

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096653.D
 Acq On : 11 Jul 2017 19:22
 Operator : SJ/JU
 Sample : I4105-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-020304-0-6

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Quant Time: Jul 12 03:01:15 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	113556	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	477999	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	169435	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	237511	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	207850	20.00	ng	-0.02
86) Perylene-d12	15.23	264	215000	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	650352	84.53	ng	-0.01
7) Phenol-d6	6.33	99	774557	81.89	ng	-0.02
23) Nitrobenzene-d5	7.25	82	481351	60.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	117753	88.97	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	759801	76.67	ng	-0.02
78) Terphenyl-d14	12.78	244	427633	43.96	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.43	163	87095	6.886	ng	98
57) Fluorene	10.26	166	36455	3.700	ng	# 99
70) Phenanthrene	11.22	178	393676	30.662	ng	98
71) Anthracene	11.27	178	111945	8.556	ng	97
74) Fluoranthene	12.40	202	546547	43.418	ng	98
77) Pyrene	12.63	202	564656	33.845	ng	99
80) Benzo(a)anthracene	13.82	228	306938	25.501	ng	98
82) Chrysene	13.85	228	296068	23.489	ng	96
85) Indeno(1,2,3-cd)pyrene	16.57	276	127192	12.784	ng	95
87) Benzo(b)fluoranthene	14.83	252	317174m	23.544	ng	
88) Benzo(k)fluoranthene	14.86	252	87920m	7.296	ng	
89) Benzo(a)pyrene	15.17	252	249576	20.750	ng	98
90) Dibenzo(a,h)anthracene	16.57	278	35234	3.724	ng	# 74
91) Benzo(g,h,i)perylene	16.97	276	124188	12.666	ng	100

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

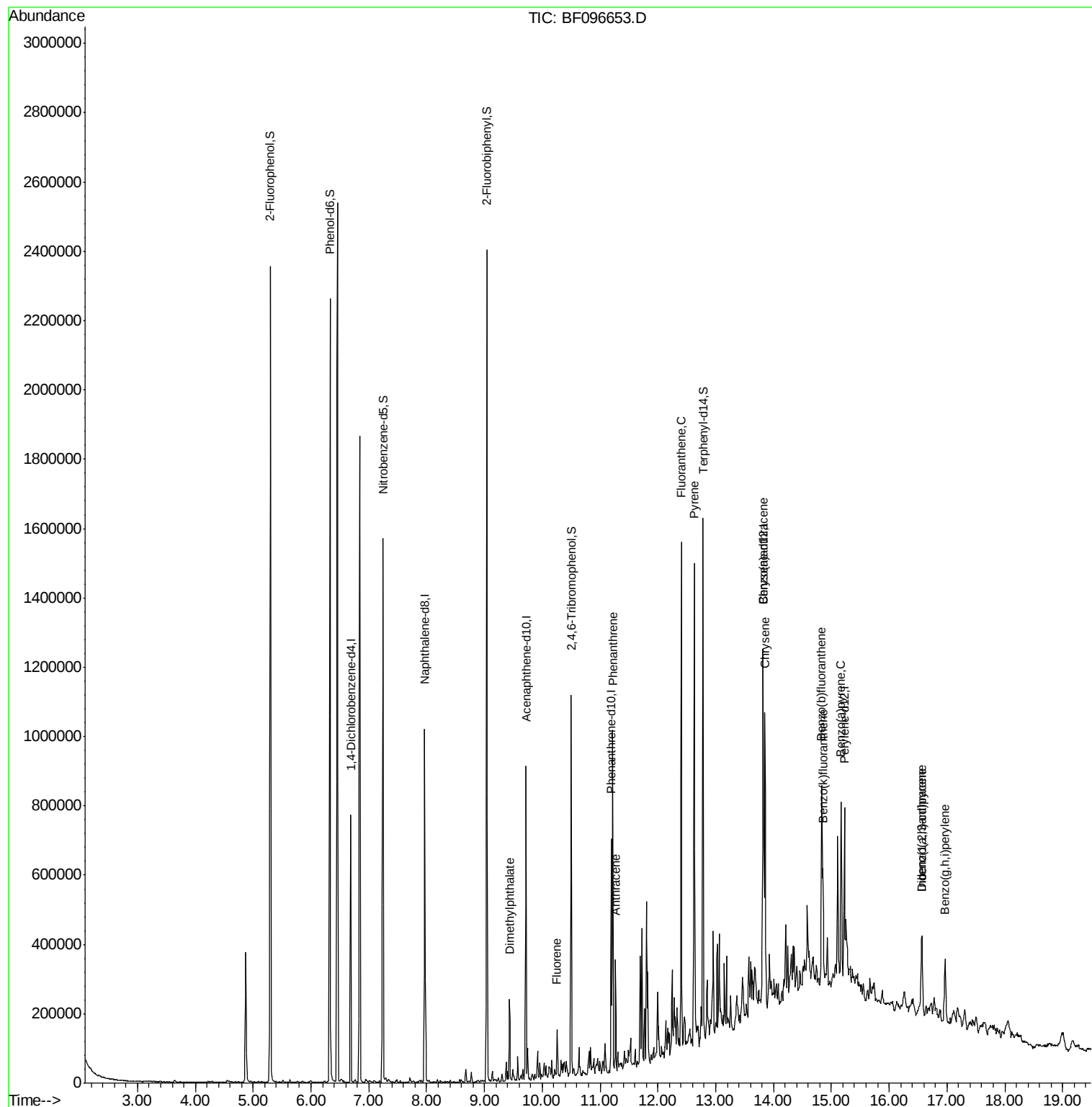
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096653.D
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Operator : SJ/JU
Sample : I4105-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

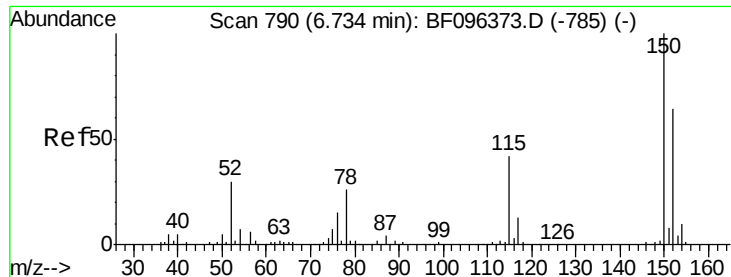
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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#1

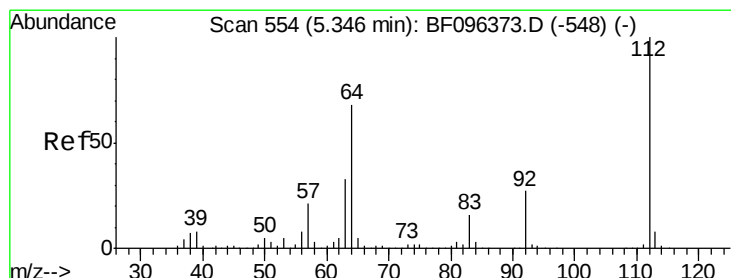
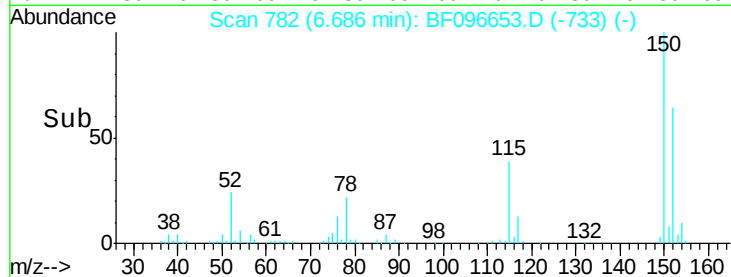
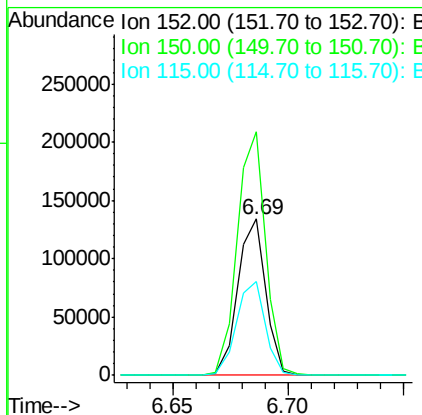
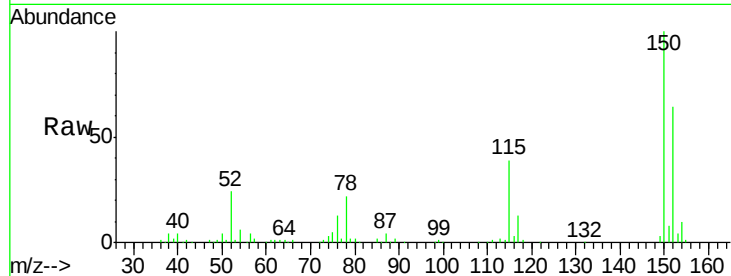
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Instrument :
BNA_F
ClientSampleId :
CIY-SB-020304-0-6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	113556		
150	156.1	126.2	189.2	
115	60.6	52.2	78.2	

