

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062717\
 Data File : BF096221.D
 Acq On : 27 Jun 2017 17:34
 Operator : SJ/MA
 Sample : I3868-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062217-A

Manual Integrations
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Quant Time: Jun 27 19:10:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	191503	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	803645	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	319045	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	434065	20.00	ng	0.00
75) Chrysene-d12	13.92	240	334947	20.00	ng	0.00
86) Perylene-d12	15.34	264	324228	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	307294	23.12	ng	0.00
7) Phenol-d6	6.40	99	377494	23.45	ng	0.00
23) Nitrobenzene-d5	7.33	82	195011	16.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	48648	19.38	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	353921	20.32	ng	-0.02
78) Terphenyl-d14	12.87	244	184315	13.73	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	86145	3.773	ng	98
74) Fluoranthene	12.50	202	184685	7.659	ng	96
77) Pyrene	12.72	202	195437	7.100	ng	99
80) Benzo(a)anthracene	13.90	228	116808m	5.721	ng	
82) Chrysene	13.94	228	111324	5.272	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	71734	4.092	ng	96
87) Benzo(b)fluoranthene	14.93	252	181258m	8.510	ng	
88) Benzo(k)fluoranthene	14.96	252	53450m	2.749	ng	
89) Benzo(a)pyrene	15.28	252	121117	6.438	ng	# 95
91) Benzo(g,h,i)perylene	17.14	276	73300	4.787	ng	94

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

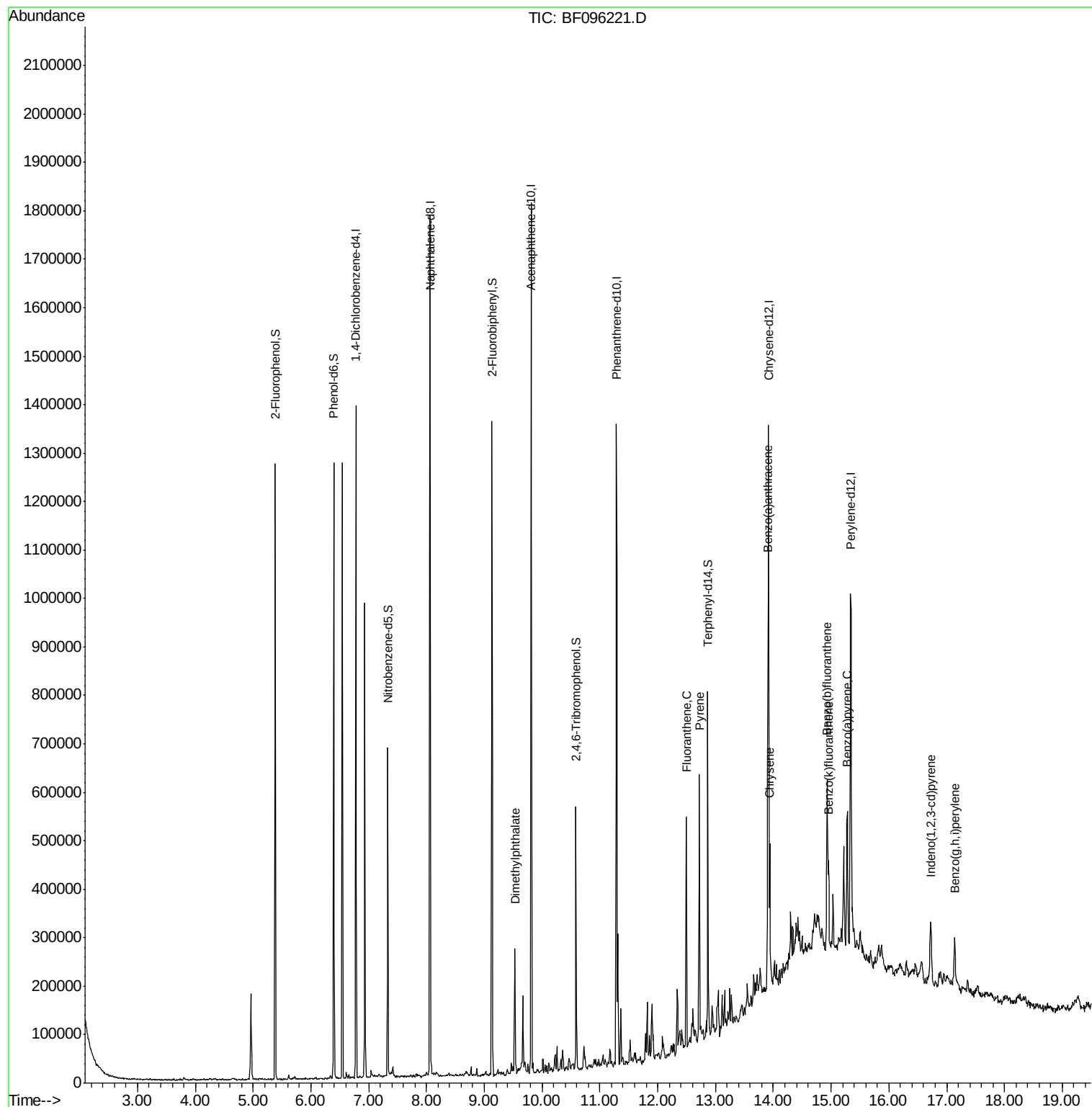
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

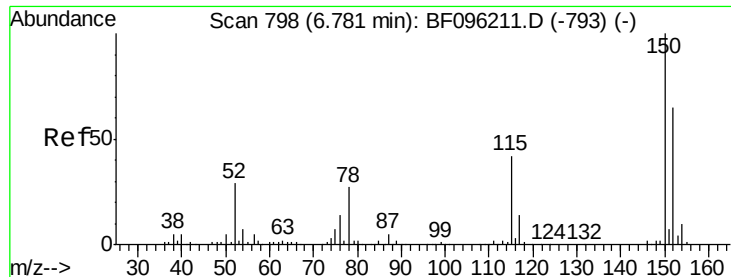
Instrument :
BNA_F
ClientSampleId :
CL-01-062217-A

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Quant Time: Jun 27 19:10:40 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

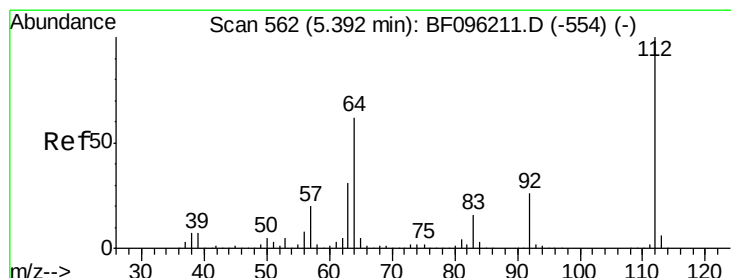
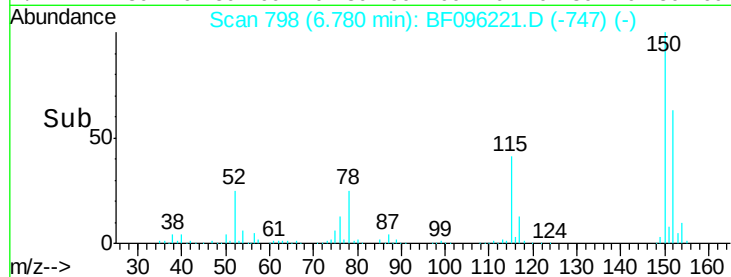
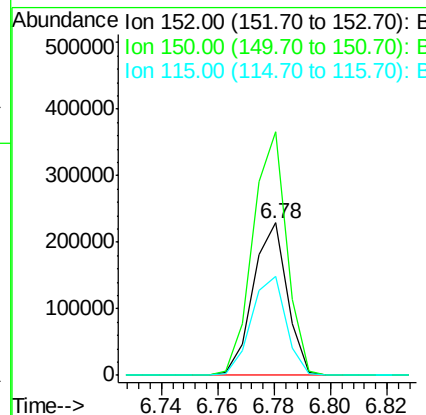
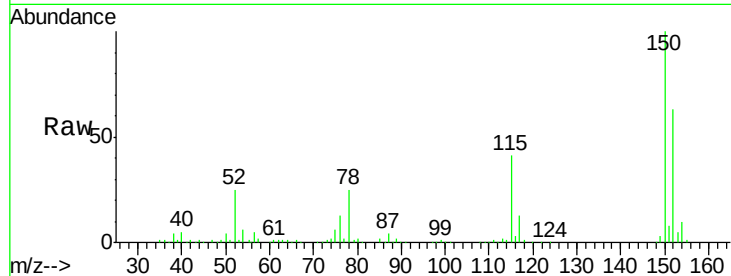
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Instrument :
BNA_F
ClientSampleId :
CL-01-062217-A

