

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062717\
 Data File : BF096225.D
 Acq On : 27 Jun 2017 19:26
 Operator : SJ/MA
 Sample : I3868-13 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jun 27 19:54:13 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	187807	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	769955	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	284558	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	378399	20.00	ng	0.00
75) Chrysene-d12	13.92	240	332713	20.00	ng	0.00
86) Perylene-d12	15.34	264	297104	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	334684	25.67	ng	0.00
7) Phenol-d6	6.40	99	405366	25.68	ng	0.00
23) Nitrobenzene-d5	7.33	82	208307	18.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	46397	20.72	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	369394	23.77	ng	-0.02
78) Terphenyl-d14	12.87	244	197638	14.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.67	152	67343	2.241	ng	94
49) Dimethylphthalate	9.53	163	80252	3.941	ng	100
71) Anthracene	11.36	178	60020	2.838	ng	96
74) Fluoranthene	12.50	202	258660	12.305	ng	97
77) Pyrene	12.72	202	267664	9.789	ng	97
80) Benzo(a)anthracene	13.91	228	155167m	7.651	ng	
82) Chrysene	13.94	228	146886	7.002	ng	94
85) Indeno(1,2,3-cd)pyrene	16.73	276	81859	4.701	ng	99
87) Benzo(b)fluoranthene	14.93	252	202480m	10.374	ng	
88) Benzo(k)fluoranthene	14.96	252	63655m	3.573	ng	
89) Benzo(a)pyrene	15.28	252	141027	8.181	ng	96
91) Benzo(g,h,i)perylene	17.14	276	77637	5.533	ng	97

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

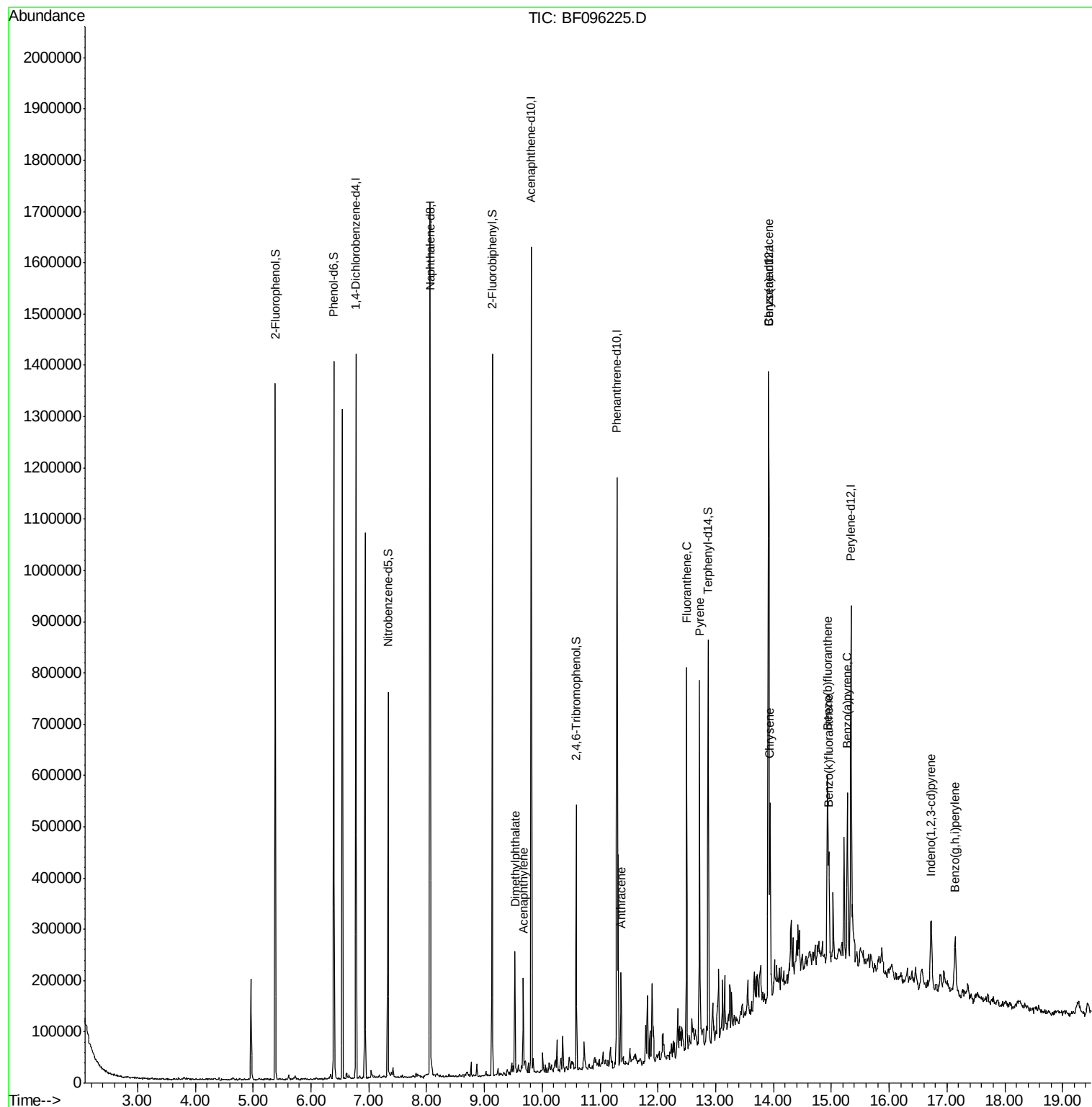
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096225.D
Acq On : 27 Jun 2017 19:26
Operator : SJ/MA
Sample : I3868-13 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

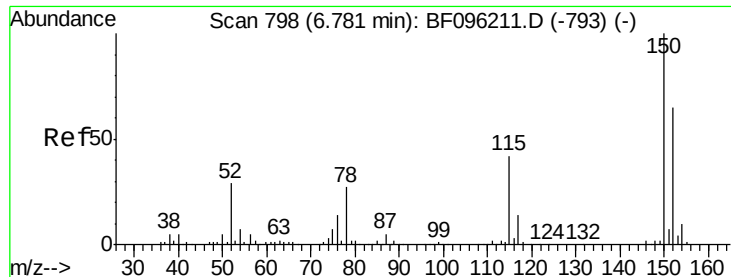
Instrument :
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Quant Time: Jun 27 19:54:13 2017
Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

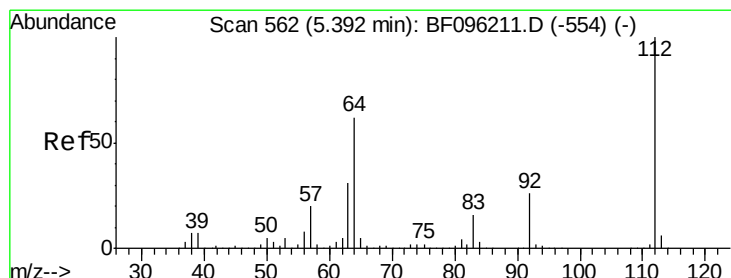
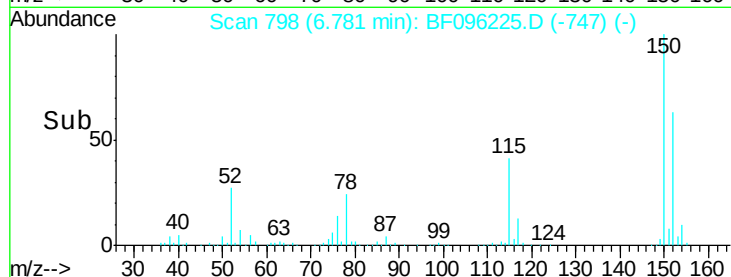
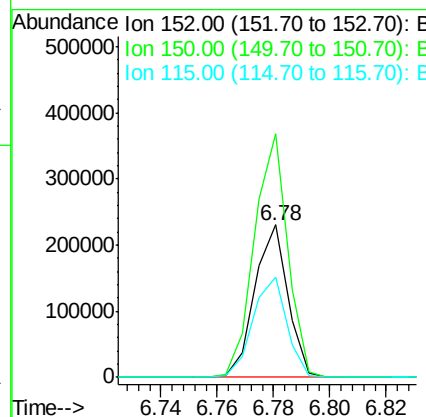
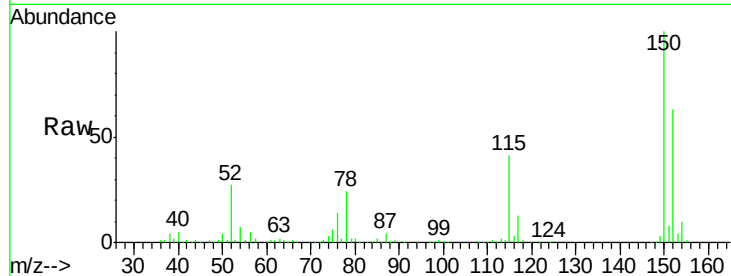
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	187807		
150	159.6	126.2	189.2	
115	66.0	52.2	78.2	

