

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093166.D
 Acq On : 25 Feb 2017 1:22
 Operator : SJ/MA
 Sample : I1954-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLP-S-03(0-5)-D

Manual Integrations
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Quant Time: Feb 25 02:27:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	162598	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	627234	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	300773	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	532701	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	352030	20.00	ng	-0.02
86) Perylene-d12	15.44	264	287649	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1175620	124.04	ng	-0.02
7) Phenol-d6	6.48	99	1496261	122.70	ng	-0.01
23) Nitrobenzene-d5	7.40	82	861212	76.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	279460	128.47	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1489123	89.70	ng	-0.01
78) Terphenyl-d14	12.95	244	1141518	76.19	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	74896	5.25	ng	Qvalue # 68
49) Dimethylphthalate	9.60	163	182309	9.00	ng	99
70) Phenanthrene	11.38	178	285878	9.37	ng	98
71) Anthracene	11.44	178	71431	2.33	ng	97
74) Fluoranthene	12.57	202	430122	13.66	ng	95
77) Pyrene	12.80	202	396341	15.04	ng	99
80) Benzo(a)anthracene	13.99	228	173758	8.07	ng	99
82) Chrysene	14.03	228	132955m	6.60	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	71613	4.59	ng	95
87) Benzo(b)fluoranthene	15.03	252	152477m	8.05	ng	
88) Benzo(k)fluoranthene	15.05	252	45985m	2.81	ng	
89) Benzo(a)pyrene	15.37	252	107961	6.59	ng	98
91) Benzo(a,h,i)perylene	17.25	276	74166	5.55	ng	# 91

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

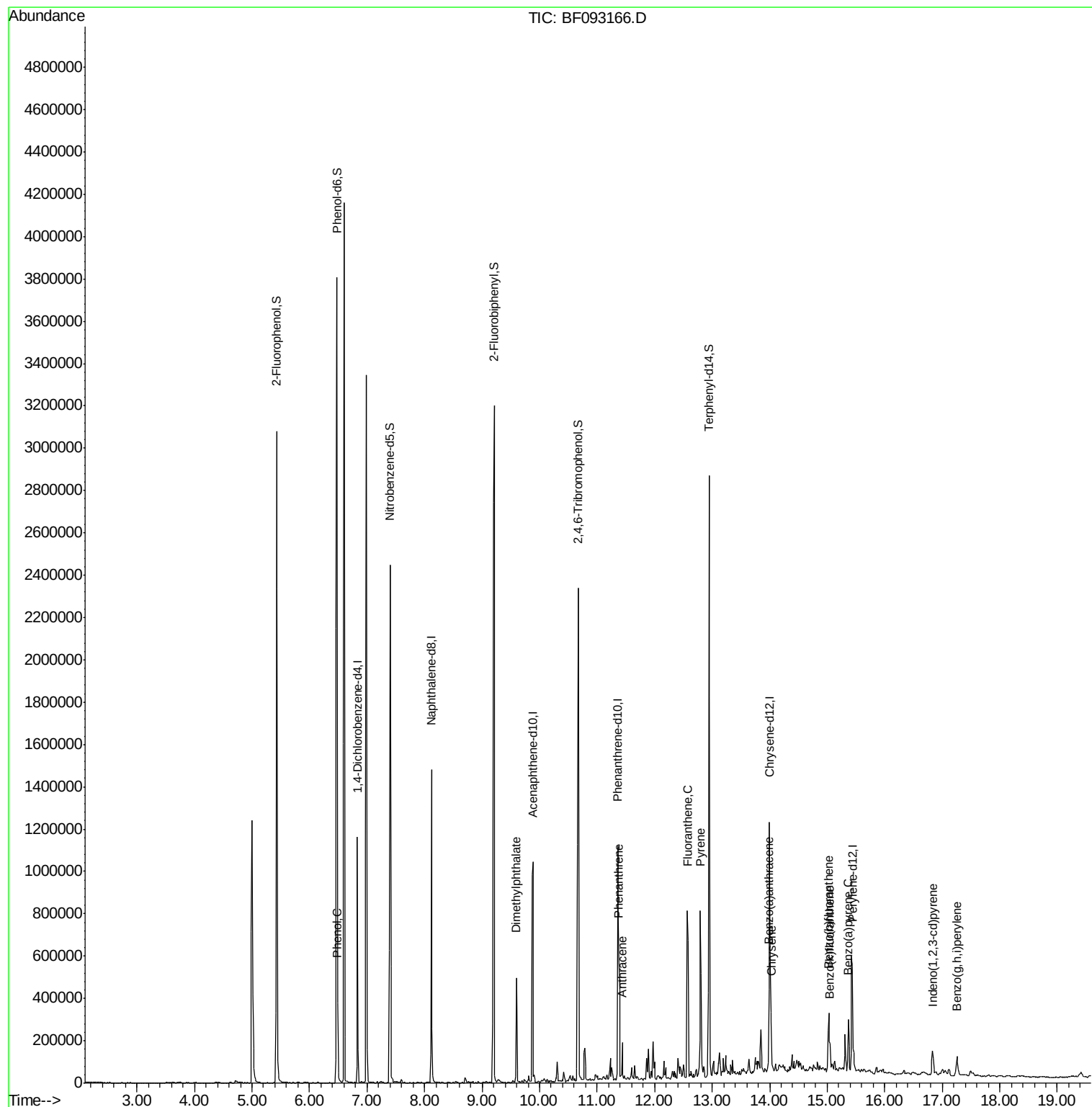
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
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ALS Vial : 21 Sample Multiplier: 1

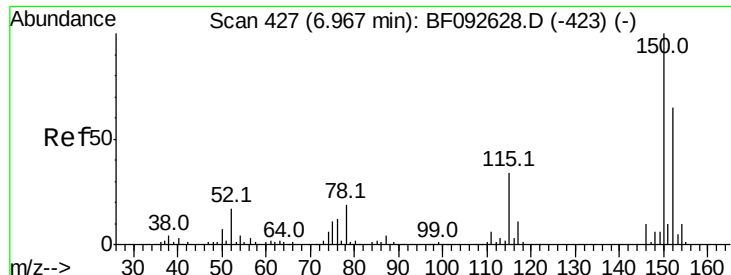
Instrument :
BNA_F
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CLP-S-03(0-5)-D

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Instrument :

BNA_F

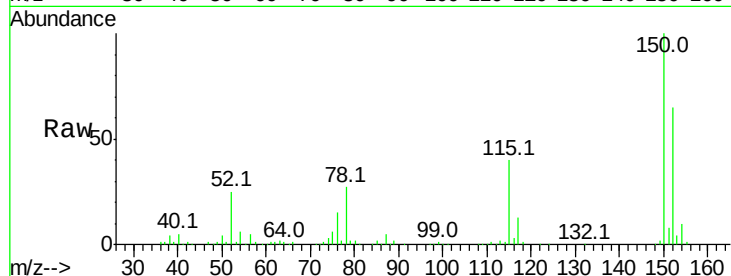
ClientSampleId :

CLP-S-03(0-5)-D

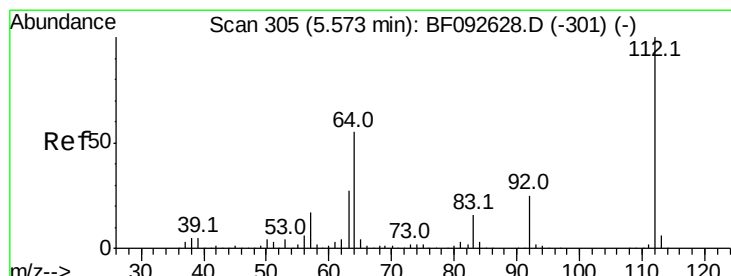
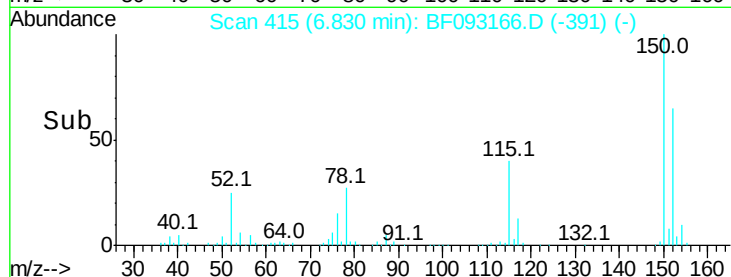
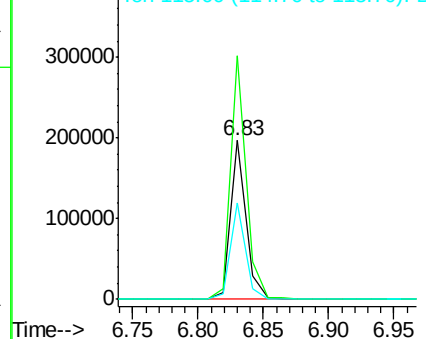
Tot Ion:	152	Resp:	162598
Ion Ratio	Lower	Upper	
152	100		
150	153.3	124.9	187.3
115	60.6	46.0	69.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 124.04 ng