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	191503		
150	159.8	126.2	189.2	
115	64.9	52.2	78.2	

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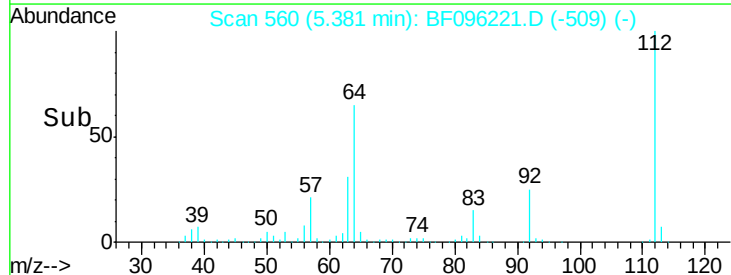
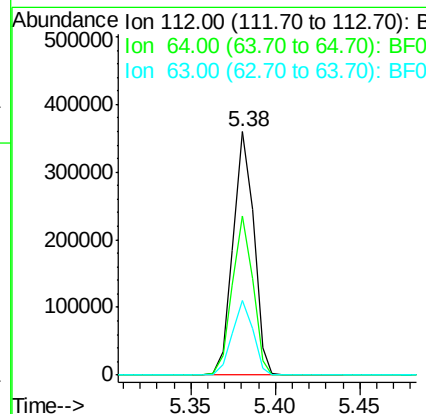
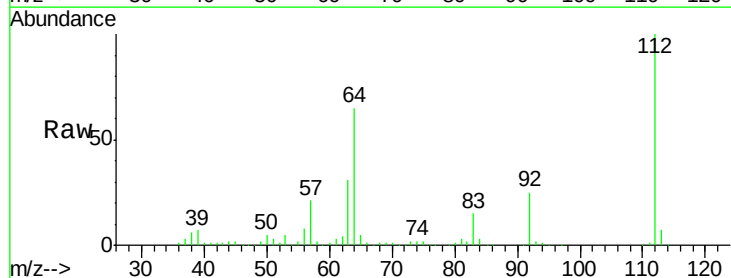
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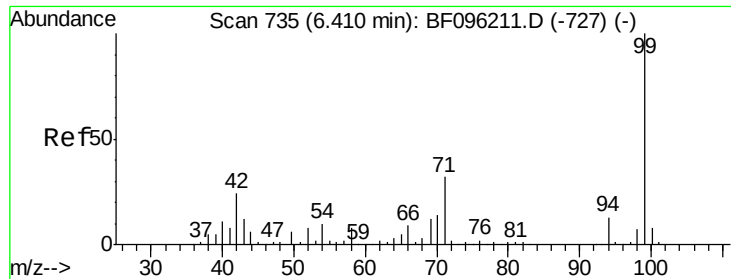


#5

2-Fluorophenol
Concen: 23.118 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	307294		
64	65.3	46.0	69.0	
63	30.8	23.4	35.0	





#7

Phenol-d6

Concen: 23.453 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

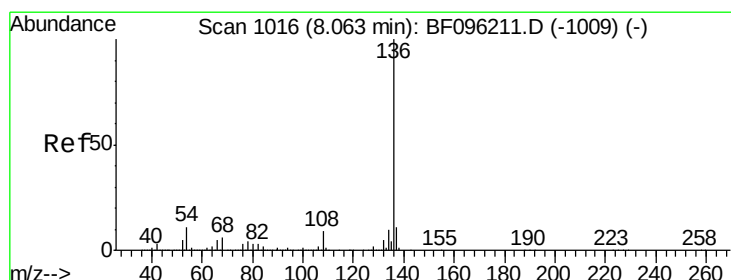
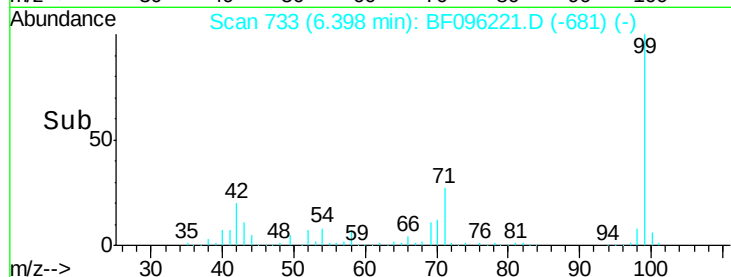
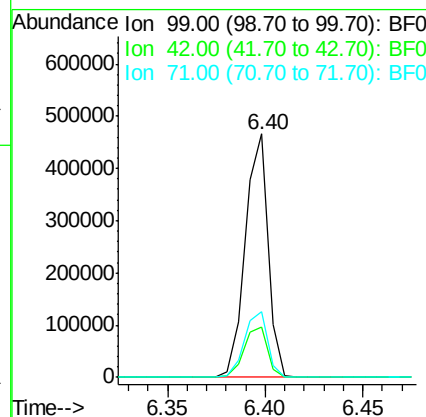
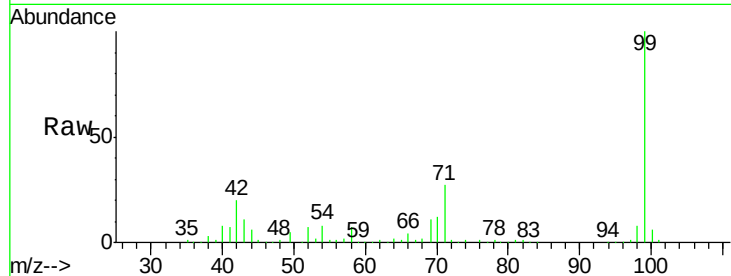
ClientSampleId :

CL-01-062217-A

Tgt Ion:	99	Resp:	377494
Ion Ratio	Lower	Upper	
99	100		
42	20.5	13.5	20.3#
71	26.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

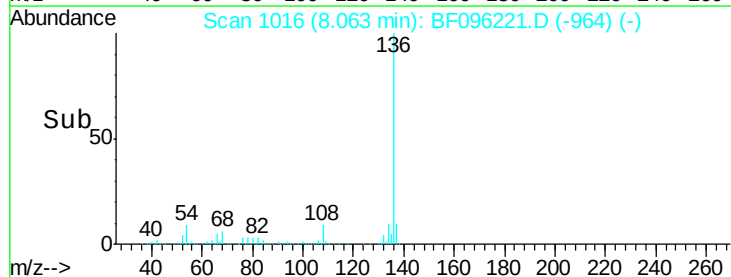
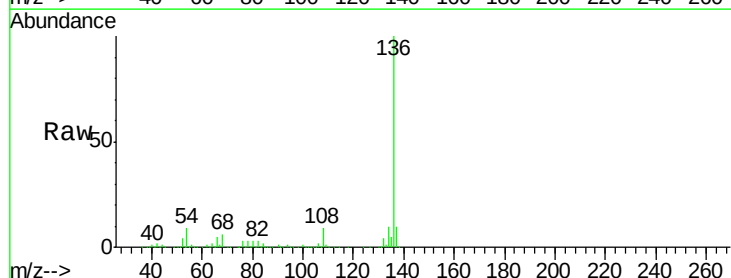
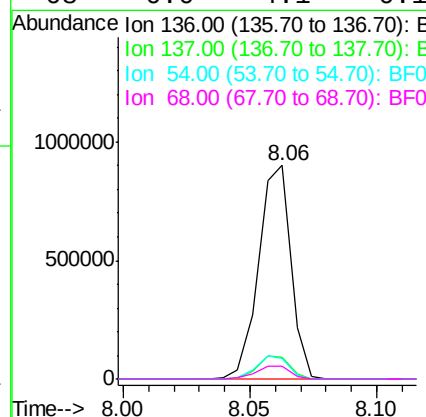
RT: 8.06 min Scan# 1016