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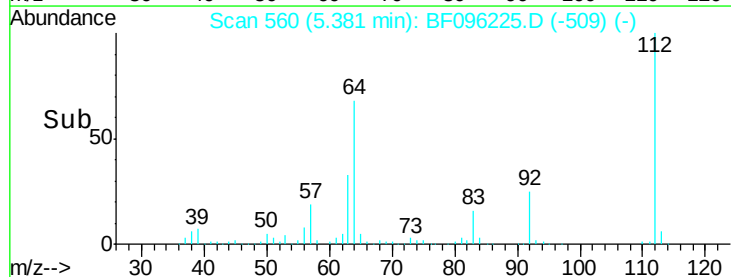
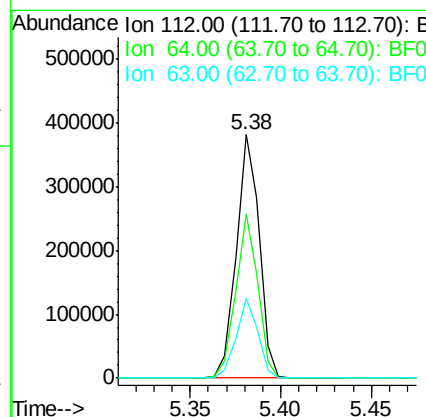
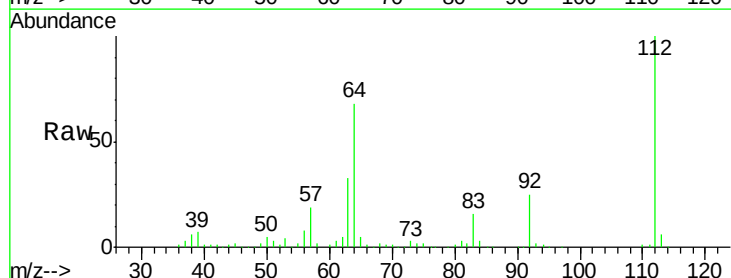
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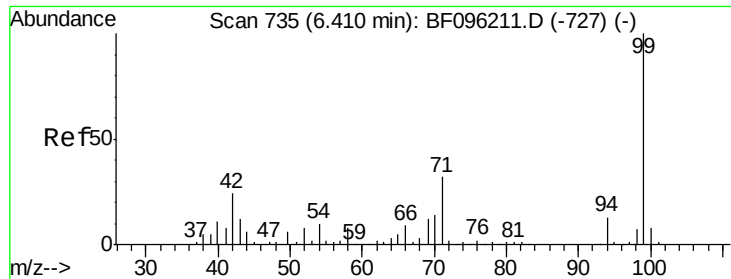


#5

2-Fluorophenol
Concen: 25.674 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	334684		
64	67.5	46.0	69.0	
63	32.5	23.4	35.0	





#7

Phenol-d6

Concen: 25.681 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

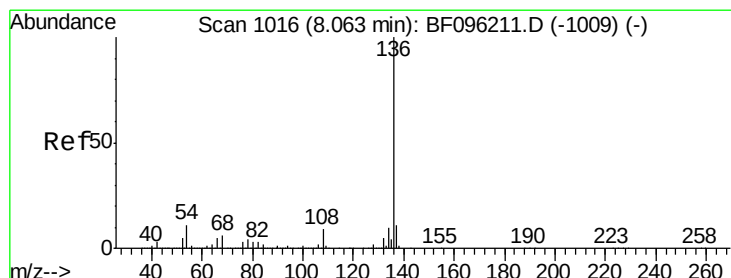
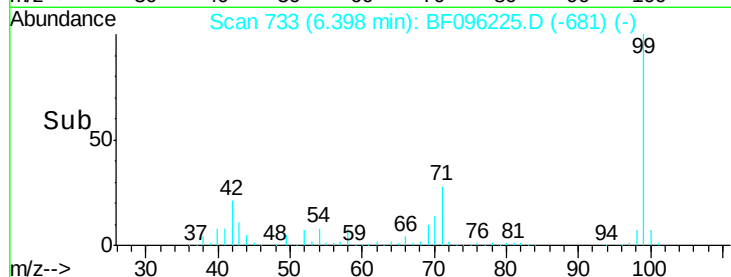
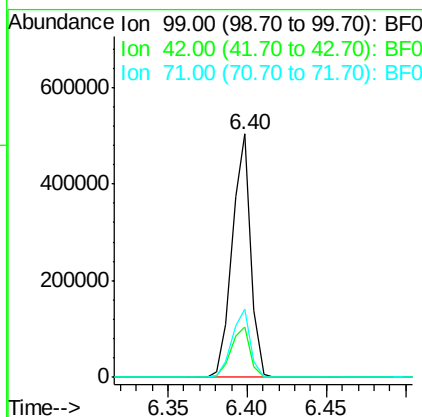
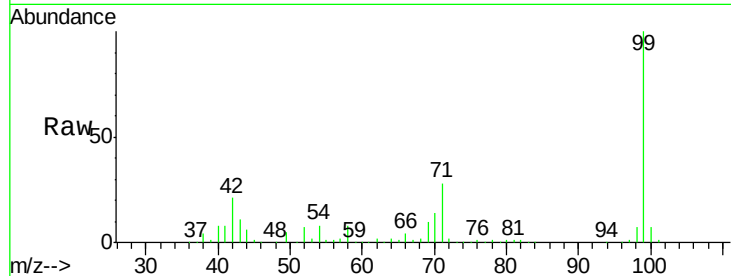
ClientSampleId :

CL-01-062217-E

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	405366		
42	20.6	13.5	20.3#	
71	27.8	24.5	36.7	

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#21

Naphthalene-d8

Concen: 20.000 ng

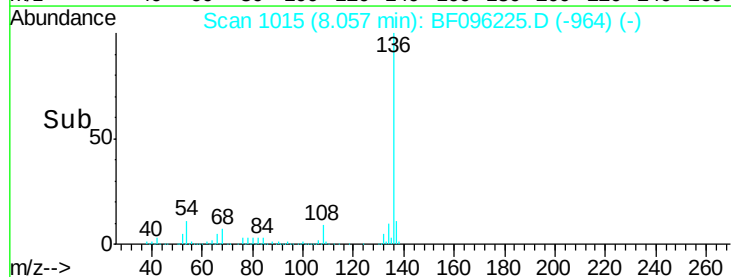
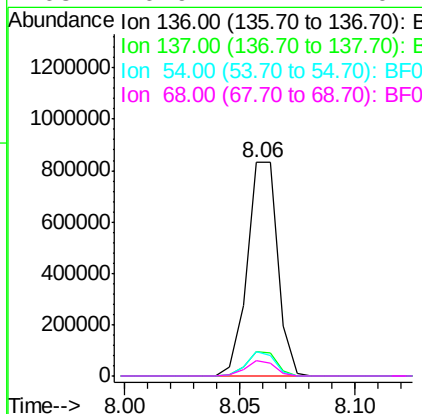
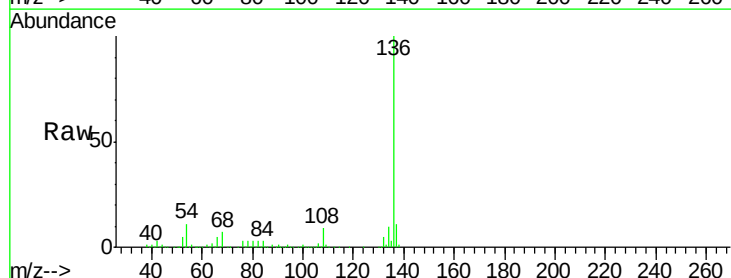
RT: 8.06 min Scan# 1015

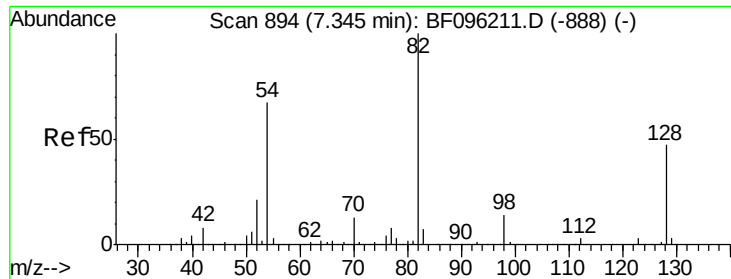
Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	769955		
137	11.1	8.5	12.7	
54	11.4	4.9	7.3#	
68	6.9	4.1	6.1#	





