

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093163.D
 Acq On : 24 Feb 2017 23:57
 Operator : SJ/MA
 Sample : I1957-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SRI-SB-6(12-14)20170222

Manual Integrations
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mohammad
 2/27/2017 1:07:41 PM

Quant Time: Feb 25 02:17:11 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	157158	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	600294	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	299338	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	539440	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	438028	20.00	ng	-0.02
86) Perylene-d12	15.43	264	304157	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1016727	110.99	ng	-0.02
7) Phenol-d6	6.48	99	1458029	123.70	ng	-0.01
23) Nitrobenzene-d5	7.40	82	921031	85.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	293563	135.60	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1351481	81.80	ng	-0.02
78) Terphenyl-d14	12.94	244	1261303	67.66	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.49	94	75945	5.51	ng	# 65
49) Dimethylphthalate	9.60	163	102525	5.09	ng	99
54) Dibenzofuran	10.08	168	62704	2.68	ng	97
57) Fluorene	10.42	166	76879	4.27	ng	99
70) Phenanthrene	11.38	178	674844	21.84	ng	98
71) Anthracene	11.44	178	192666	6.21	ng	97
74) Fluoranthene	12.57	202	646405	20.28	ng	95
77) Pyrene	12.80	202	521618	15.91	ng	99
80) Benzo(a)anthracene	13.99	228	247072	9.22	ng	98
82) Chrysene	14.02	228	175058m	6.98	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	58255m	3.00	ng	
87) Benzo(b)fluoranthene	15.03	252	187040m	9.34	ng	
88) Benzo(k)fluoranthene	15.05	252	55837m	3.23	ng	
89) Benzo(a)pyrene	15.37	252	117906	6.81	ng	97
91) Benzo(a,h,i)perylene	17.25	276	57570	4.07	ng	# 95

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

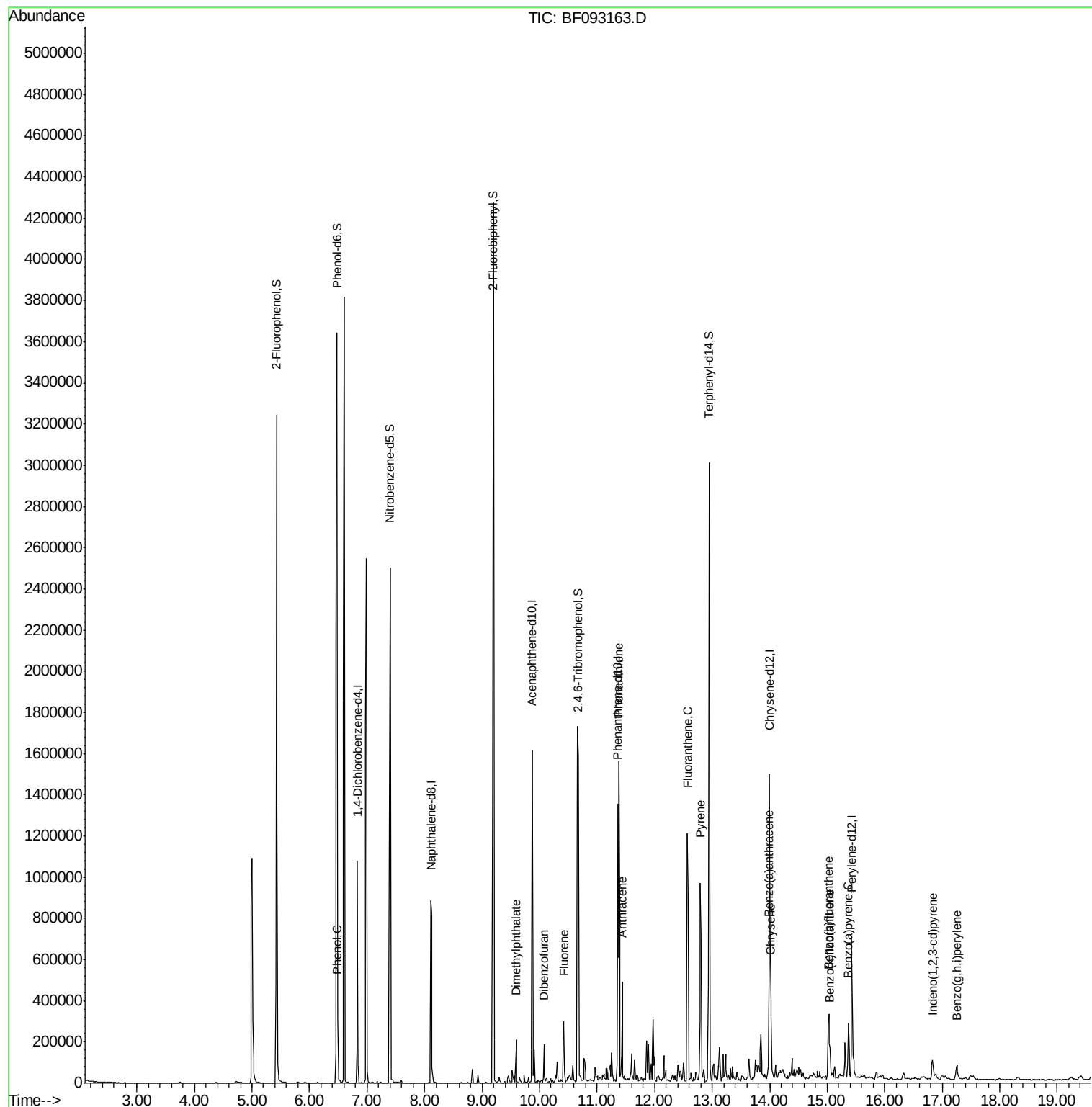
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093163.D
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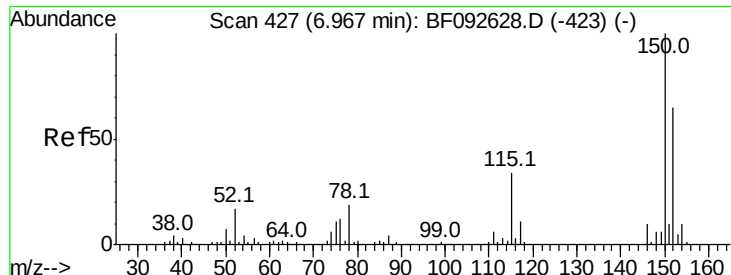
Instrument :
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#1

