

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093125.D
 Acq On : 24 Feb 2017 00:56
 Operator : SJ/MA
 Sample : I1954-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Feb 24 03:01:38 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	6.84	152	153461	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	567073	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	244363	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	388230	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	331427	20.00	ng	-0.02
86) Perylene-d12	15.43	264	275521	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	971484	108.61	ng	-0.01
7) Phenol-d6	6.49	99	1388506	120.64	ng	0.00
23) Nitrobenzene-d5	7.41	82	794014	77.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	208107	117.75	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1220721	90.50	ng	-0.01
78) Terphenyl-d14	12.95	244	763690	54.14	ng	-0.02
Target Compounds						
10) Phenol	6.50	94	42968	3.19	ng	Qvalue # 67
49) Dimethylphthalate	9.60	163	131873	8.01	ng	100
70) Phenanthrene	11.39	178	365475	16.43	ng	96
71) Anthracene	11.44	178	108029	4.84	ng	96
74) Fluoranthene	12.58	202	647742	28.23	ng	92
77) Pyrene	12.81	202	609575	24.58	ng	98
80) Benzo(a)anthracene	13.99	228	335775	16.56	ng	98
82) Chrysene	14.02	228	249204	13.13	ng	97
85) Indeno(1,2,3-cd)pyrene	16.82	276	94280	6.41	ng	94
87) Benzo(b)fluoranthene	15.03	252	309312m	17.06	ng	
88) Benzo(k)fluoranthene	15.05	252	86529m	5.53	ng	
89) Benzo(a)pyrene	15.37	252	212252	13.53	ng	99
90) Dibenzo(a,h)anthracene	16.83	278	28586	2.25	ng	# 87
91) Benzo(a,h,i)perylene	17.24	276	88578	6.92	ng	# 88

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

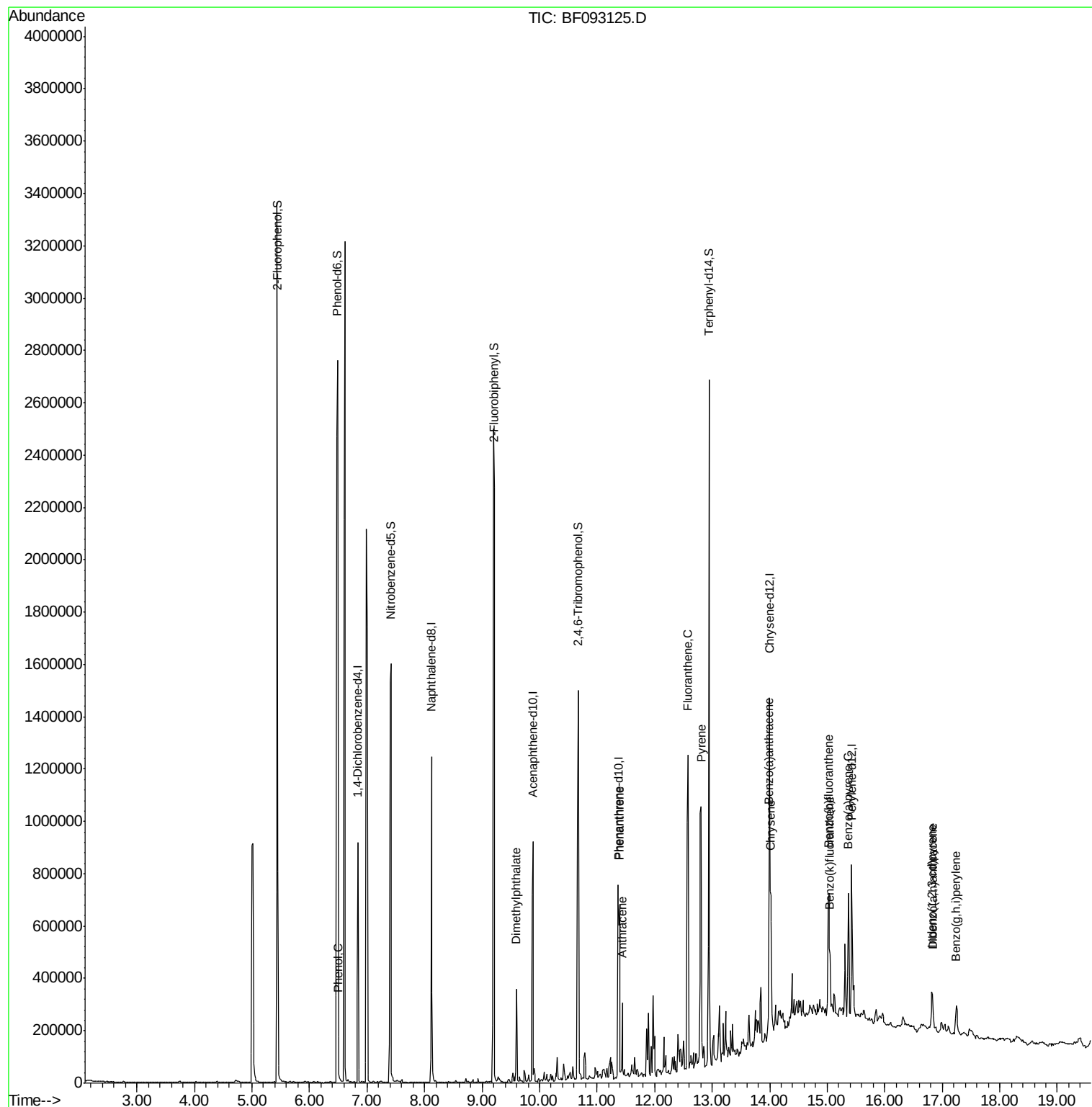
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
Data File : BF093125.D
Acq On : 24 Feb 2017 00:56
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Sample : I1954-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

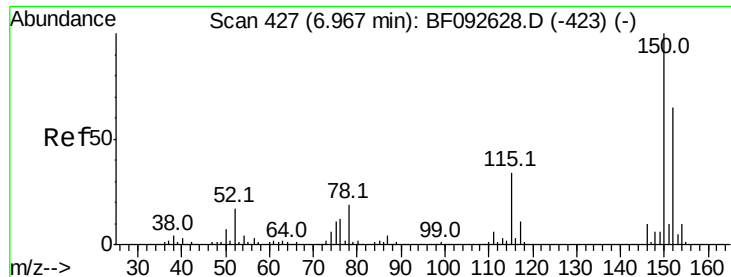
Instrument :
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CLP-S-03(0-5)

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#1

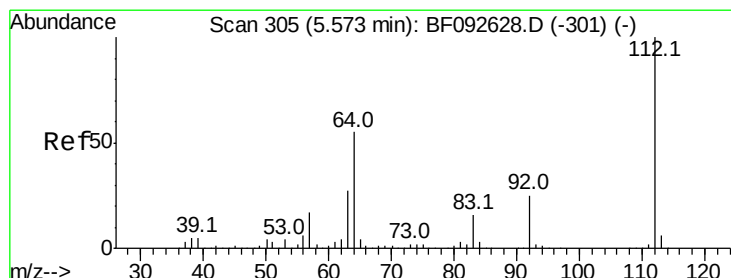
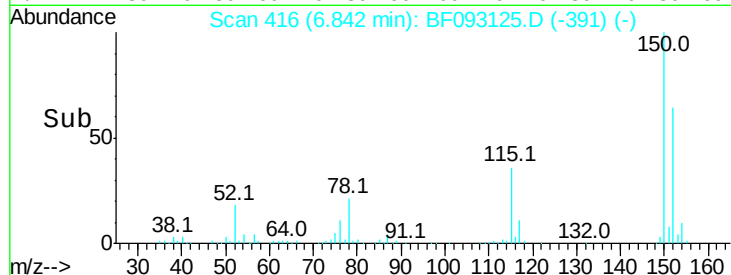
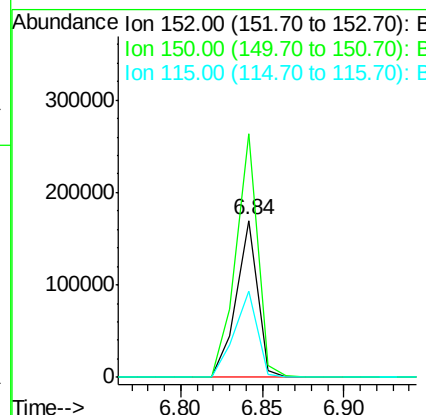
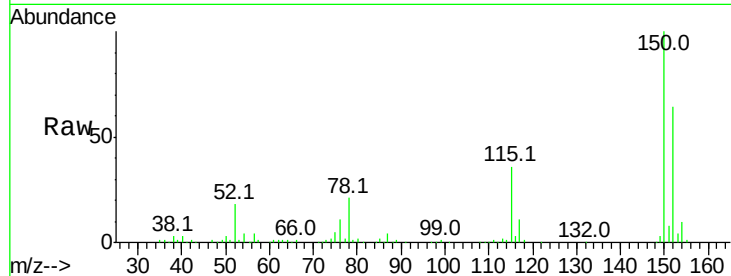
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.9	187.3
115	55.3	46.0	69.0