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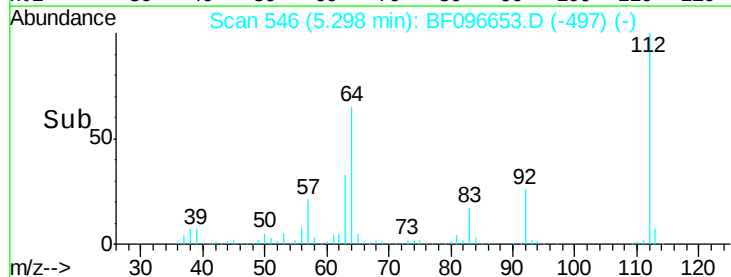
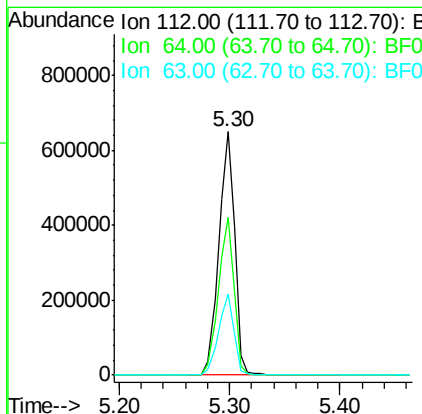
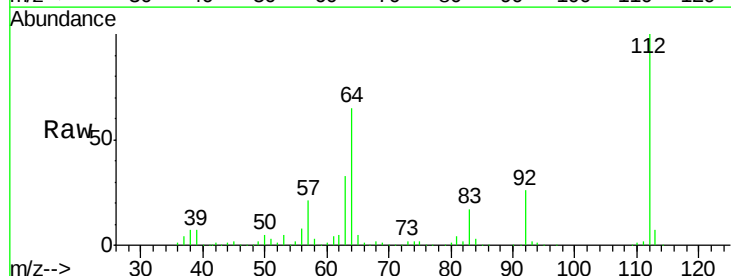
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#5

2-Fluorophenol
Concen: 84.531 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	650352		
64	64.8	46.0	69.0	
63	33.3	23.4	35.0	





#7

Phenol-d6

Concen: 81.892 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Instrument :

BNA_F

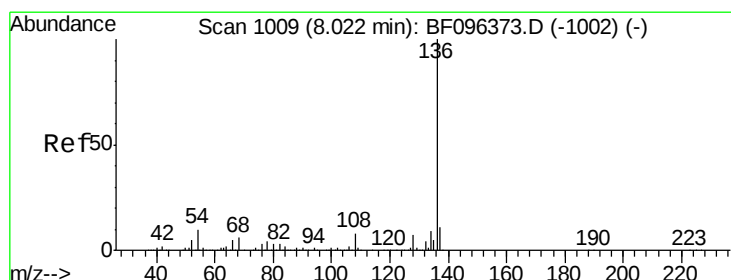
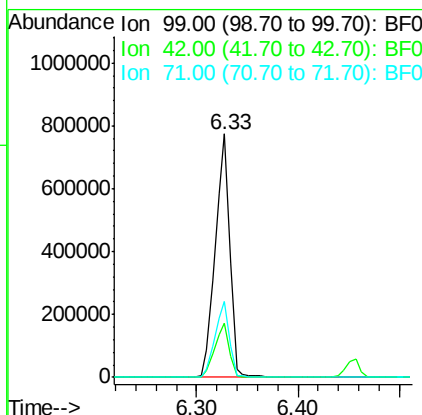
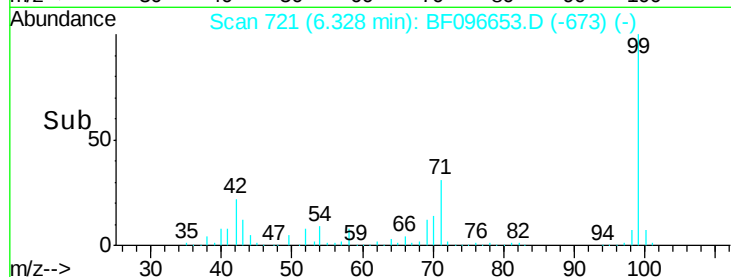
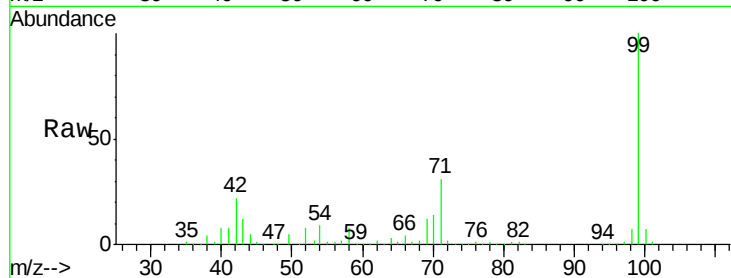
ClientSampleId :

CIY-SB-020304-0-6

Tgt Ion:	99	Resp:	774557
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

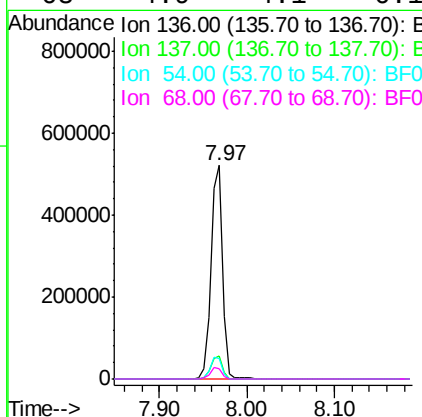
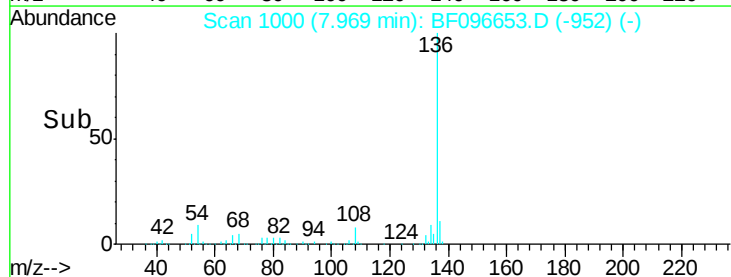
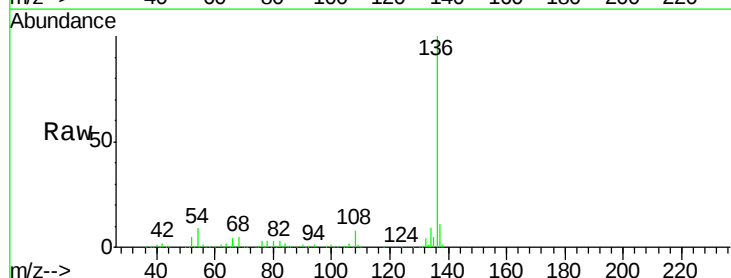
RT: 7.97 min Scan# 1000

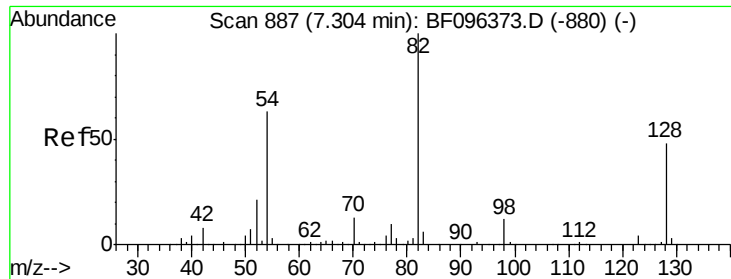
Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Tgt Ion:	136	Resp:	477999
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	9.5	4.9	7.3#
68	4.9	4.1	6.1





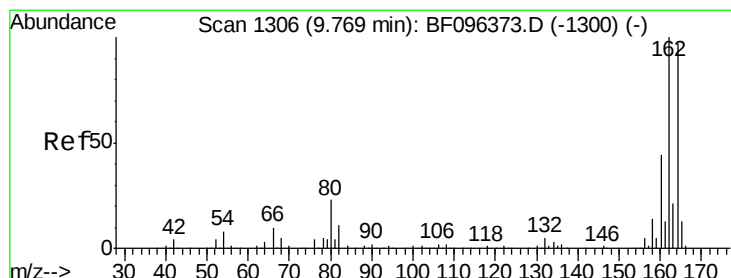
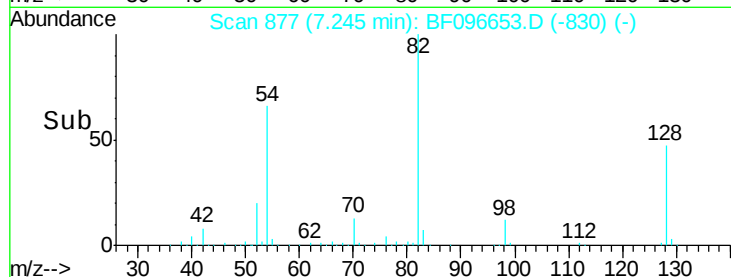
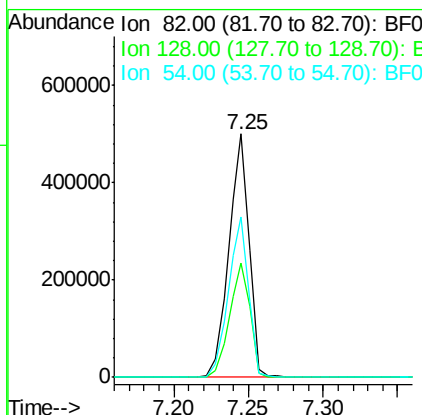
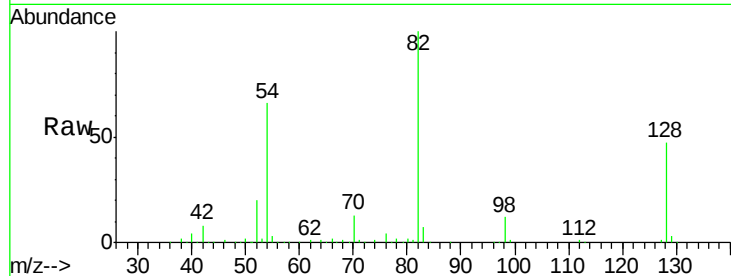
#23
 Nitrobenzene-d5
 Concen: 60.512 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF096653.D
 Acq: 11 Jul 2017 19:22