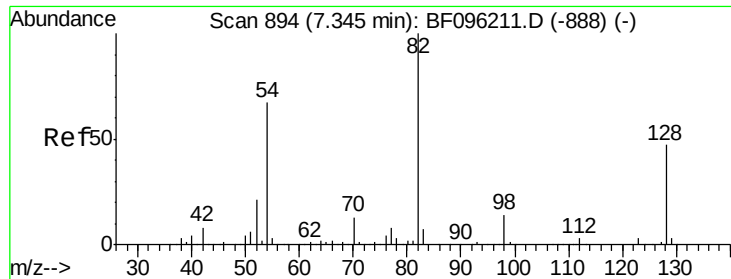
Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Tgt Ion:	136	Resp:	803645
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	9.4	4.9	7.3#
68	6.0	4.1	6.1





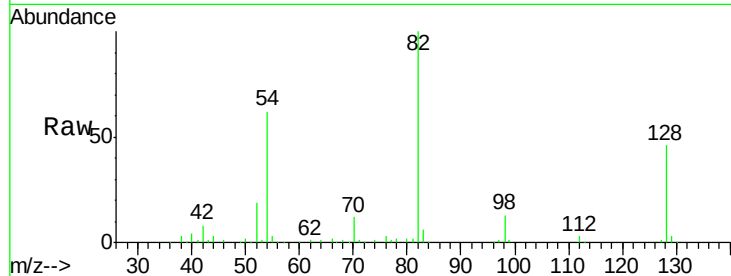
#23
Nitrobenzene-d5
Concen: 16.798 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Instrument :
BNA_F
ClientSampleId :
CL-01-062217-A

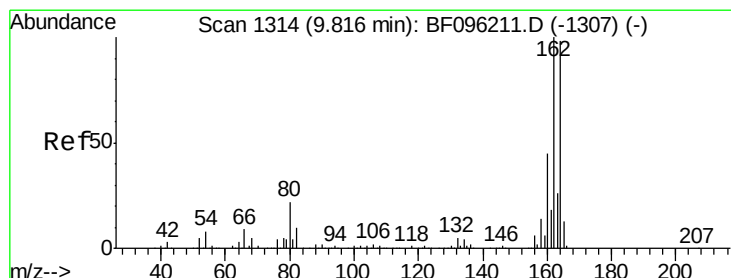
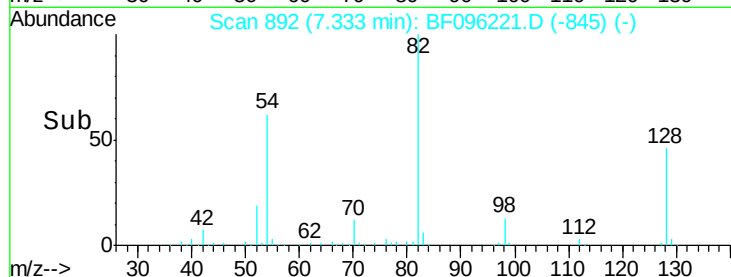
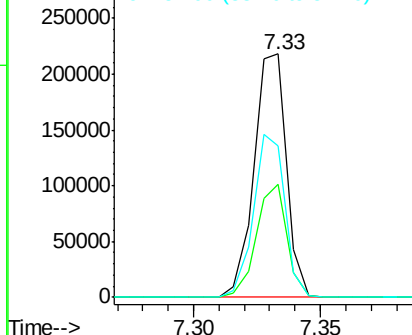
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	195011		
128	46.5	34.0	51.0	
54	62.2	42.2	63.2	

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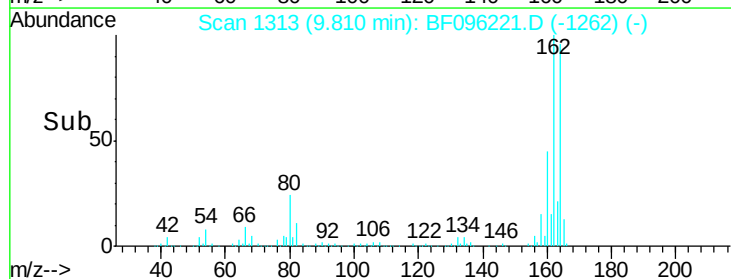
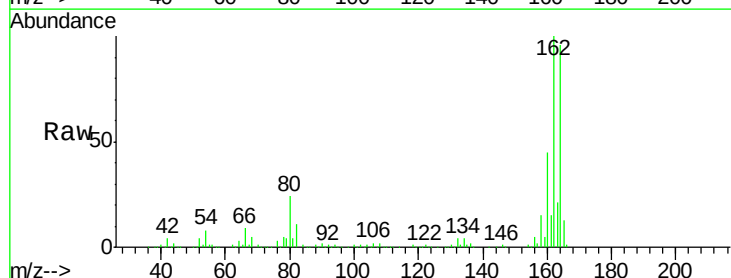
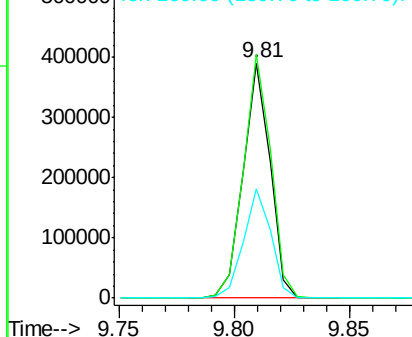
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

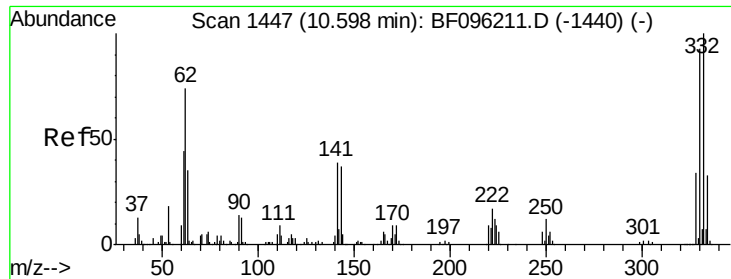


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	319045		
162	103.7	82.6	123.8	
160	46.4	36.2	54.2	

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





#41

2,4,6-Tribromophenol

Concen: 19.375 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

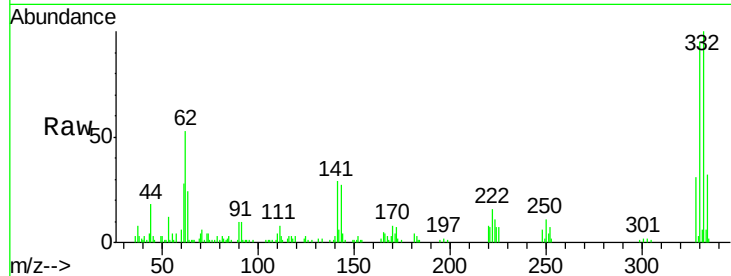
ClientSampleId :