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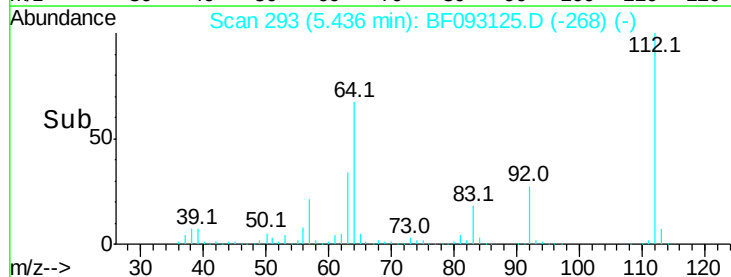
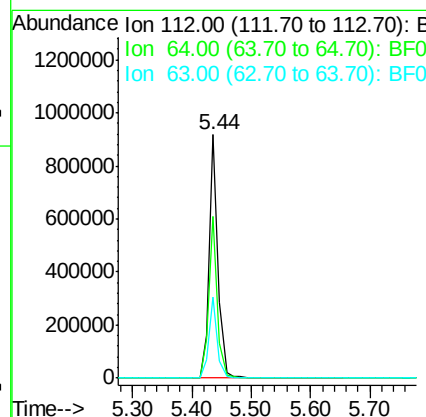
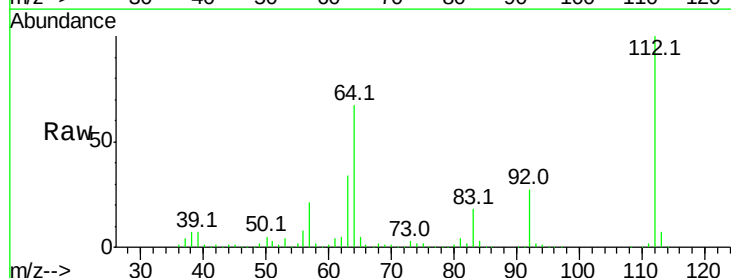
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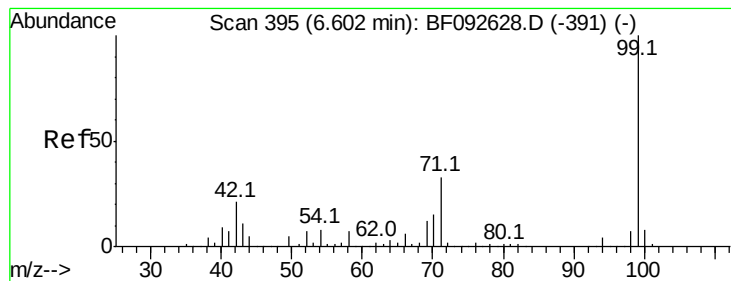


#5

2-Fluorophenol
Concen: 108.61 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.1	69.1
63	33.5	23.8	35.6





#7

Phenol-d6

Concen: 120.64 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

Instrument :

BNA_F

ClientSampleId :

CLP-S-03(0-5)

Tot Ion: 99 Resp: 1388506

Ion Ratio Lower Upper

99 100

42 15.6 15.6 23.4

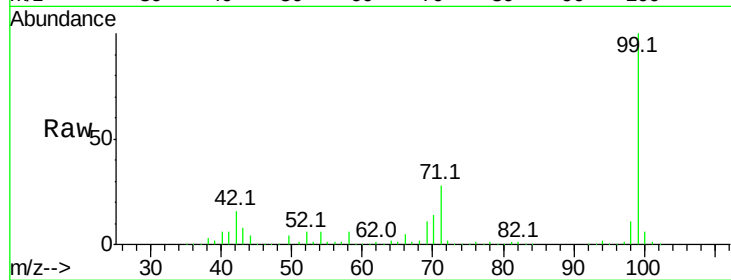
71 28.3 27.5 41.3

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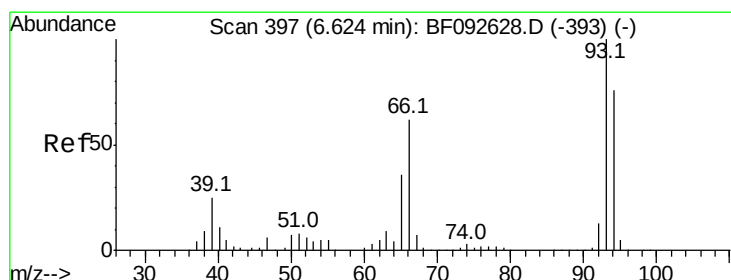
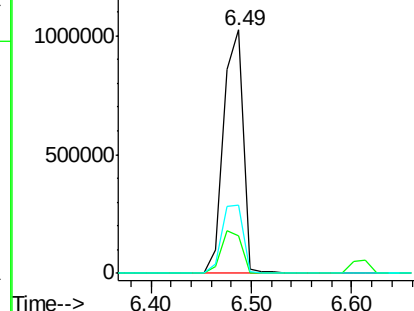
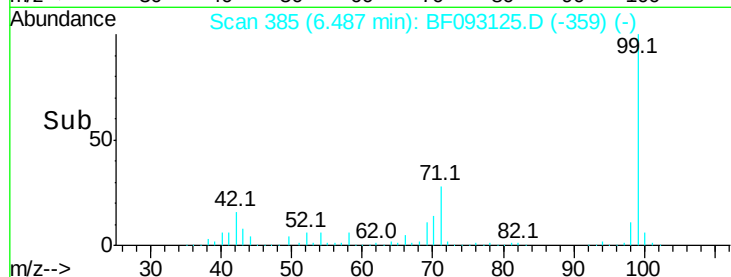
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.19 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

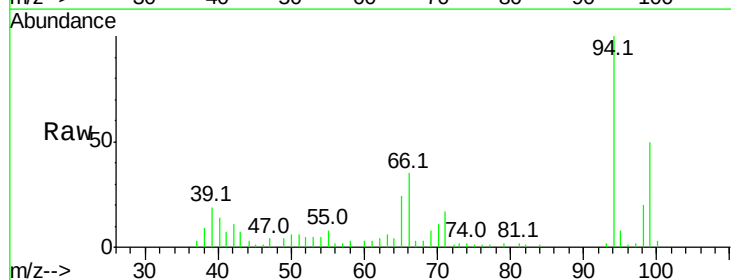
Tgt Ion: 94 Resp: 42968

Ion Ratio Lower Upper

94 100

65 23.9 21.4 61.4

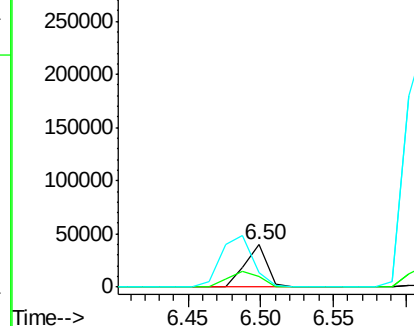
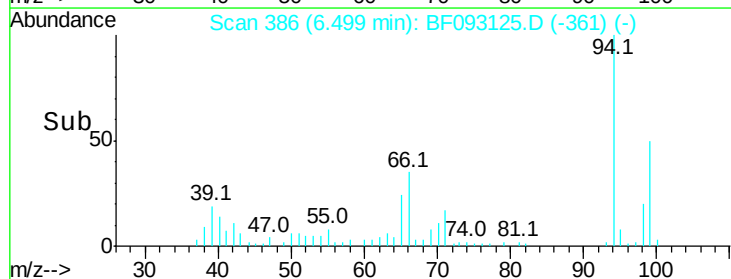
66 35.3 44.0 84.0#

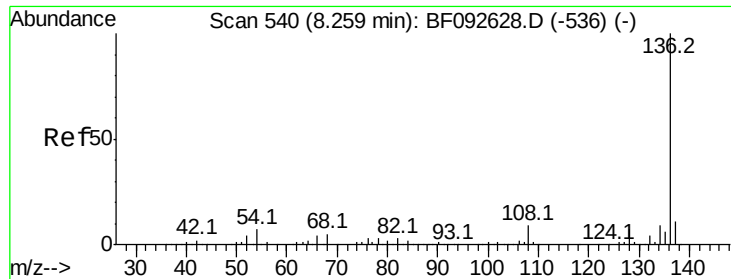


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





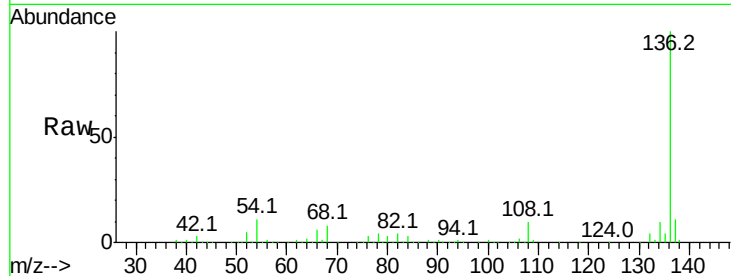
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

