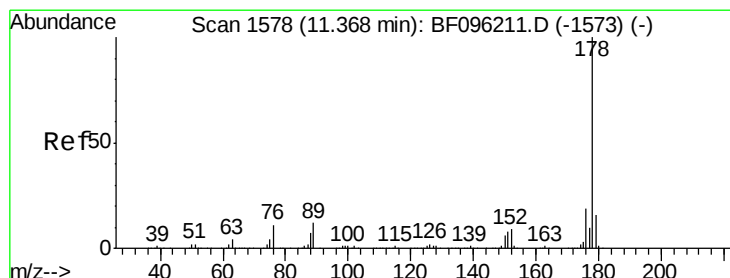
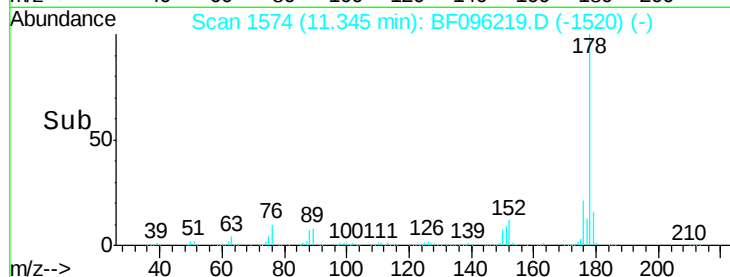
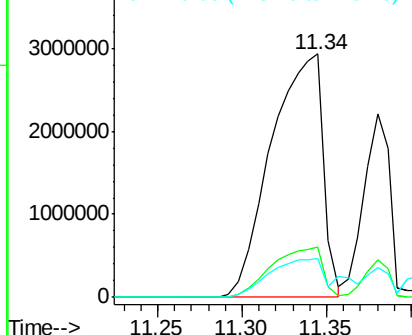
Tgt Ion:178 Resp: 6217591
Ion Ratio Lower Upper
178 100
176 20.6 16.2 24.4
179 15.8 12.6 19.0

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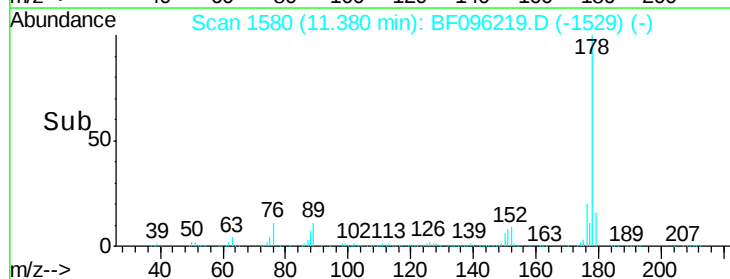
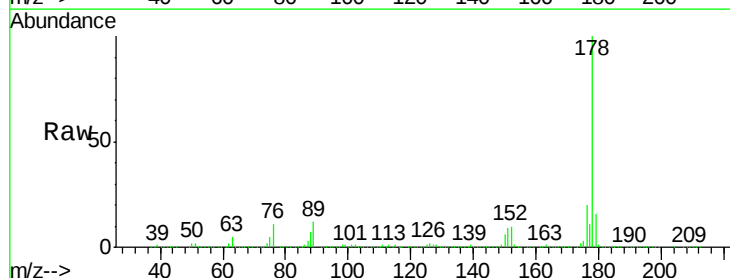
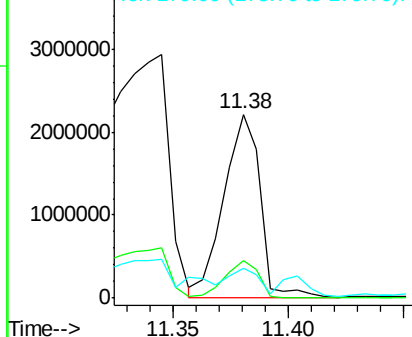
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

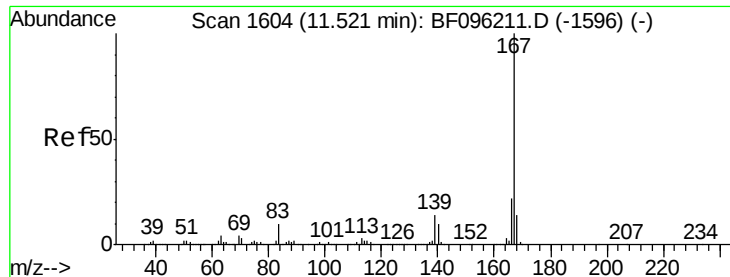


#71
Anthracene
Concen: 103.319 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Tgt Ion:178 Resp: 2398189
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 16.2 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: 48.621 ng

RT: 11.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

ClientSampleId :