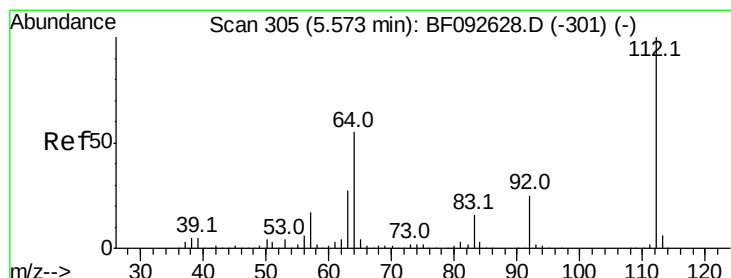
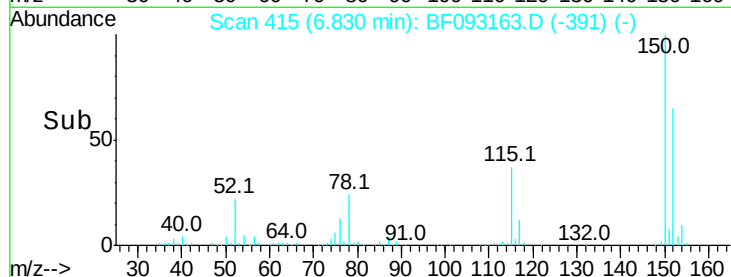
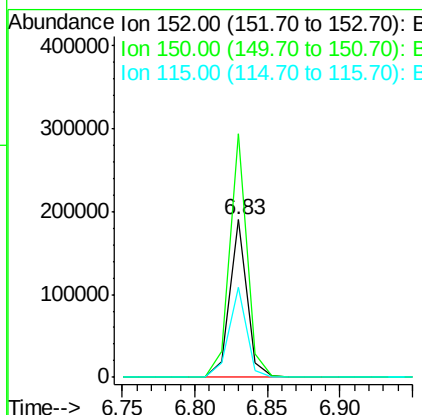
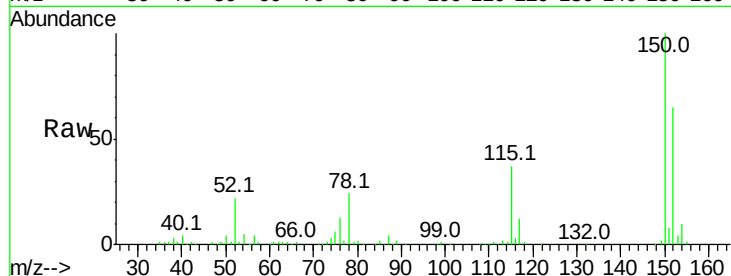
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.9	187.3
115	57.2	46.0	69.0

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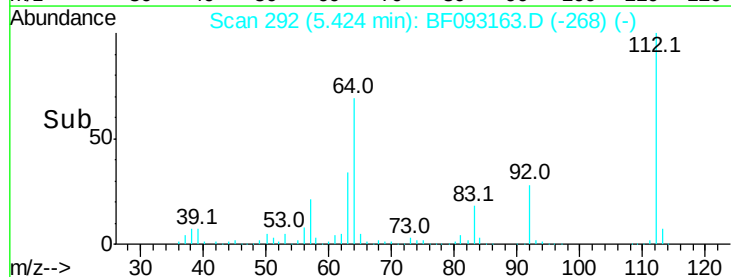
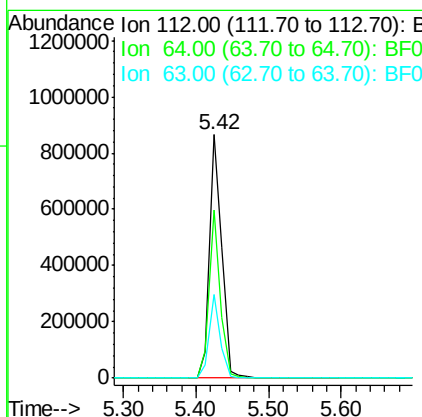
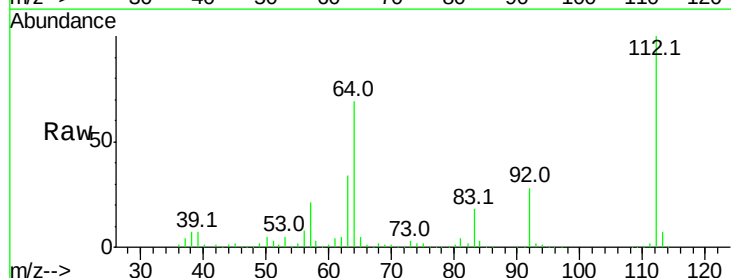
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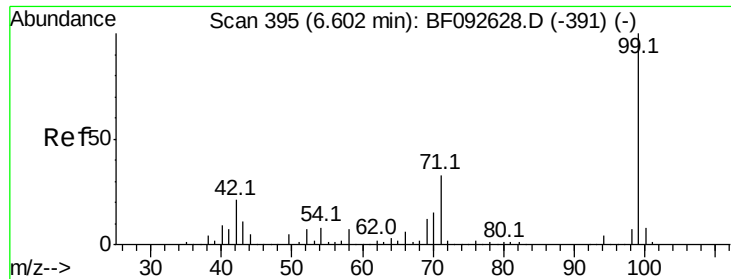


#5

2-Fluorophenol
Concen: 110.99 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	46.1	69.1
63	34.4	23.8	35.6





#7

Phenol-d6

Concen: 123.70 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

Instrument :

BNA_F

ClientSampleId :

SRI-SB-6(12-14)20170222

Tot Ion: 99 Resp: 1458029

Ion Ratio Lower Upper

99 100

42 18.1 15.6 23.4

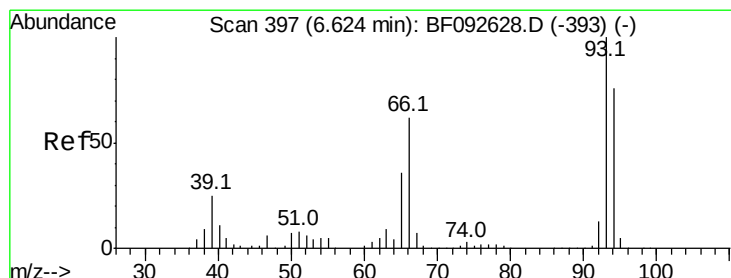
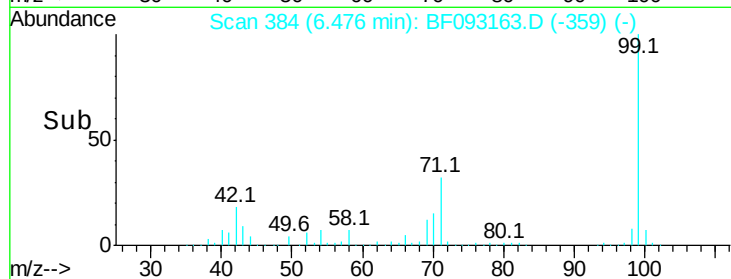
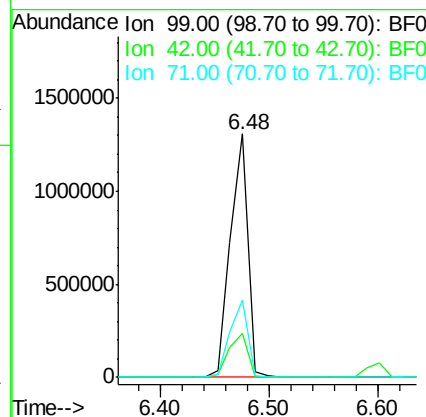
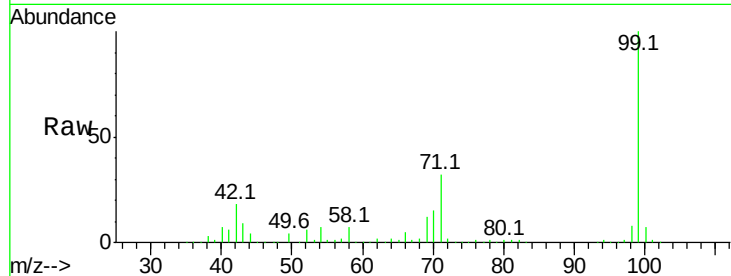
71 31.5 27.5 41.3