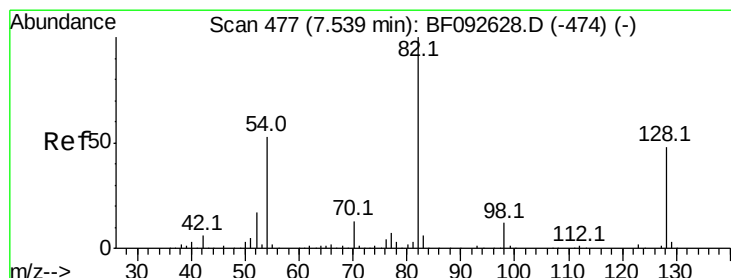
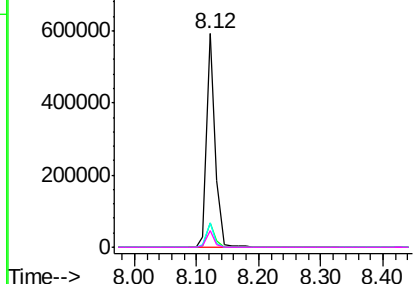
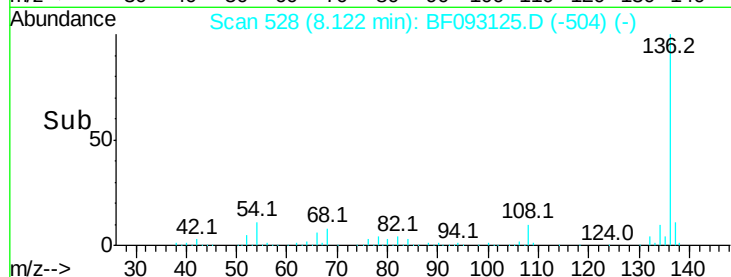
Tot Ion	Ratio	Resp	Lower	Upper
136	100	567073		
137	11.3		8.4	12.6
54	11.2		4.5	6.7#
68	8.1		3.6	5.4#

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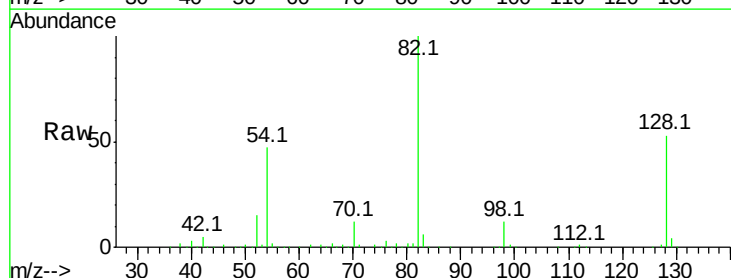


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

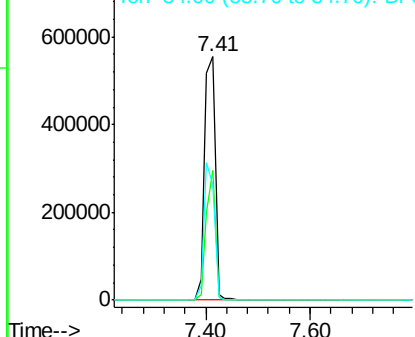
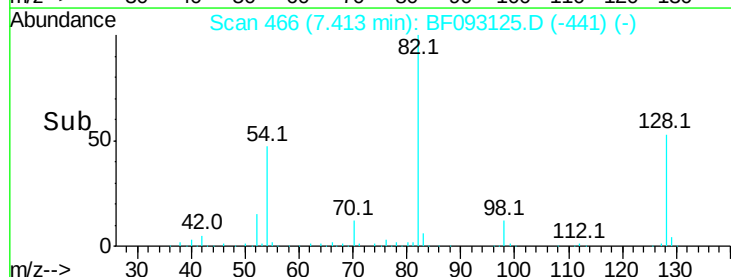


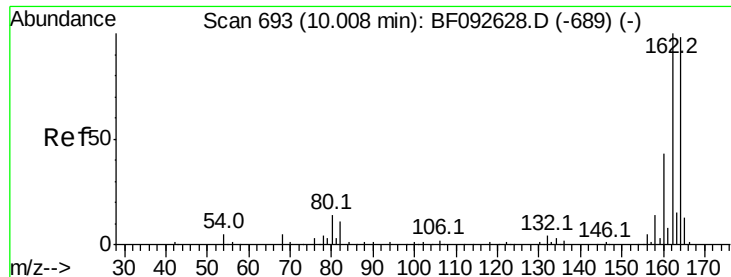
#23
Nitrobenzene-d5
Concen: 77.97 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	794014		
128	53.2		34.6	52.0#
54	47.3		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





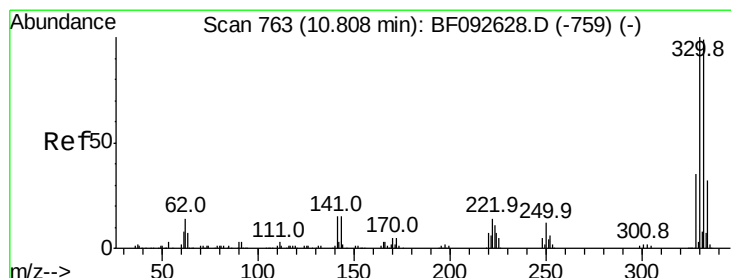
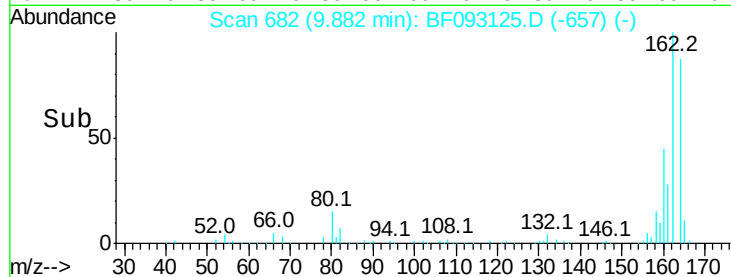
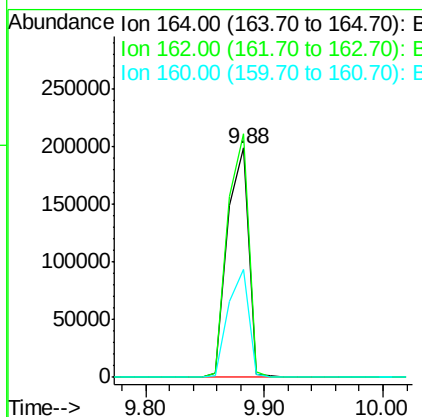
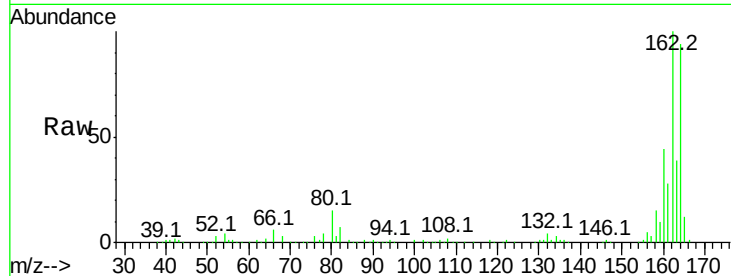
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093125.D
 Acq: 24 Feb 2017 00:56

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.4	80.2	120.2
160	47.3	36.9	55.3

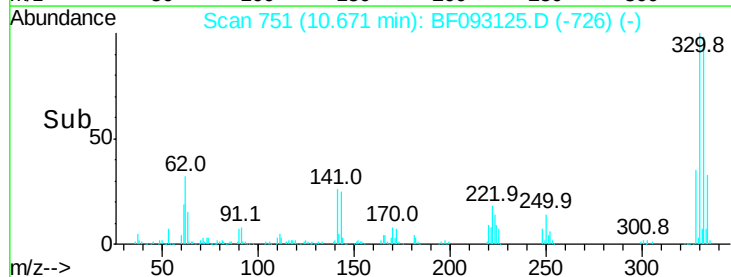
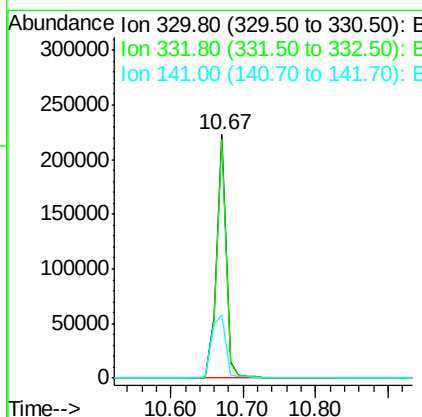
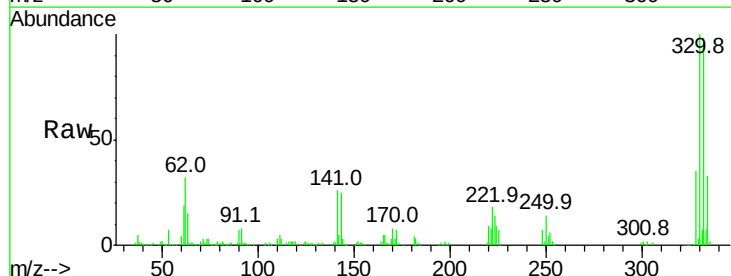
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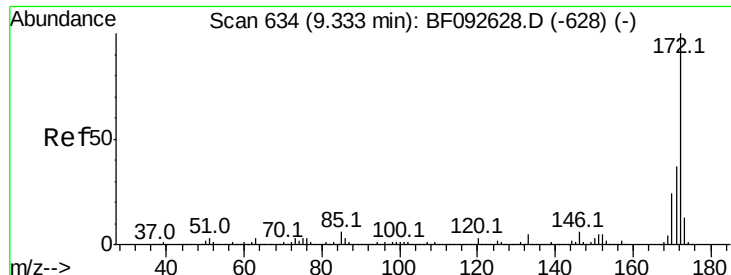
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#41
 2,4,6-Tribromophenol
 Concen: 117.75 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093125.D
 Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	37.7	34.1	51.1