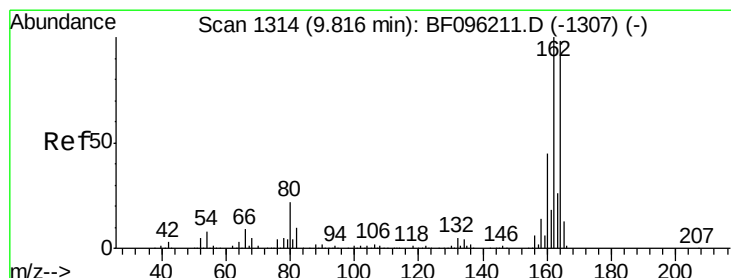
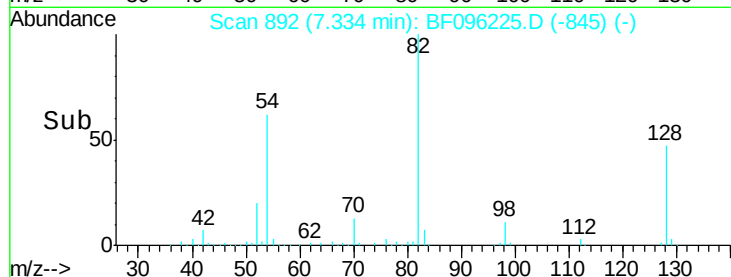
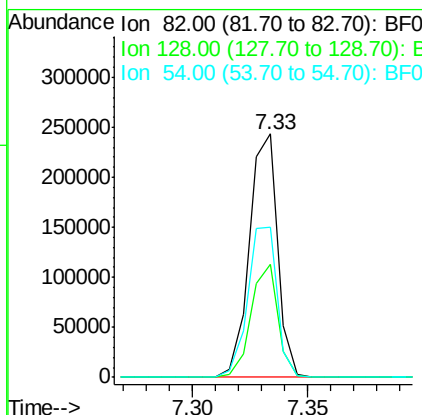
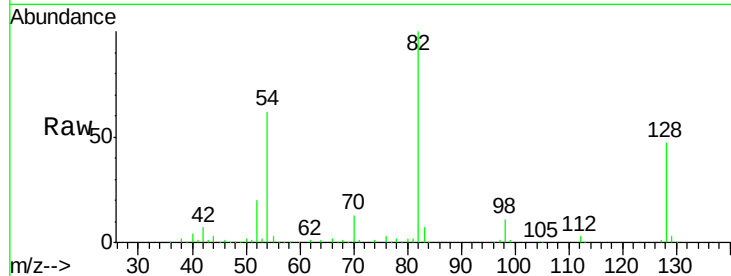
#23
 Nitrobenzene-d5
 Concen: 18.729 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	208307		
128	46.7	34.0	51.0	
54	61.7	42.2	63.2	

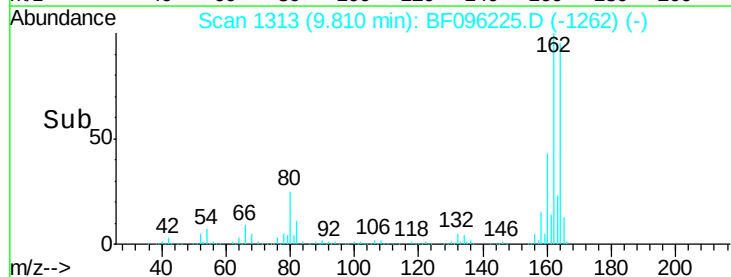
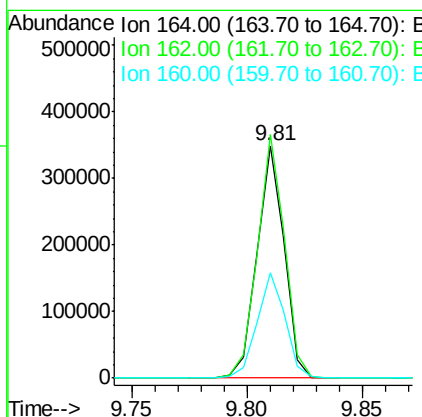
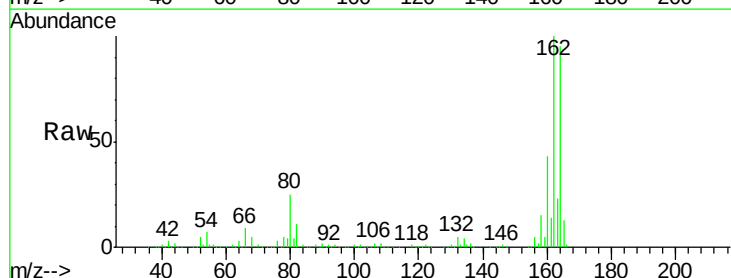
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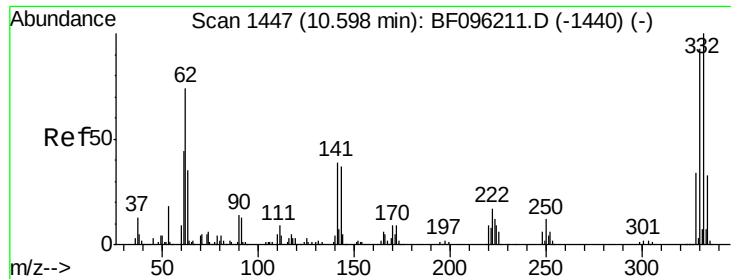
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	284558		
162	104.7	82.6	123.8	
160	45.4	36.2	54.2	





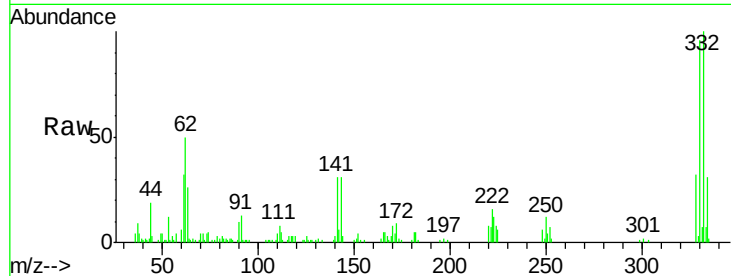
#41
 2,4,6-Tribromophenol
 Concen: 20.718 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

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

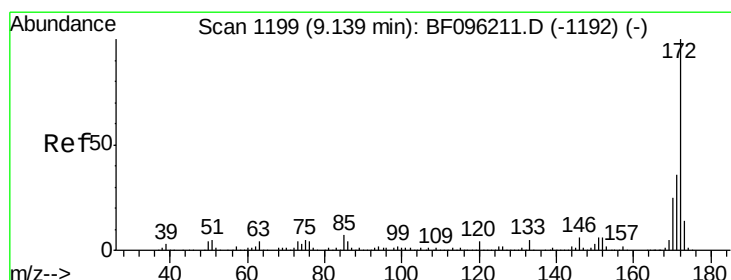
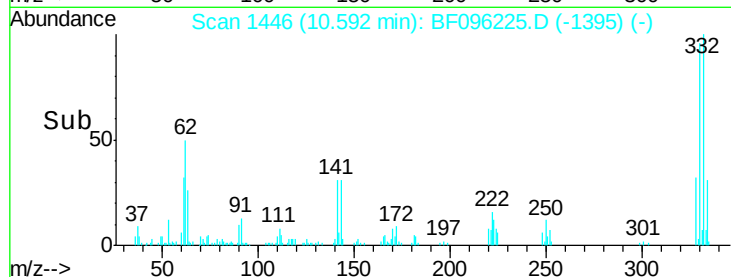
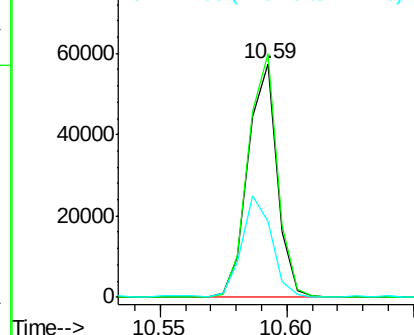
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	46397		
332	104.1	76.6	115.0	
141	44.8	31.4	47.2	

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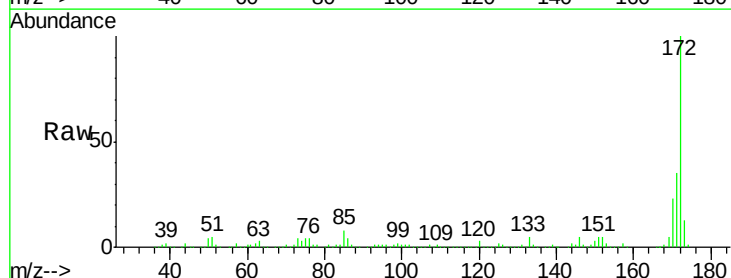