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#10

Phenol

Concen: 5.51 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

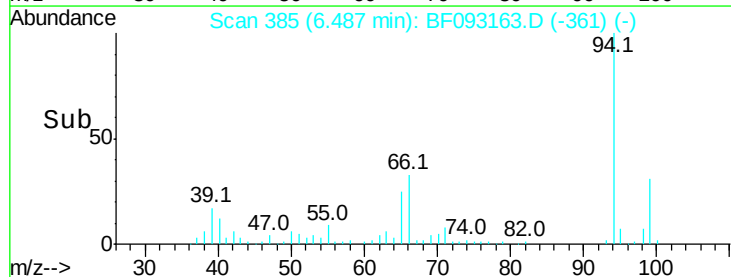
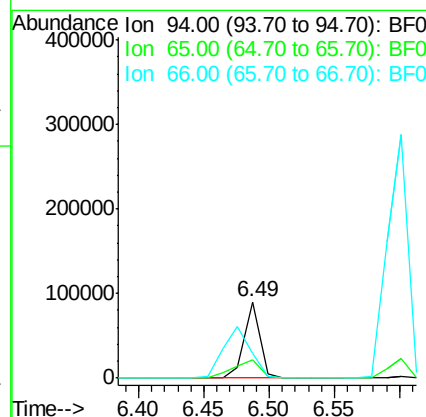
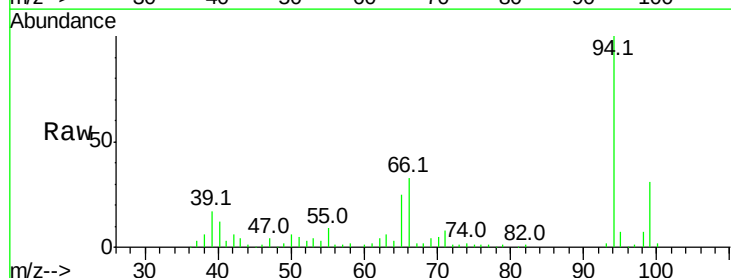
Tgt Ion: 94 Resp: 75945

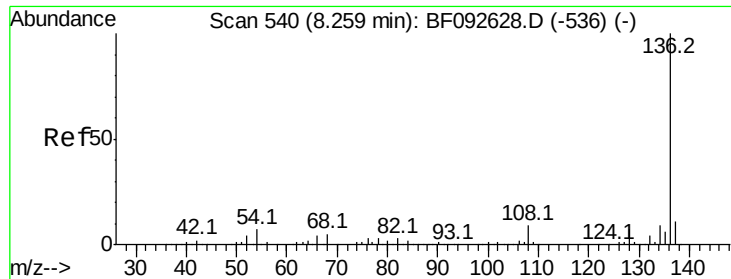
Ion Ratio Lower Upper

94 100

65 24.9 21.4 61.4

66 32.6 44.0 84.0#





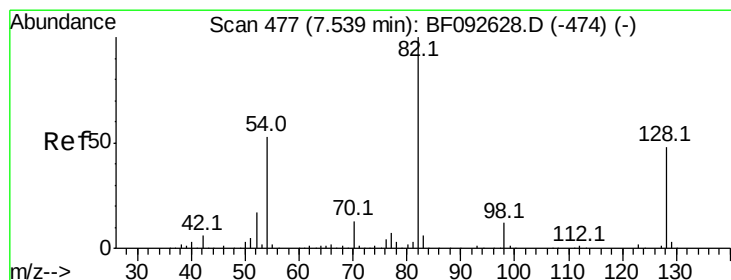
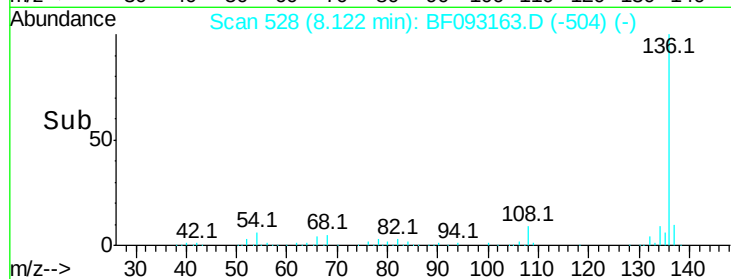
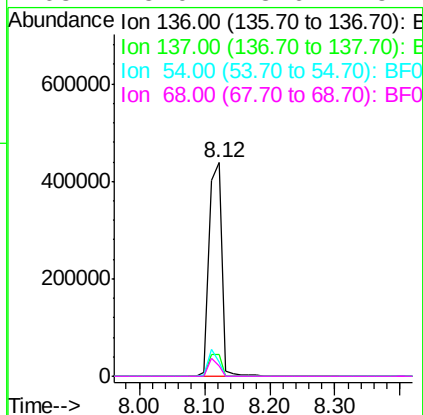
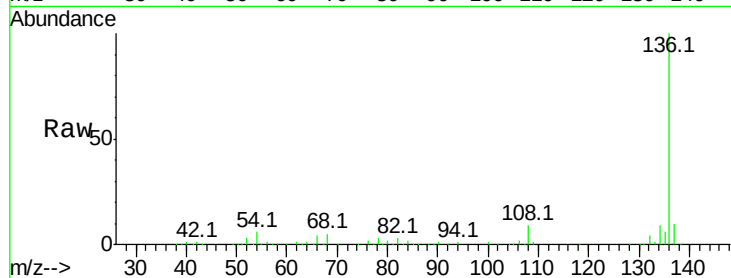
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Resp	Lower	Upper
136	100	600294		
137	10.2		8.4	12.6
54	6.4		4.5	6.7
68	5.0		3.6	5.4

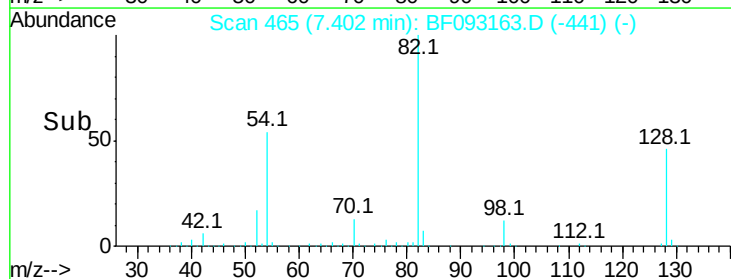
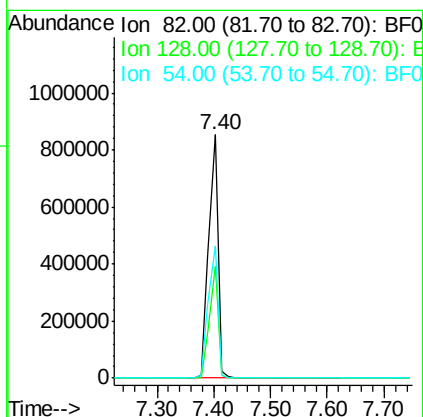
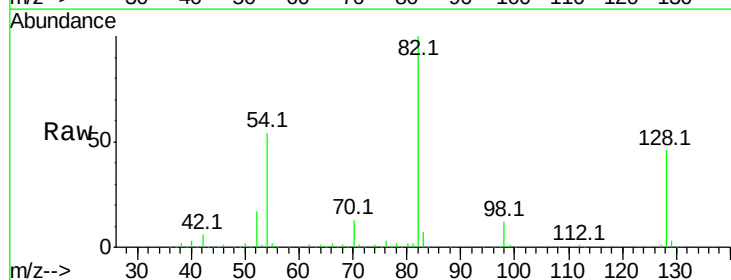
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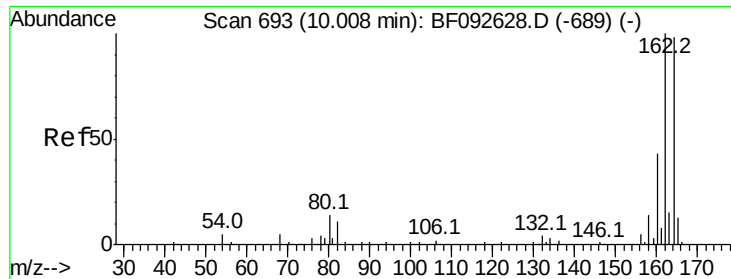
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#23
Nitrobenzene-d5
Concen: 85.44 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	921031		
128	45.8		34.6	52.0
54	54.3		39.5	59.3