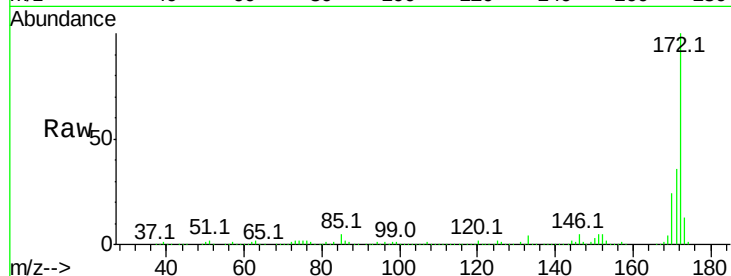
#44
2-Fluorobiphenyl
Concen: 90.50 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

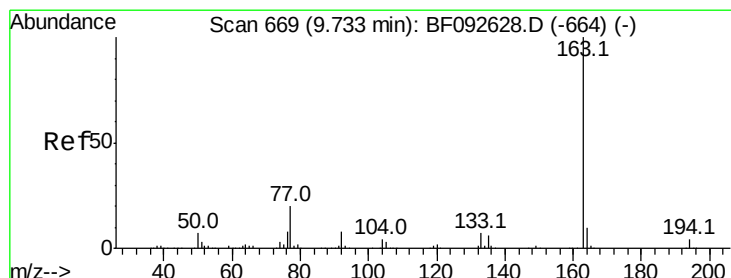
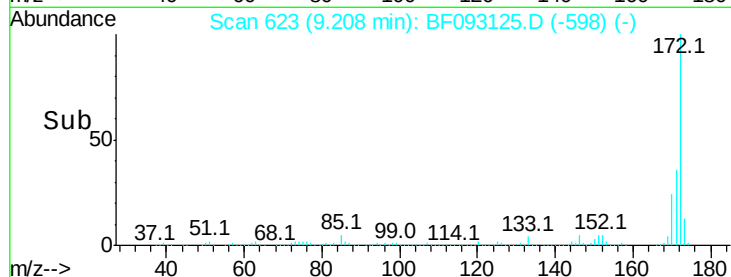
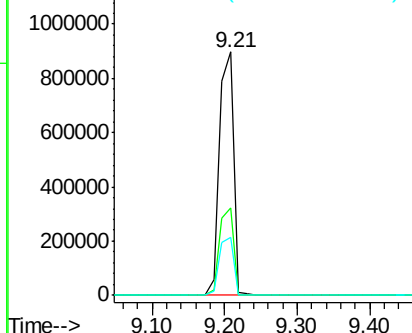
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.7	20.2	30.4

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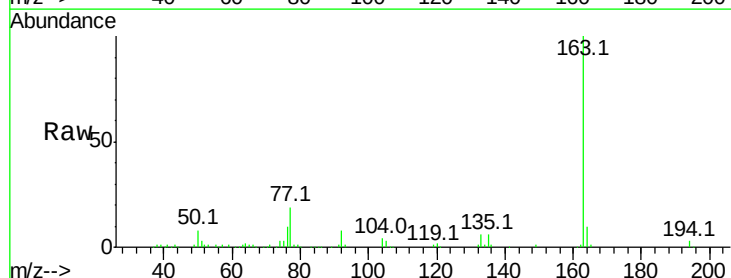


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

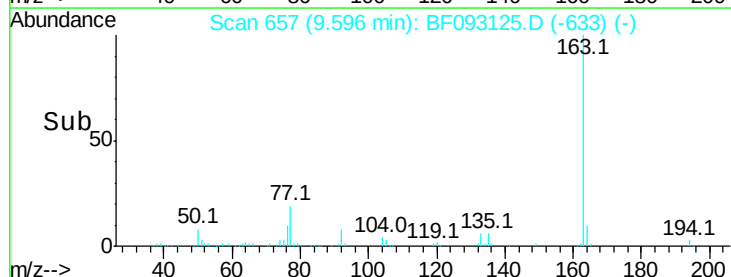
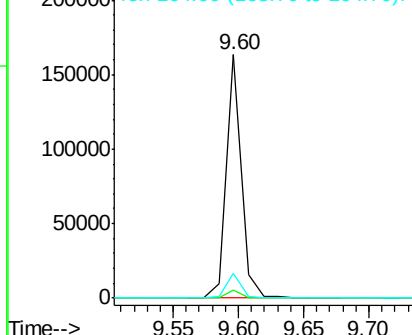


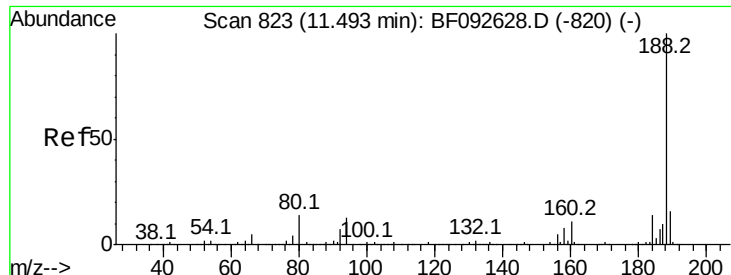
#49
Dimethylphthalate
Concen: 8.01 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.1	8.0	12.0



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





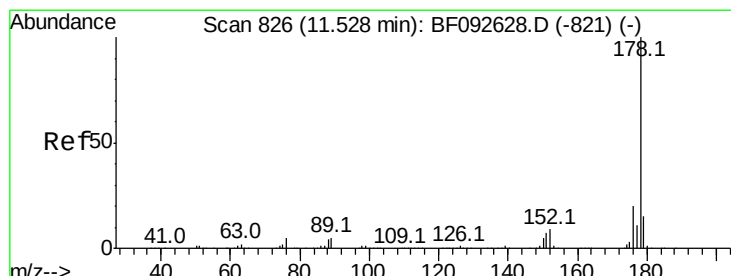
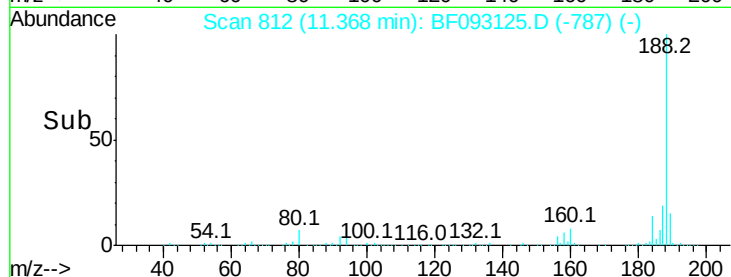
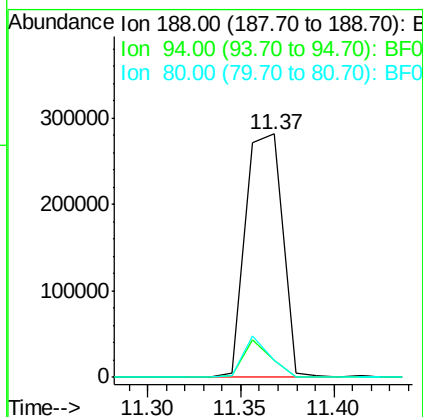
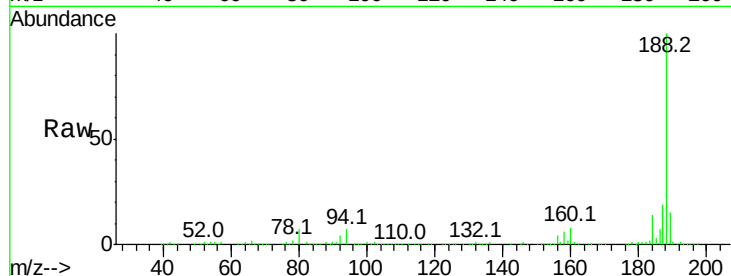
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.1	10.0	15.0#
80	6.9	11.2	16.8#

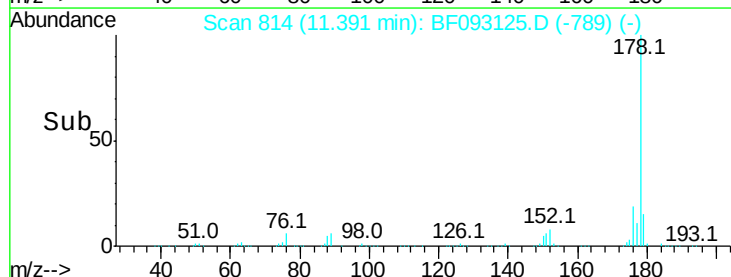
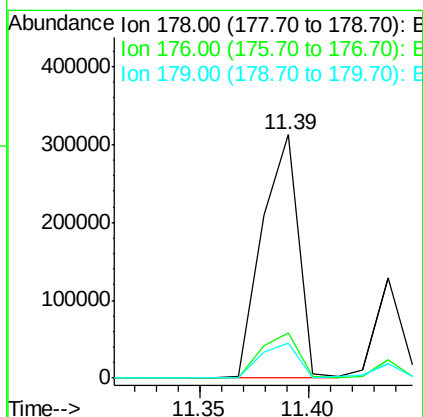
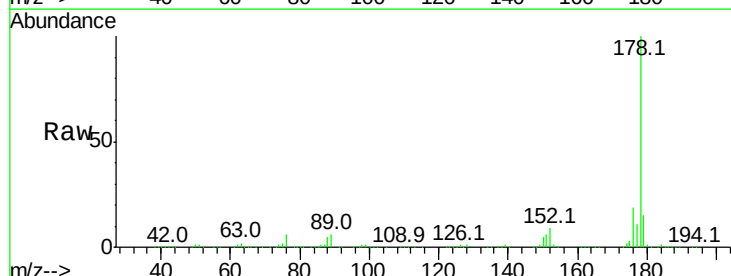
Manual Integrations
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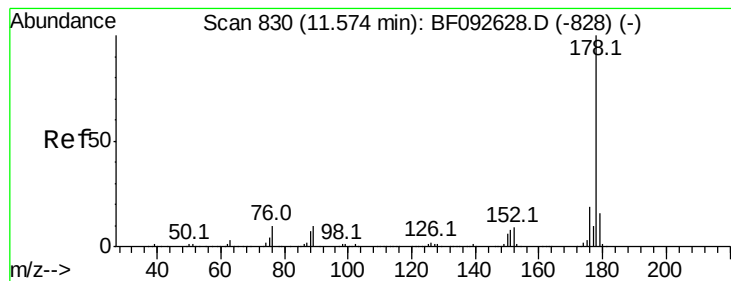
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#70
Phenanthrene
Concen: 16.43 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	16.6	25.0
179	14.6	12.8	19.2