CL-01-062217-A

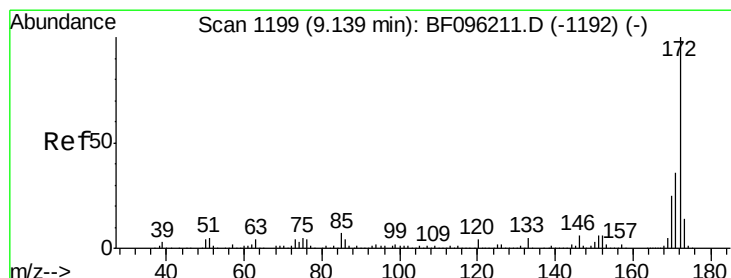
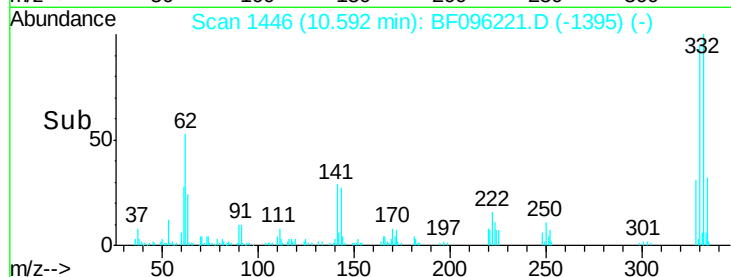
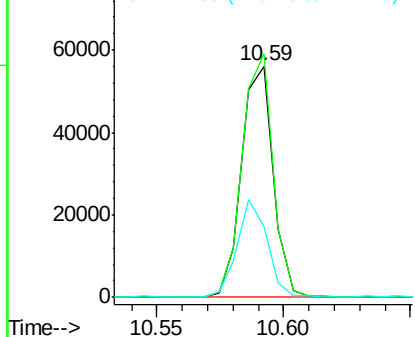
Tgt Ion:	330	Resp:	48648
Ion Ratio	Lower	Upper	
330	100		
332	103.1	76.6	115.0
141	40.3	31.4	47.2

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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: 20.316 ng

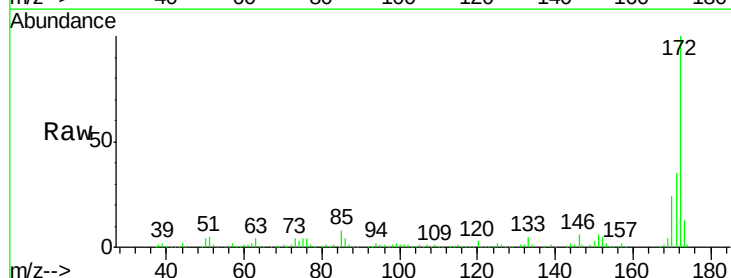
RT: 9.13 min Scan# 1198

Delta R.T. -0.02 min

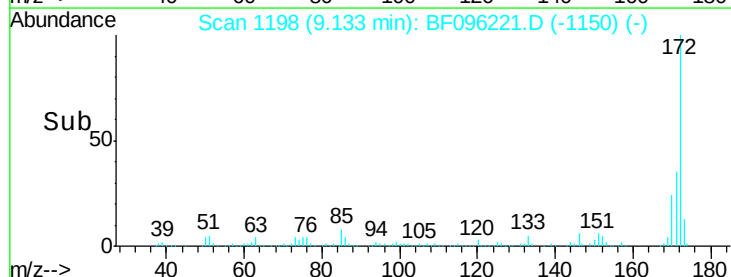
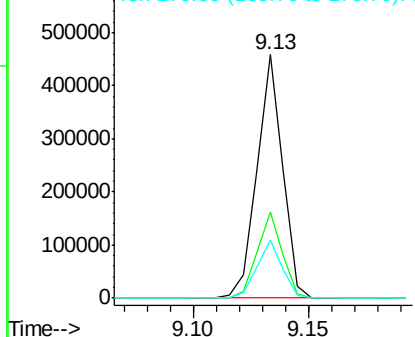
Lab File: BF096221.D

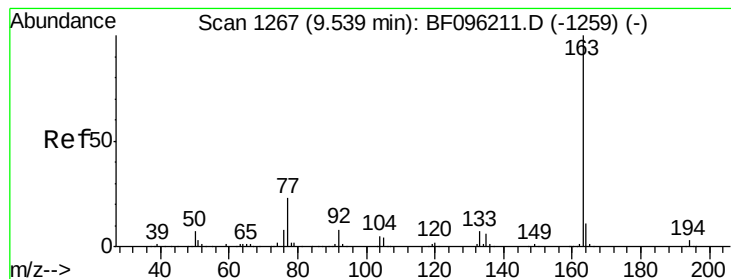
Acq: 27 Jun 2017 17:34

Tgt Ion:	172	Resp:	353921
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	23.7	19.8	29.8



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





#49

Dimethylphthalate

Concen: 3.773 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

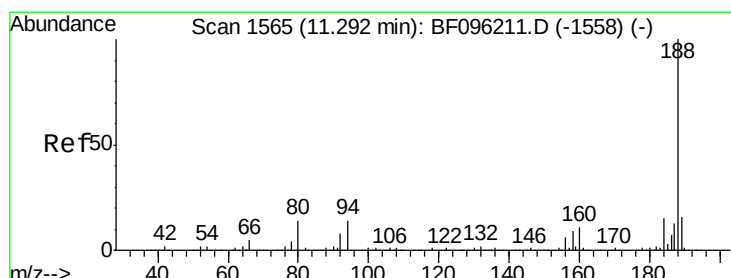
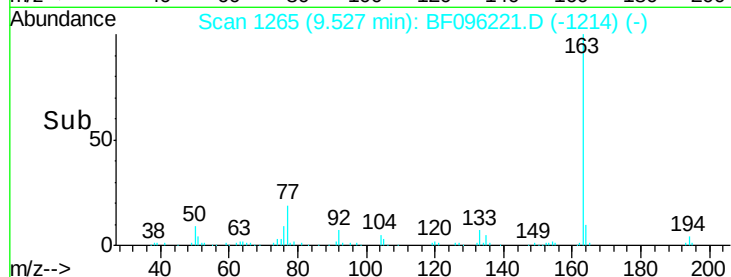
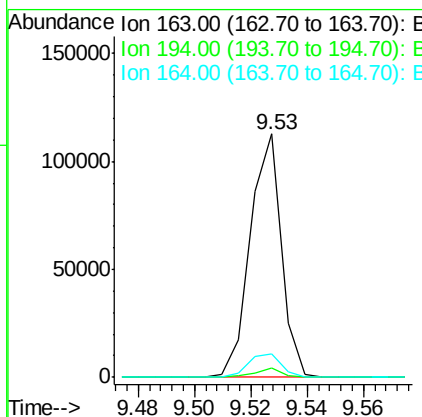
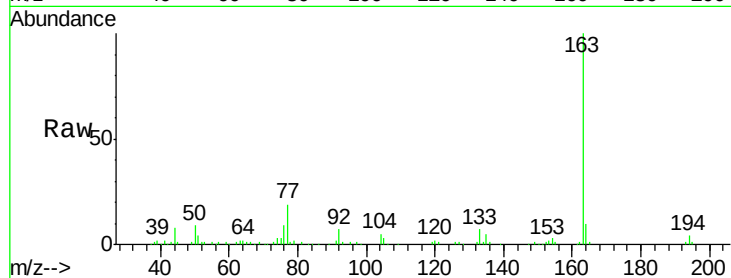
ClientSampleId :

CL-01-062217-A

Tgt Ion:	163	Resp:	86145
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	9.6	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.000 ng