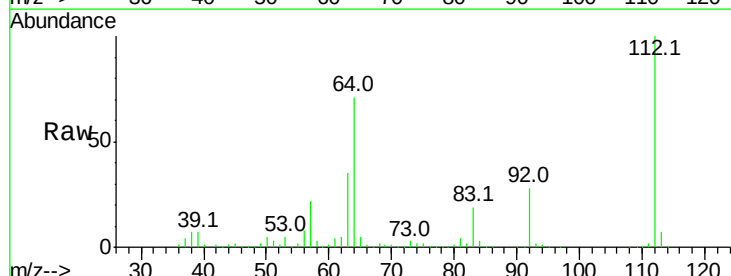
RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

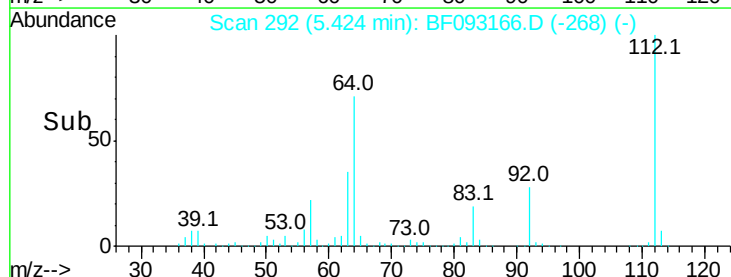
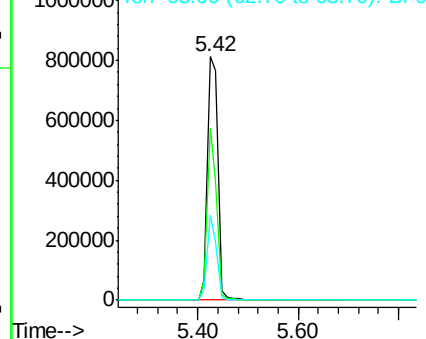
Lab File: BF093166.D

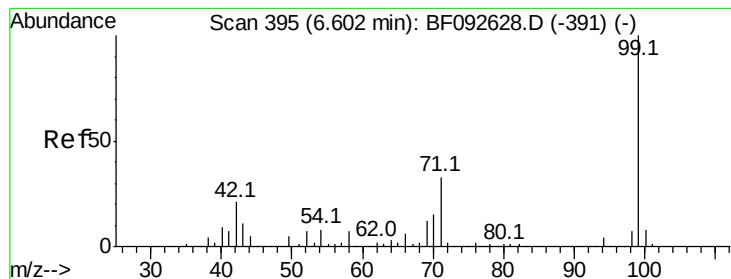
Acq: 25 Feb 2017 1:22

Tgt Ion:	112	Resp:	1175620
Ion Ratio	Lower	Upper	
112	100		
64	70.7	46.1	69.1#
63	34.6	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.70 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Instrument :

BNA_F

ClientSampled :

CLP-S-03(0-5)-D

Tot Ion: 99 Resp: 1496261

Ion Ratio Lower Upper

99 100

42 19.4 15.6 23.4

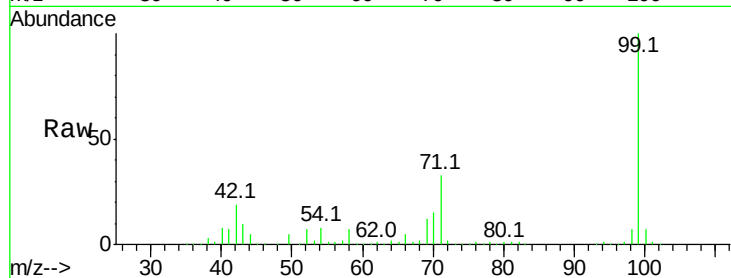
71 32.6 27.5 41.3

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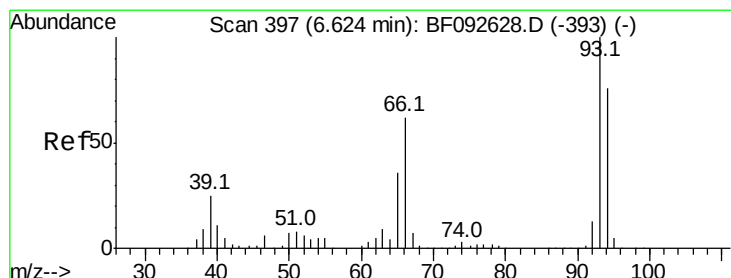
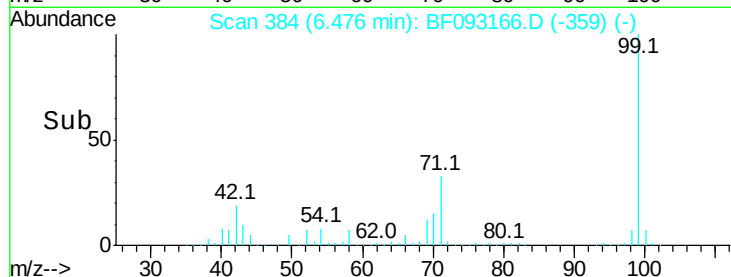
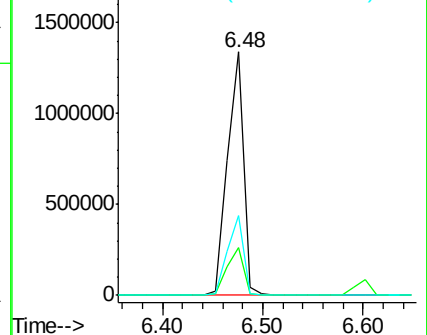
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.25 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

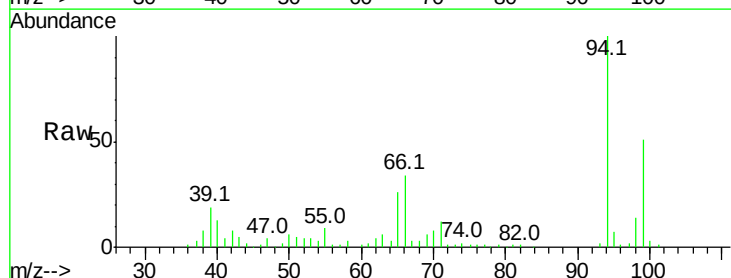
Tgt Ion: 94 Resp: 74896

Ion Ratio Lower Upper

94 100

65 26.3 21.4 61.4

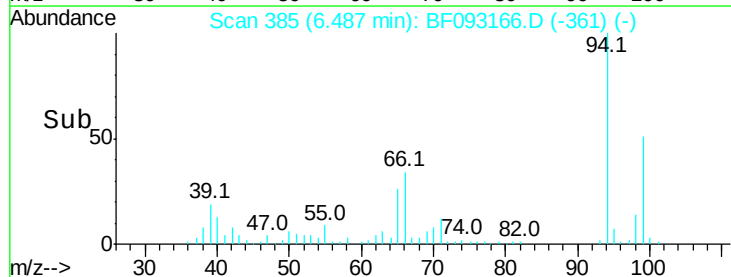
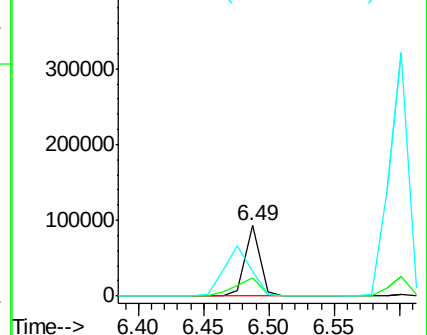
66 34.4 44.0 84.0#

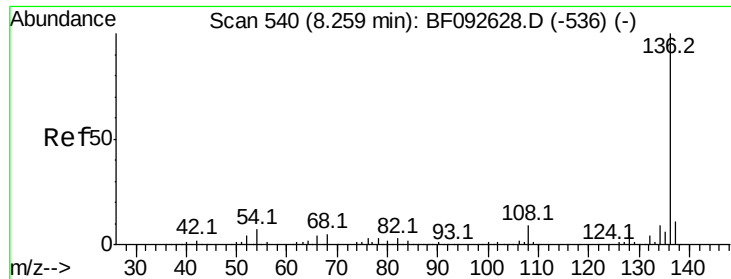


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





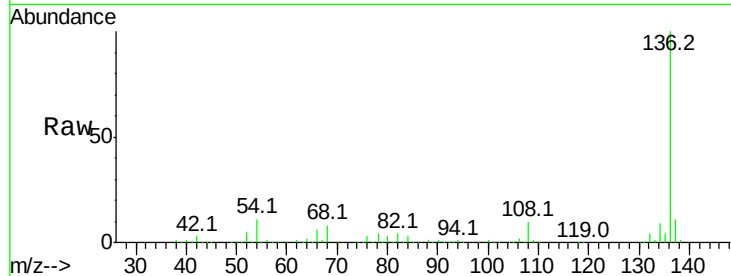
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CLP-S-03(0-5)-D