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

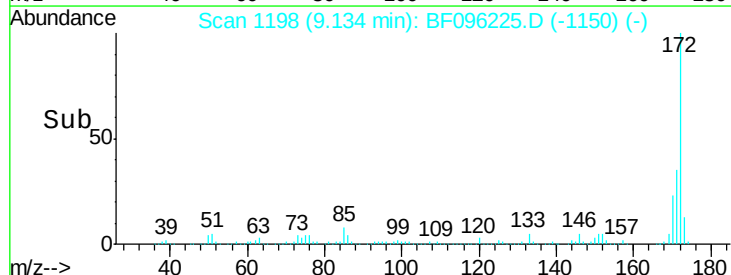
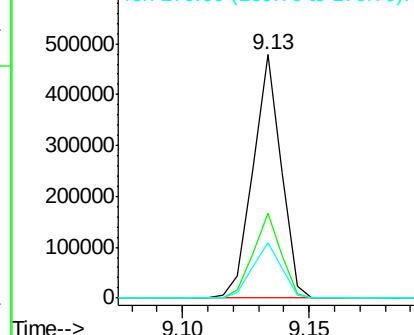


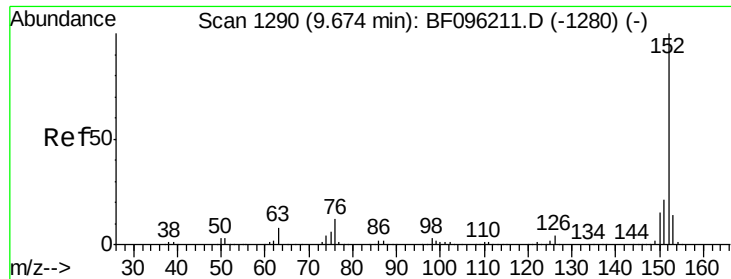
#44
 2-Fluorobiphenyl
 Concen: 23.773 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	369394		
171	35.1	29.6	44.4	
170	22.9	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





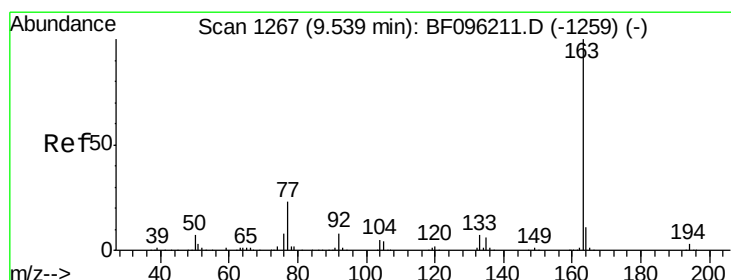
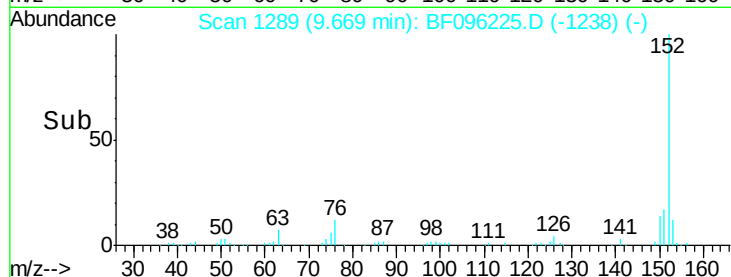
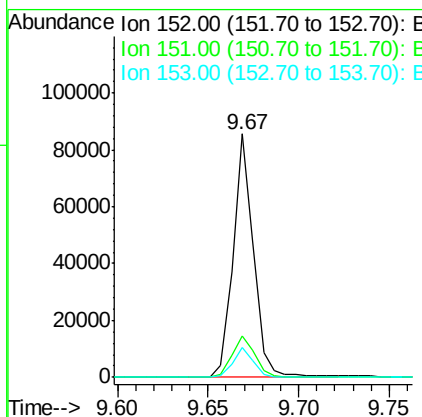
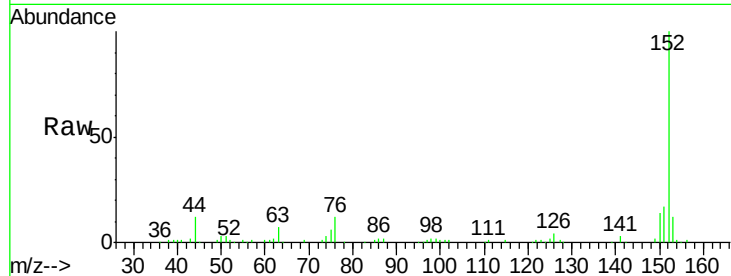
#48
Acenaphthylene
Concen: 2.241 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

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

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.9	16.8	25.2
153	12.4	10.8	16.2

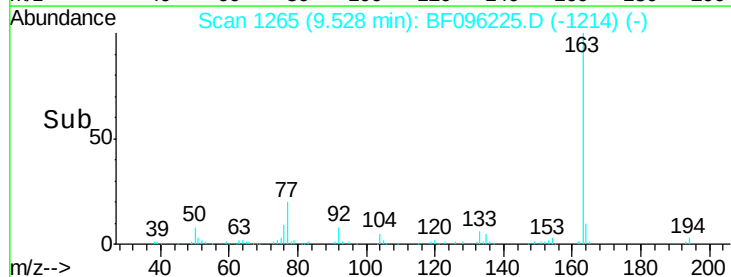
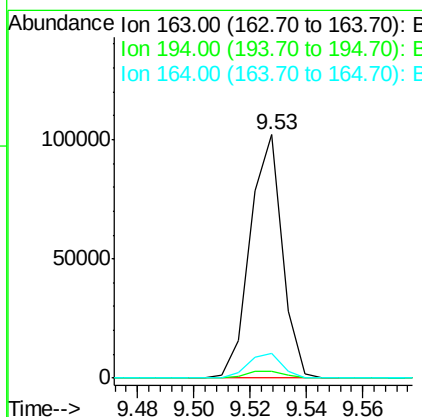
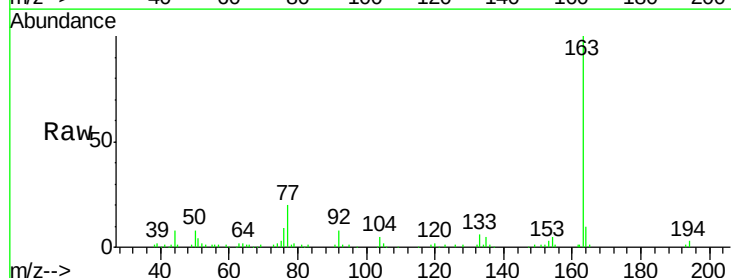
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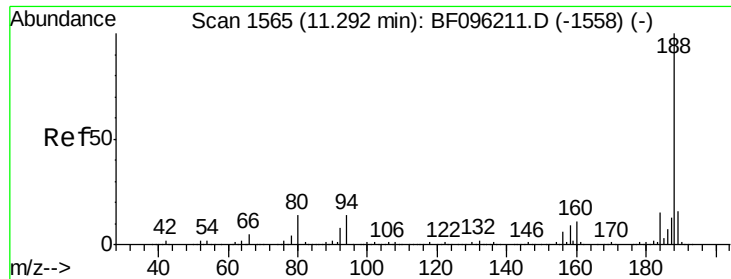
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#49
Dimethylphthalate
Concen: 3.941 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.4	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

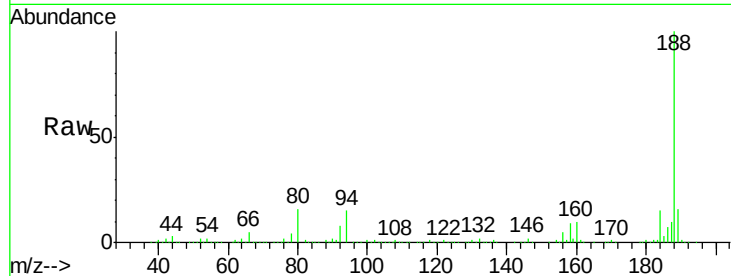
ClientSampleId :

CL-01-062217-E

Tgt Ion:	188	Resp:	378399
Ion Ratio	Lower	Upper	
188	100		
94	14.9	9.4	14.2#
80	15.7	10.2	15.2#