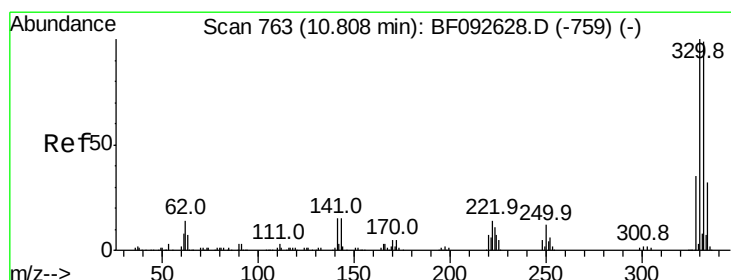
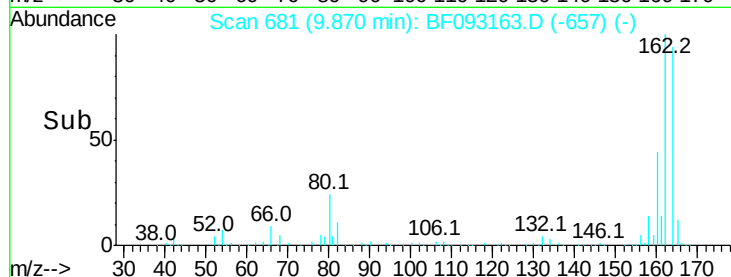
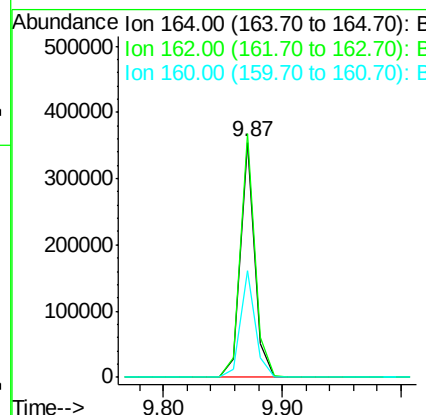
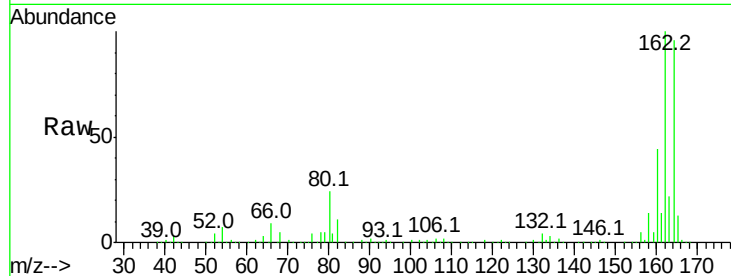
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.2	120.2
160	45.4	36.9	55.3

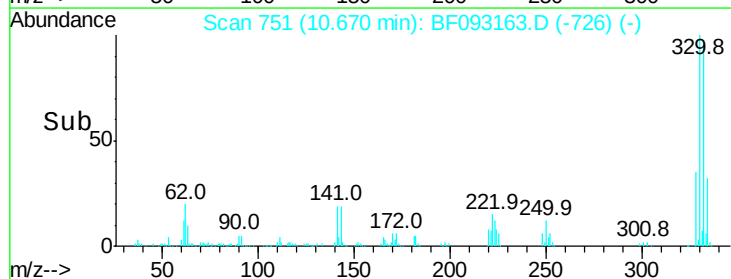
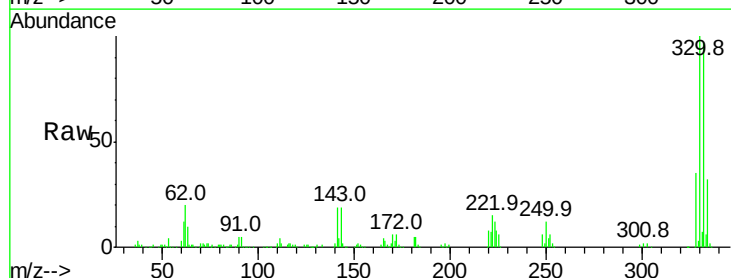
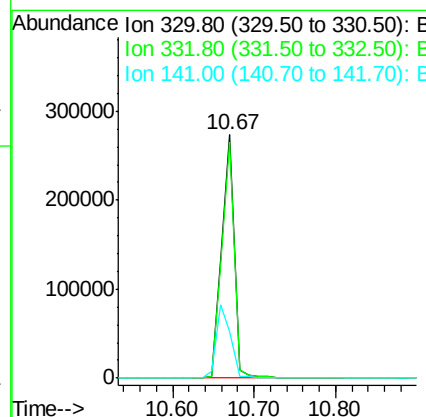
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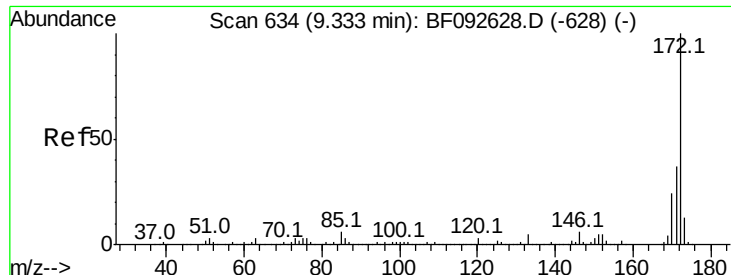
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#41
2,4,6-Tribromophenol
Concen: 135.60 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	34.7	34.1	51.1