#71

Anthracene

Concen: 4.84 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

Instrument :

BNA_F

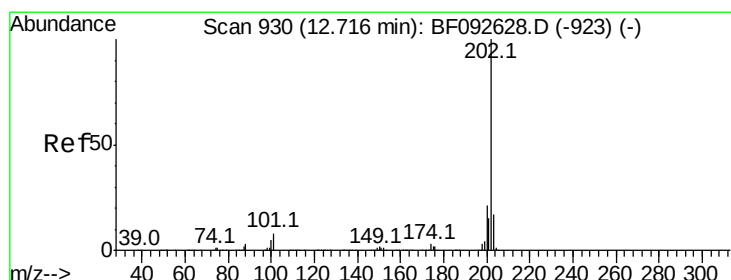
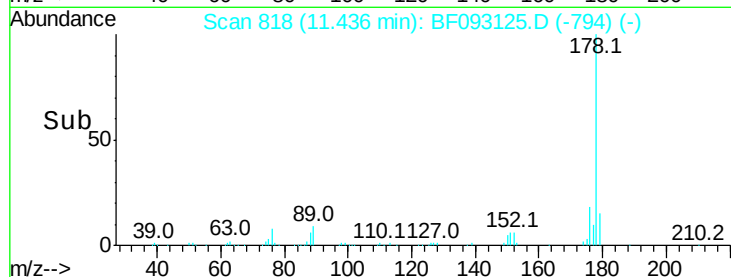
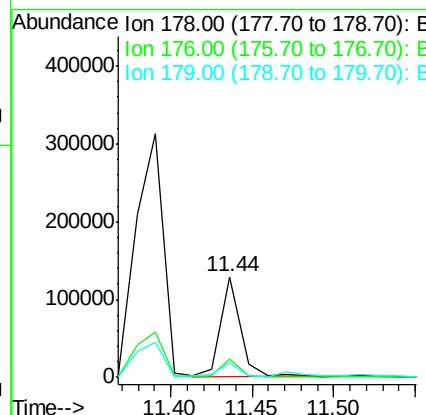
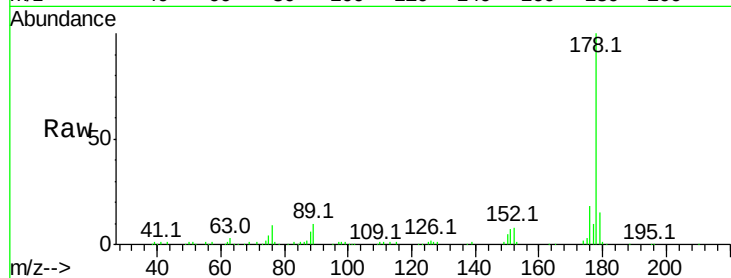
ClientSampleId :

CLP-S-03(0-5)

Tot Ion:178	Resp:	108029
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.9 23.9
179	14.8	13.2 19.8

Manual Integrations
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#74

Fluoranthene

Concen: 28.23 ng

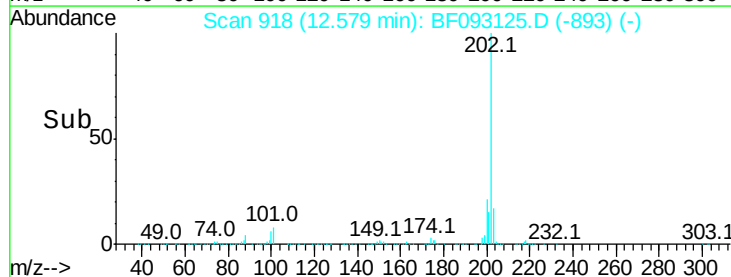
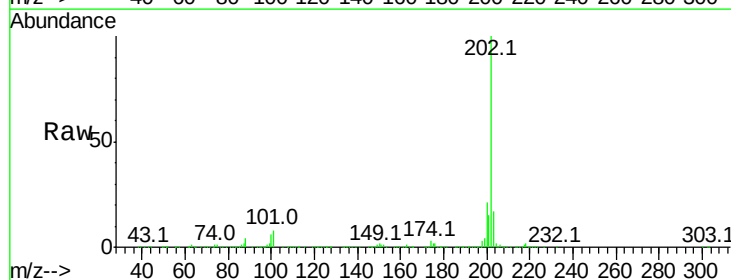
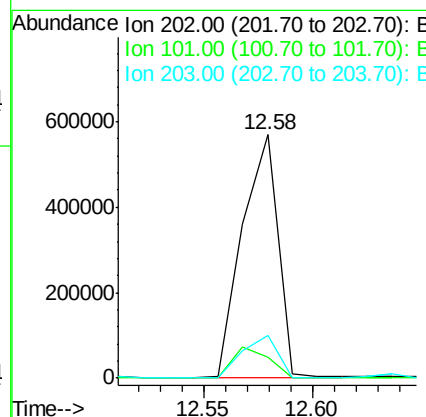
RT: 12.58 min Scan# 918

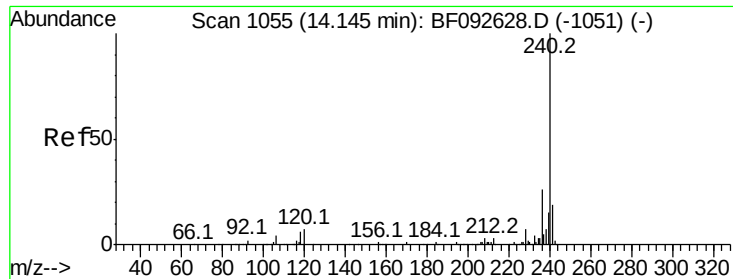
Delta R.T. -0.01 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

Tgt Ion:202	Resp:	647742
Ion Ratio	Lower	Upper
202	100	
101	8.4	0.0 34.6
203	17.4	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: BF093125.D

Acq: 24 Feb 2017 00:56

Instrument :

BNA_F

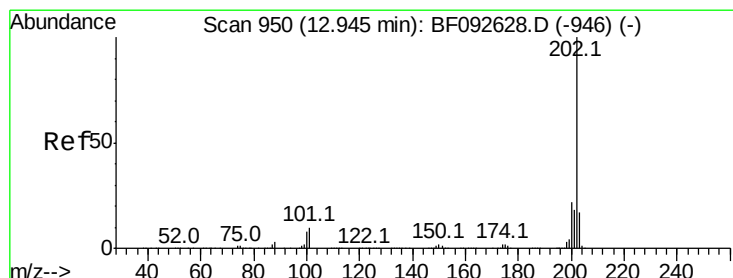
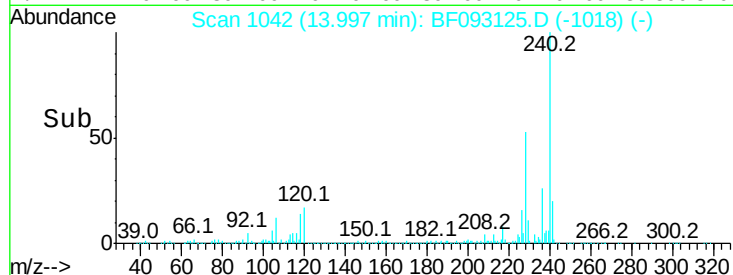
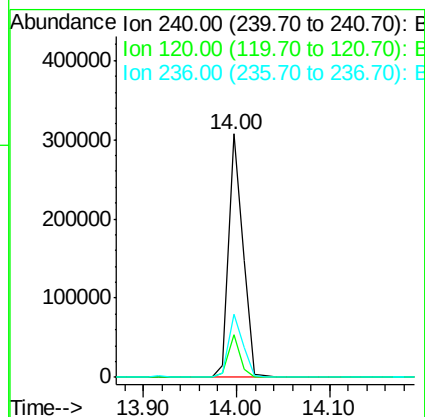
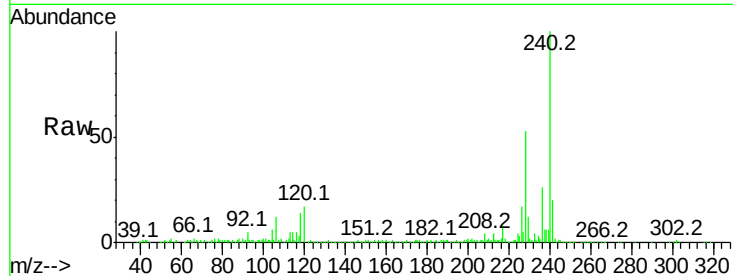
ClientSampleId :