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	481351		
128	47.0	34.0	51.0	
54	65.7	42.2	63.2	

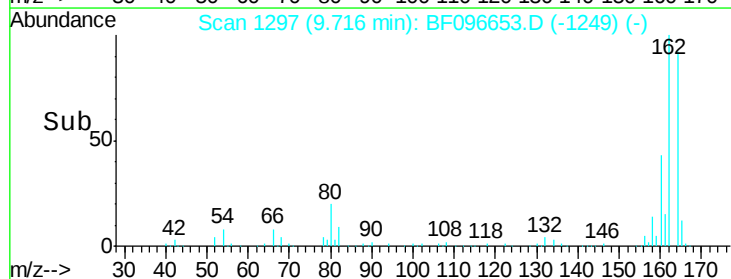
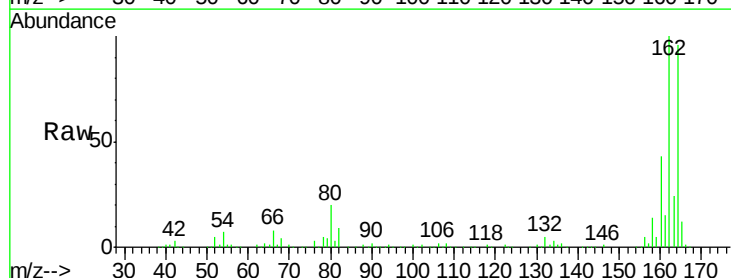
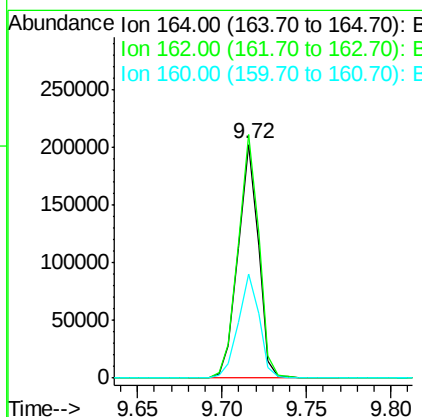
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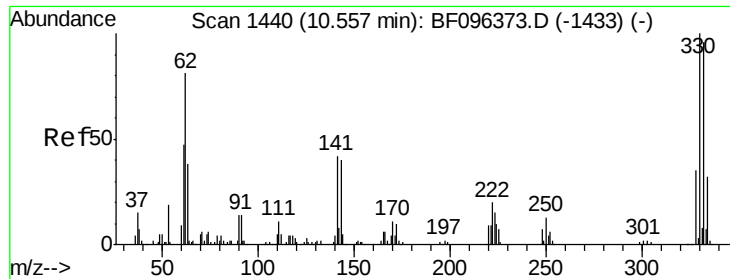
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096653.D
 Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169435		
162	104.3	82.6	123.8	
160	44.7	36.2	54.2	





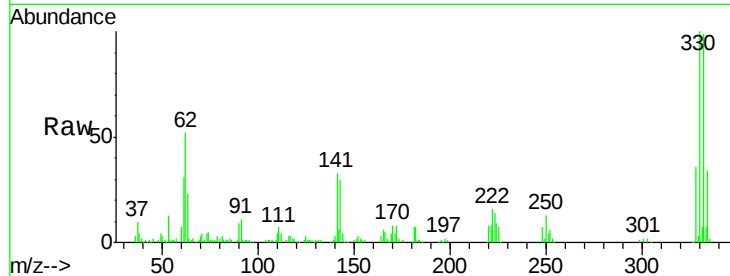
#41
 2,4,6-Tribromophenol
 Concen: 88.971 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096653.D
 Acq: 11 Jul 2017 19:22

Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-020304-0-6

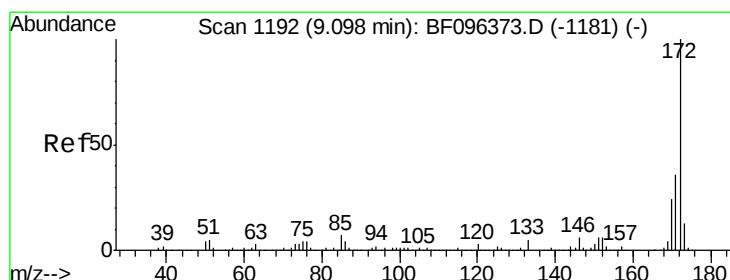
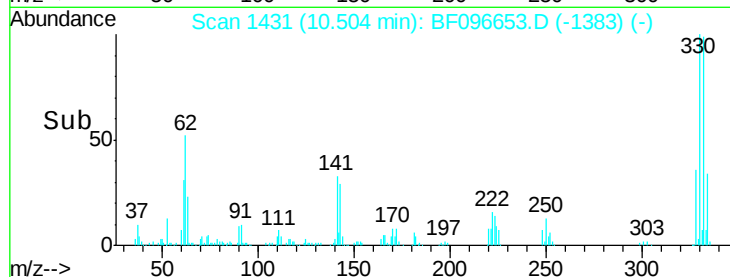
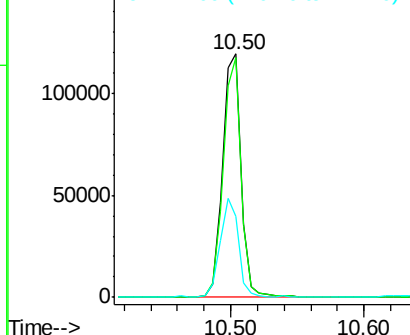
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	117753		
332	95.7	76.6	115.0	
141	40.4	31.4	47.2	

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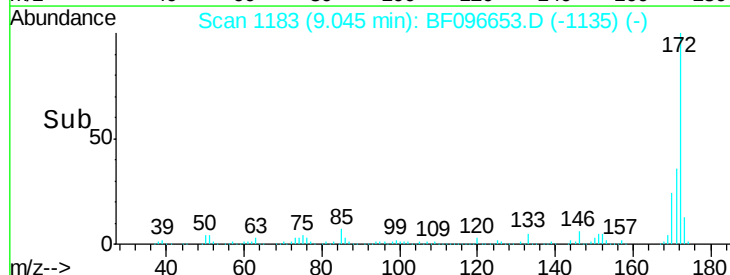
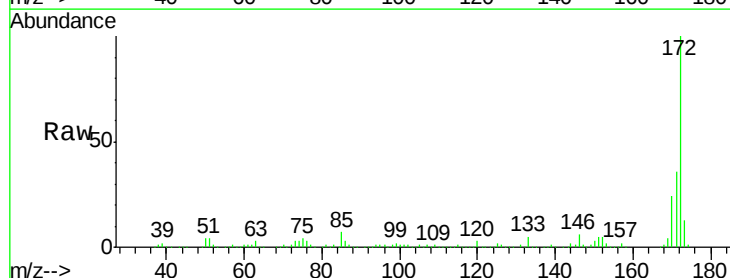
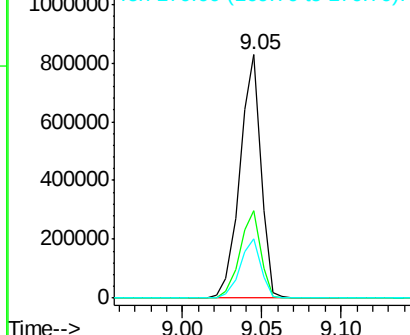
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

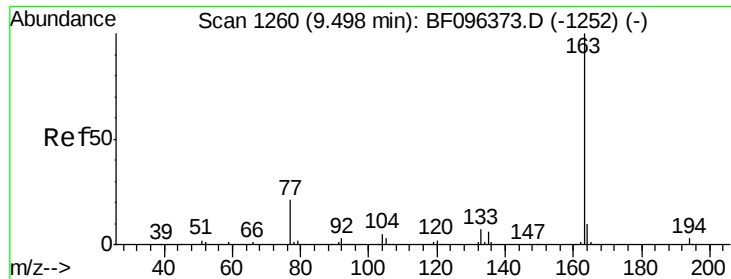


#44
 2-Fluorobiphenyl
 Concen: 76.672 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096653.D
 Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	759801		
171	35.9	29.6	44.4	
170	24.4	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