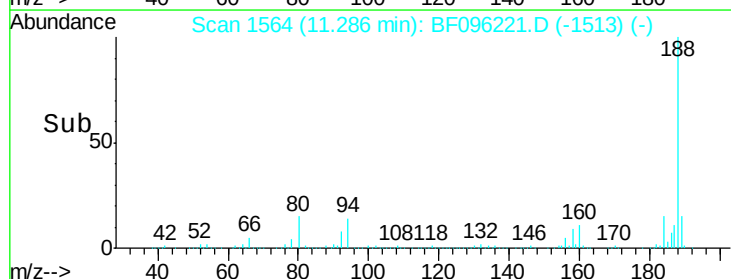
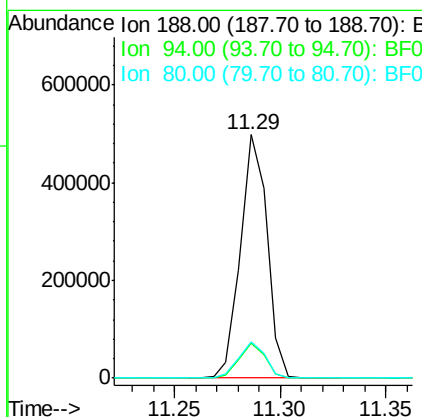
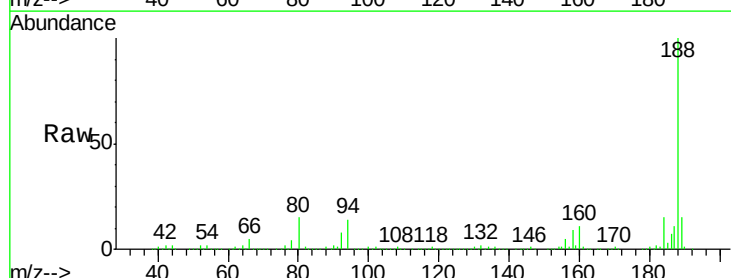
RT: 11.29 min Scan# 1564

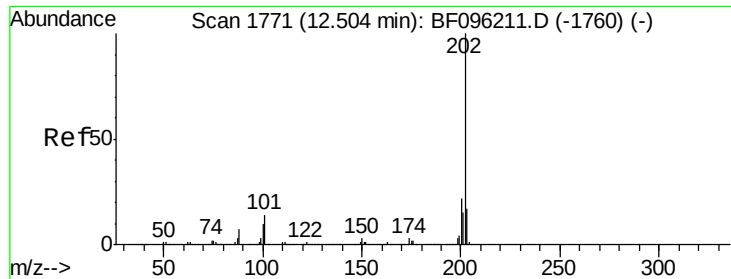
Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Tgt Ion:	188	Resp:	434065
Ion Ratio	Lower	Upper	
188	100		
94	14.5	9.4	14.2#
80	15.1	10.2	15.2





#74

Fluoranthene

Concen: 7.659 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

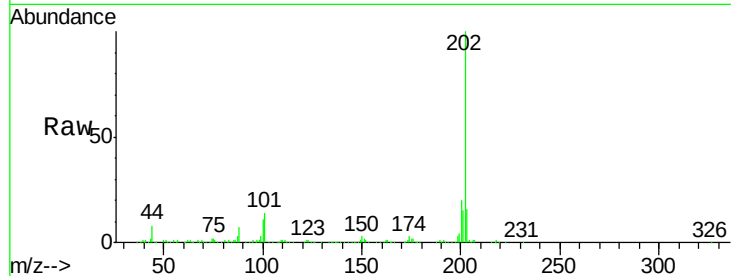
ClientSampleId :

CL-01-062217-A

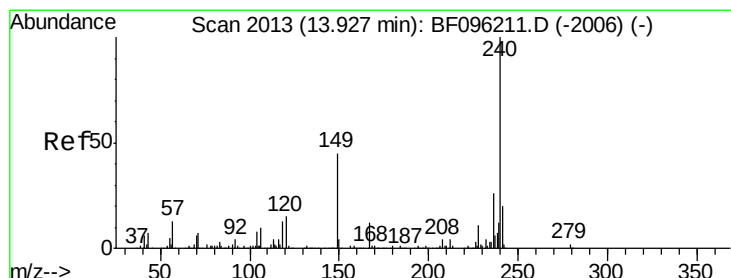
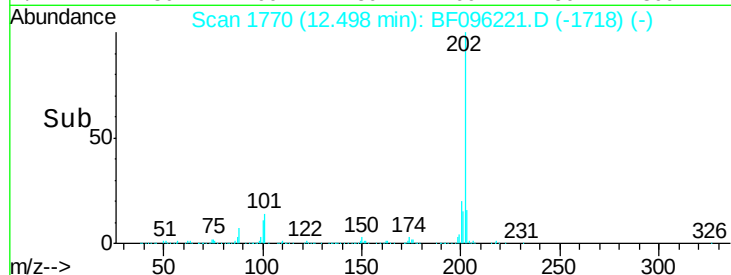
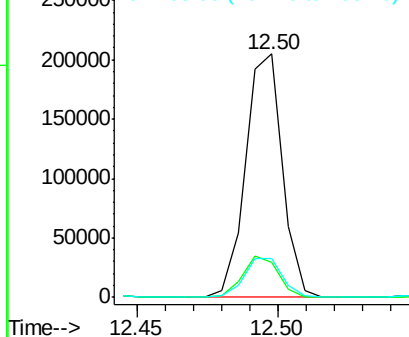
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		184685		
101	14.4	0.0	33.2		
203	16.0	0.0	38.1		

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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: 20.000 ng

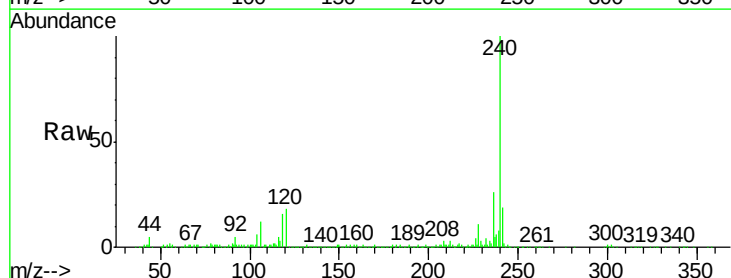
RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

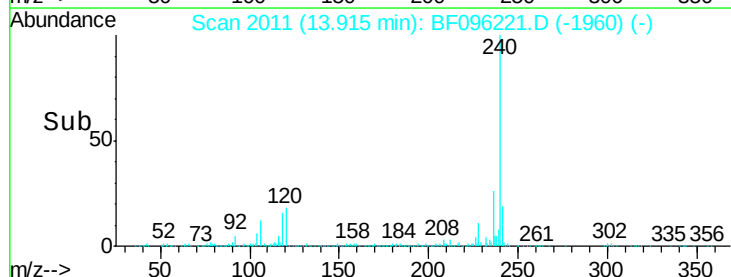
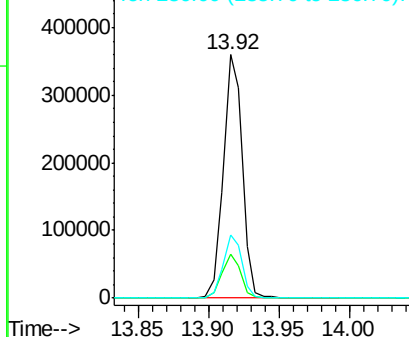
Lab File: BF096221.D

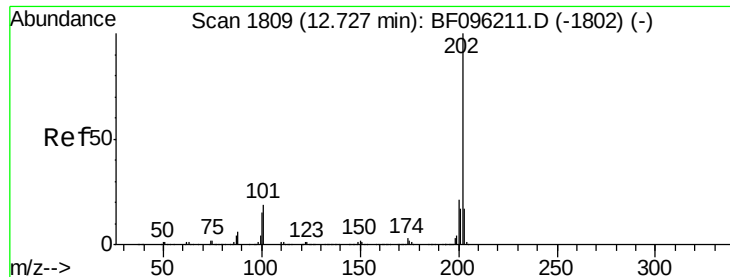
Acq: 27 Jun 2017 17:34

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		334947		
120	18.0	5.8	8.8#		
236	25.9	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