CLP-S-03(0-5)

Tot Ion:	240	Resp:	331427
Ion Ratio	Lower	Upper	
240	100		
120	17.4	12.9	19.3
236	25.9	20.9	31.3

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#77

Pyrene

Concen: 24.58 ng

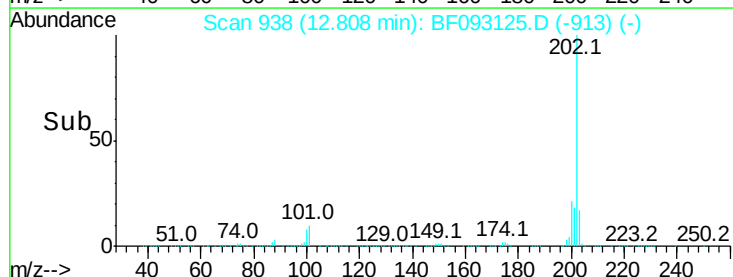
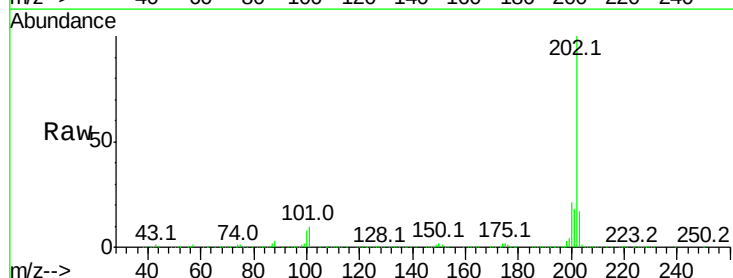
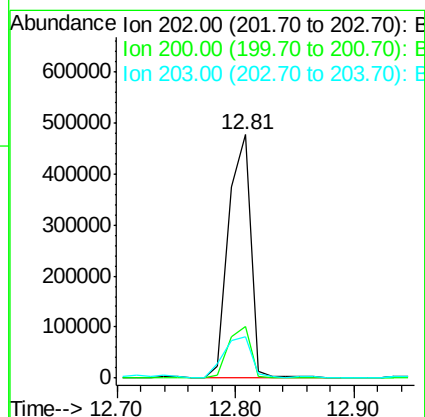
RT: 12.81 min Scan# 938

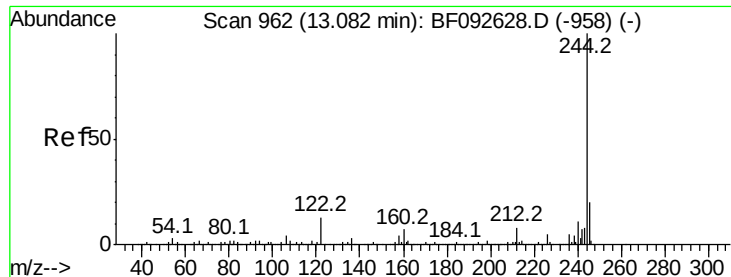
Delta R.T. -0.01 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

Tgt Ion:	202	Resp:	609575
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.2	14.7	22.1





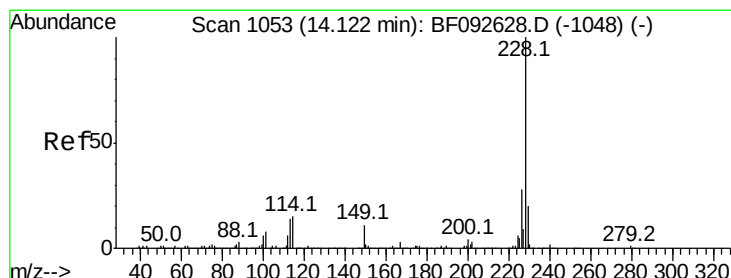
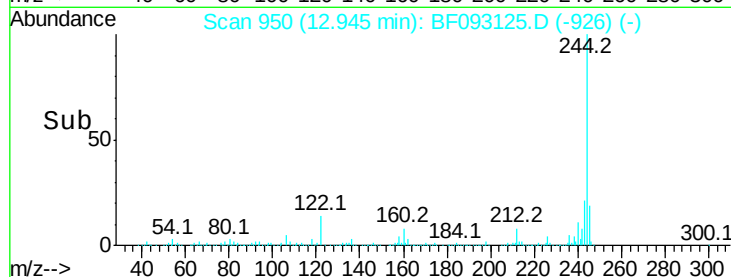
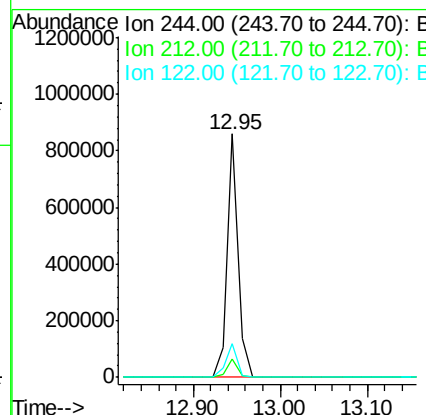
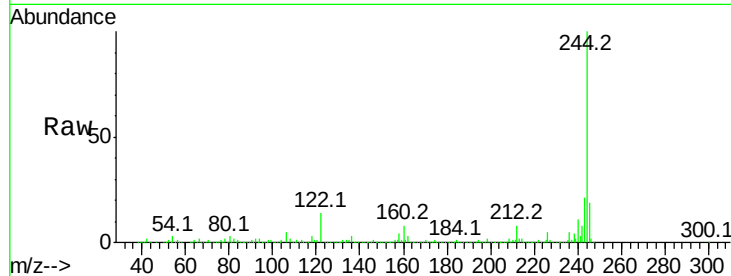
#78
 Terphenyl-d14
 Concen: 54.14 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093125.D
 Acq: 24 Feb 2017 00:56

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

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	6.2	9.2	
122	13.9	11.4	17.2	

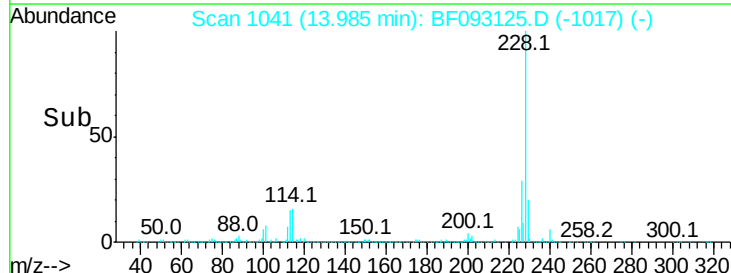
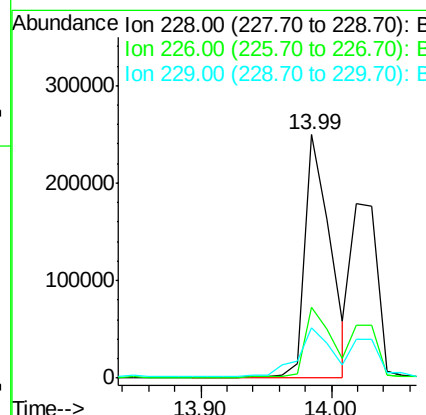
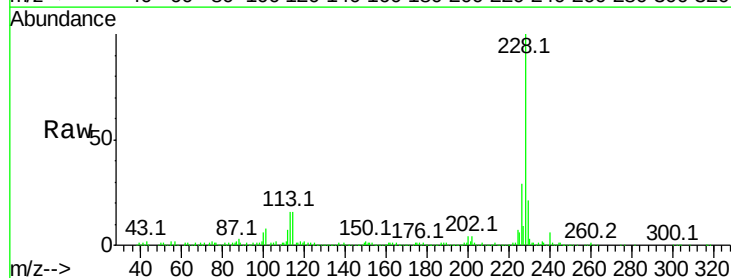
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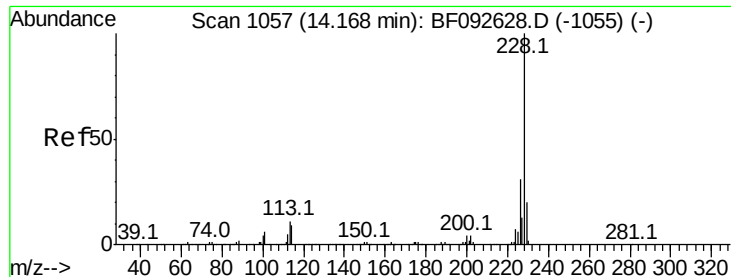
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#80
 Benzo(a)anthracene
 Concen: 16.56 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF093125.D
 Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.1	22.4	33.6	
229	20.9	16.2	24.4	