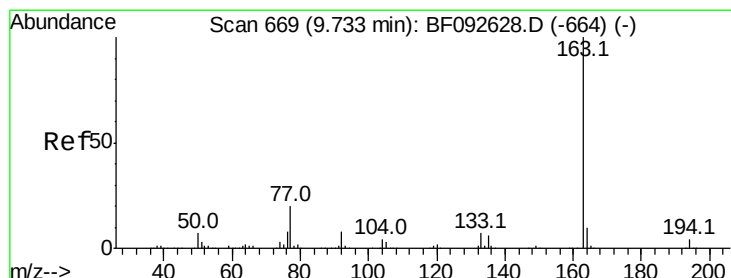
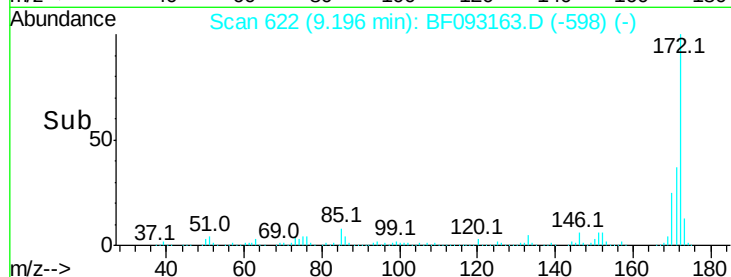
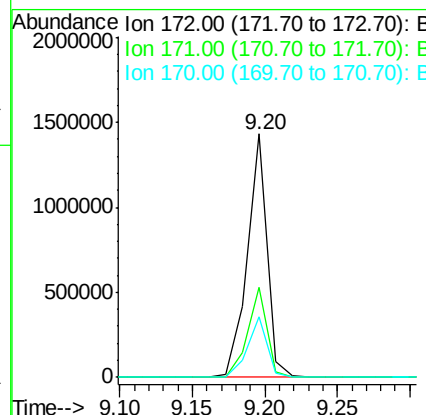
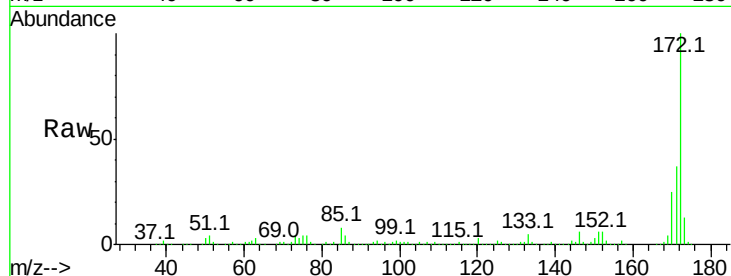
#44
2-Fluorobiphenyl
Concen: 81.80 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.7	20.2	30.4

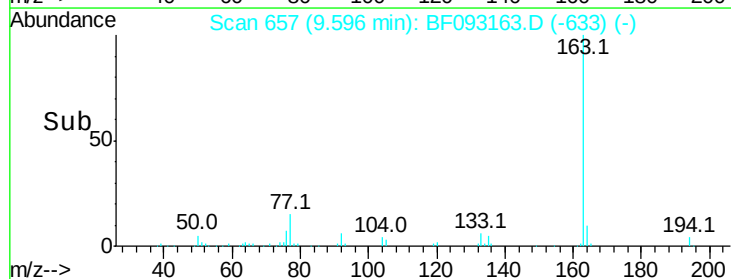
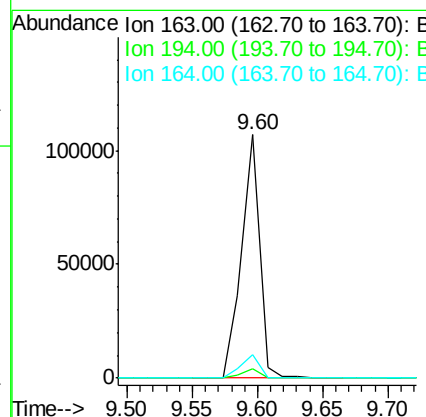
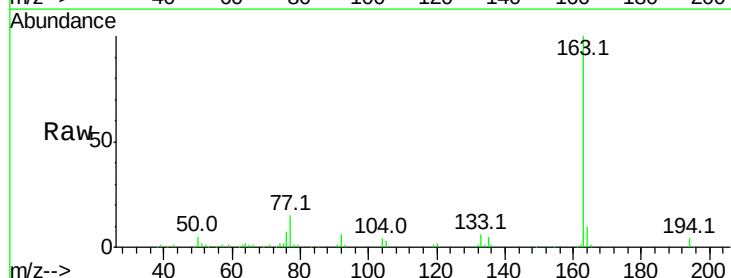
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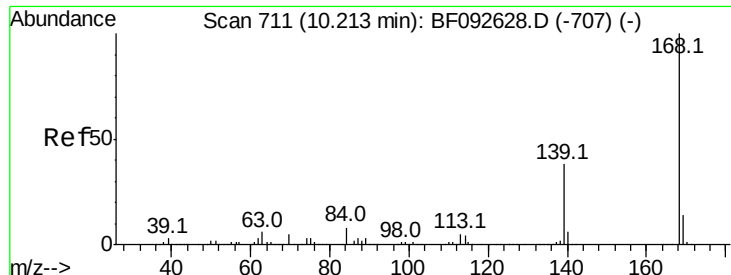
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#49
Dimethylphthalate
Concen: 5.09 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.6	8.0	12.0





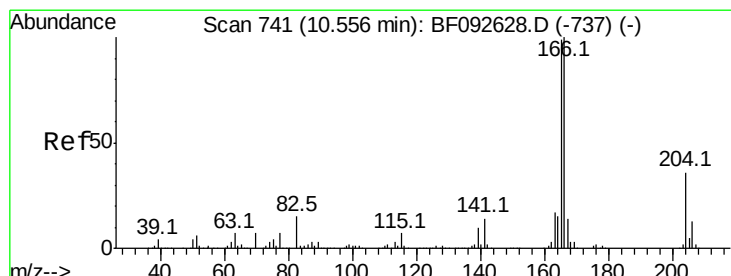
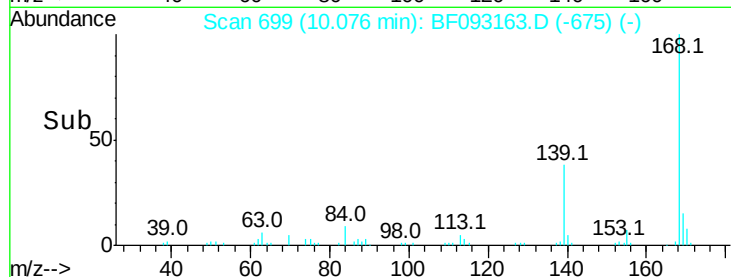
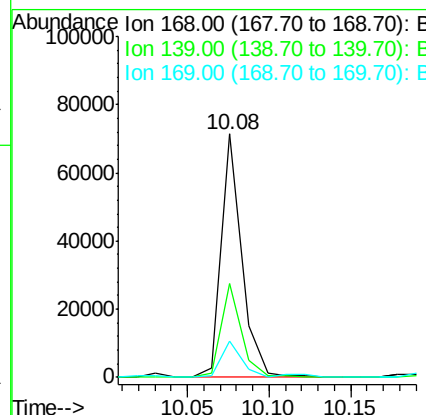
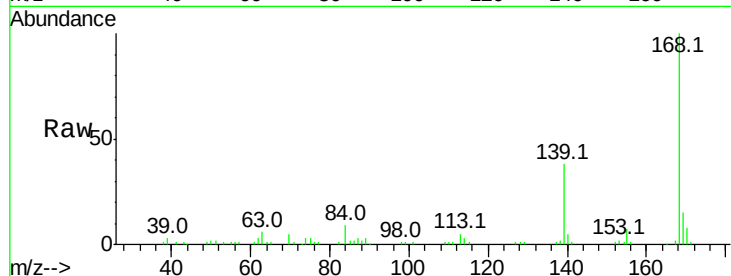
#54
Dibenzenofuran
Concen: 2.68 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	32.6	49.0
169	14.8	11.3	16.9