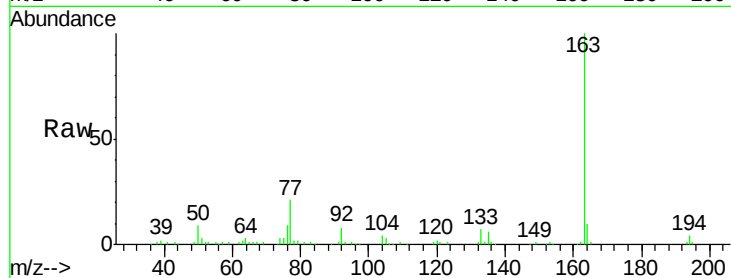
#49
Dimethylphthalate
Concen: 6.886 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Instrument :
BNA_F
ClientSampleId :
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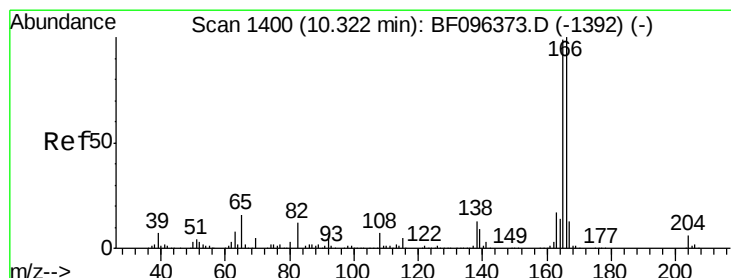
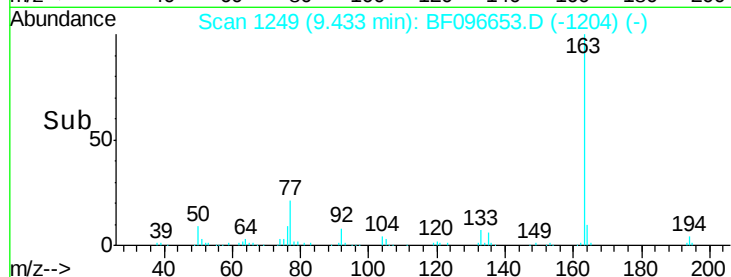
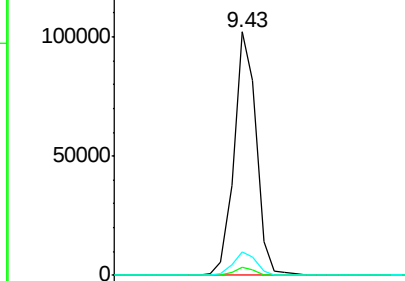
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	87095		
194	3.5	2.6	4.0	
164	9.8	8.4	12.6	

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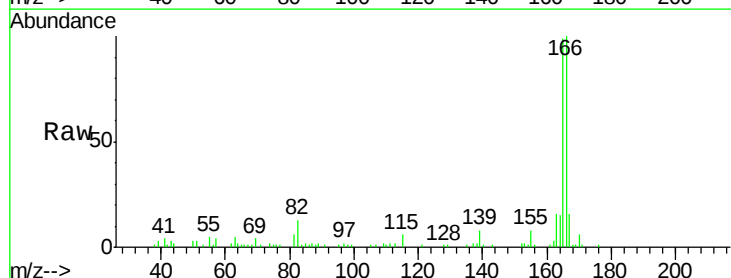


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

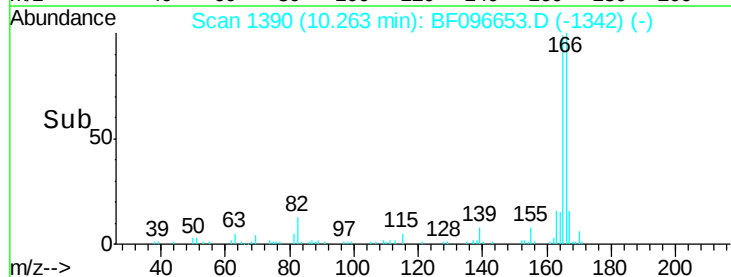
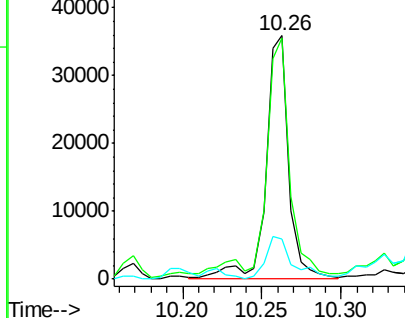


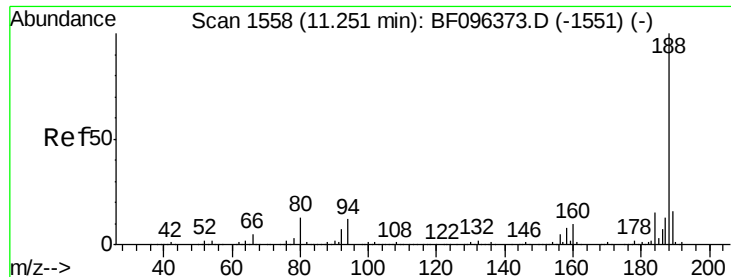
#57
Fluorene
Concen: 3.700 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	36455		
165	99.0	78.8	118.2	
167	16.2	10.6	16.0#	



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: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Instrument :

BNA_F

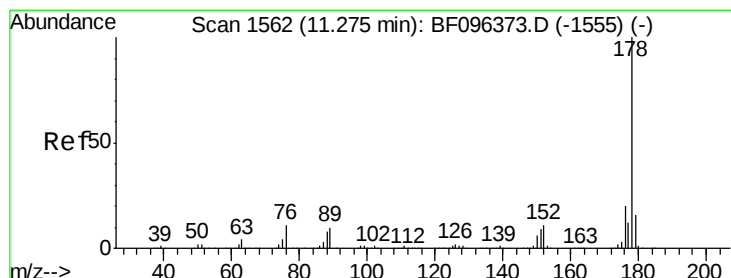
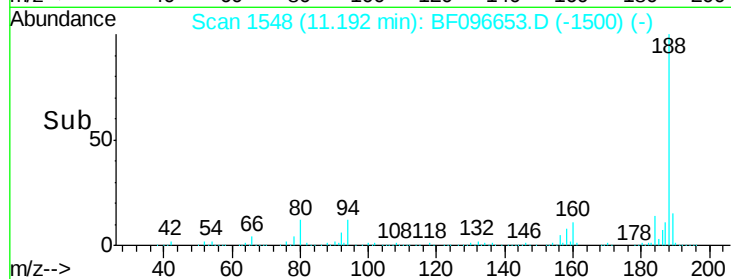
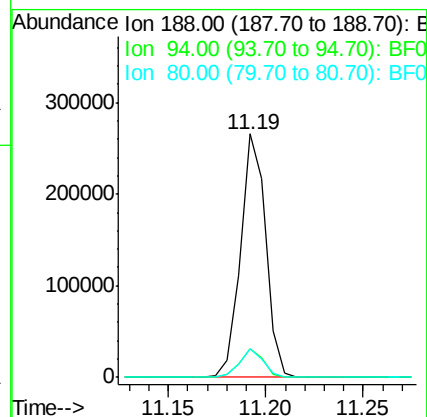
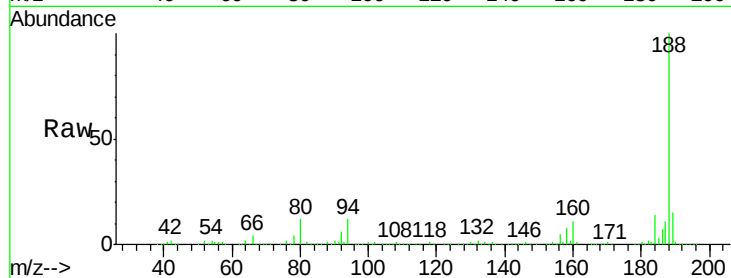
ClientSampleId :

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Tgt Ion:	188	Resp:	237511
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.4	14.2
80	11.8	10.2	15.2

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#70

Phenanthrene

Concen: 30.662 ng

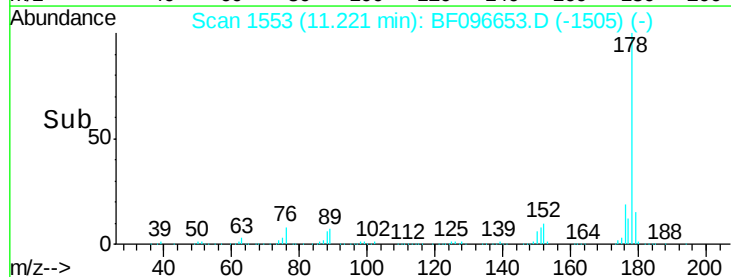
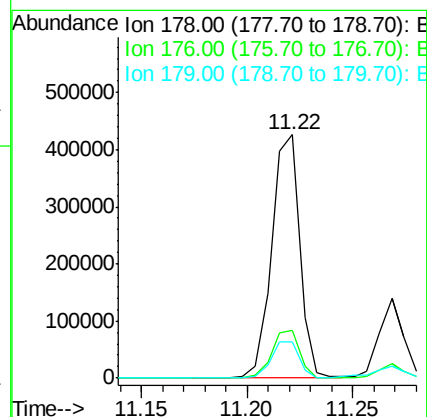
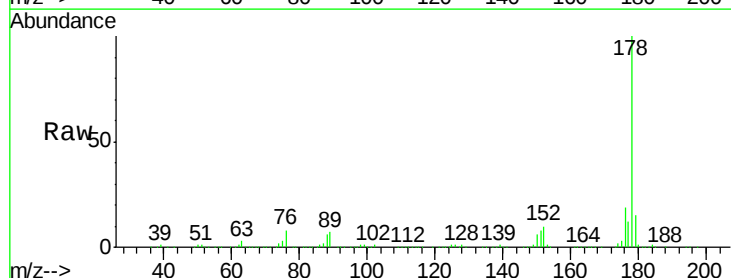
RT: 11.22 min Scan# 1553