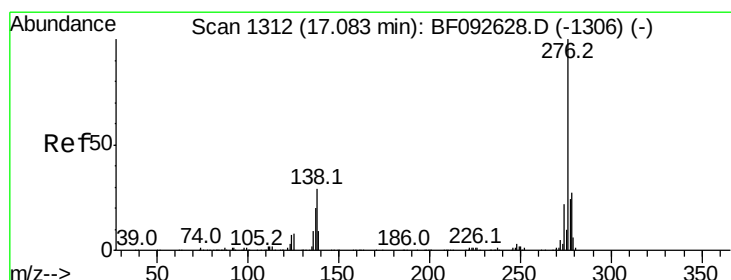
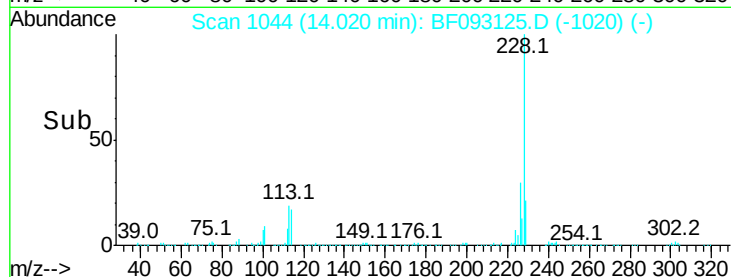
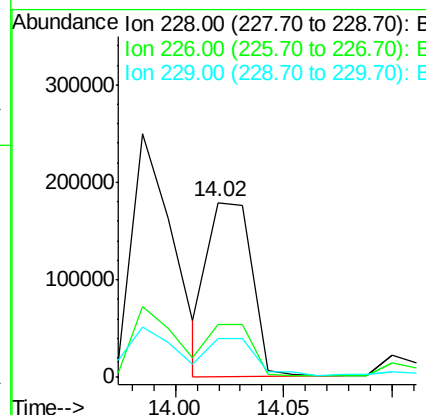
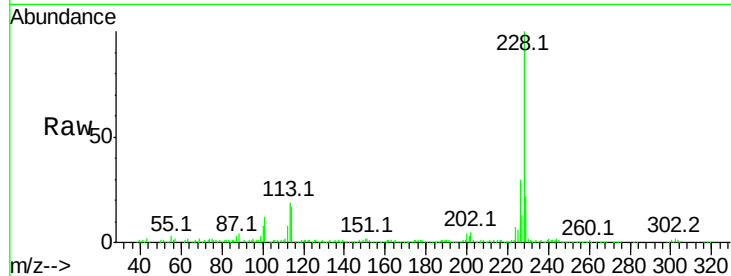
#82
Chrysene
Concen: 13.13 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

Tot Ion:	228	Resp:	249204
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.0
229	22.0	16.2	24.2

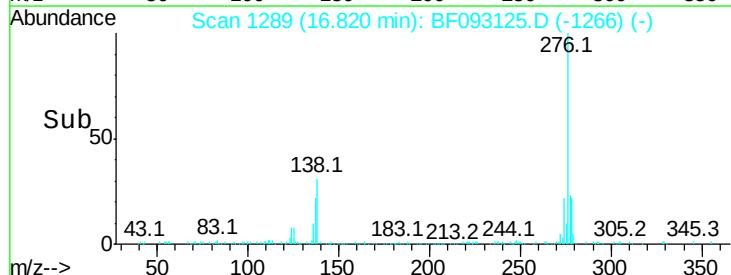
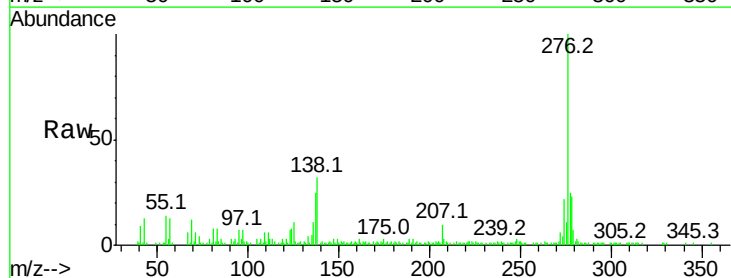
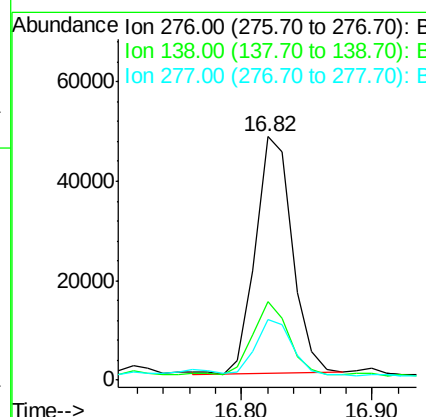
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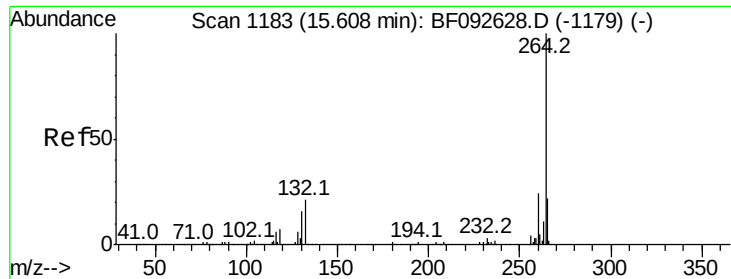
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.41 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion:	276	Resp:	94280
Ion Ratio	Lower	Upper	
276	100		
138	31.6	21.8	32.6
277	23.6	20.2	30.4





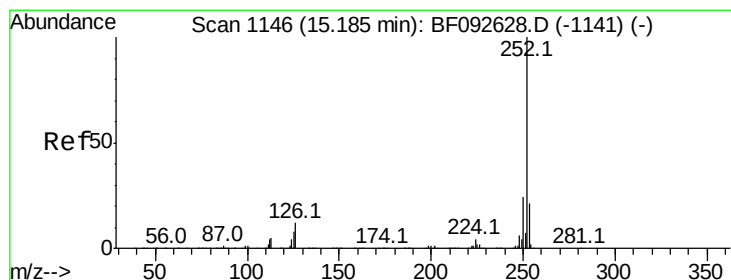
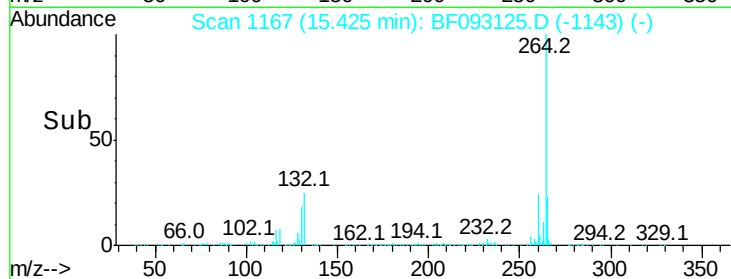
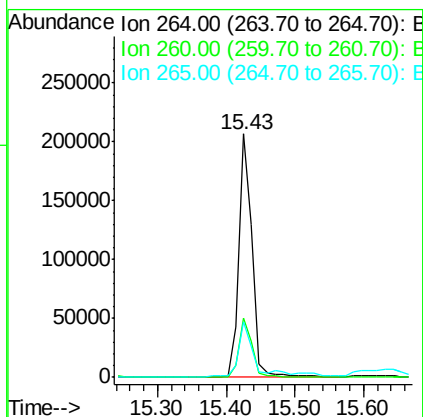
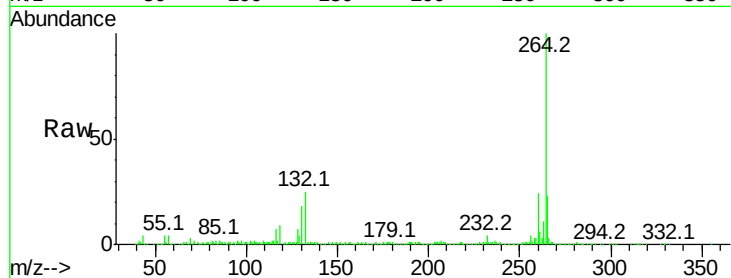
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.0	17.4	26.0

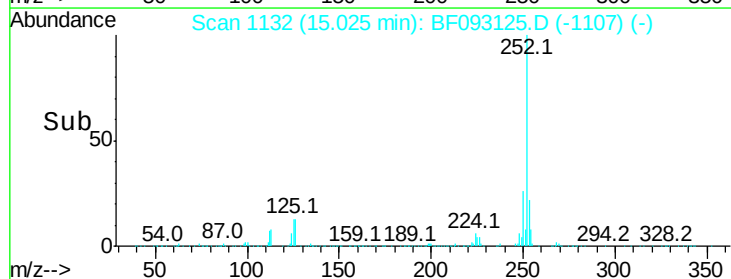
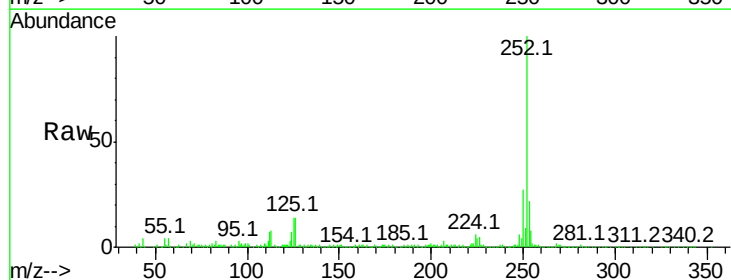
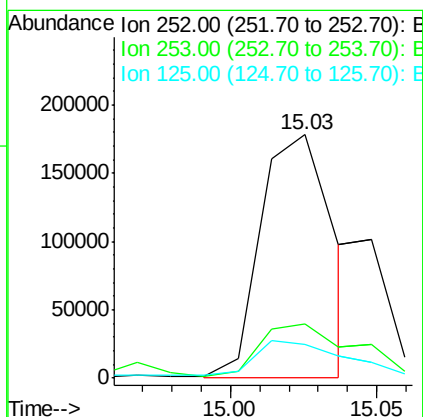
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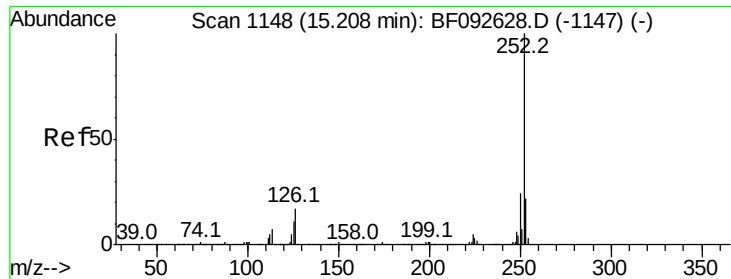
mohammad
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#87
Benzo(b)fluoranthene
Concen: 17.06 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	14.1	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 5.53 ng m