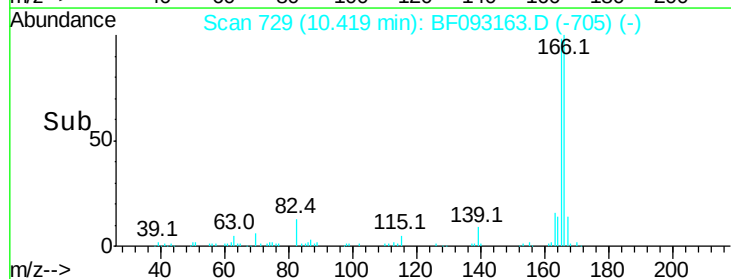
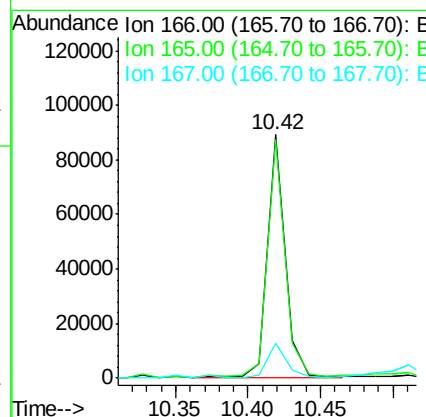
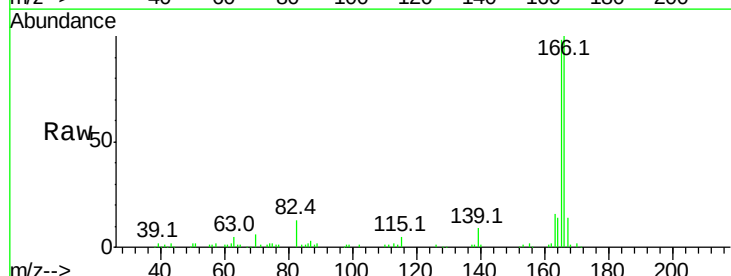
Manual Integrations
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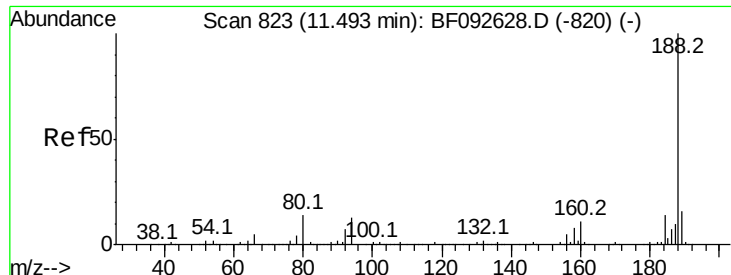
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#57
Fluorene
Concen: 4.27 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.8
167	14.5	10.8	16.2





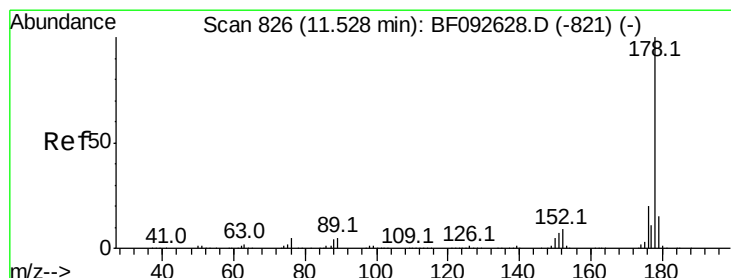
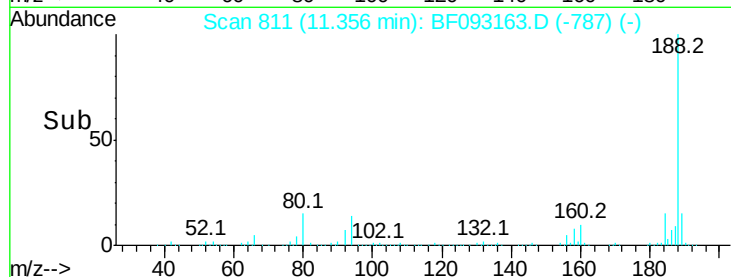
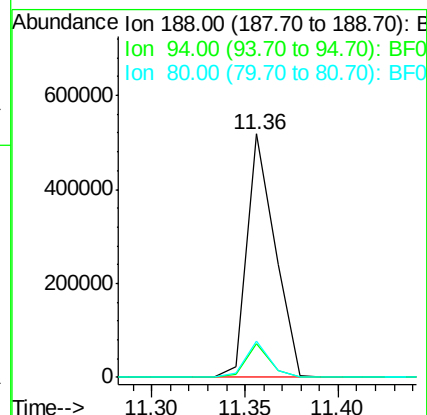
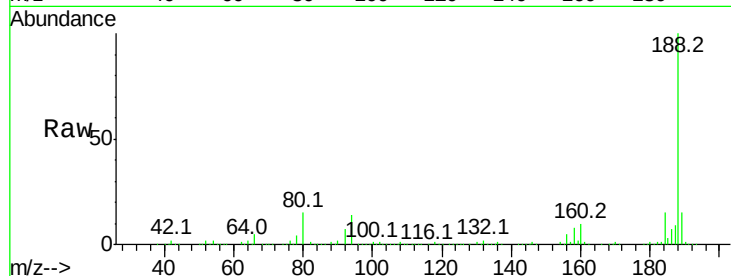
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Resp	Lower	Upper
188	100	539440		
94	13.6	10.0	15.0	
80	15.0	11.2	16.8	

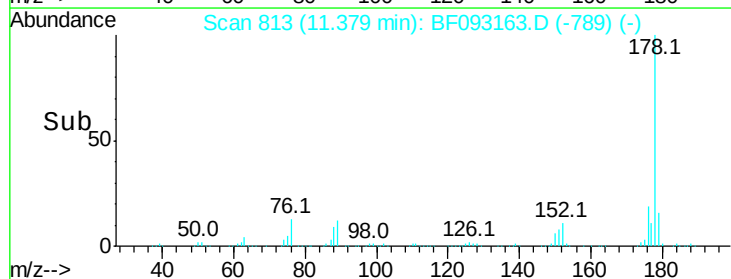
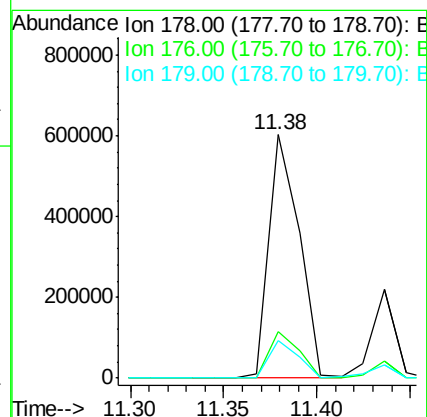
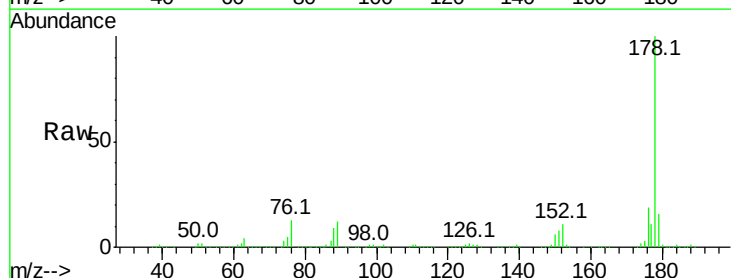
Manual Integrations
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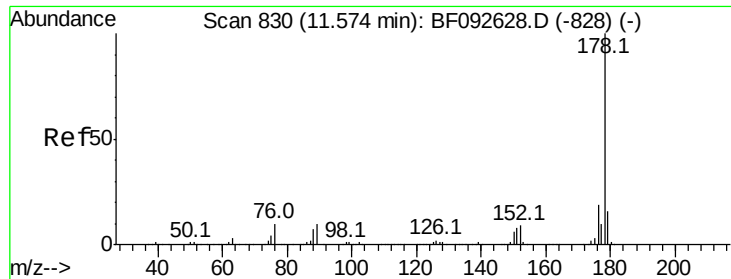
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#70
Phenanthrene
Concen: 21.84 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	674844		
176	19.3	16.6	25.0	
179	15.7	12.8	19.2	