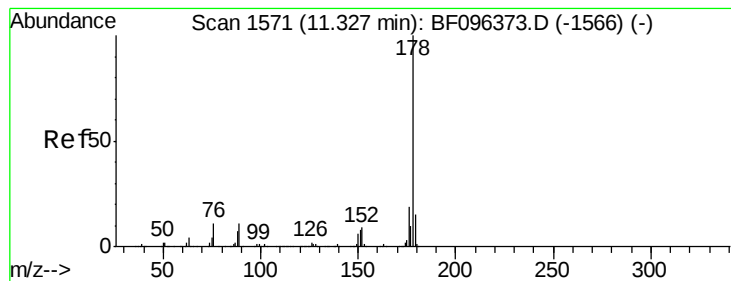
Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Tgt Ion:	178	Resp:	393676
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.2	24.4
179	14.8	12.6	19.0





#71

Anthracene

Concen: 8.556 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Instrument :

BNA_F

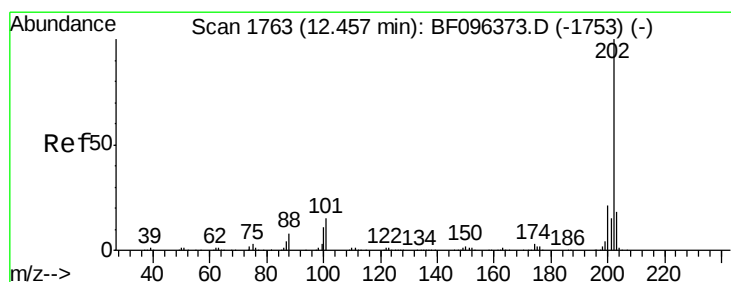
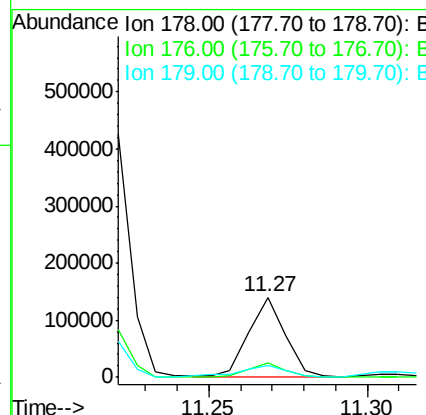
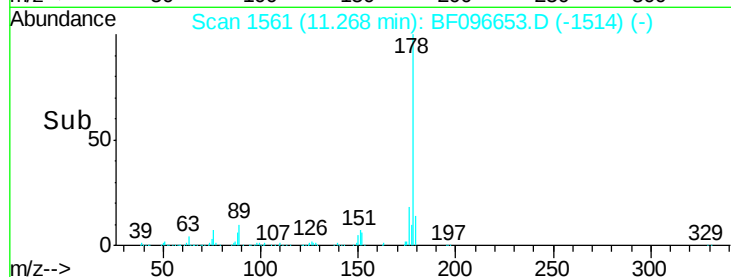
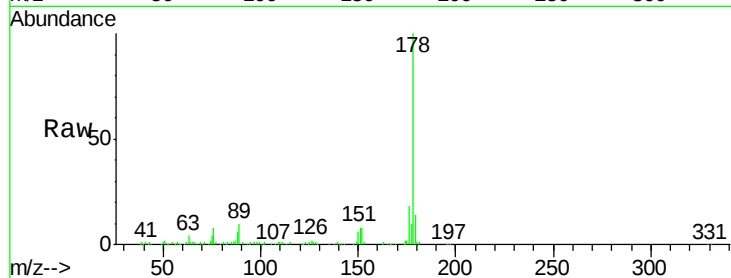
ClientSampleId :

CIY-SB-020304-0-6

Tgt Ion:	178	Resp:	111945
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.8	23.8
179	14.4	12.7	19.1

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#74

Fluoranthene

Concen: 43.418 ng

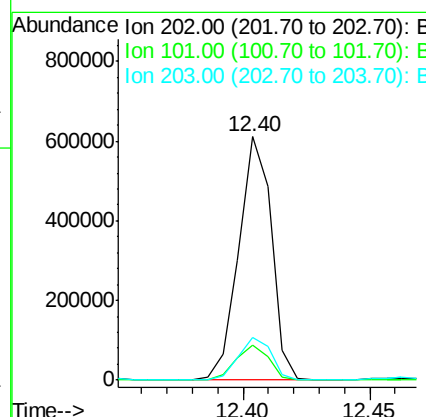
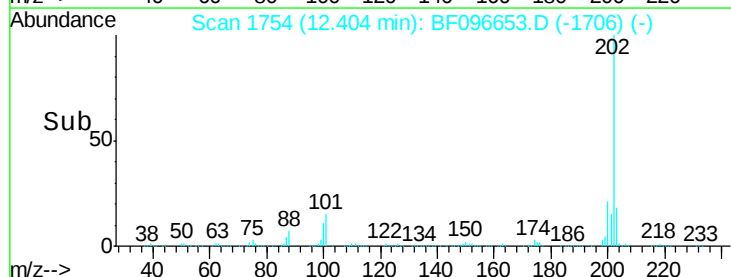
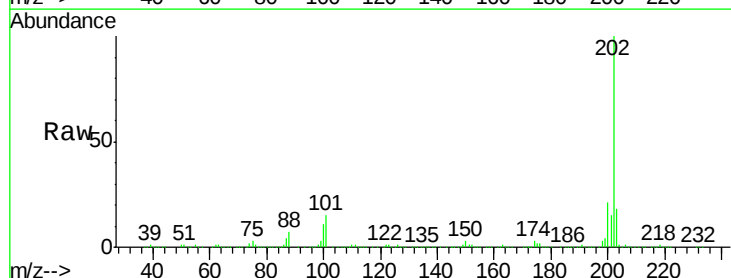
RT: 12.40 min Scan# 1754

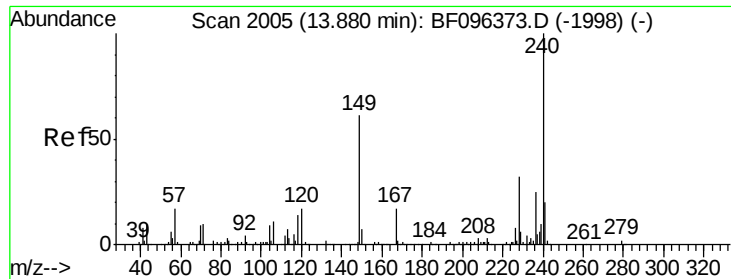
Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Tgt Ion:	202	Resp:	546547
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Instrument :

BNA_F

ClientSampleId :

CIY-SB-020304-0-6

Tgt Ion: 240 Resp: 207850

Ion Ratio Lower Upper

240 100

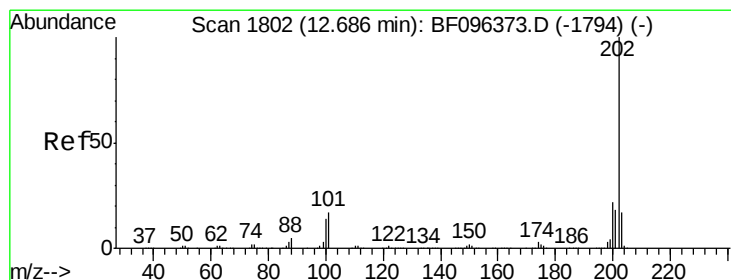
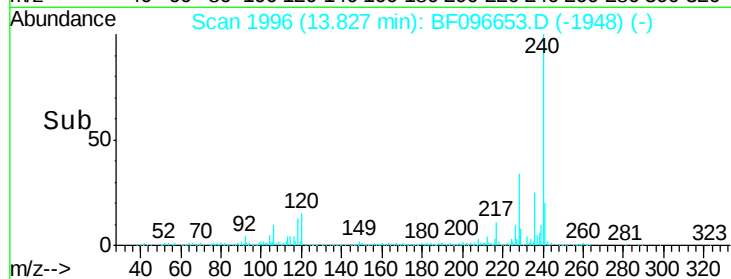
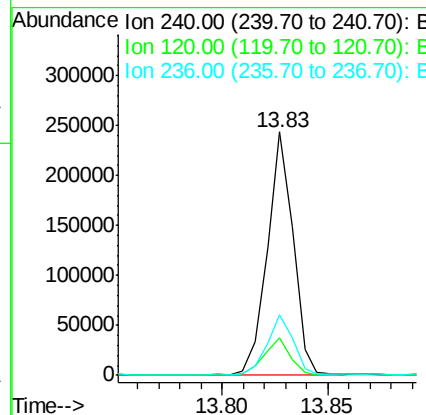
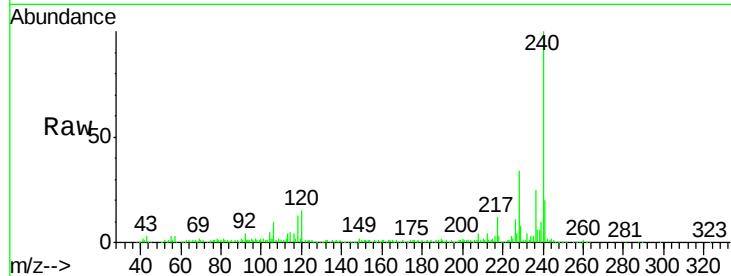
120 15.2 5.8 8.8#