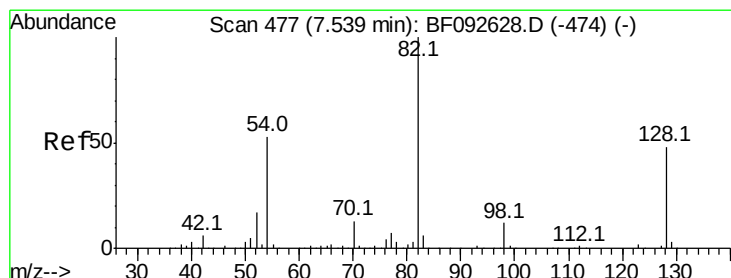
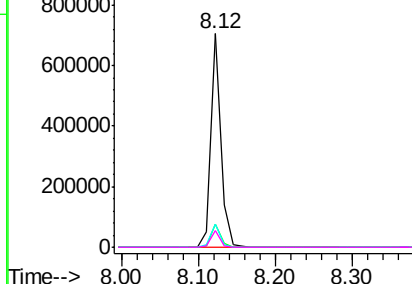
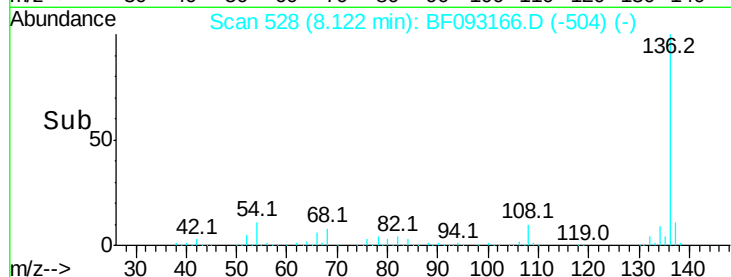
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	11.1	4.5	6.7#
68	7.8	3.6	5.4#

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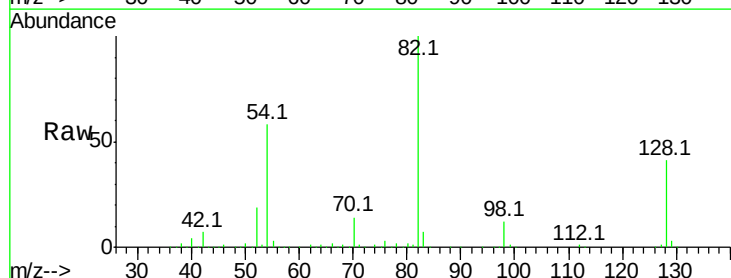


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

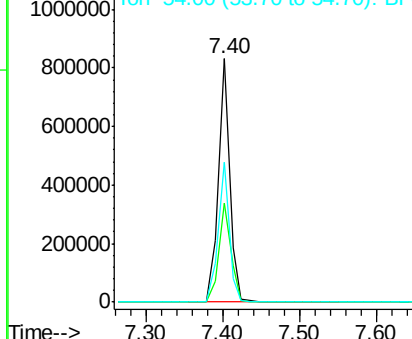
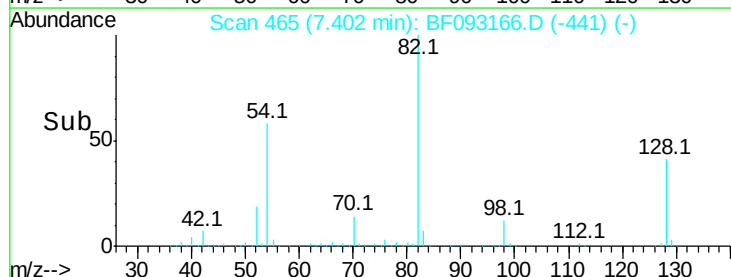


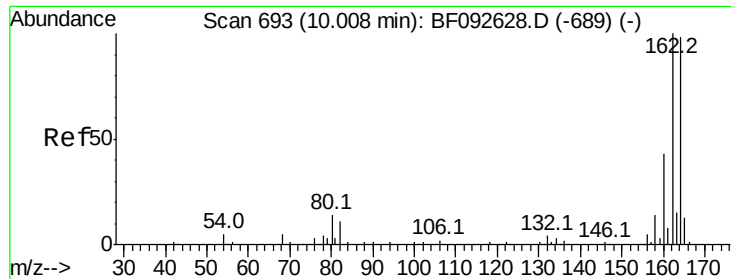
#23
Nitrobenzene-d5
Concen: 76.46 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.6	52.0
54	57.6	39.5	59.3



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





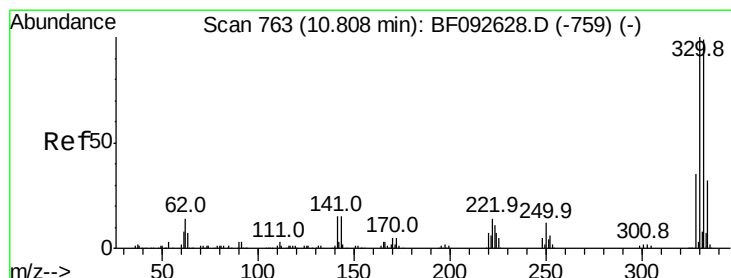
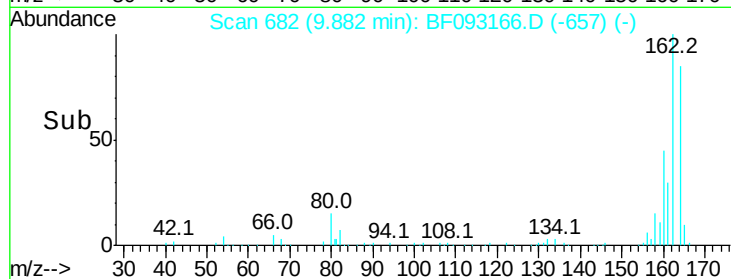
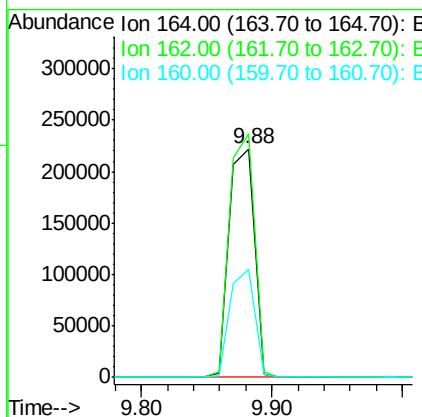
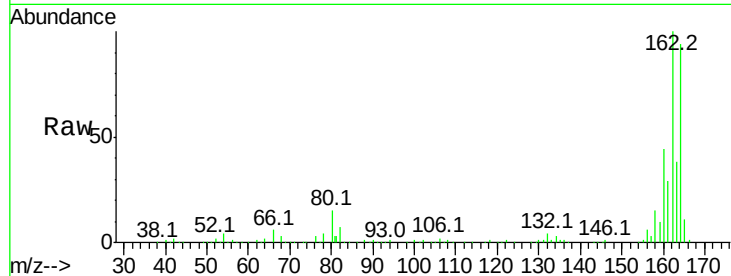
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CLP-S-03(0-5)-D

Tot Ion	Ratio	Resp	Lower	Upper
164	100	300773		
162	106.6	80.2	120.2	
160	47.4	36.9	55.3	

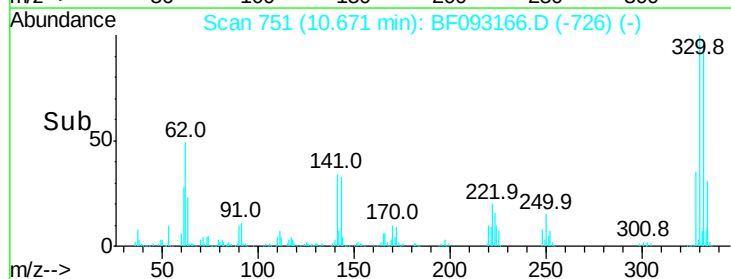
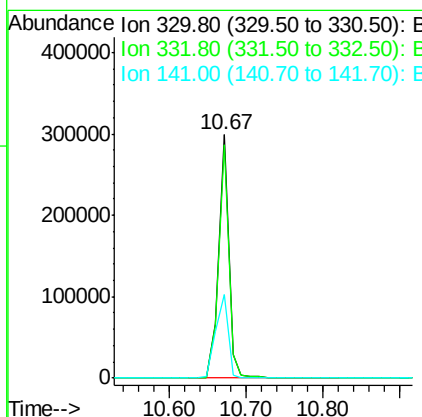
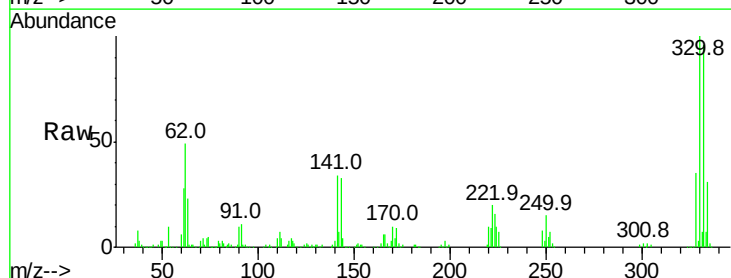
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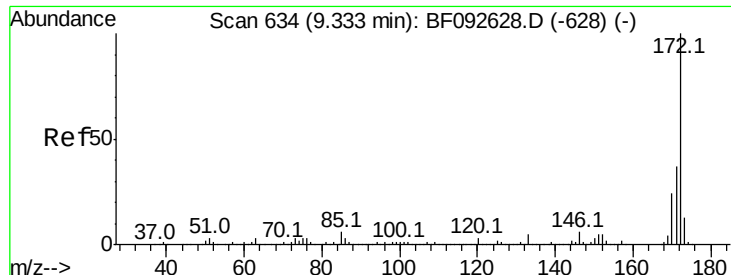
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#41
2,4,6-Tribromophenol
Concen: 128.47 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	279460		
332	96.5	77.4	116.2	
141	41.8	34.1	51.1	