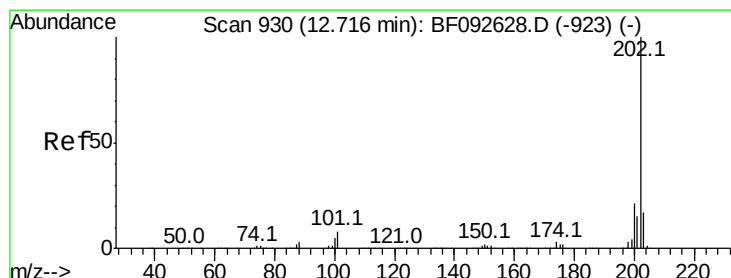
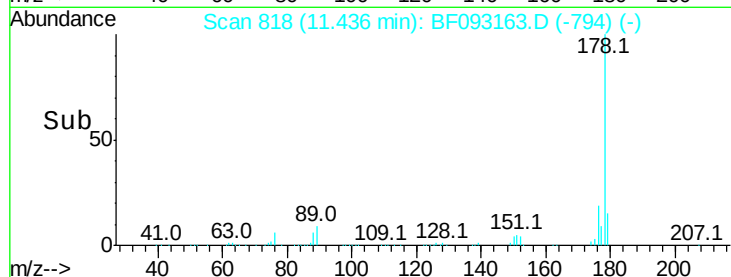
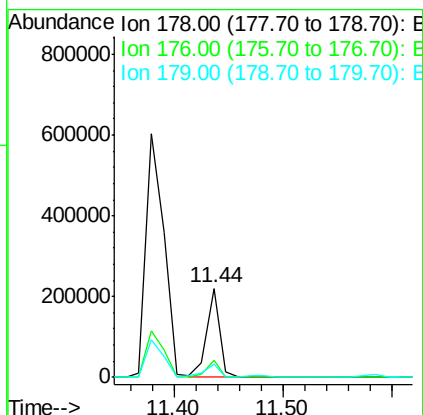
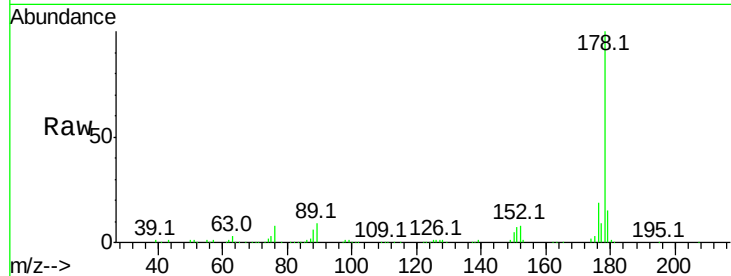
#71
 Anthracene
 Concen: 6.21 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF093163.D
 Acq: 24 Feb 2017 23:57

Instrument :
 BNA_F
 ClientSampleId :
 SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	14.8	13.2	19.8

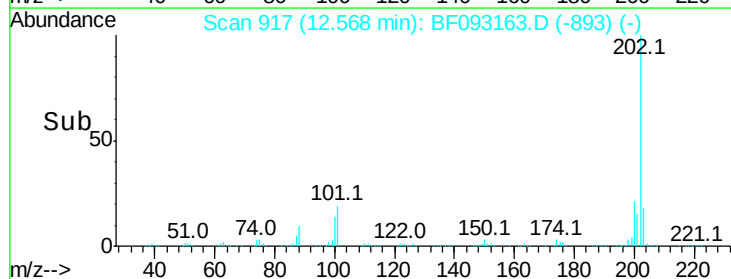
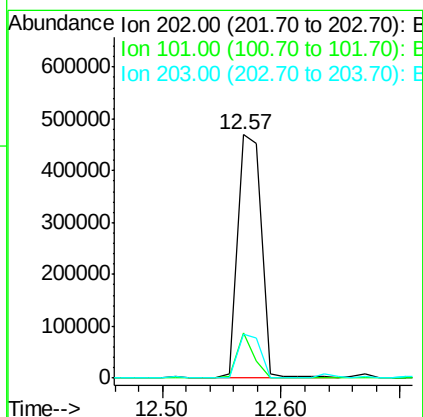
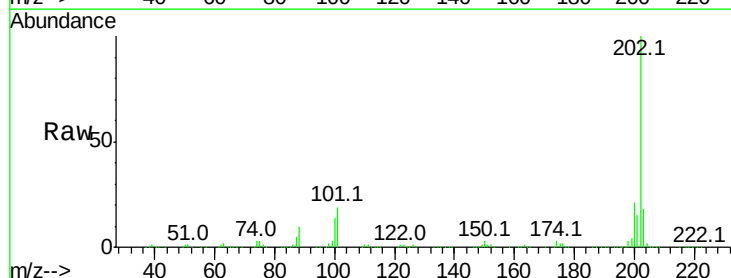
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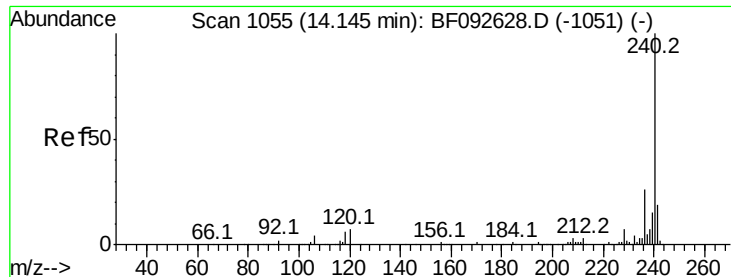
mohammad
 2/27/2017 1:07:41 PM



#74
 Fluoranthene
 Concen: 20.28 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF093163.D
 Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.8	0.0	34.6
203	18.1	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: BF093163.D

Acq: 24 Feb 2017 23:57

Instrument :