236 25.0 20.5 30.7

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#77

Pyrene

Concen: 33.845 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

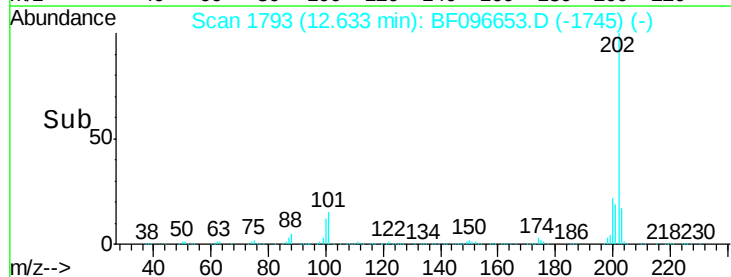
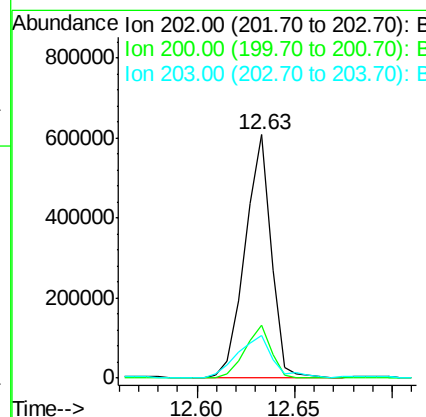
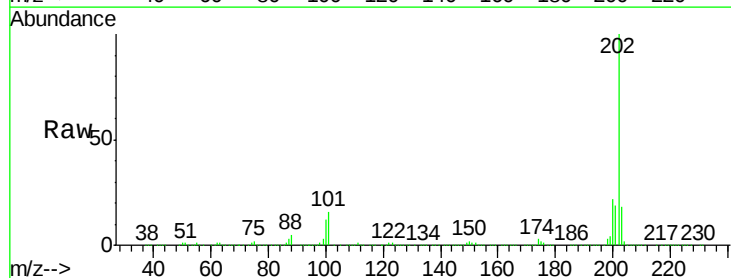
Tgt Ion: 202 Resp: 564656

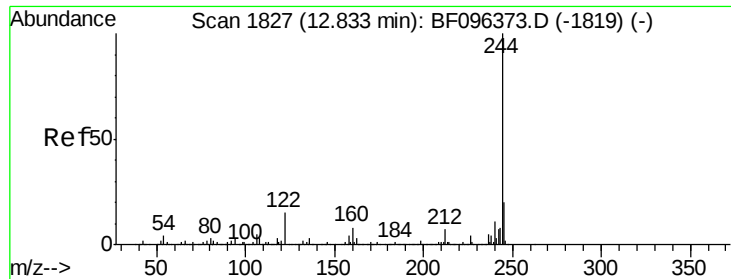
Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

203 17.5 14.4 21.6





#78

Terphenyl-d14

Concen: 43.964 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Instrument :

BNA_F

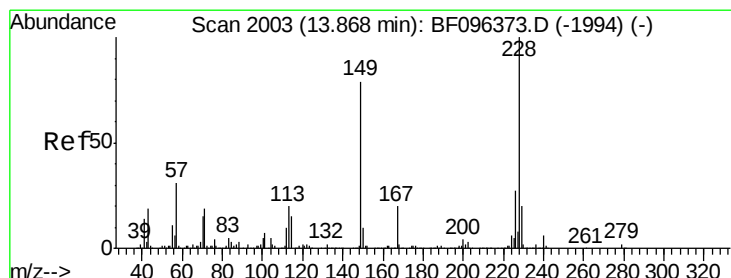
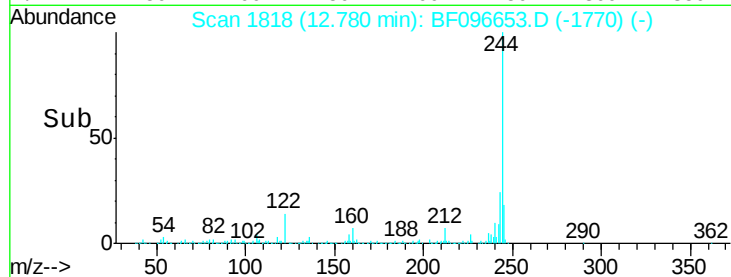
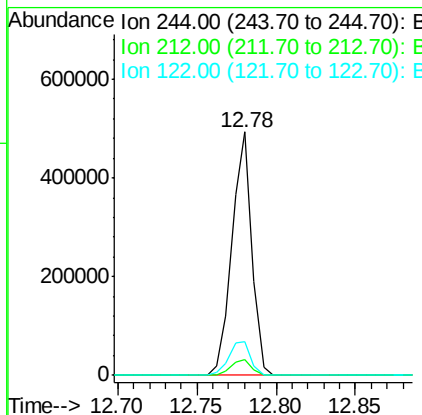
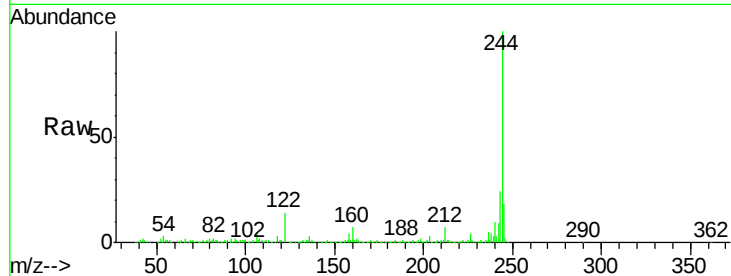
ClientSampleId :

CIY-SB-020304-0-6

Tgt Ion:	244	Resp:	427633
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	13.7	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 25.501 ng

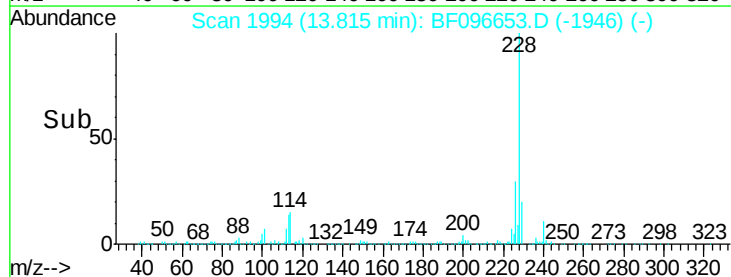
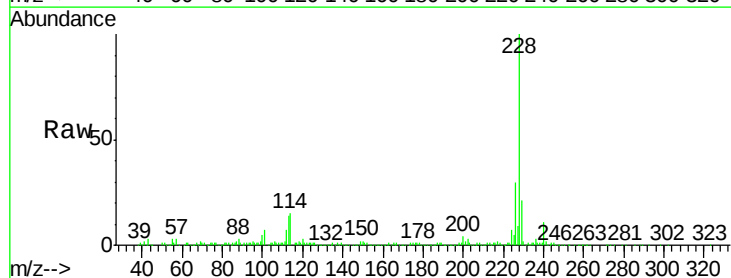
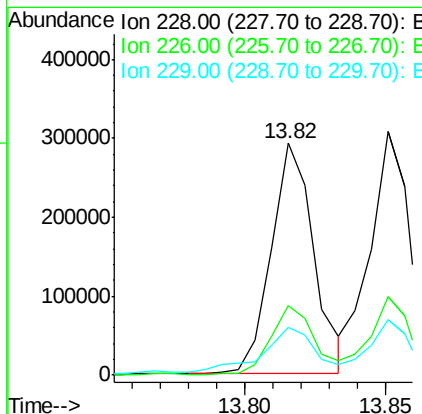
RT: 13.82 min Scan# 1994

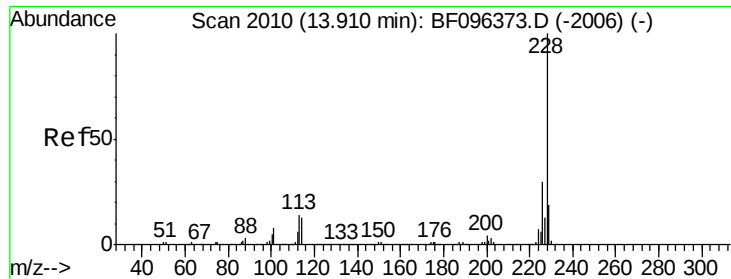
Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Tgt Ion:	228	Resp:	306938
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	33.8
229	20.8	16.3	24.5