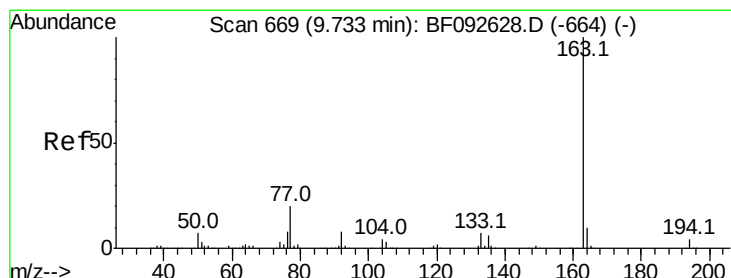
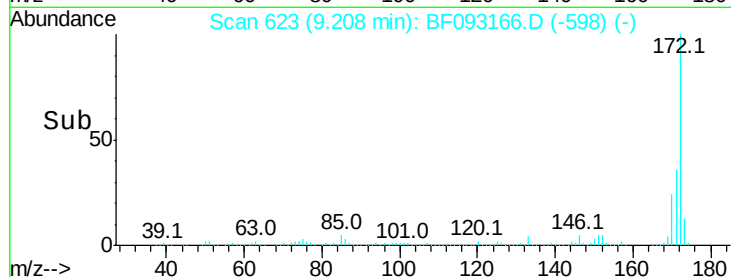
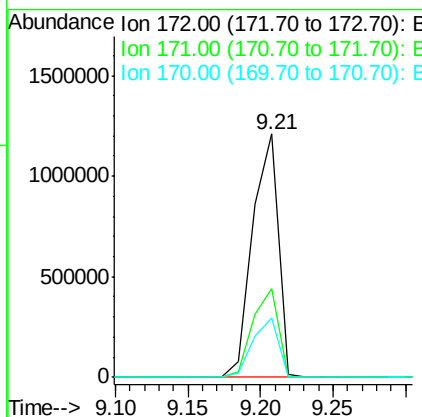
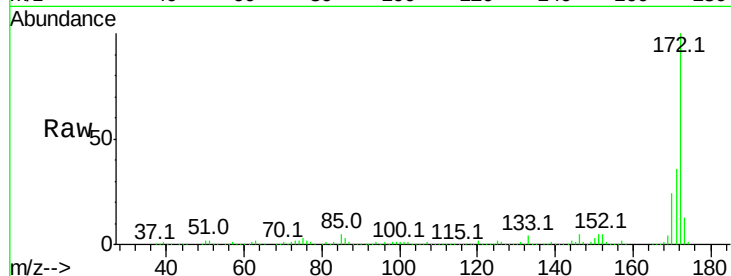
#44
2-Fluorobiphenyl
Concen: 89.70 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CLP-S-03(0-5)-D

Tot Ion:172 Resp: 1489123
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.3 20.2 30.4

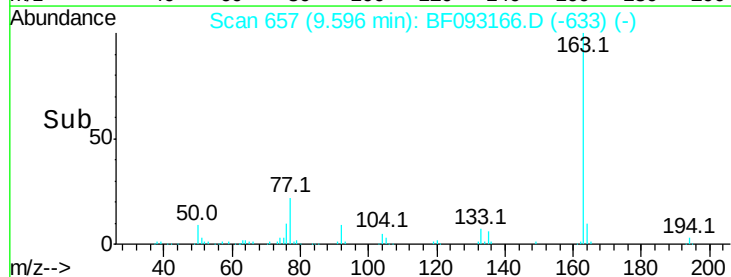
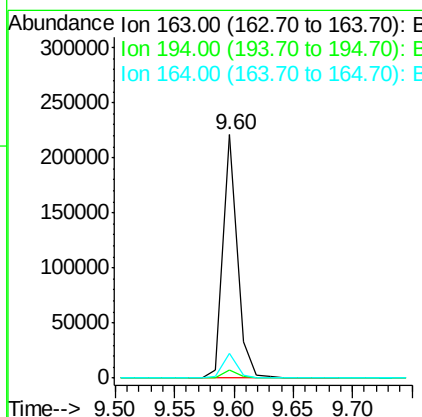
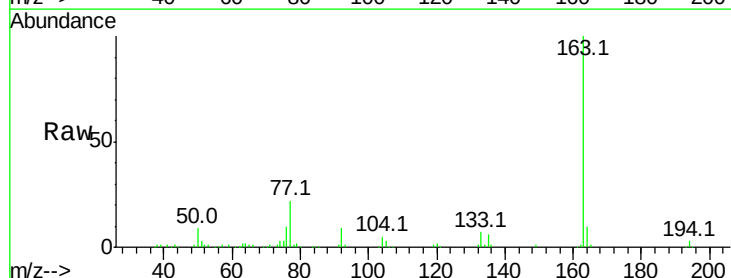
Manual Integrations
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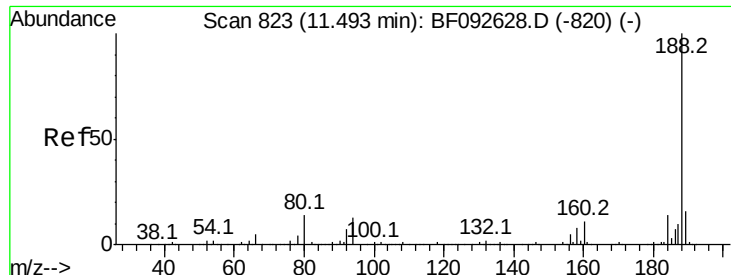
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#49
Dimethylphthalate
Concen: 9.00 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Tgt Ion:163 Resp: 182309
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.3 8.0 12.0





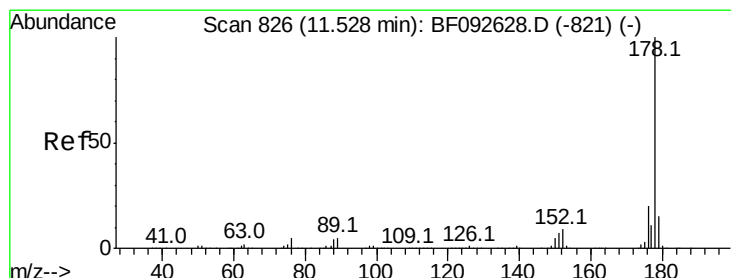
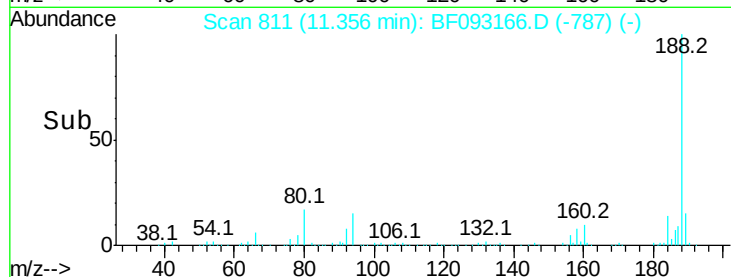
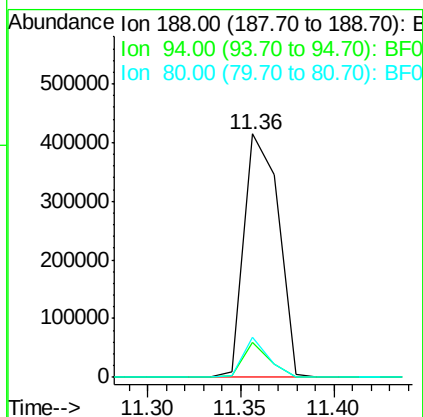
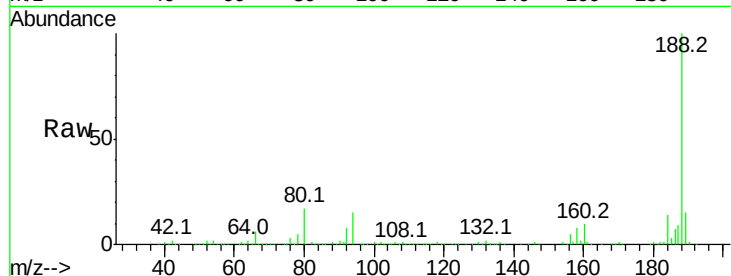
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Instrument :
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ClientSampleId :
CLP-S-03(0-5)-D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	532701		
94	14.6	10.0	15.0	
80	16.5	11.2	16.8	