OB-1

Tgt Ion:167 Resp: 1245895

Ion Ratio Lower Upper

167 100

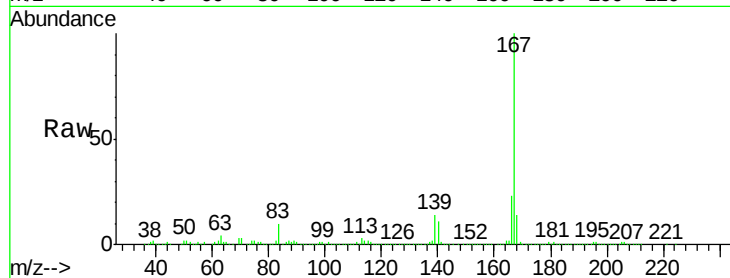
166 22.8 18.1 27.1

139 14.2 11.7 17.5

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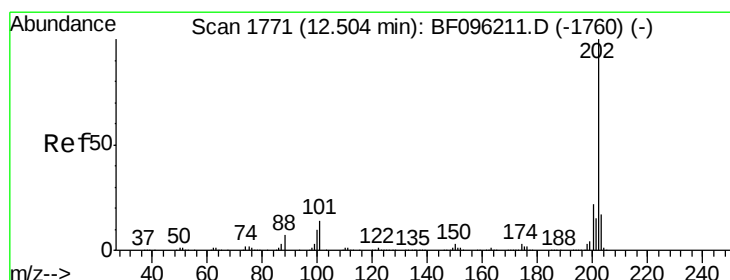
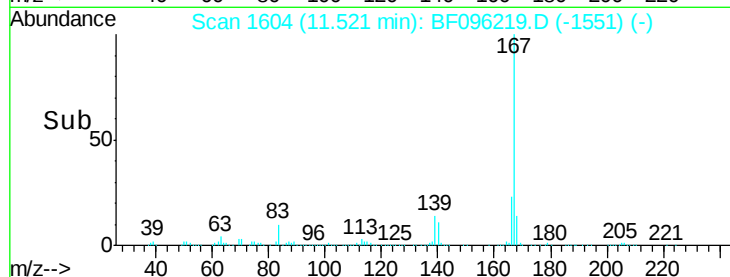
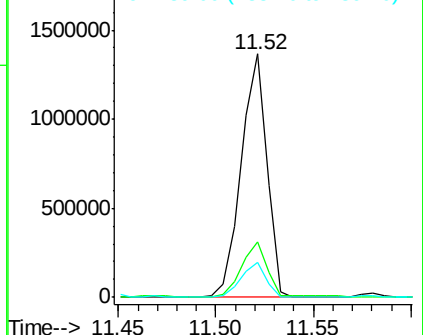
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 237.234 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.04 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

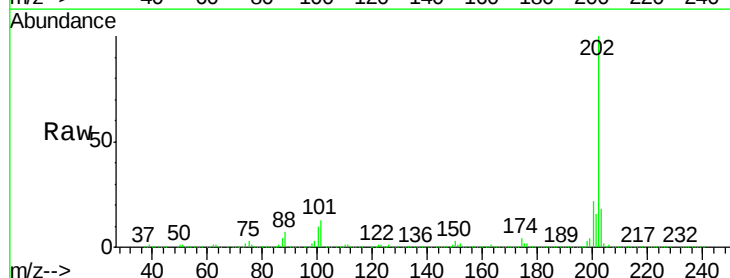
Tgt Ion:202 Resp: 5473662

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

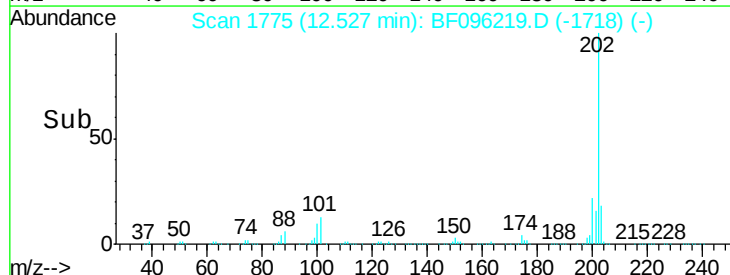
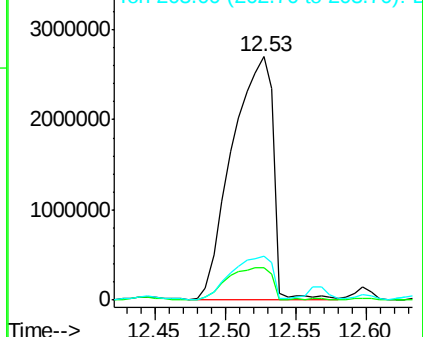
203 17.9 0.0 38.1

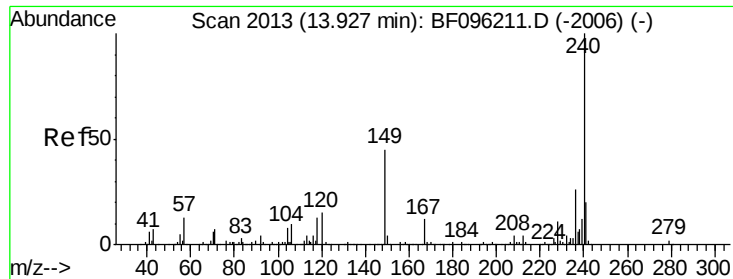


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.02 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