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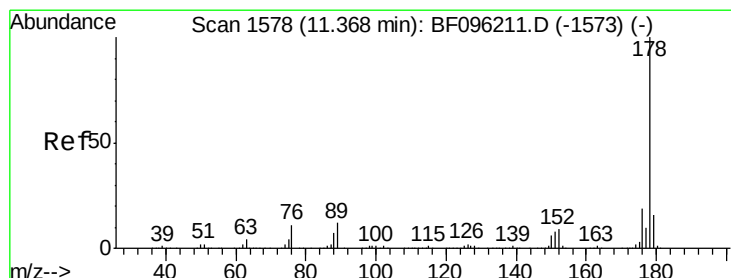
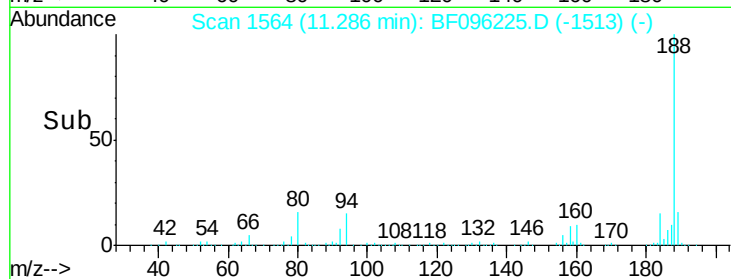
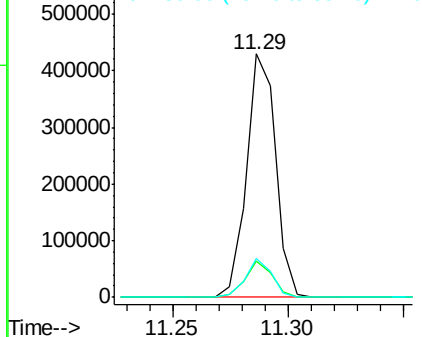
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#71

Anthracene

Concen: 2.838 ng

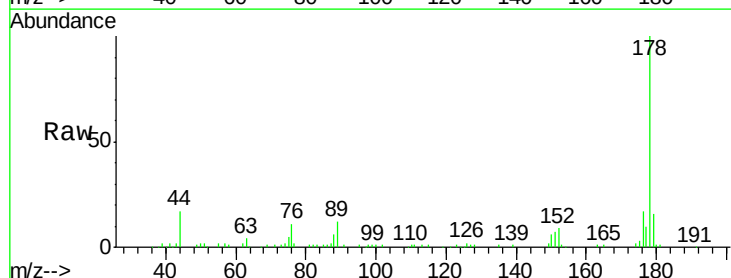
RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

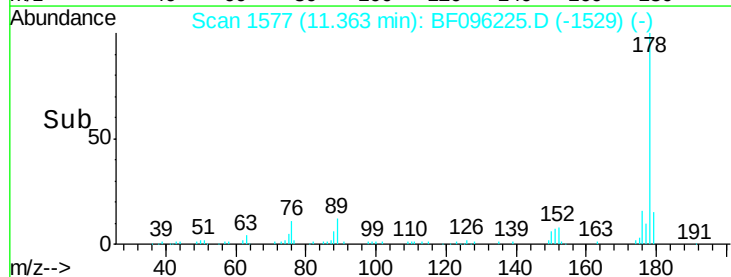
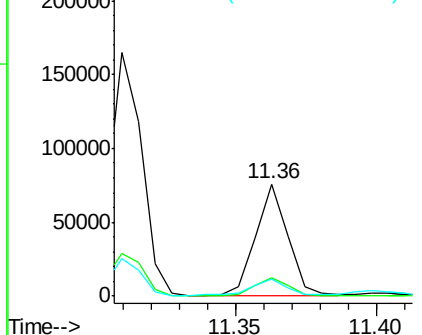
Tgt Ion:	178	Resp:	60020
Ion Ratio	Lower	Upper	
178	100		
176	16.8	15.8	23.8
179	15.7	12.7	19.1

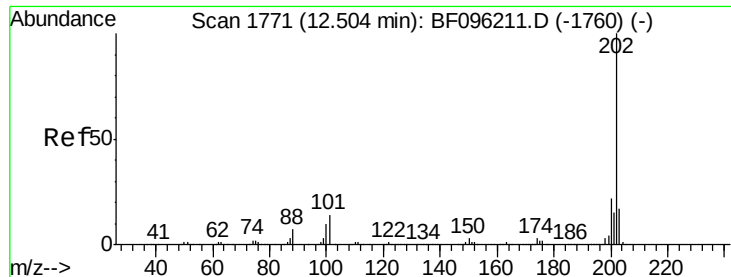


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.305 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

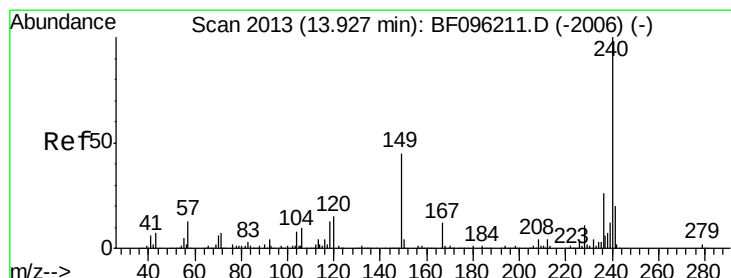
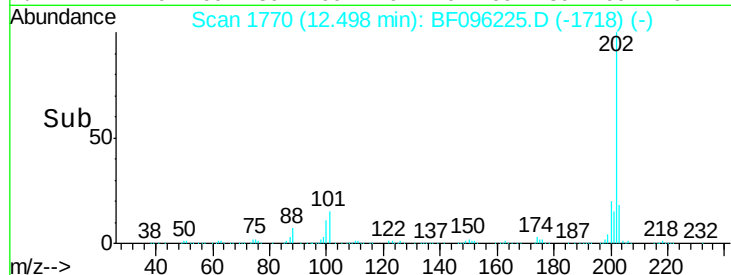
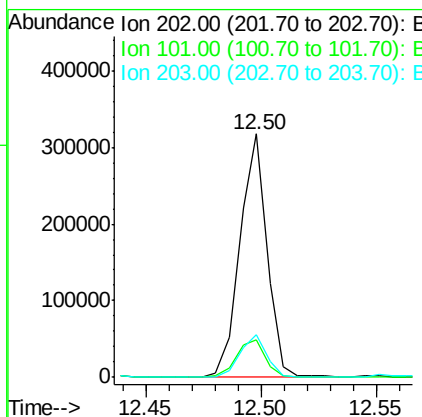
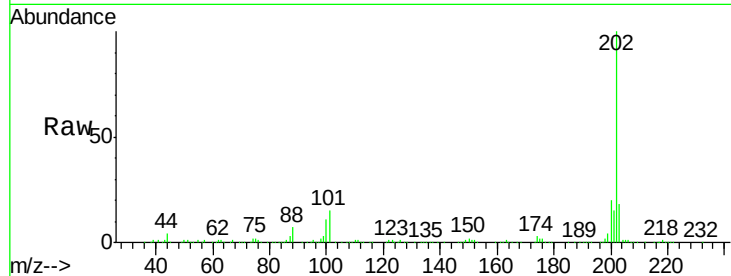
ClientSampleId :

CL-01-062217-E

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	258660		
101	15.4	0.0	33.2	
203	17.7	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

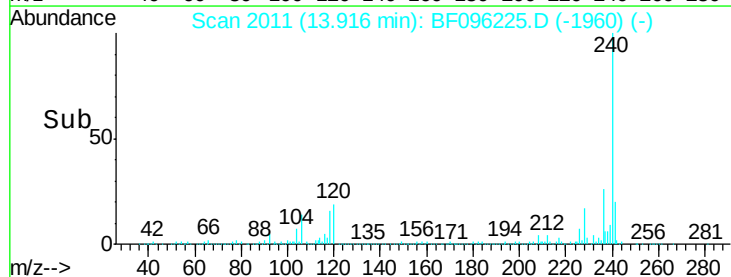
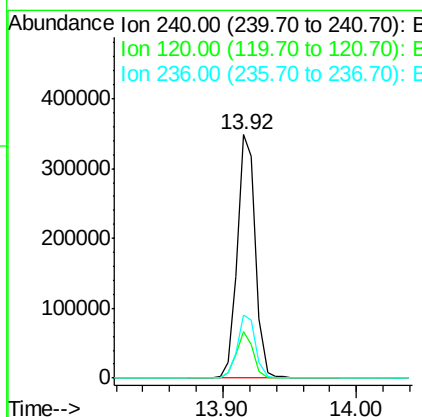
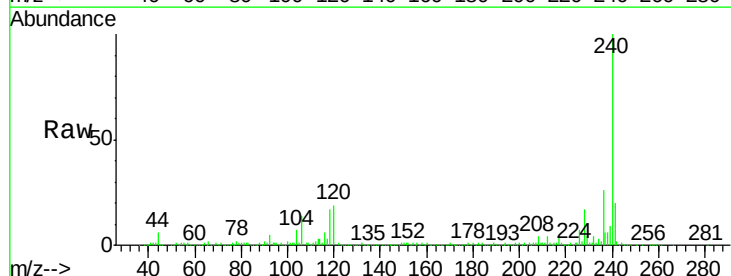
RT: 13.92 min Scan# 2011