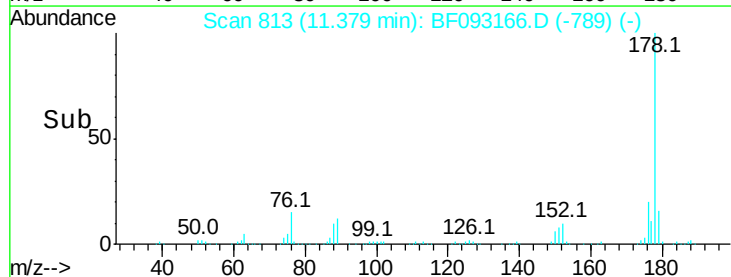
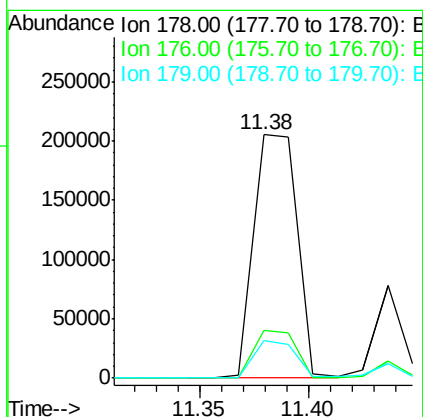
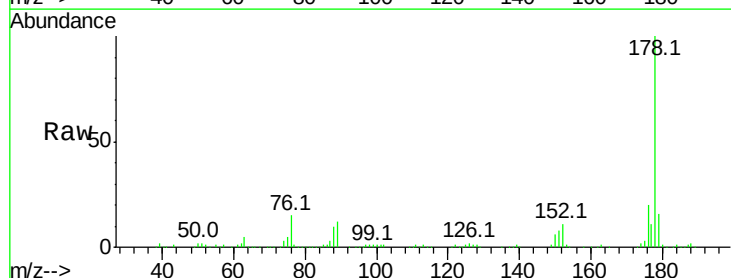
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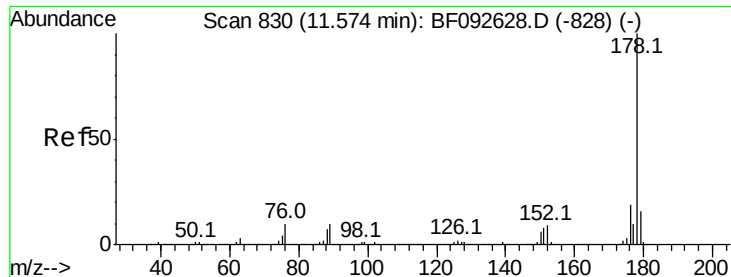
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#70
Phenanthrene
Concen: 9.37 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	285878		
176	19.6	16.6	25.0	
179	15.6	12.8	19.2	





#71

Anthracene

Concen: 2.33 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Instrument :

BNA_F

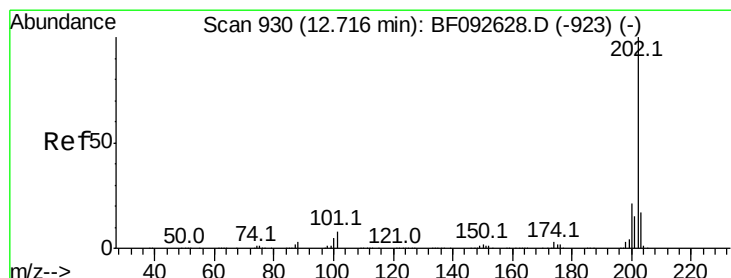
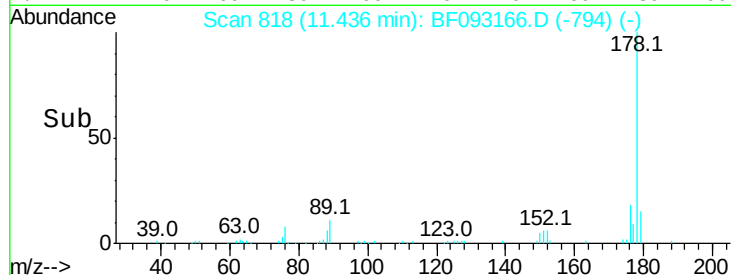
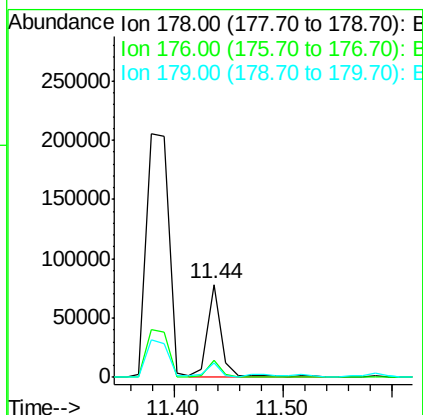
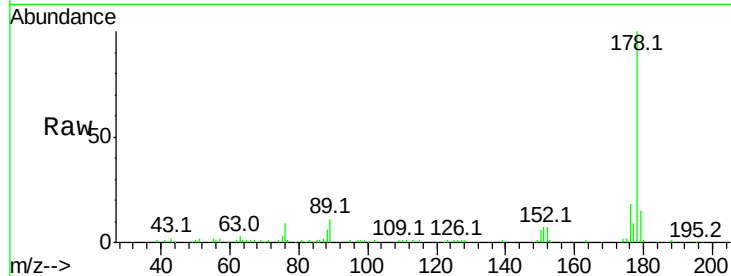
ClientSampleId :

CLP-S-03(0-5)-D

Tot Ion:178	Resp:	71431
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.9 23.9
179	15.0	13.2 19.8

Manual Integrations
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#74

Fluoranthene

Concen: 13.66 ng

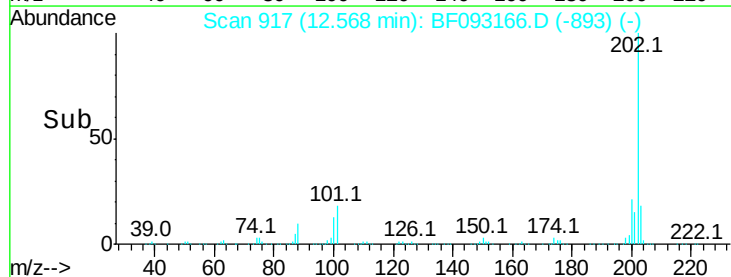
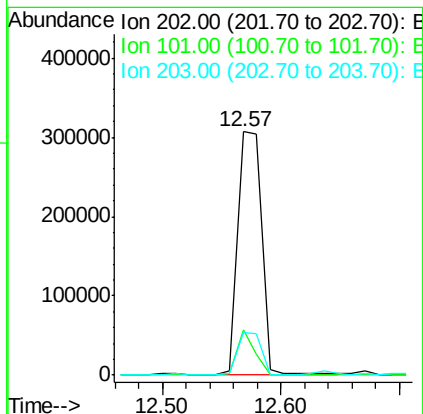
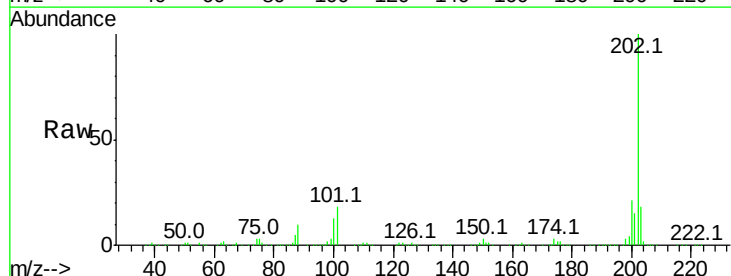
RT: 12.57 min Scan# 917

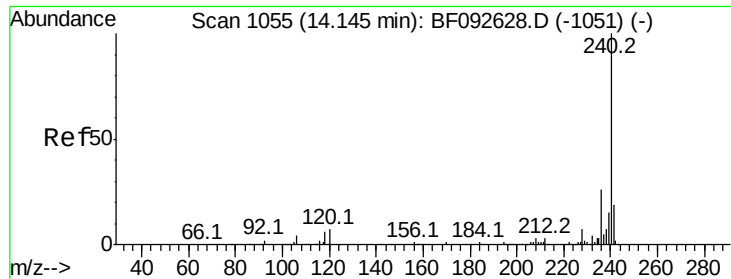
Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Tgt Ion:202	Resp:	430122
Ion Ratio	Lower	Upper
202	100	
101	18.4	0.0 34.6
203	17.7	0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Instrument :