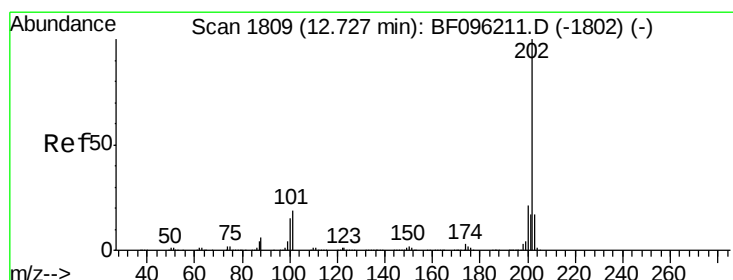
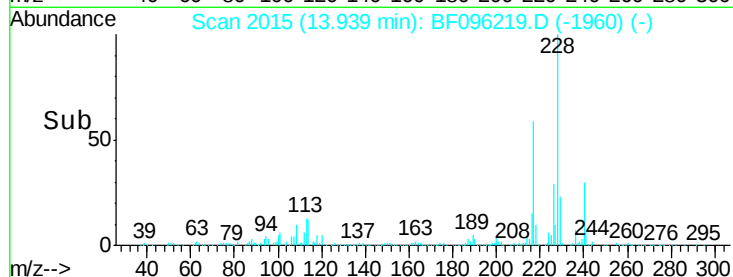
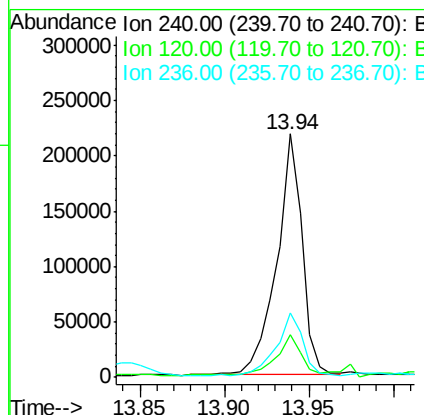
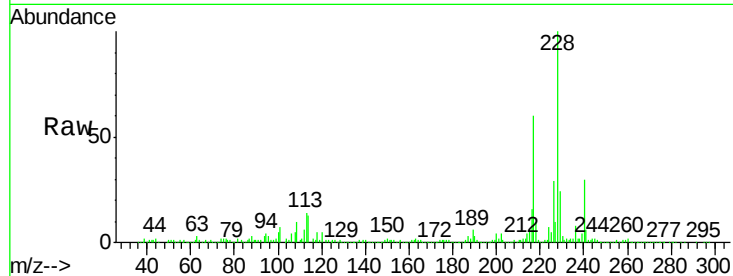
ClientSampled :

OB-1

Tgt Ion:240 Resp: 227319
 Ion Ratio Lower Upper
 240 100
 120 17.7 5.8 8.8#
 236 26.6 20.5 30.7

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#77

Pyrene

Concen: 242.417 ng

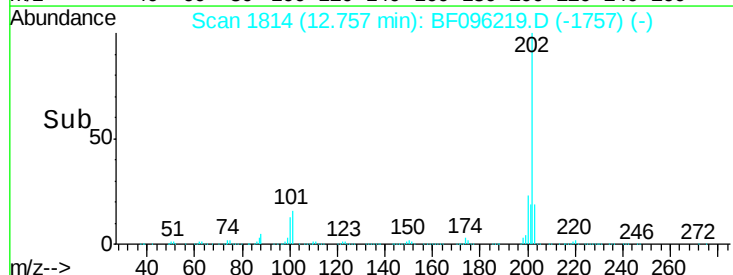
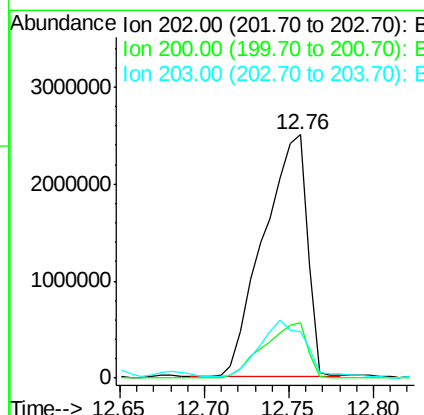
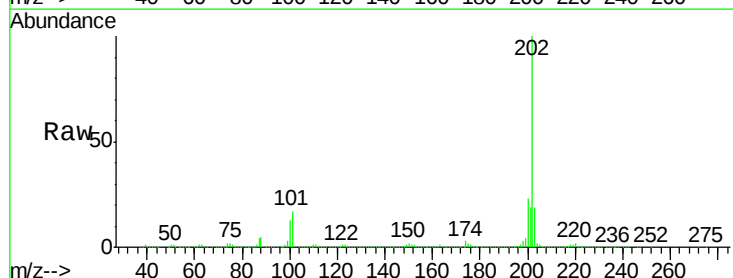
RT: 12.76 min Scan# 1814

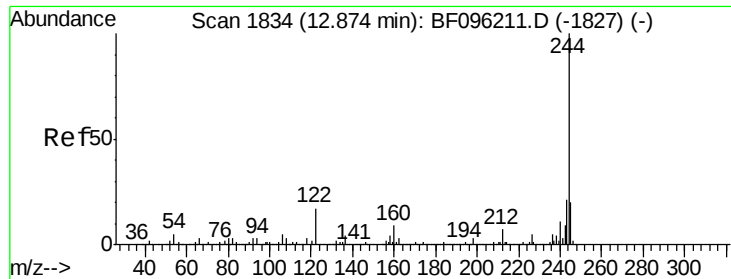
Delta R.T. 0.04 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Tgt Ion:202 Resp: 4528730
 Ion Ratio Lower Upper
 202 100
 200 22.8 17.6 26.4
 203 19.3 14.4 21.6





#78

Terphenyl-d14

Concen: 70.658 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

ClientSampleId :