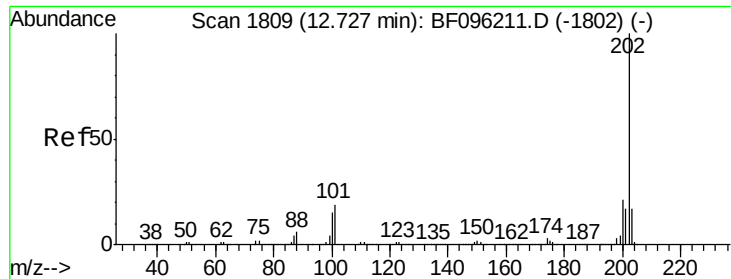
Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	332713		
120	19.3	5.8	8.8#	
236	26.0	20.5	30.7	





#77

Pyrene

Concen: 9.789 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

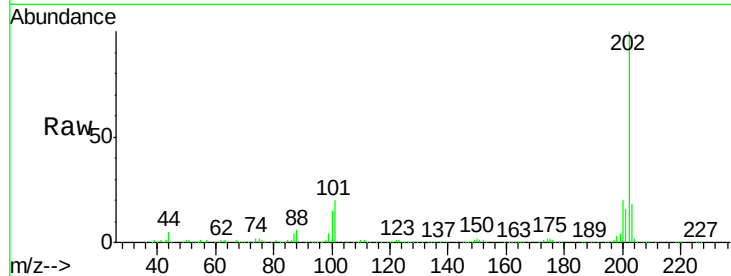
ClientSampleId :

CL-01-062217-E

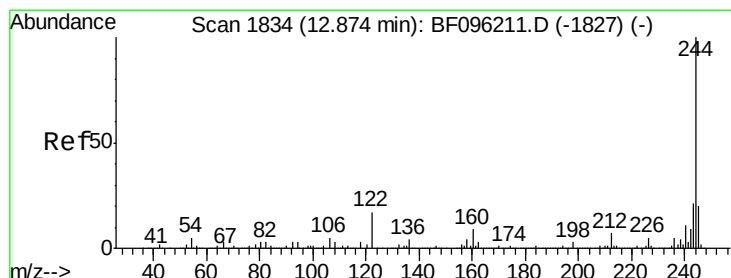
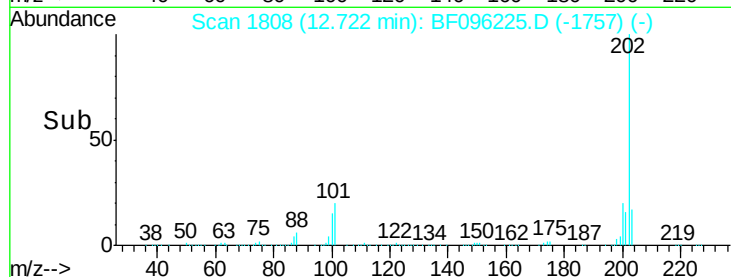
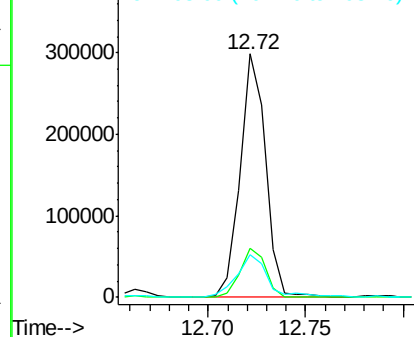
Tgt Ion:	202	Resp:	267664
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.6	26.4
203	17.7	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 14.822 ng

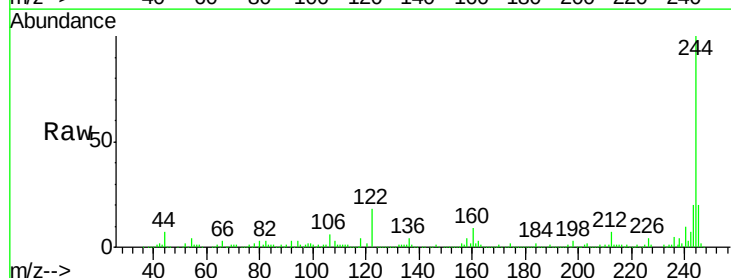
RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

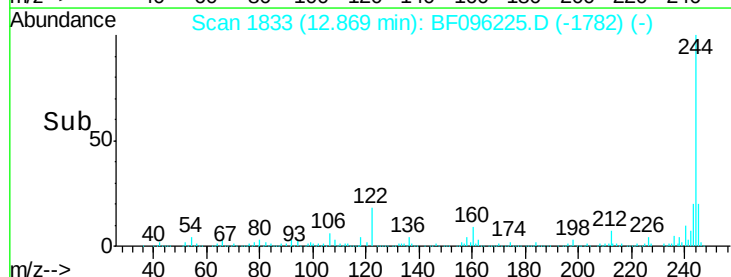
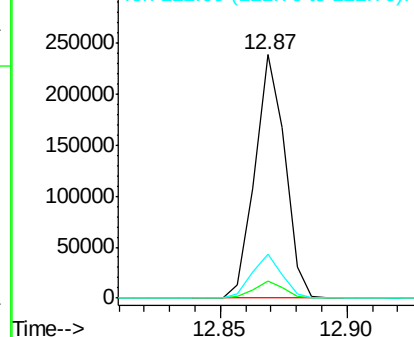
Lab File: BF096225.D

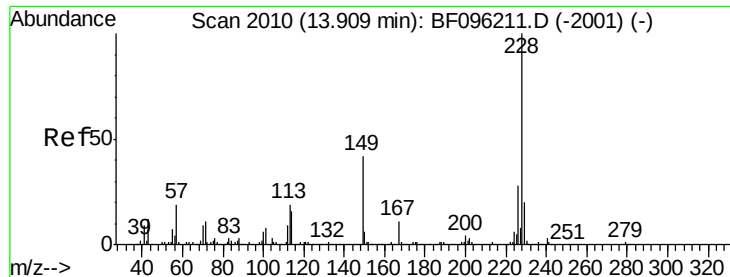
Acq: 27 Jun 2017 19:26

Tgt Ion:	244	Resp:	197638
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	18.0	10.3	15.5



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





#80

Benzo(a)anthracene

Concen: 7.651 ng m

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

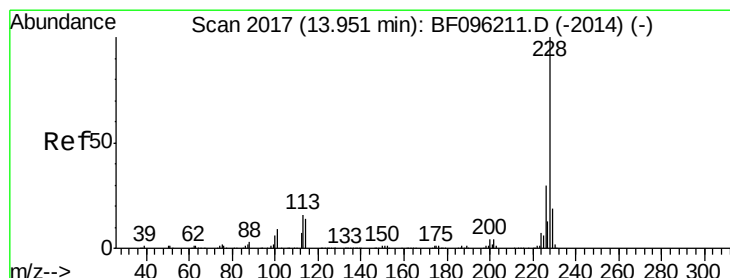
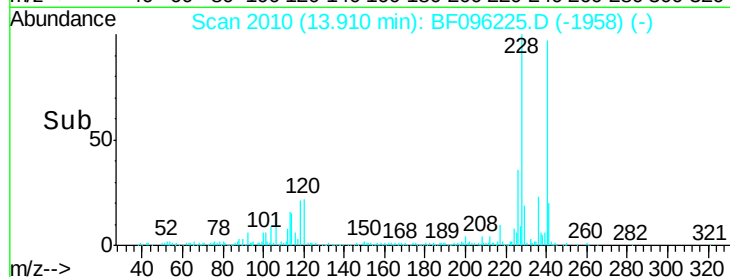
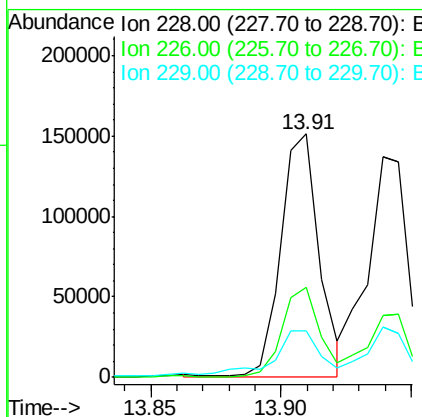
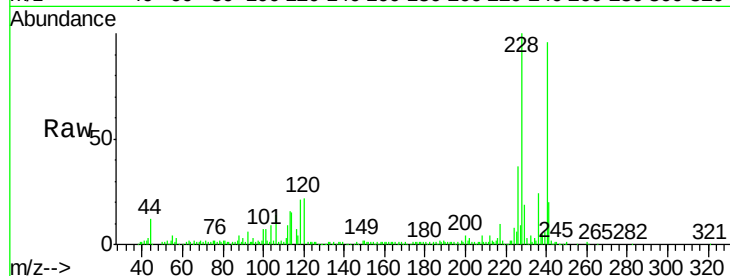
ClientSampleId :