BNA_F

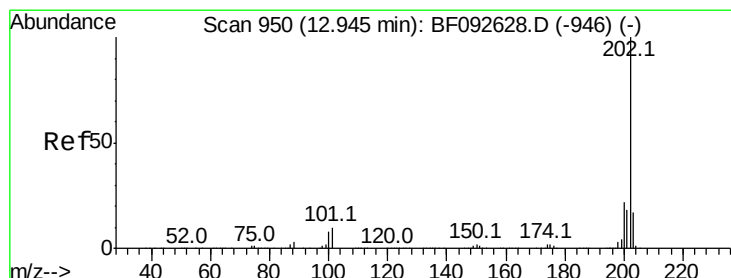
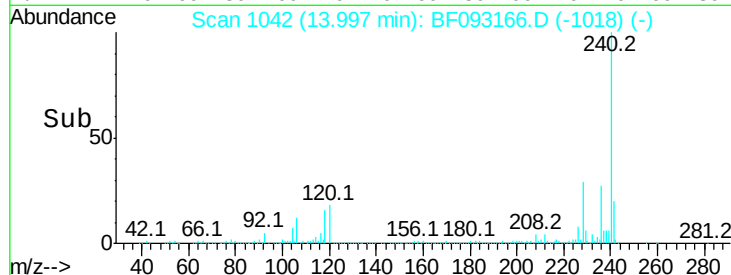
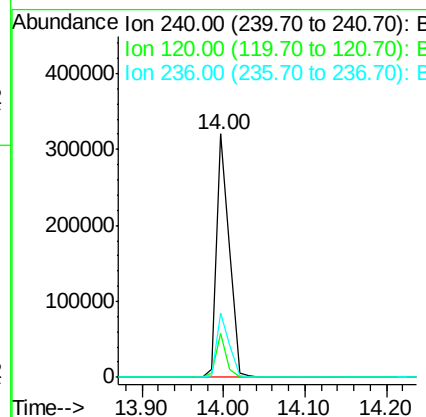
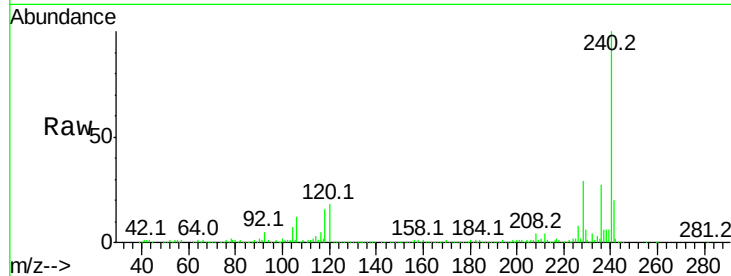
ClientSampleId :

CLP-S-03(0-5)-D

Tot Ion:	240	Resp:	352030
Ion Ratio	Lower	Upper	
240	100		
120	18.0	12.9	19.3
236	26.7	20.9	31.3

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#77

Pyrene

Concen: 15.04 ng

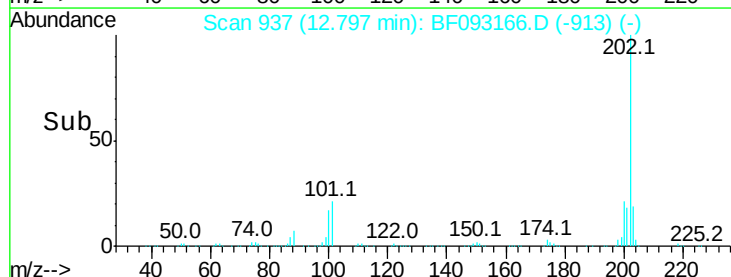
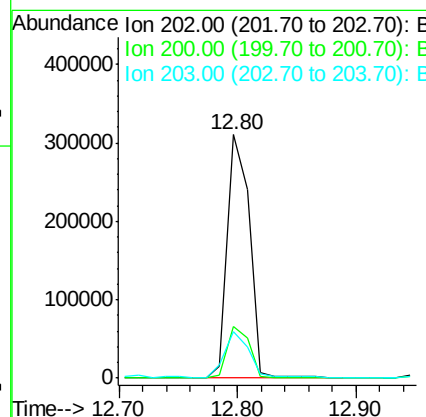
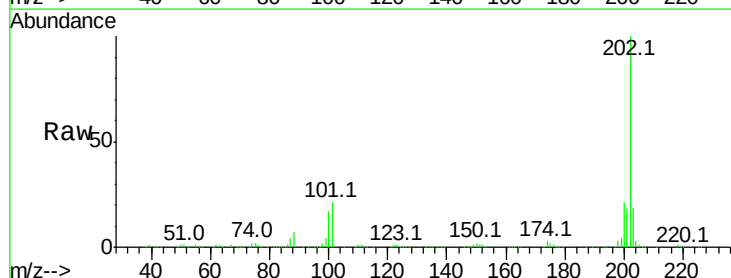
RT: 12.80 min Scan# 937

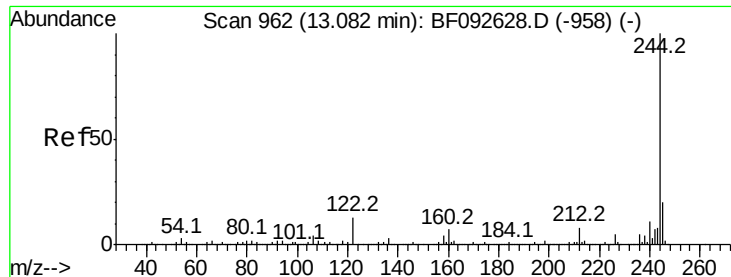
Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Tgt Ion:	202	Resp:	396341
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	19.0	14.7	22.1





#78

Terphenyl-d14

Concen: 76.19 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CLP-S-03(0-5)-D

Tot Ion:244 Resp: 1141518

Ion Ratio Lower Upper

244 100

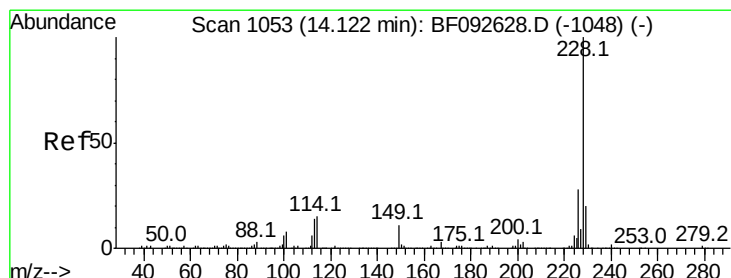
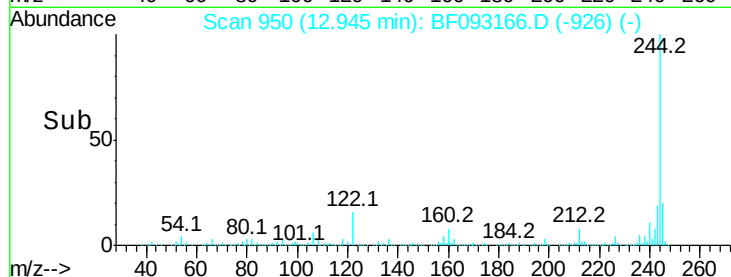
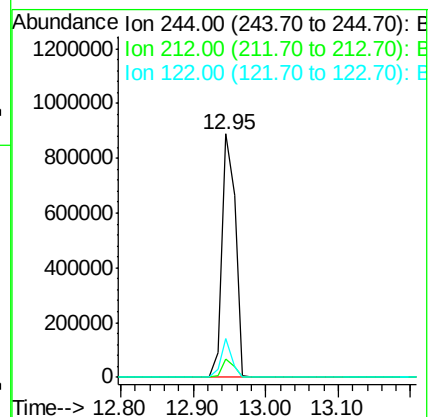
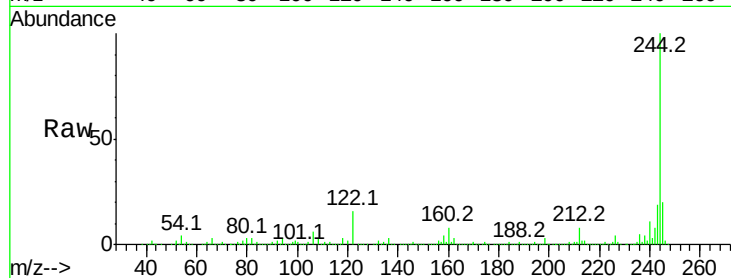
212 7.6 6.2 9.2

122 16.0 11.4 17.2

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#80

Benzo(a)anthracene

Concen: 8.07 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

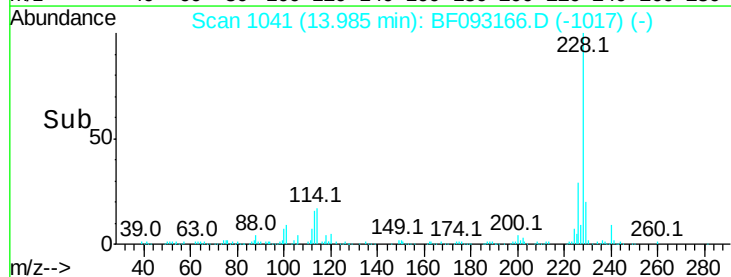
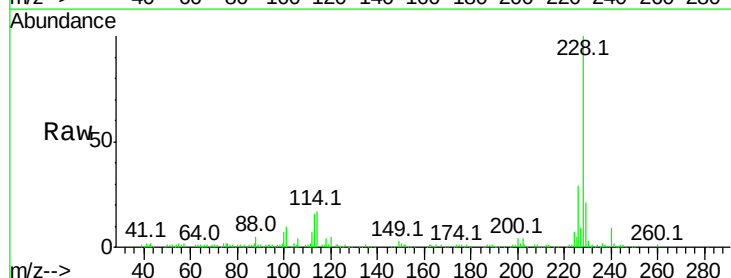
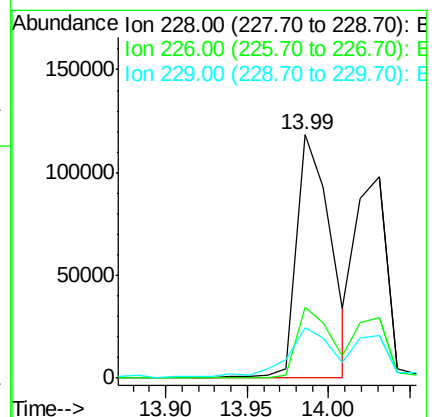
Tgt Ion:228 Resp: 173758