OB-1

Tgt Ion:244 Resp: 643690

Ion Ratio Lower Upper

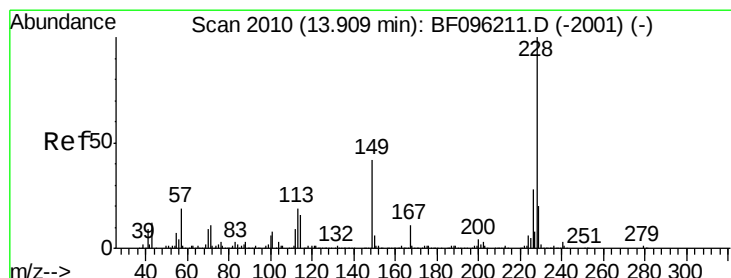
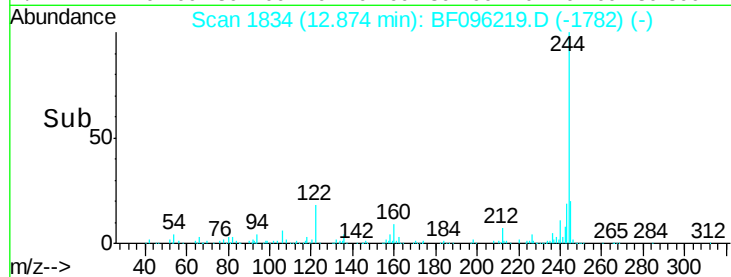
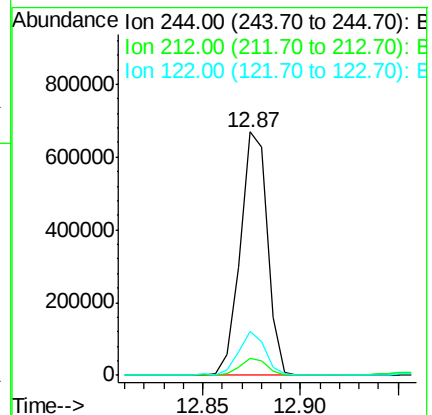
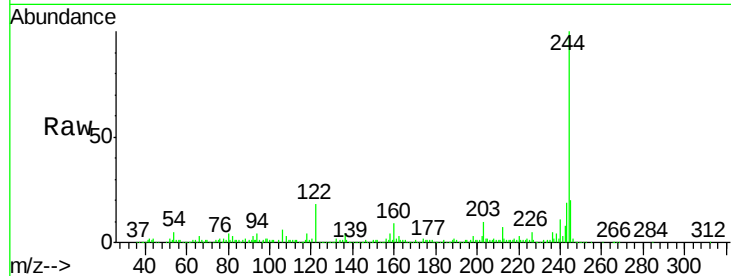
244 100

212 7.2 6.0 9.0

122 17.9 10.3 15.5#

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#80

Benzo(a)anthracene

Concen: 202.953 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

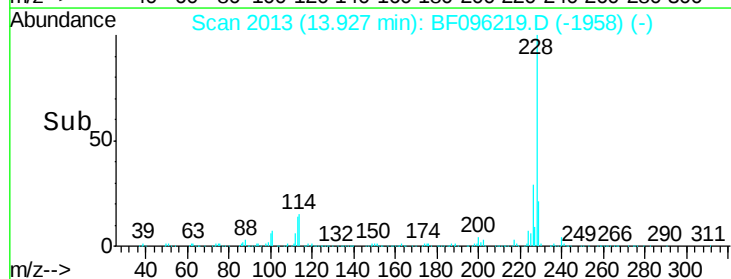
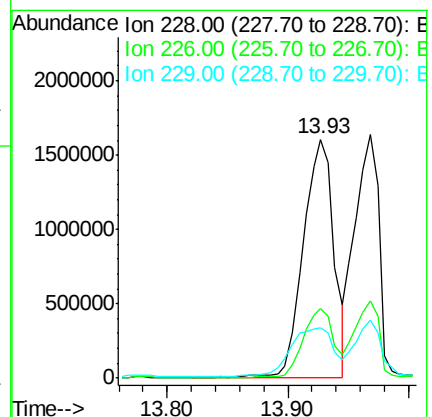
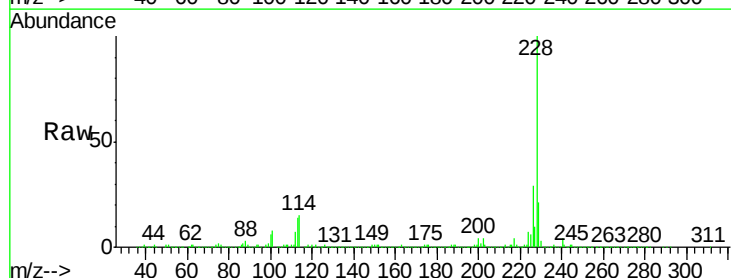
Tgt Ion:228 Resp: 2812305

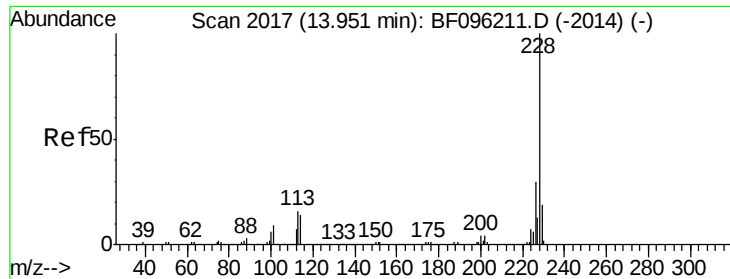
Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