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

Instrument :

BNA_F

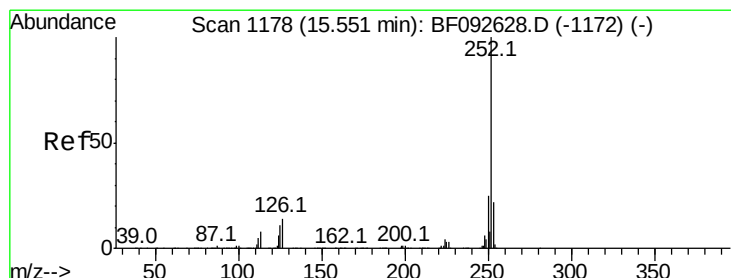
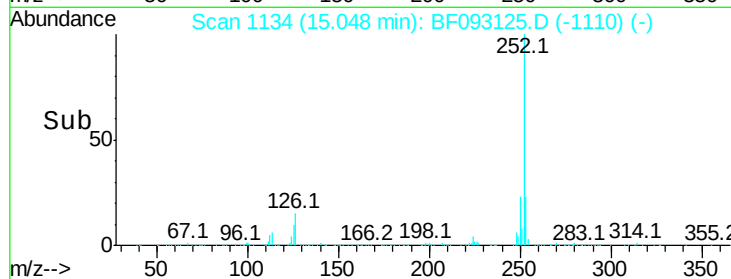
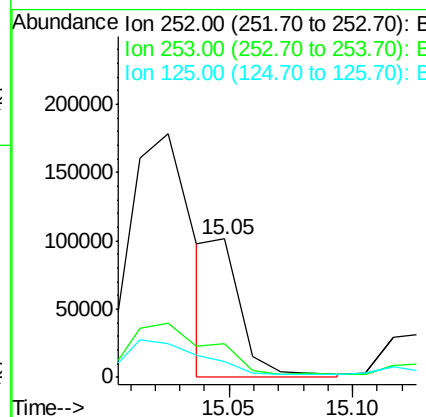
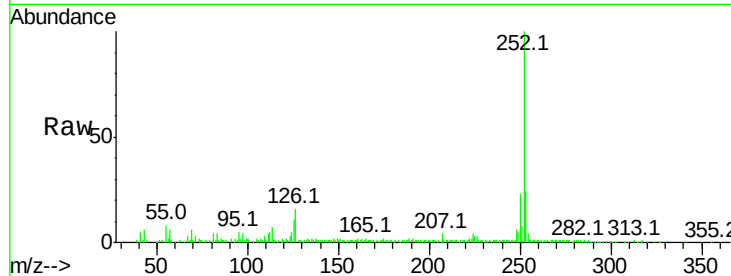
ClientSampleId :

CLP-S-03(0-5)

Tot Ion:	252	Resp:	86529
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.5	27.7
125	11.3	8.9	13.3

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 13.53 ng

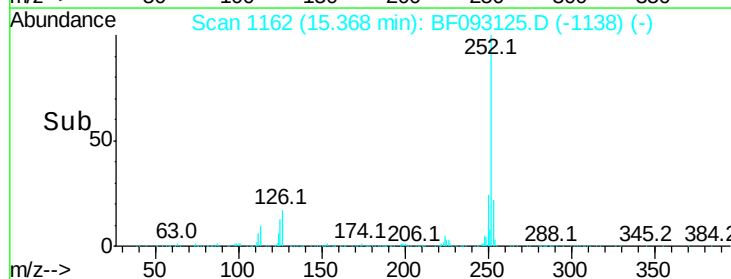
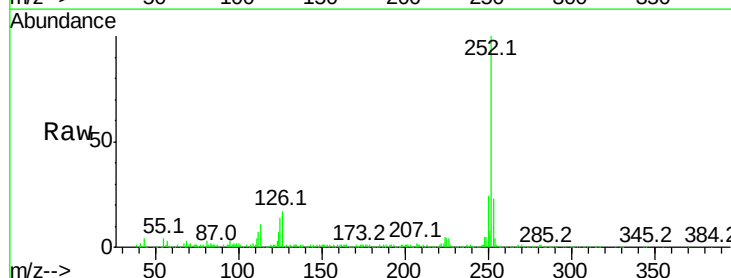
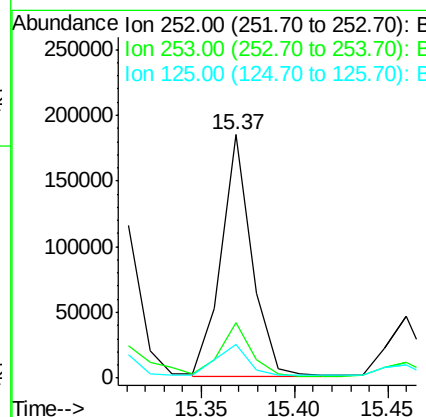
RT: 15.37 min Scan# 1162

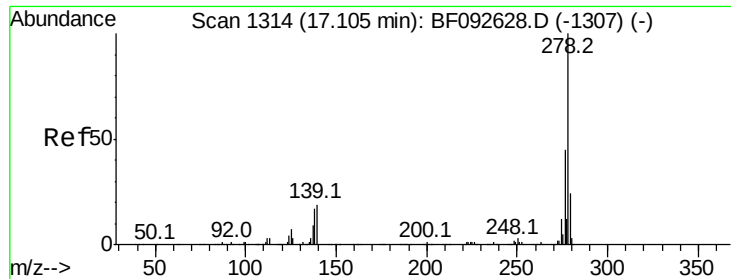
Delta R.T. -0.02 min

Lab File: BF093125.D

Acq: 24 Feb 2017 00:56

Tgt Ion:	252	Resp:	212252
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	13.7	10.0	15.0





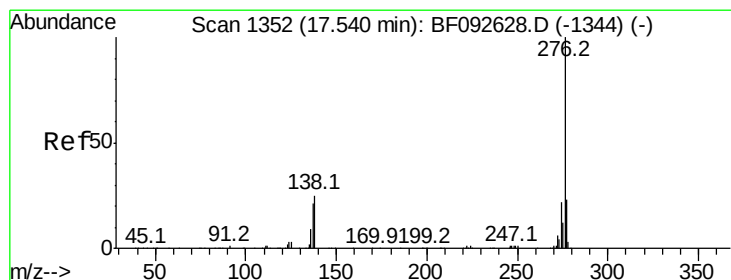
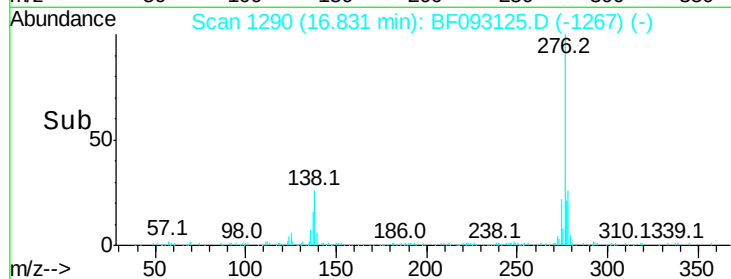
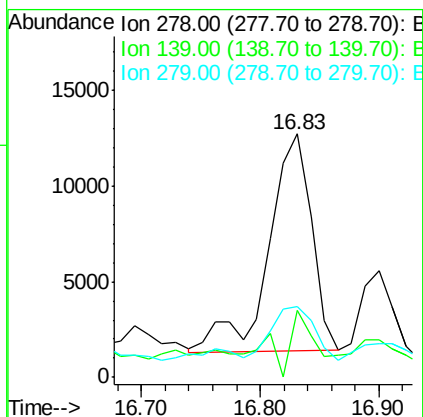
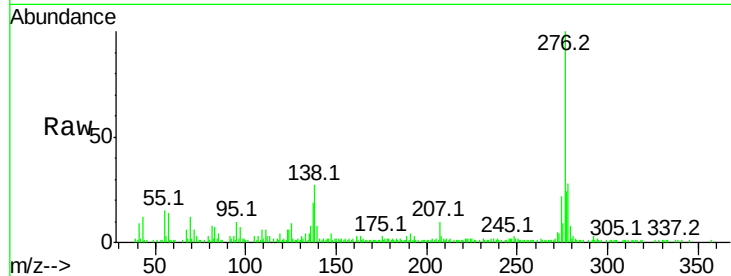
#90
Dibenzo(a,h)anthracene
Concen: 2.25 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.2	14.8	22.2#
279	29.0	19.8	29.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.92 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BF093125.D
Acq: 24 Feb 2017 00:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	32.0	16.0	24.0#