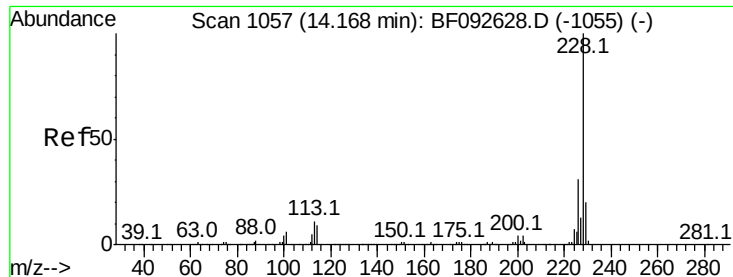
Ion Ratio Lower Upper

228 100

226 28.9 22.4 33.6

229 20.6 16.2 24.4





#82

Chrysene

Concen: 6.60 ng/mL

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Instrument :

BNA_F

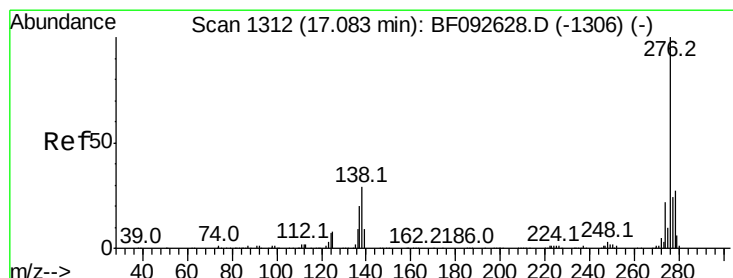
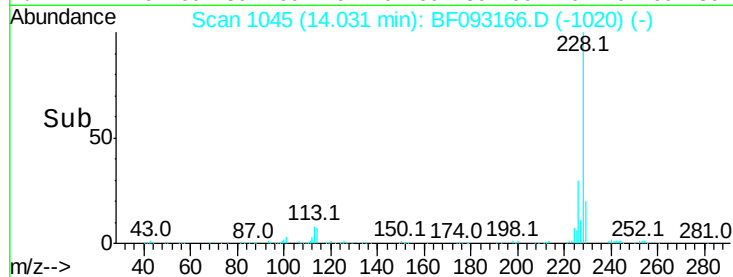
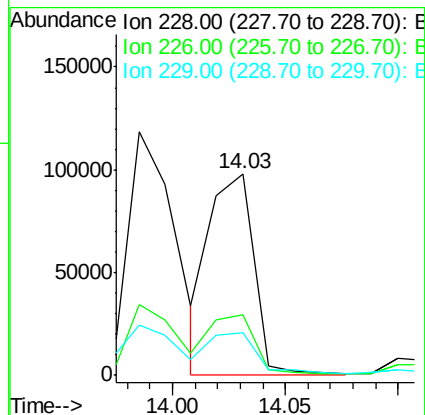
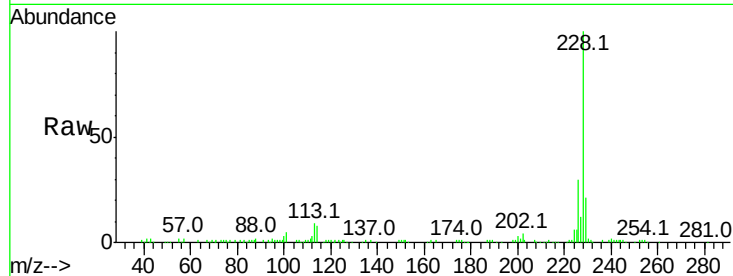
ClientSampleId :

CLP-S-03(0-5)-D

Tot Ion:	228	Resp:	132955
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.4	38.0
229	21.2	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.59 ng/mL

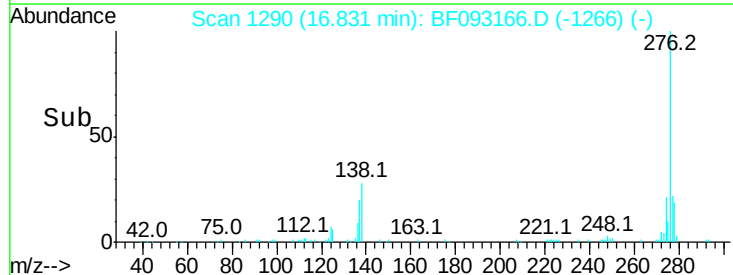
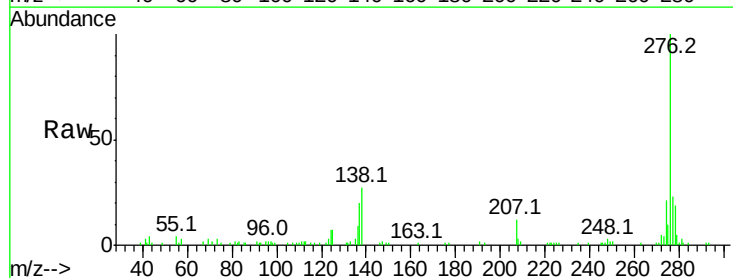
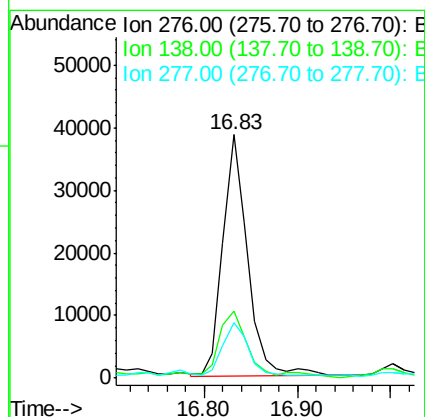
RT: 16.83 min Scan# 1290

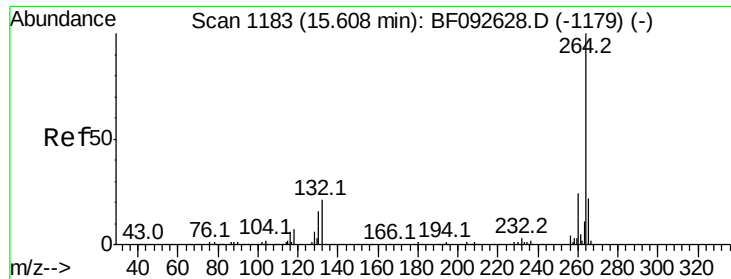
Delta R.T. -0.02 min

Lab File: BF093166.D

Acq: 25 Feb 2017 1:22

Tgt Ion:	276	Resp:	71613
Ion Ratio	Lower	Upper	
276	100		
138	29.3	21.8	32.6
277	22.8	20.2	30.4





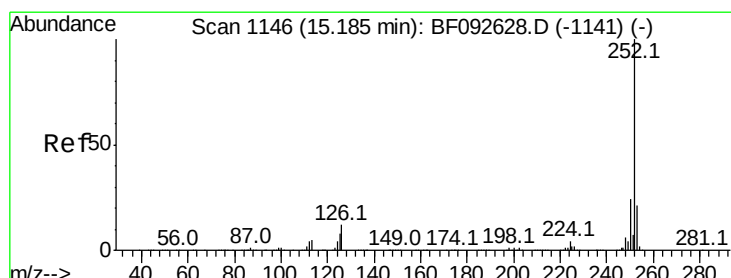
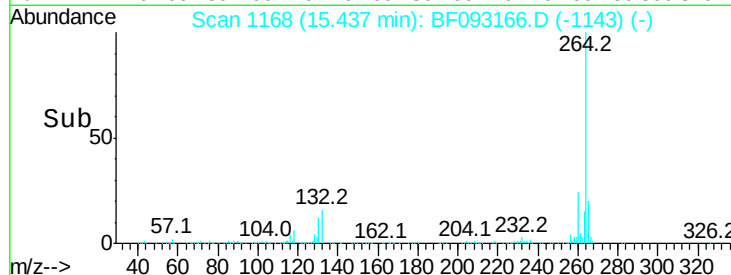
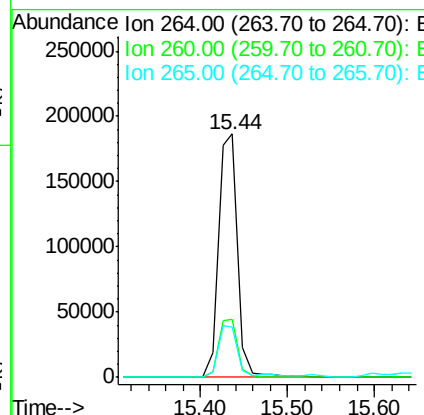
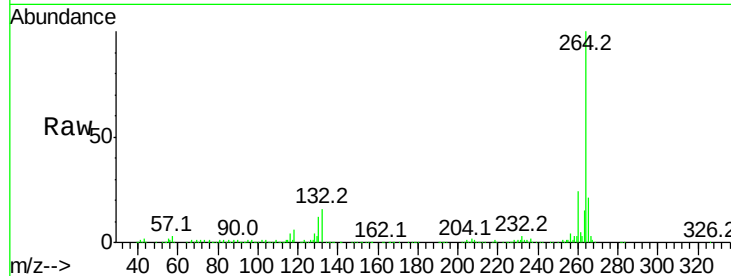
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Instrument :
BNA_F
ClientSampled :
CLP-S-03(0-5)-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.6	17.4	26.0