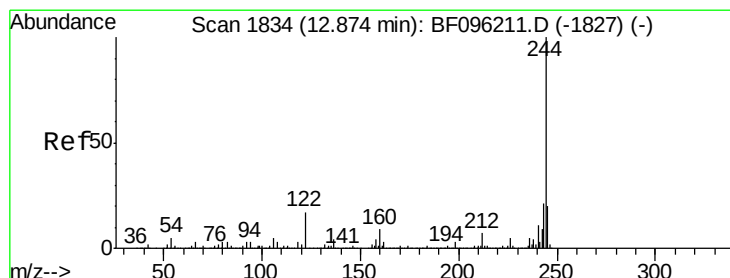
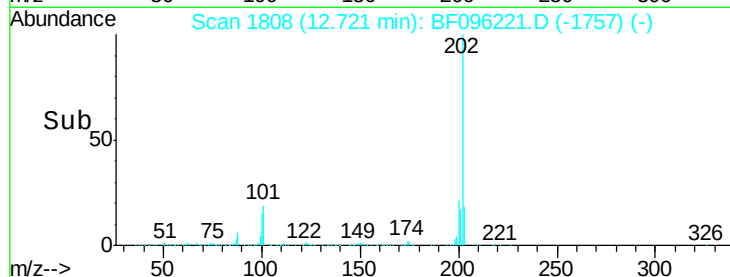
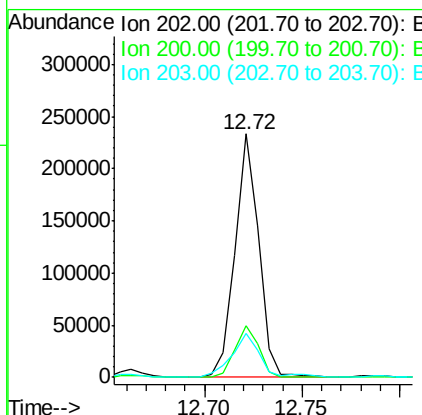
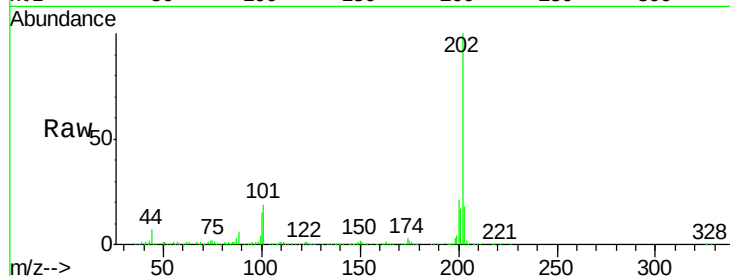
#77
 Pyrene
 Concen: 7.100 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062217-A

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	195437		
200	21.0		17.6	26.4
203	17.9		14.4	21.6

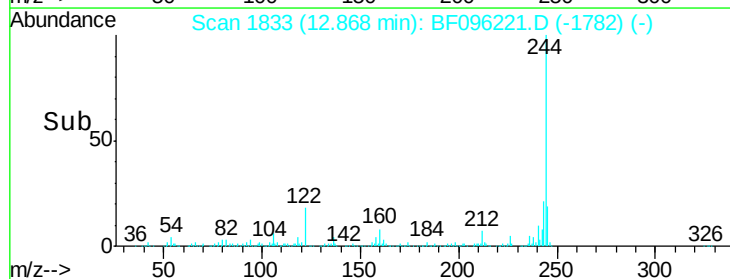
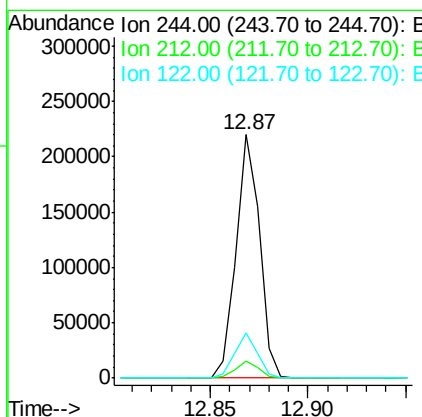
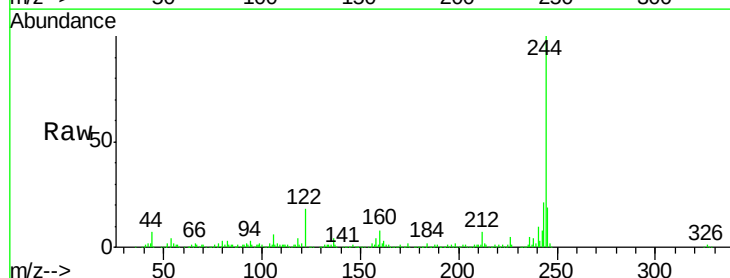
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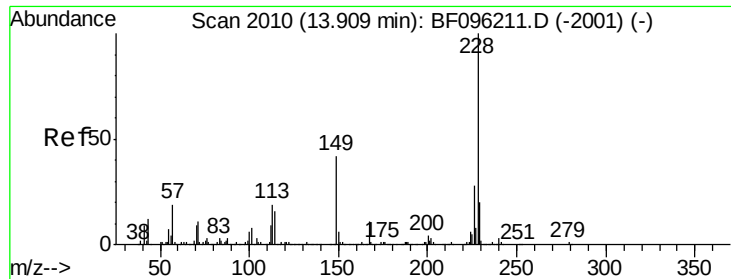
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#78
 Terphenyl-d14
 Concen: 13.731 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	184315		
212	6.8		6.0	9.0
122	18.4		10.3	15.5





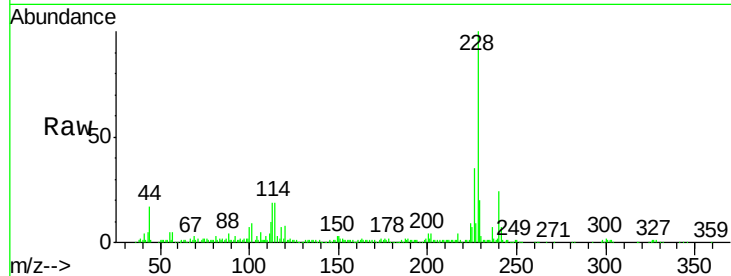
#80
Benzo(a)anthracene
Concen: 5.721 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Instrument :
BNA_F
ClientSampleId :
CL-01-062217-A

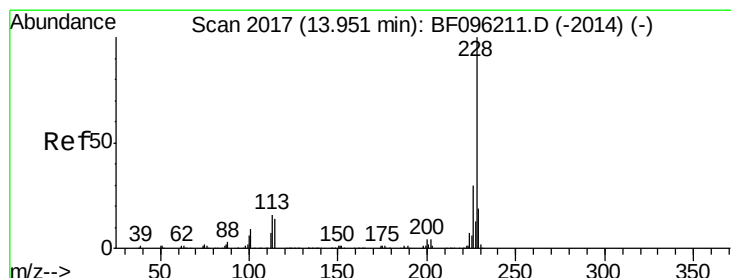
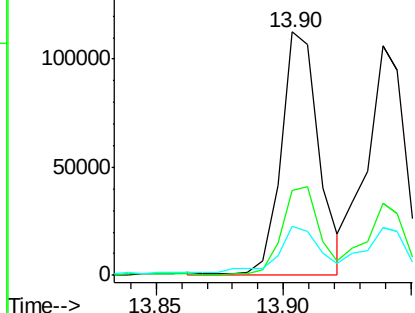
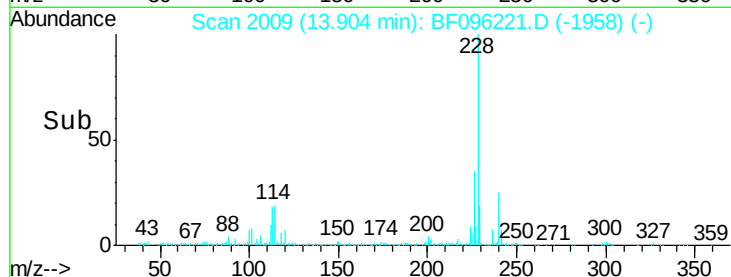
Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	19.9	16.3	24.5