CL-01-062217-E

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.9	22.6	33.8#
229	19.2	16.3	24.5

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#82

Chrysene

Concen: 7.002 ng

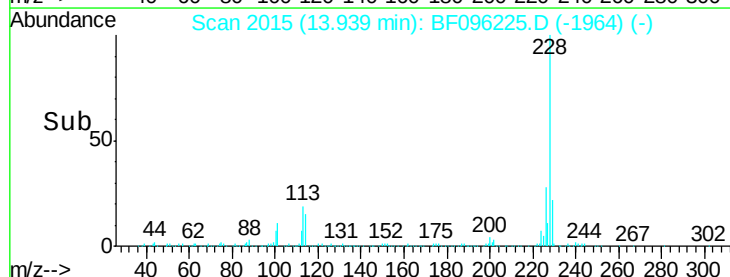
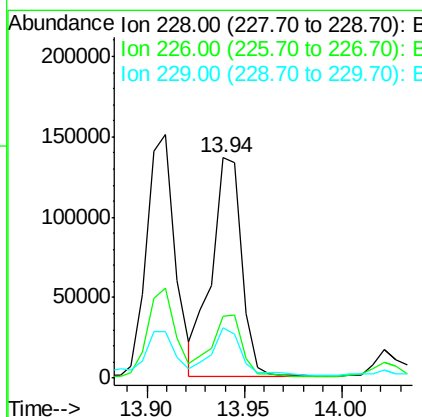
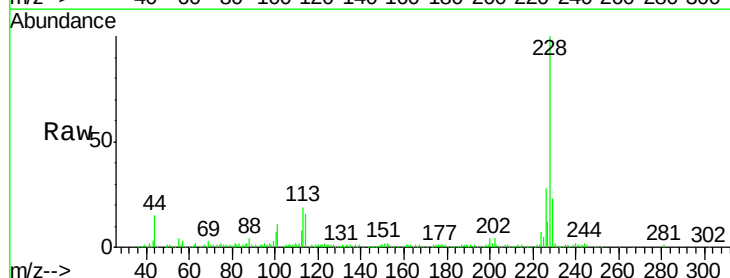
RT: 13.94 min Scan# 2015

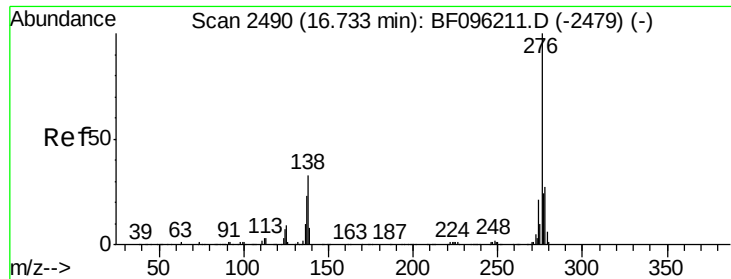
Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.9	37.3
229	22.7	15.8	23.6





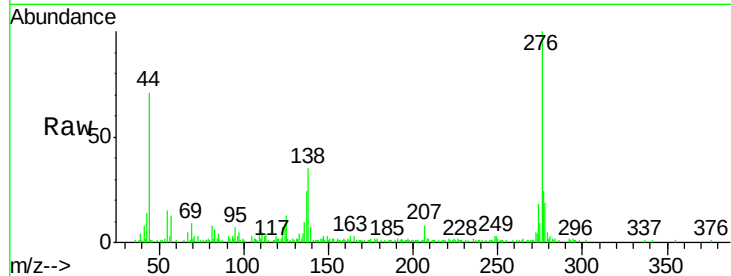
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.701 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.01 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	81859		
138	34.6		27.8	41.6
277	24.1		20.2	30.4

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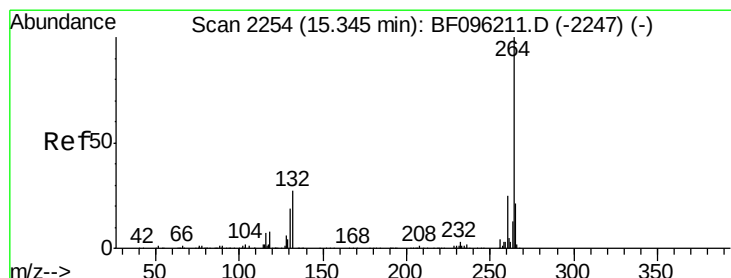
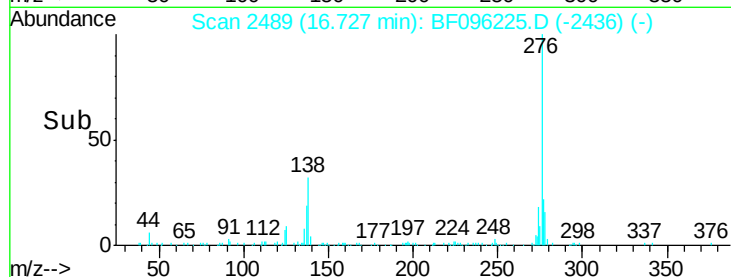
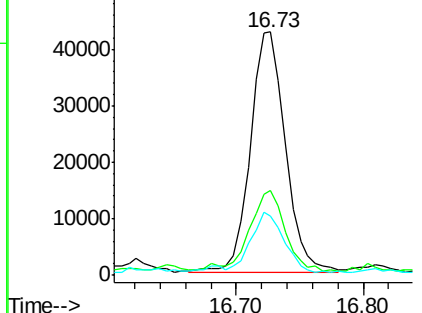


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

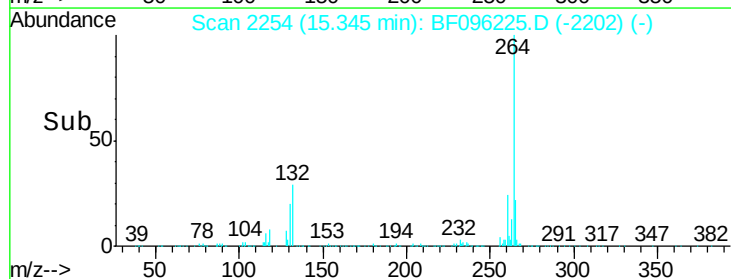
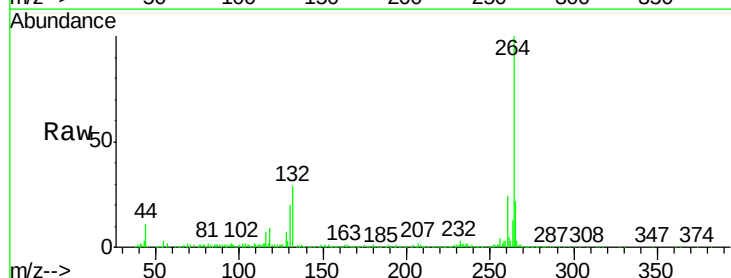
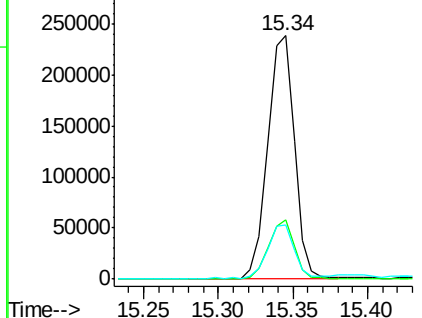
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	297104		
260	24.2		19.5	29.3
265	22.5		17.2	25.8

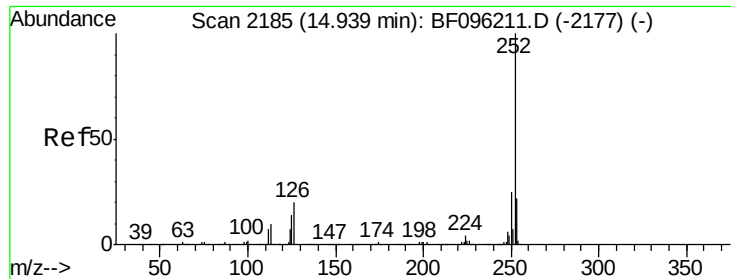
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