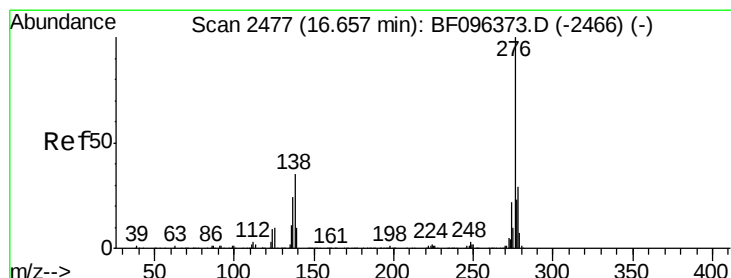
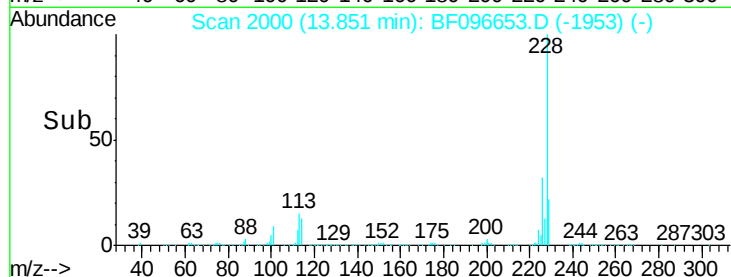
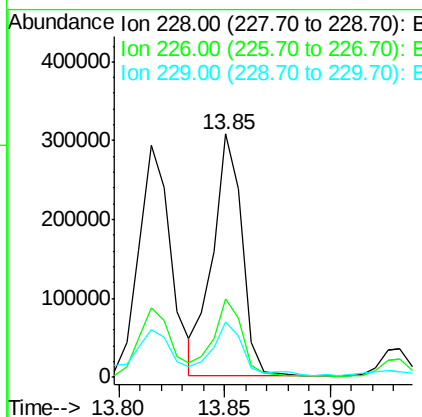
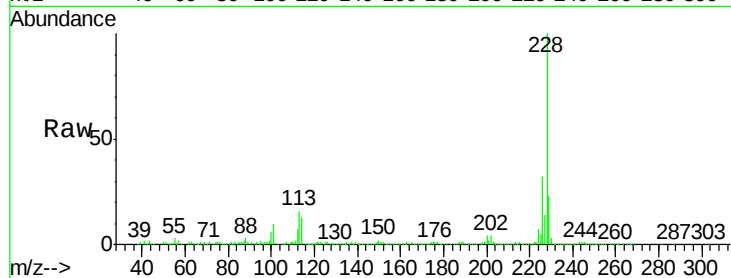
#82
Chrysene
Concen: 23.489 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Instrument :
BNA_F
ClientSampleId :
CIY-SB-020304-0-6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.9	37.3
229	22.6	15.8	23.6

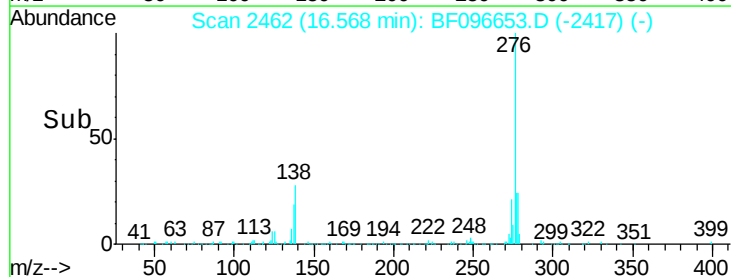
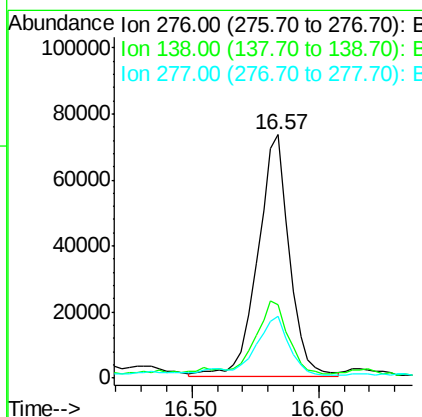
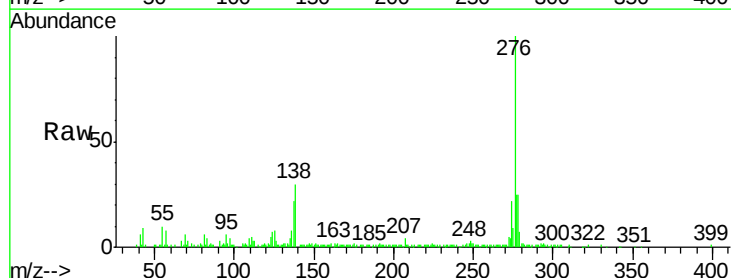
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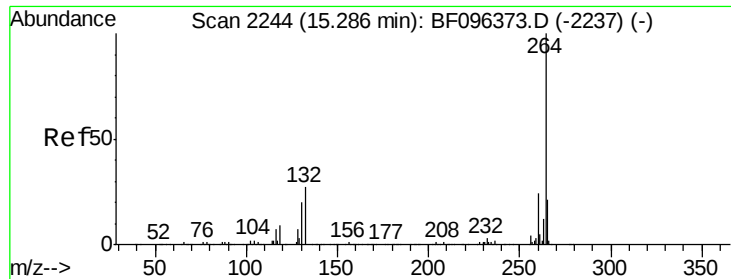
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.784 ng
RT: 16.57 min Scan# 2462
Delta R.T. -0.04 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	24.4	20.2	30.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Instrument :

BNA_F

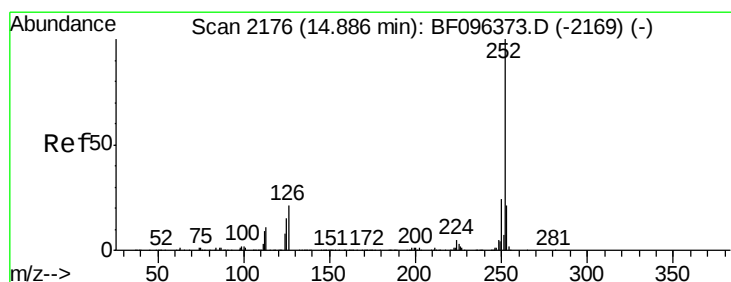
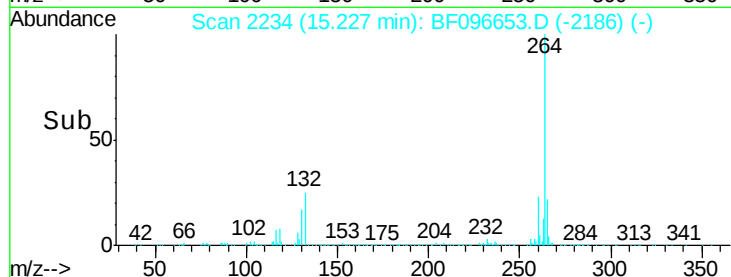
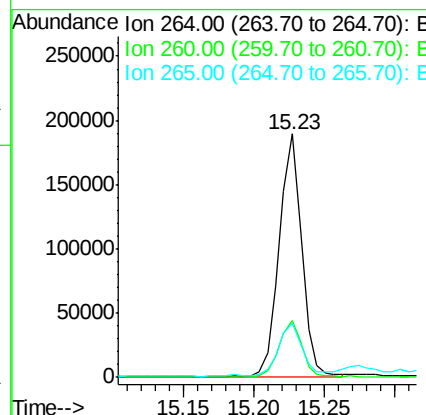
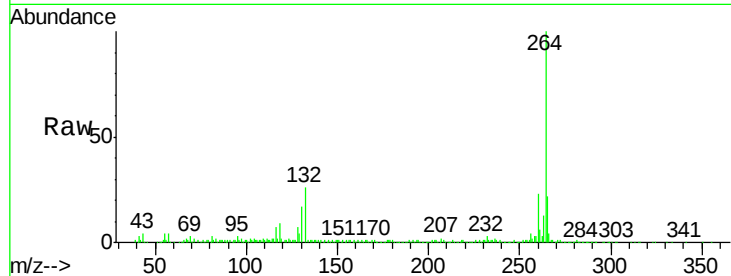
ClientSampleId :

CIY-SB-020304-0-6

Tgt Ion:	264	Resp:	215000
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.5	29.3
265	22.3	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 23.544 ng m

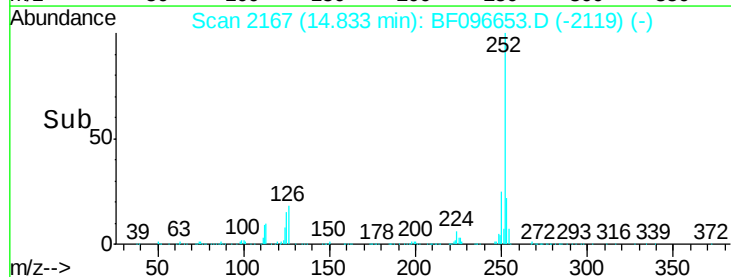
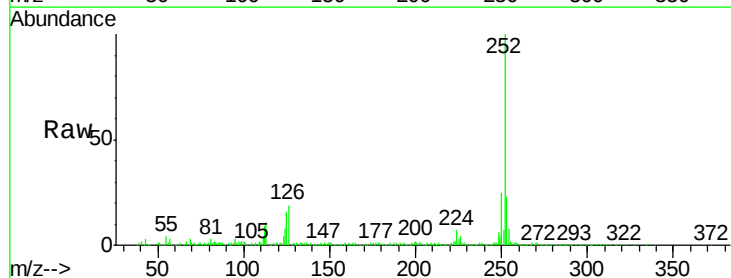
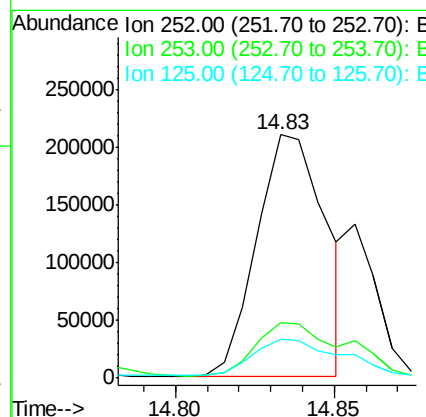
RT: 14.83 min Scan# 2167