229 21.2 16.3 24.5





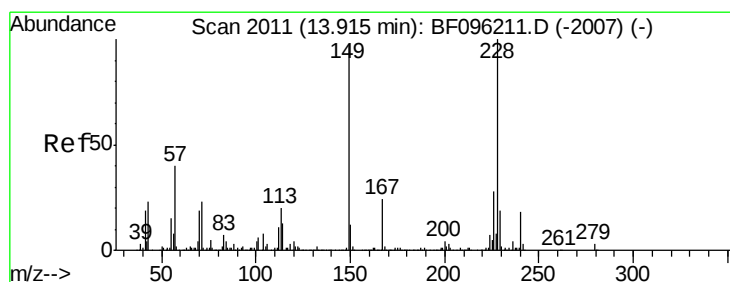
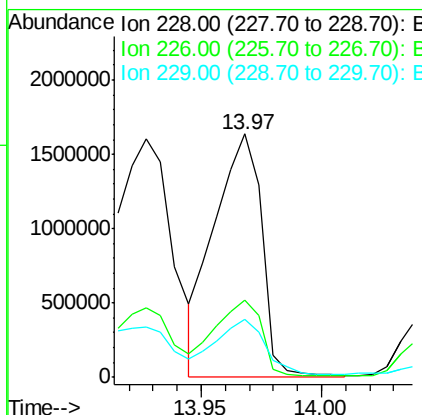
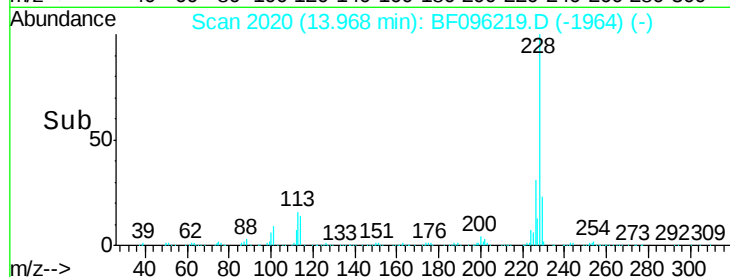
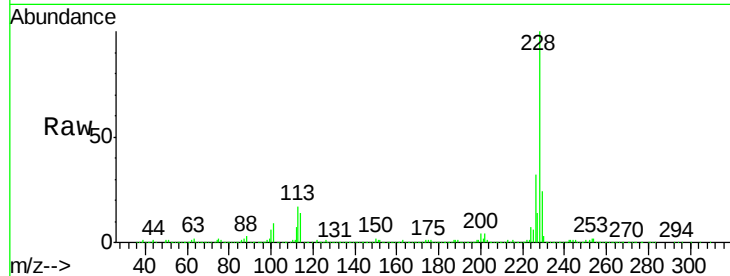
#82
Chrysene
Concen: 158.772 ng m
RT: 13.97 min Scan# 2020
Delta R.T. 0.03 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Instrument :
BNA_F
ClientSampleId :
OB-1

Tgt Ion:228 Resp: 2275457
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 23.7 15.8 23.6#

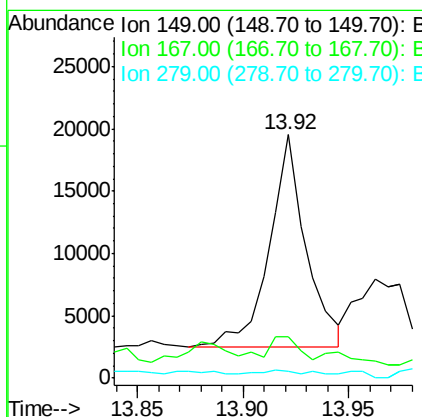
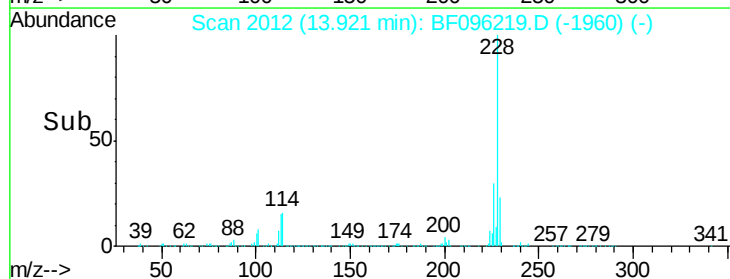
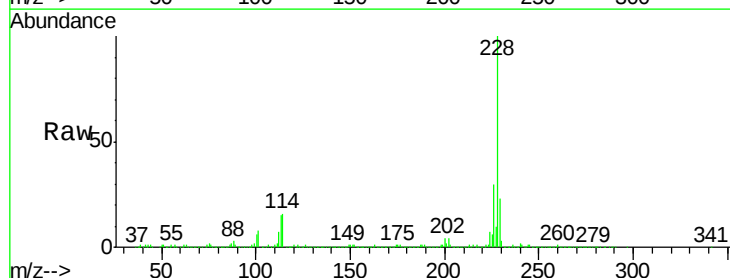
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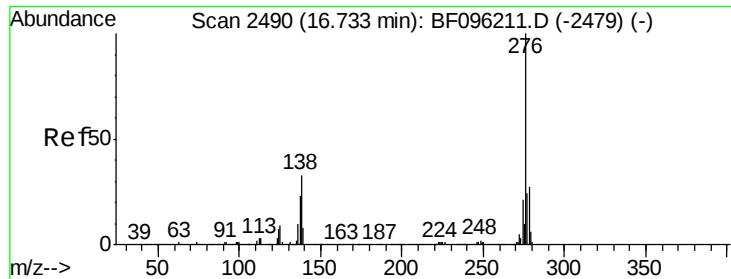
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.209 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Tgt Ion:149 Resp: 20548
Ion Ratio Lower Upper
149 100
167 17.2 21.0 31.4#
279 3.1 1.9 2.9#