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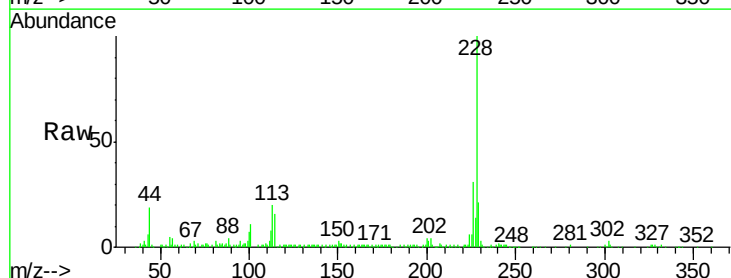


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

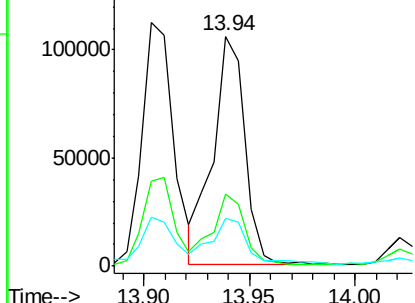
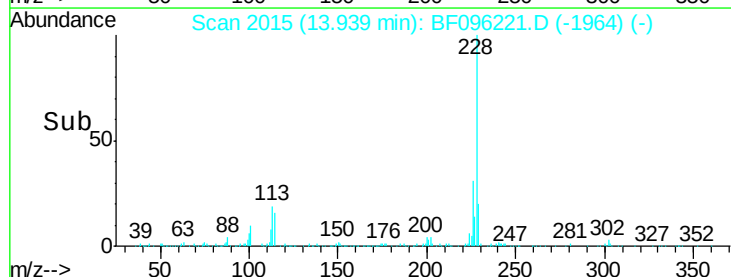


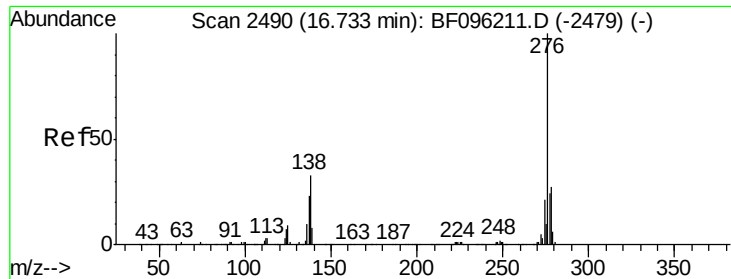
#82
Chrysene
Concen: 5.272 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	20.6	15.8	23.6



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





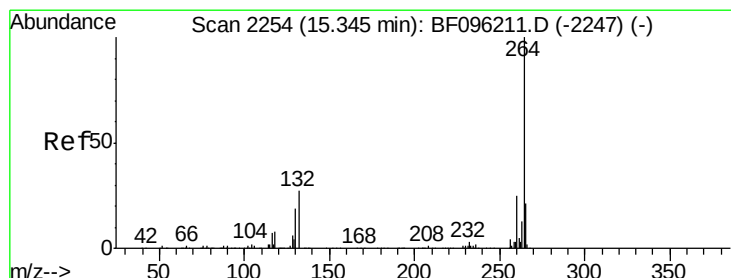
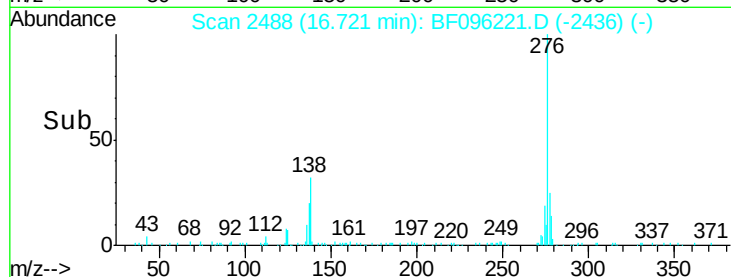
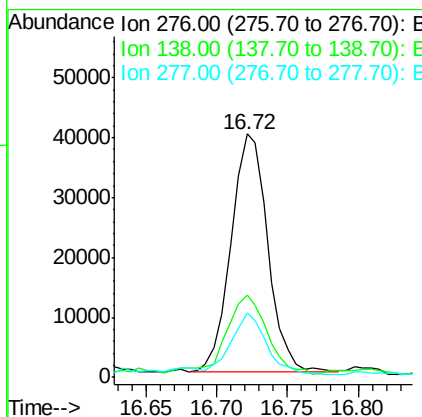
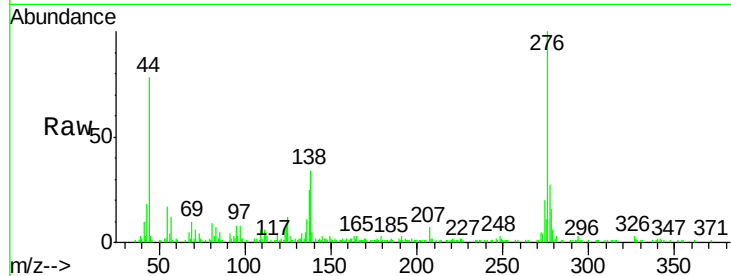
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.092 ng
 RT: 16.72 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062217-A

Tgt Ion	Ratio	Lower	Upper
276	100		
138	37.7	27.8	41.6
277	24.3	20.2	30.4

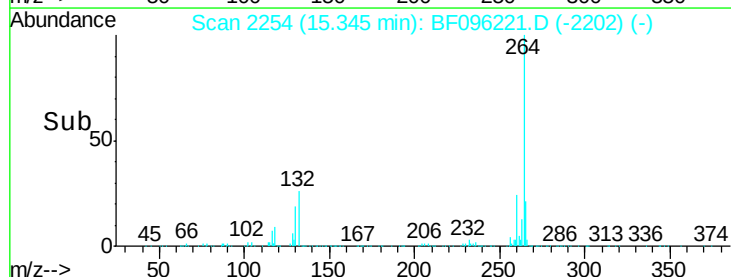
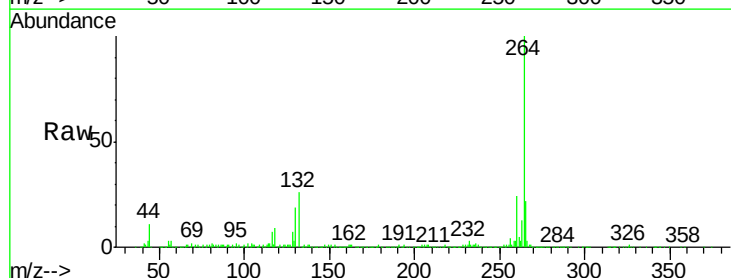
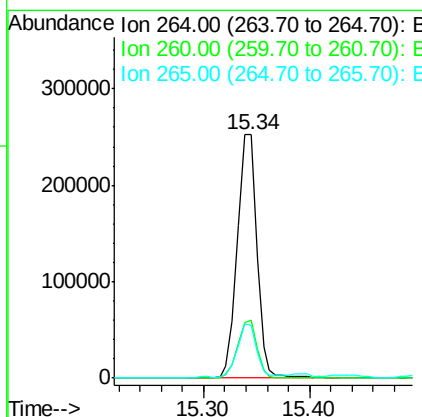
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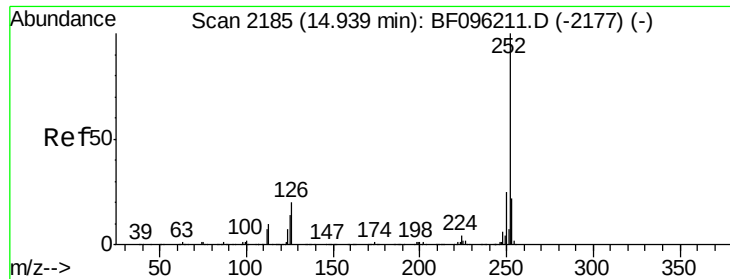
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.510 ng m