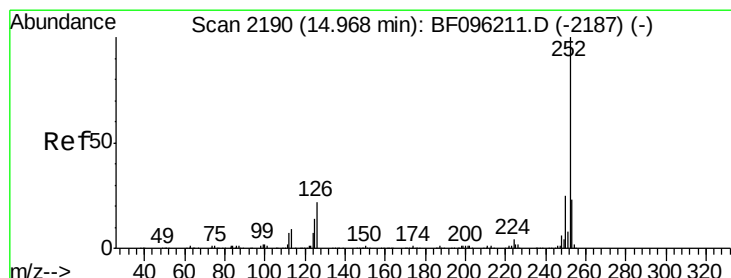
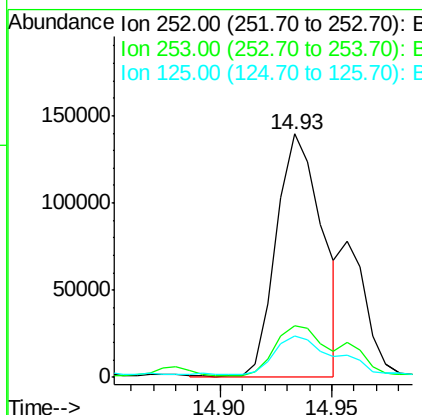
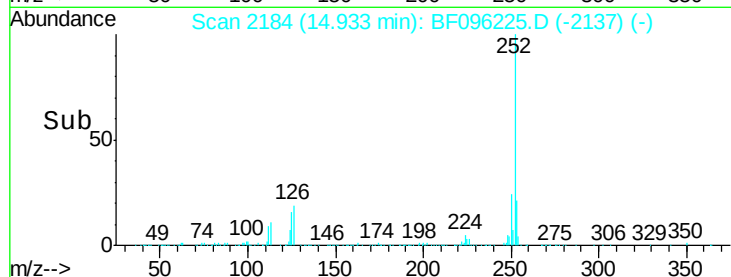
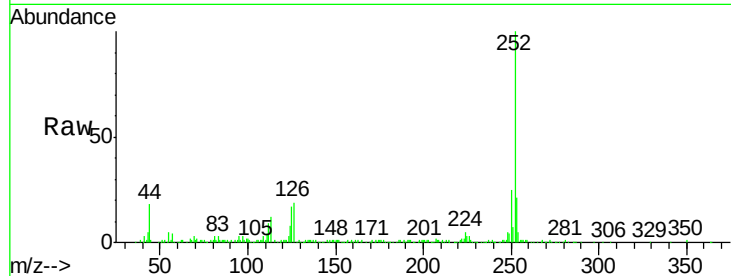
#87
Benzo(b)fluoranthene
Concen: 10.374 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	17.0	9.8	14.8

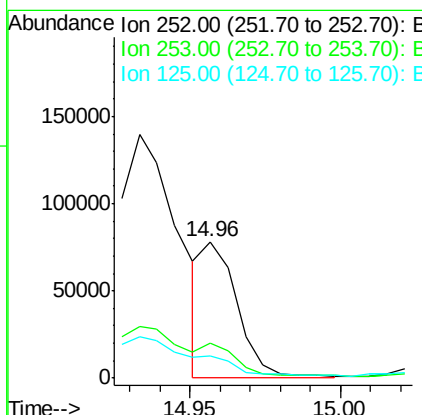
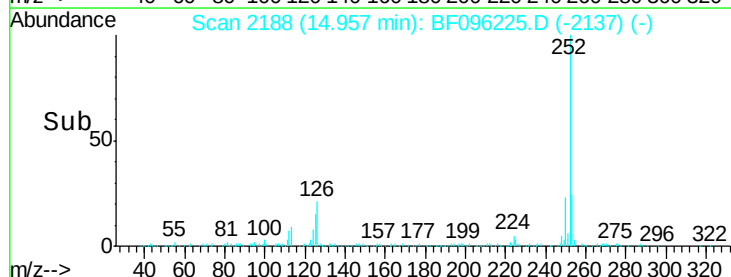
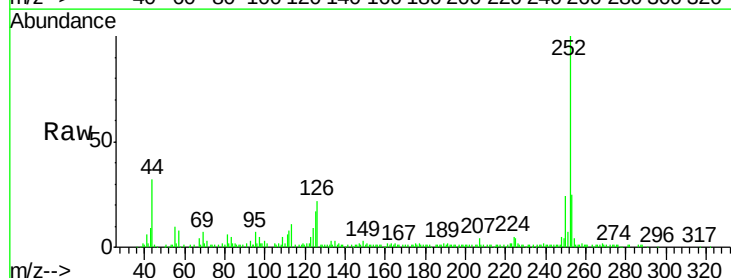
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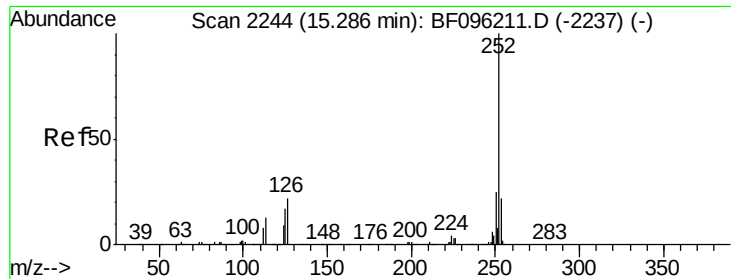
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#88
Benzo(k)fluoranthene
Concen: 3.573 ng m
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	16.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 8.181 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

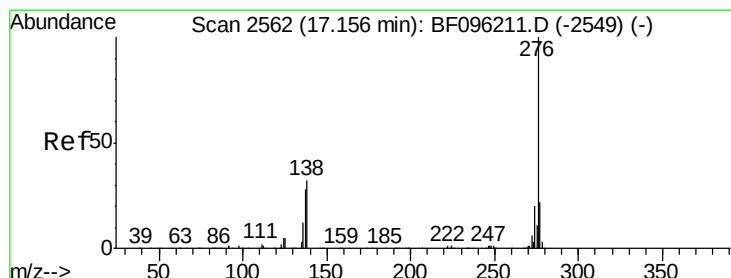
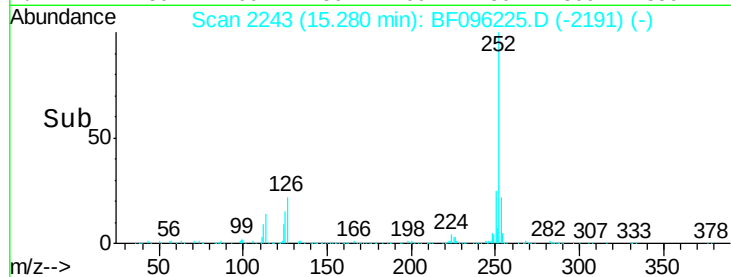
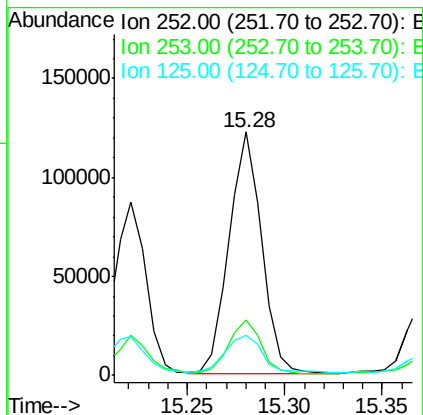
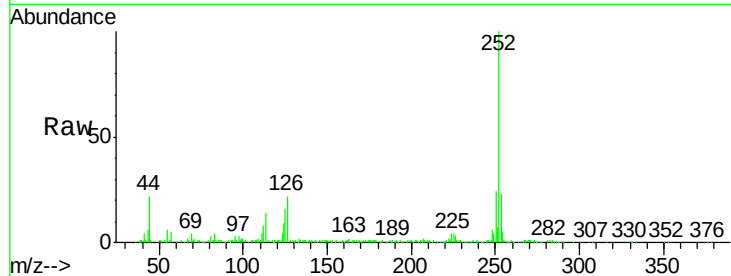
ClientSampleId :

CL-01-062217-E

Tgt Ion:	252	Resp:	141027
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.2	11.0	16.4

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#91

Benzo(g,h,i)perylene

Concen: 5.533 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Tgt Ion:	276	Resp:	77637
Ion Ratio		Lower	Upper
276	100		
277	24.3	18.6	28.0
138	33.9	25.4	38.0