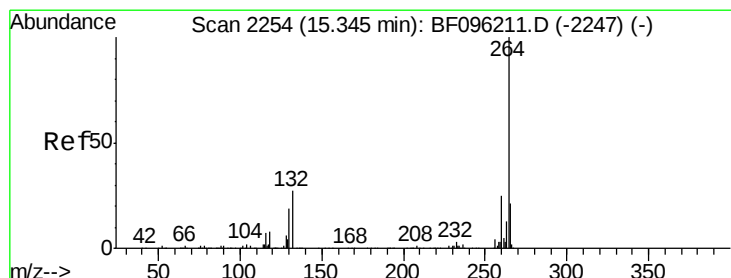
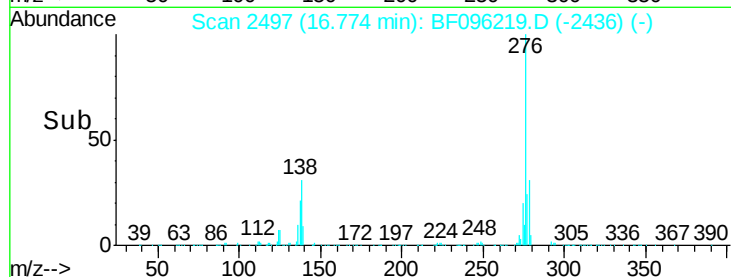
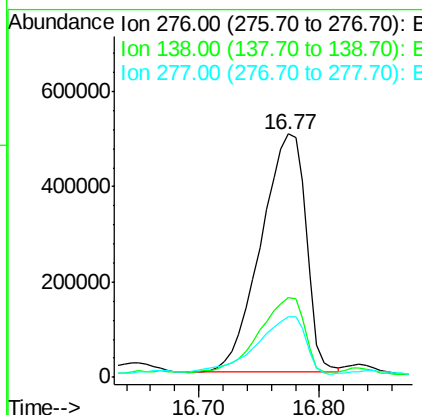
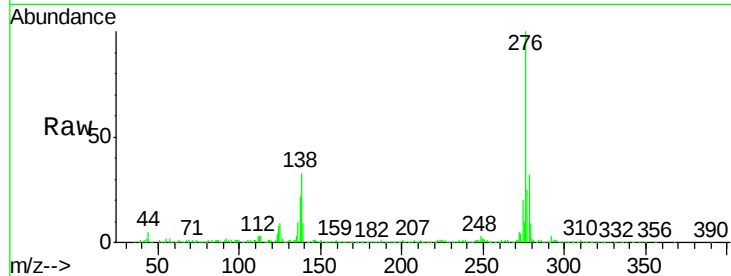
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 108.969 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. 0.06 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 OB-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.9	27.8	41.6
277	26.4	20.2	30.4

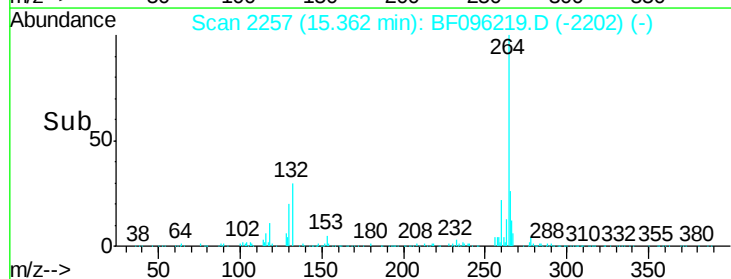
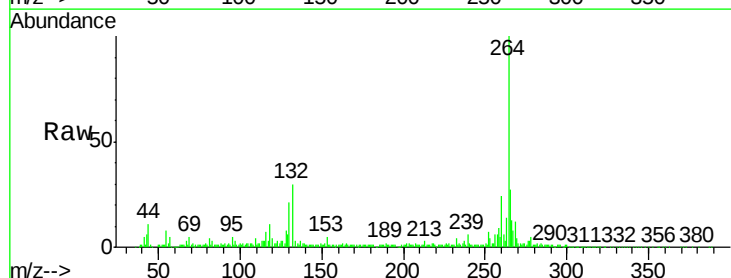
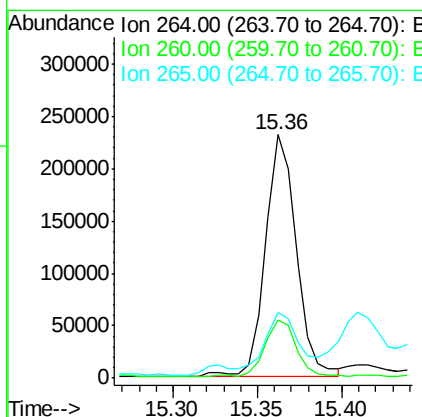
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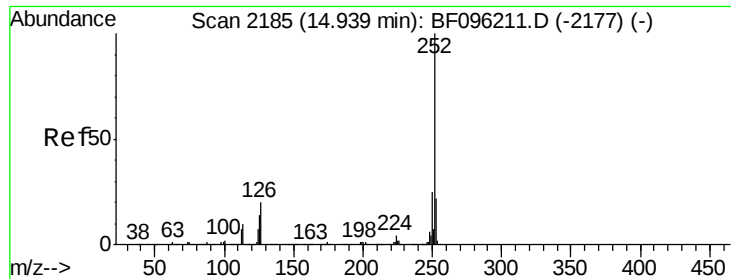
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.02 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	27.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 149.208 ng m

RT: 14.97 min Scan# 2190

Delta R.T. 0.01 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Instrument :

BNA_F

ClientSampleId :