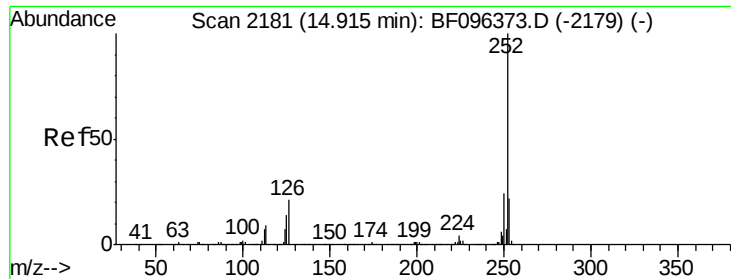
Delta R.T. -0.02 min

Lab File: BF096653.D

Acq: 11 Jul 2017 19:22

Tgt Ion:	252	Resp:	317174
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	16.0	9.8	14.8#





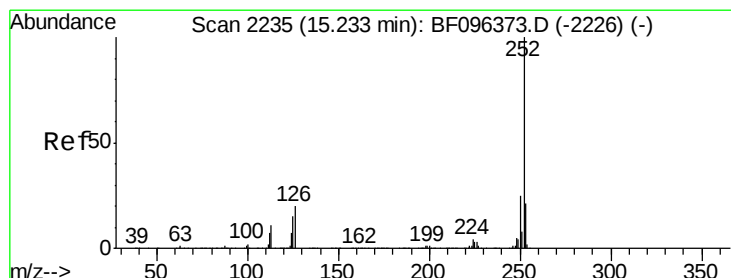
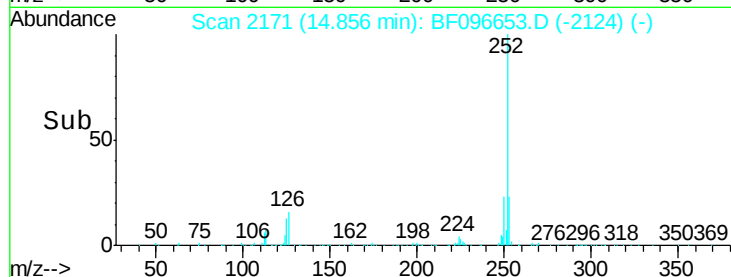
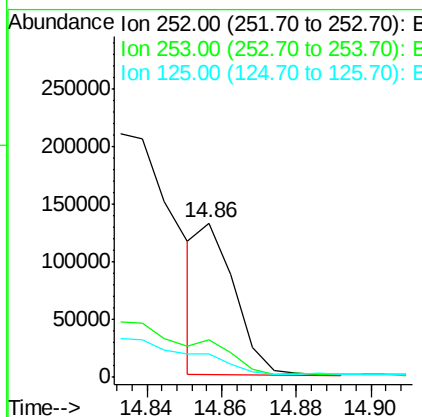
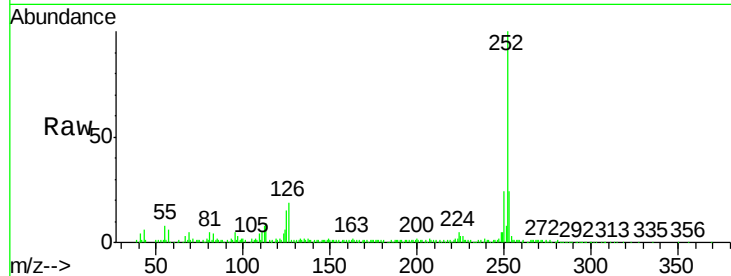
#88
Benzo(k)fluoranthene
Concen: 7.296 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Instrument :
BNA_F
ClientSampleId :
CIY-SB-020304-0-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	15.0	13.1	19.7

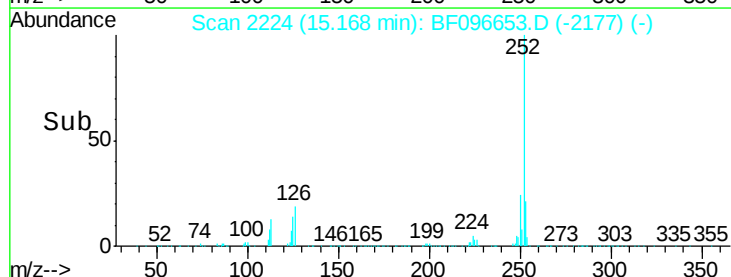
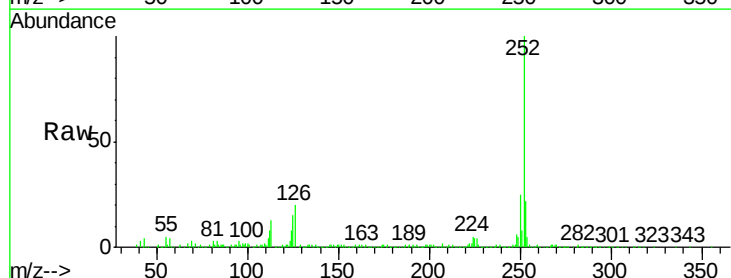
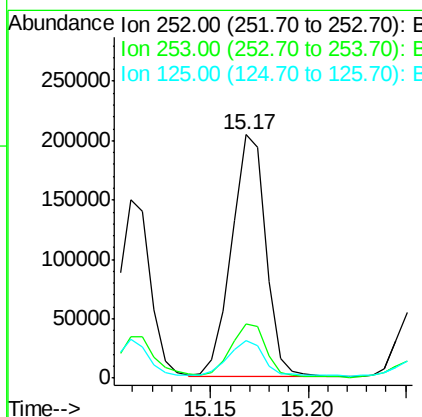
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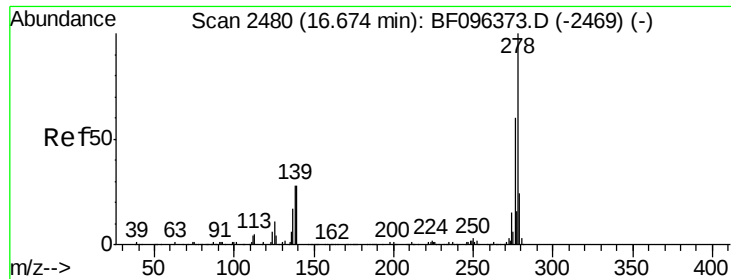
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#89
Benzo(a)pyrene
Concen: 20.750 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	15.4	11.0	16.4





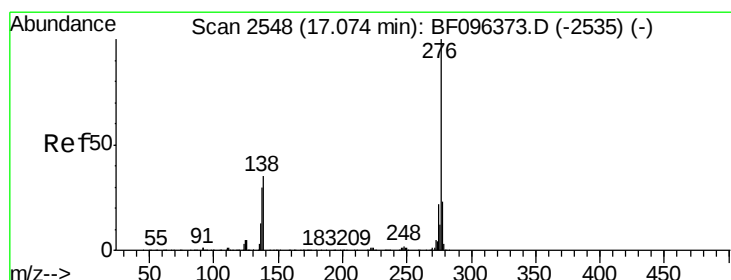
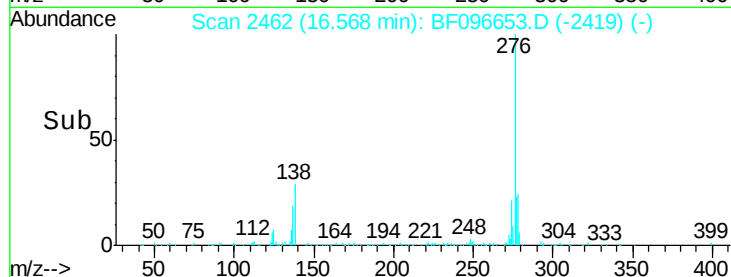
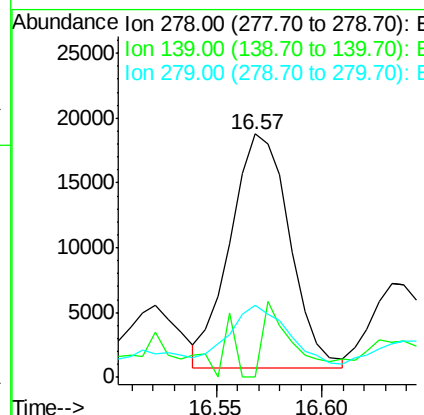
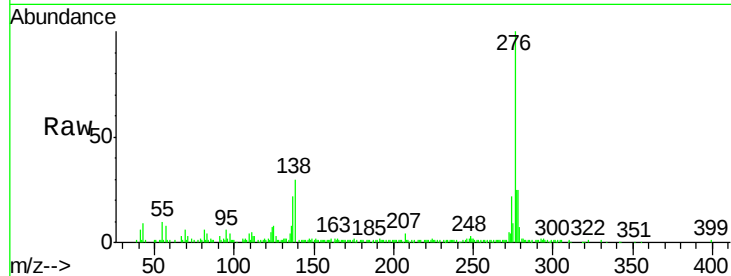
#90
Dibenzo(a,h)anthracene
Concen: 3.724 ng
RT: 16.57 min Scan# 2462
Delta R.T. -0.05 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Instrument :
BNA_F
ClientSampleId :
CIY-SB-020304-0-6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	29.4	19.3	28.9#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 12.666 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF096653.D
Acq: 11 Jul 2017 19:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	31.5	25.4	38.0