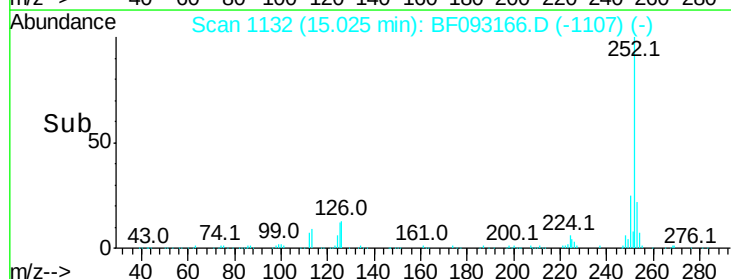
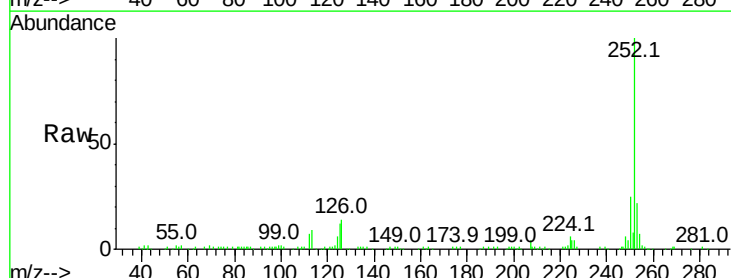
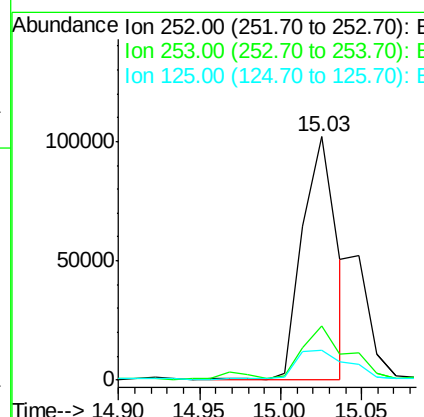
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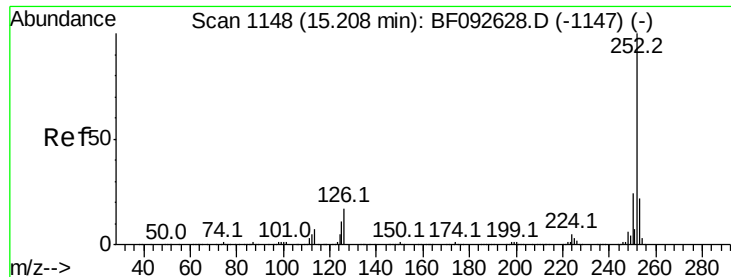
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#87
Benzo(b)fluoranthene
Concen: 8.05 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.4	9.8	14.6





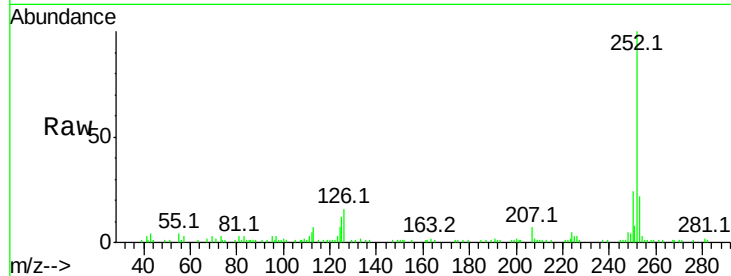
#88
Benzo(k)fluoranthene
Concen: 2.81 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CLP-S-03(0-5)-D

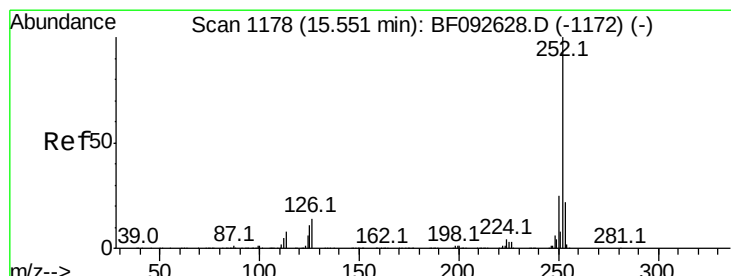
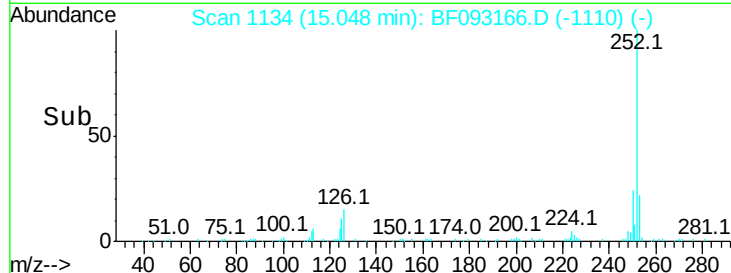
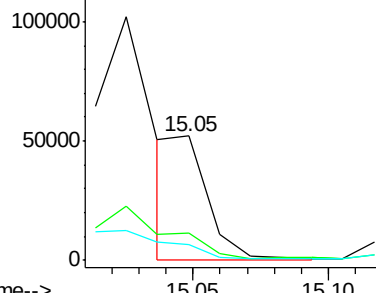
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	12.2	8.9	13.3

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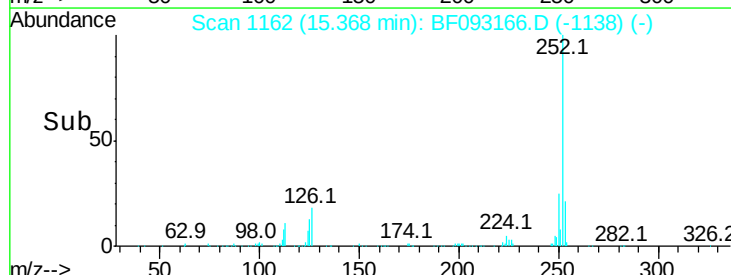
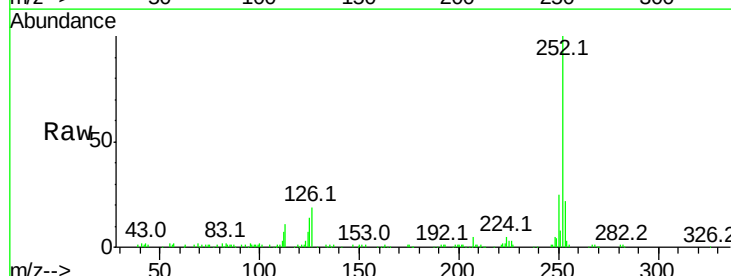
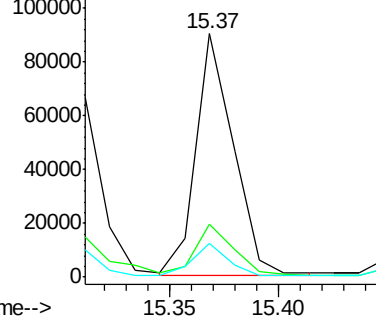
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

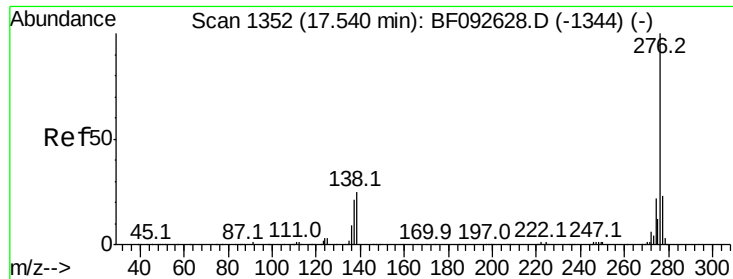


#89
Benzo(a)pyrene
Concen: 6.59 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF093166.D
Acq: 25 Feb 2017 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	13.9	10.0	15.0

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





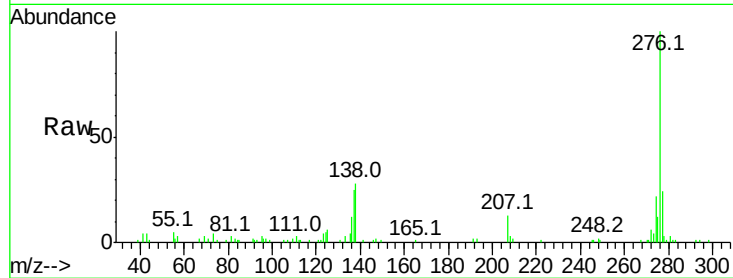
#91
 Benzo(a,h,i)perylene
 Concen: 5.55 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. -0.03 min
 Lab File: BF093166.D
 Acq: 25 Feb 2017 1:22

Instrument :
 BNA_F
 ClientSampleId :
 CLP-S-03(0-5)-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	28.3	16.0	24.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