OB-1

Tgt Ion:252 Resp: 2895136

Ion Ratio Lower Upper

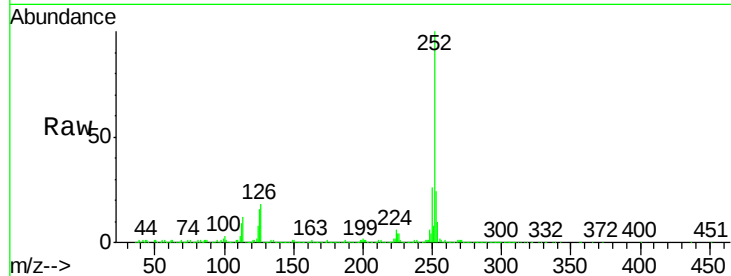
252 100

253 23.9 18.1 27.1

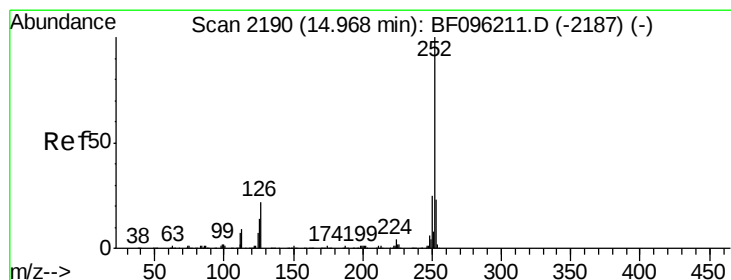
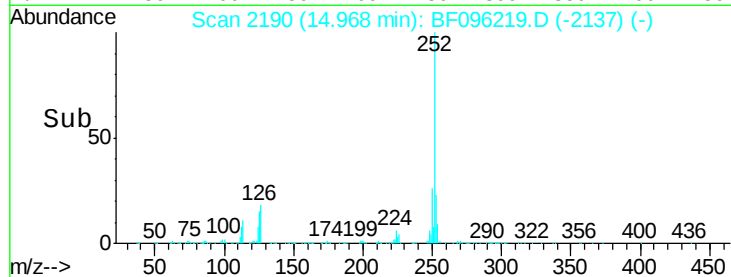
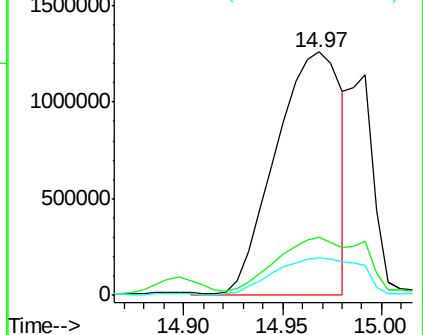
125 15.6 9.8 14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 56.455 ng m

RT: 14.99 min Scan# 2194

Delta R.T. 0.04 min

Lab File: BF096219.D

Acq: 27 Jun 2017 16:39

Tgt Ion:252 Resp: 1000045

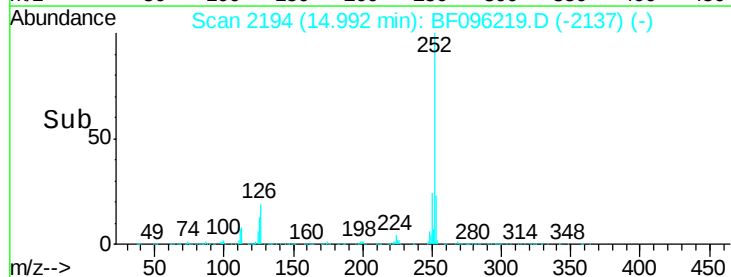
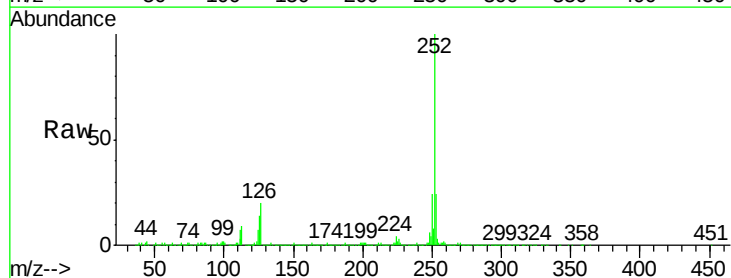
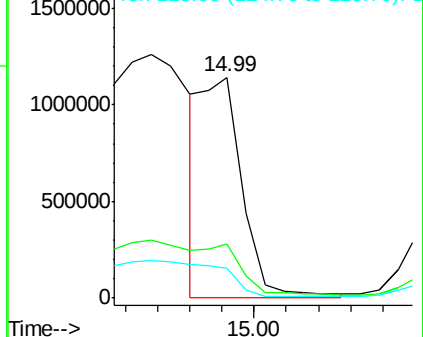
Ion Ratio Lower Upper