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

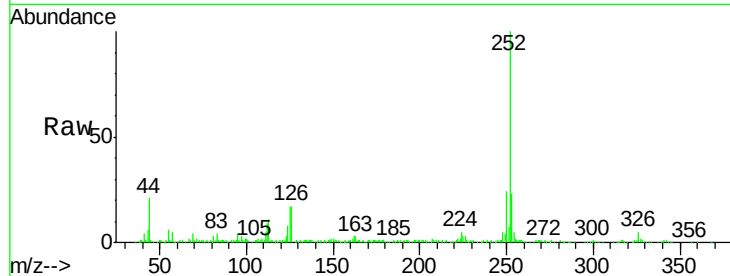
ClientSampleId :

CL-01-062217-A

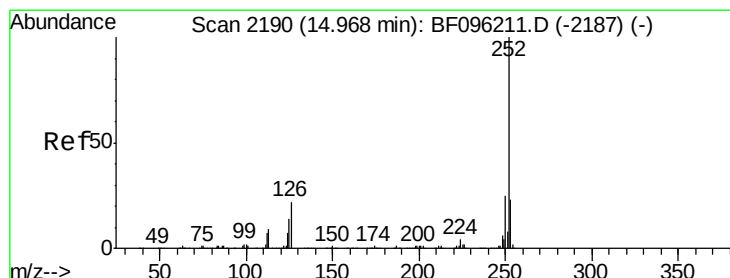
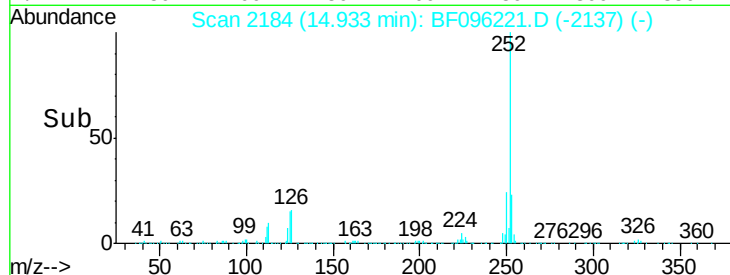
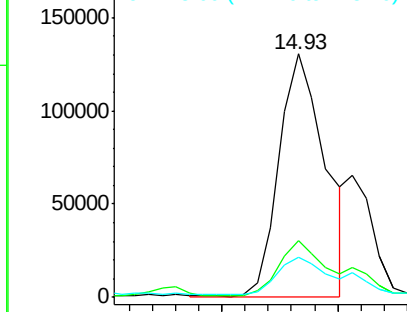
Tgt Ion:	252	Resp:	181258
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	16.5	9.8	14.8#

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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: 2.749 ng m

RT: 14.96 min Scan# 2188

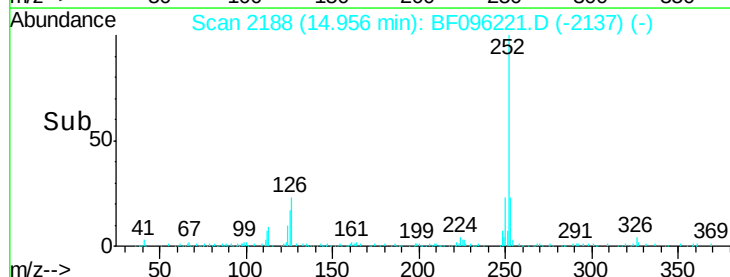
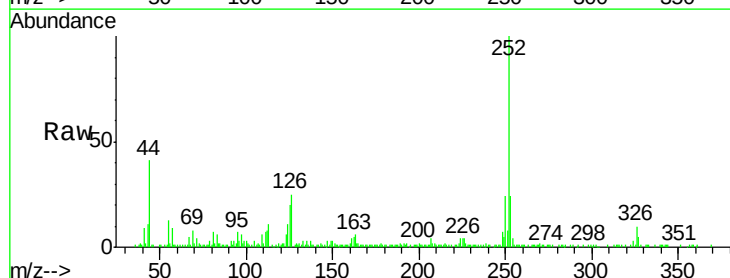
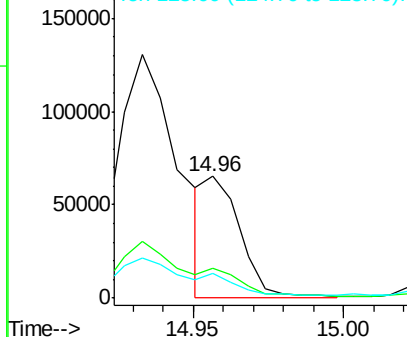
Delta R.T. -0.00 min

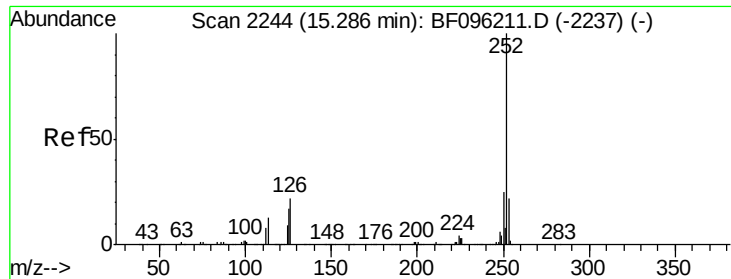
Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Tgt Ion:	252	Resp:	53450
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.4	27.6
125	19.8	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





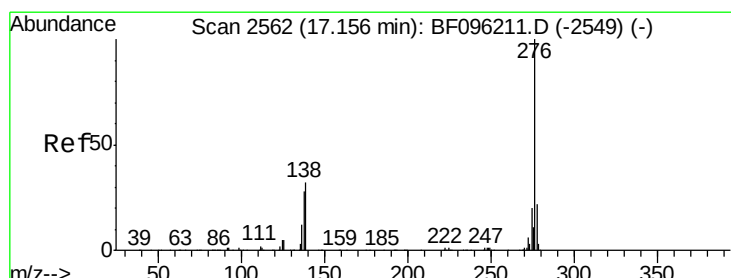
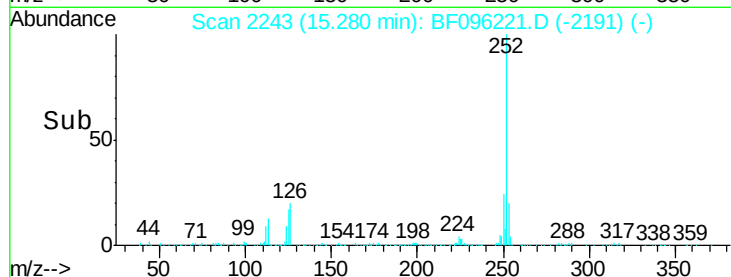
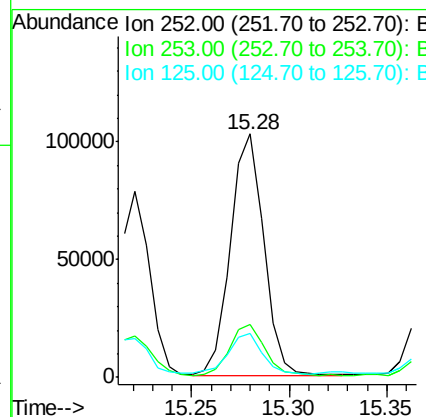
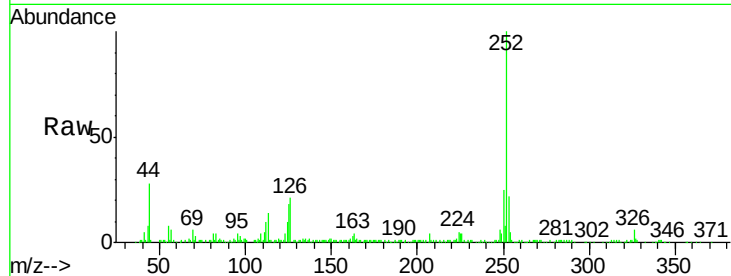
#89
Benzo(a)pyrene
Concen: 6.438 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Instrument :
BNA_F
ClientSampleId :
CL-01-062217-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	18.2	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 4.787 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	35.2	25.4	38.0