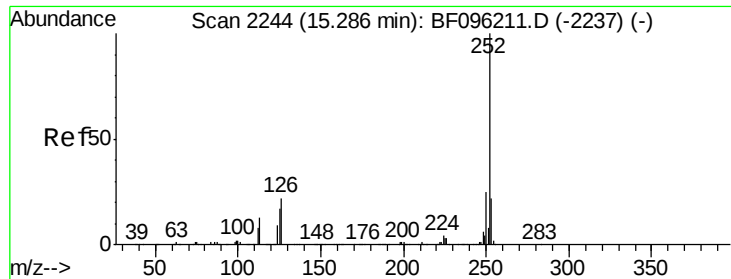
252 100

253 24.3 18.4 27.6

125 13.6 13.1 19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





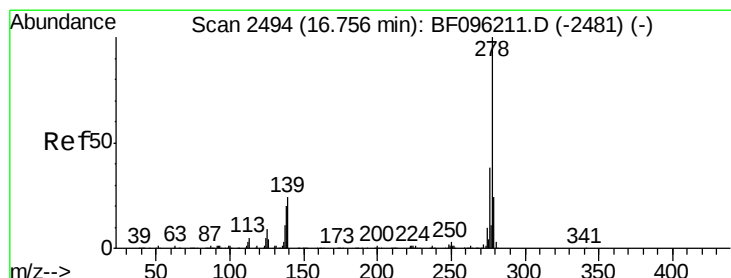
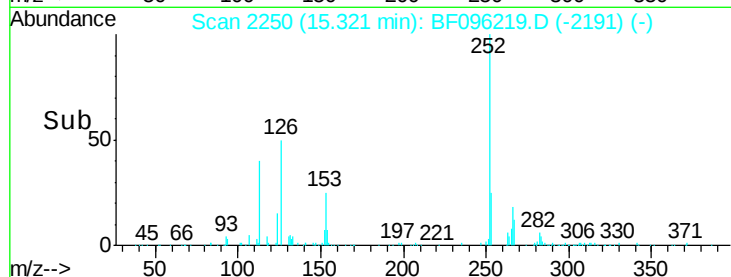
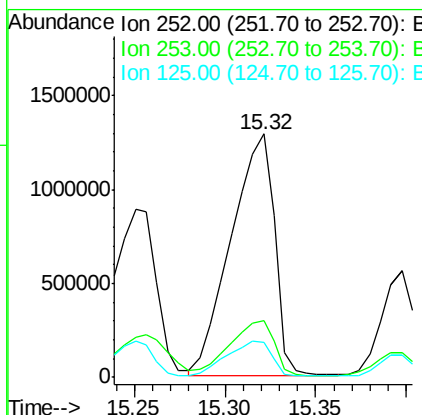
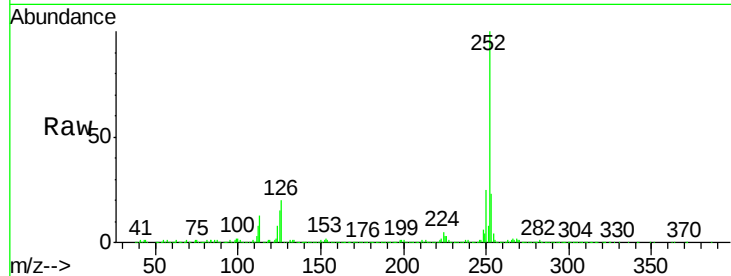
#89
Benzo(a)pyrene
Concen: 126.027 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.05 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Instrument :
BNA_F
ClientSampleId :
OB-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.6	11.0	16.4

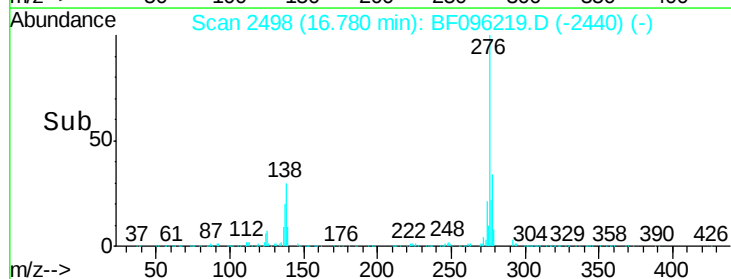
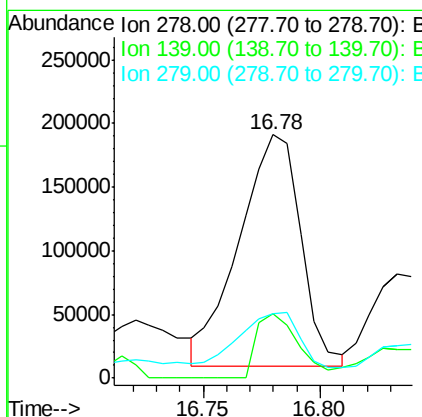
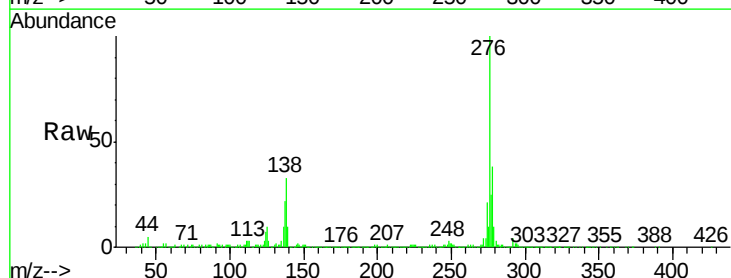
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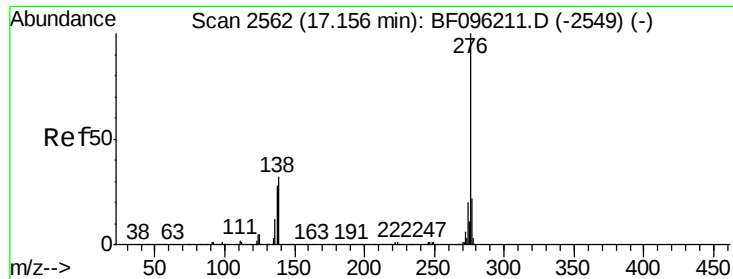
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#90
Dibenzo(a,h)anthracene
Concen: 24.860 ng m
RT: 16.78 min Scan# 2498
Delta R.T. 0.04 min
Lab File: BF096219.D
Acq: 27 Jun 2017 16:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	16.6	24.8#
279	26.4	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 88.402 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. 0.06 min
 Lab File: BF096219.D
 Acq: 27 Jun 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 OB-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	32.2	25.4	38.0

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