BNA_F

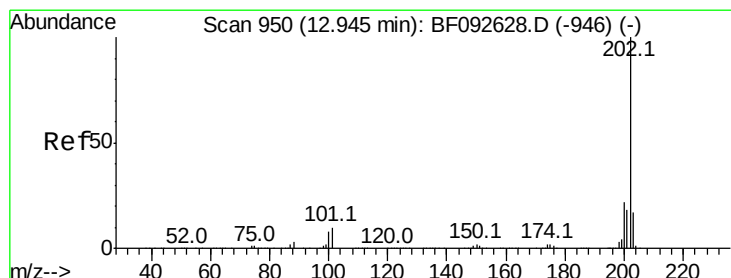
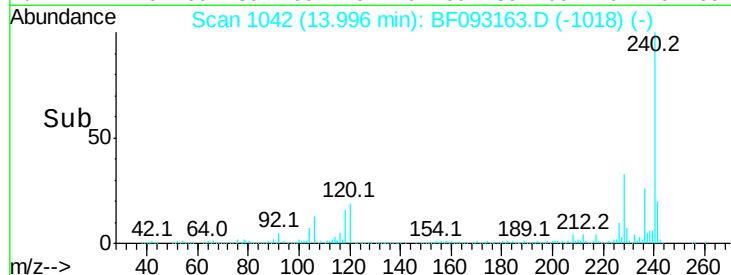
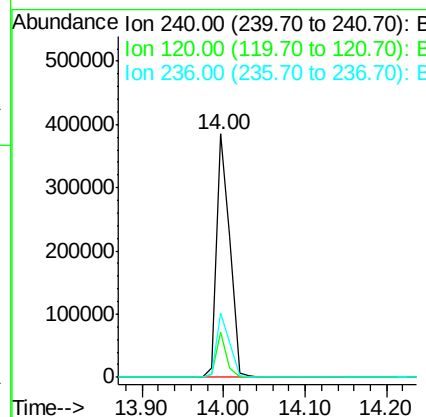
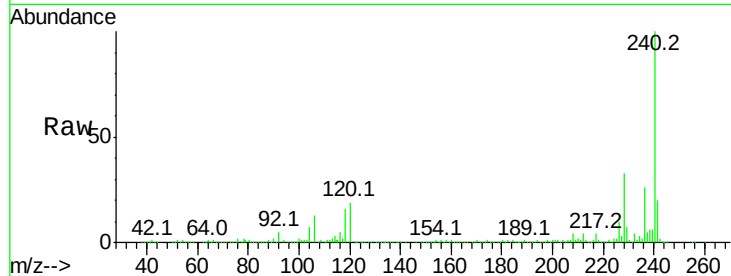
ClientSampleId :

SRI-SB-6(12-14)20170222

Tot Ion:	240	Resp:	438028
Ion Ratio	Lower	Upper	
240	100		
120	18.6	12.9	19.3
236	26.3	20.9	31.3

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#77

Pyrene

Concen: 15.91 ng

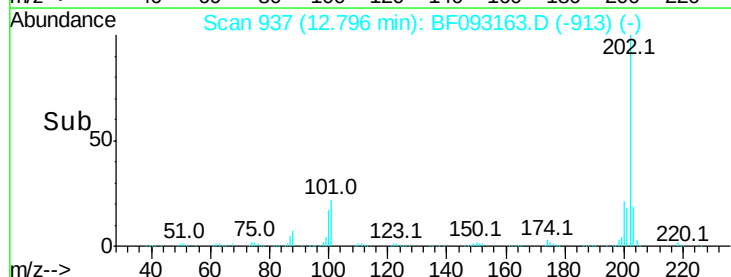
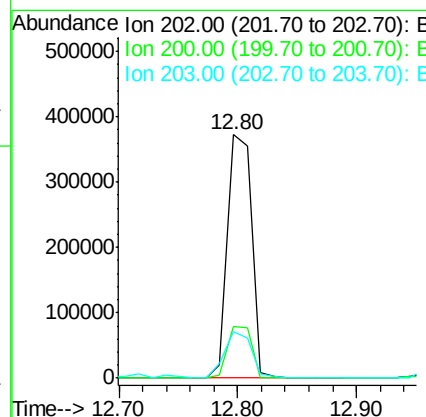
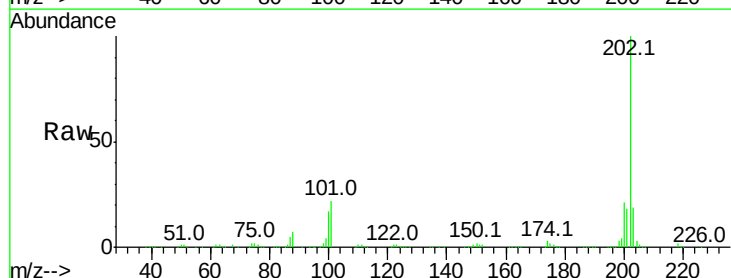
RT: 12.80 min Scan# 937

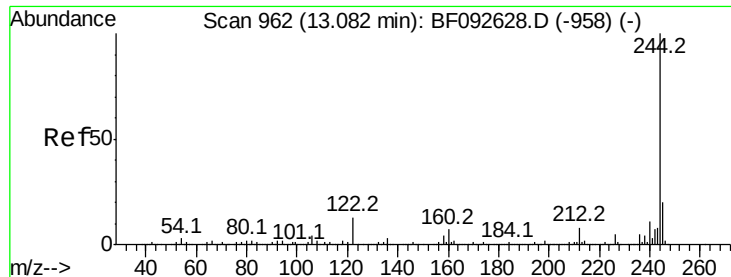
Delta R.T. -0.02 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

Tgt Ion:	202	Resp:	521618
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	18.9	14.7	22.1





#78

Terphenyl-d14

Concen: 67.66 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

Instrument :

BNA_F

ClientSampleId :

SRI-SB-6(12-14)20170222

Tot Ion:244 Resp: 1261303

Ion Ratio Lower Upper

244 100

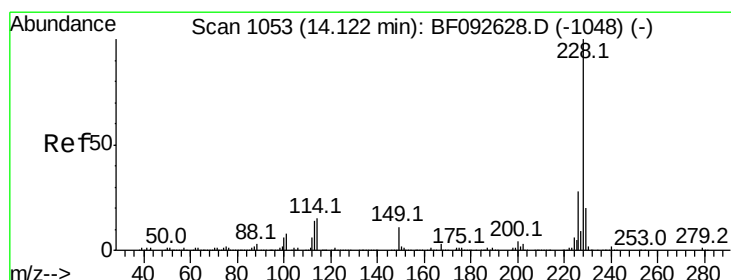
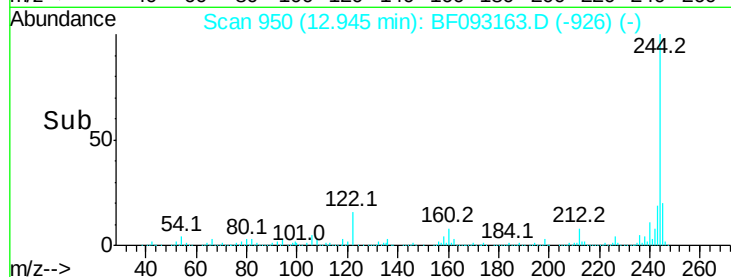
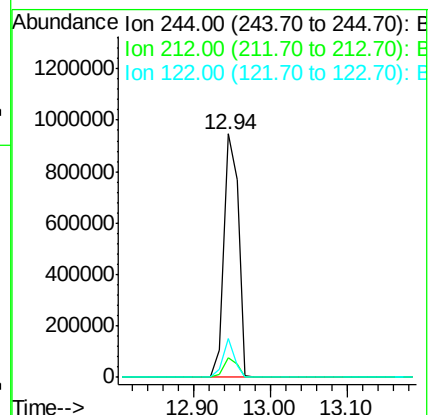
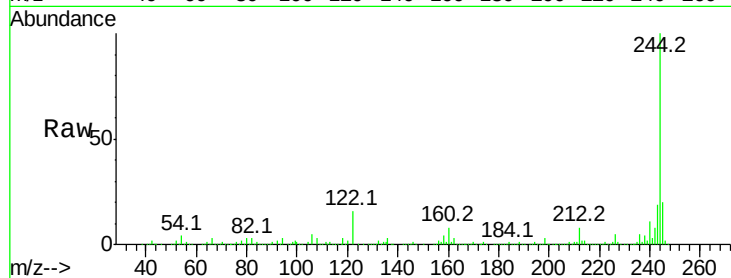
212 7.9 6.2 9.2

122 16.0 11.4 17.2

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#80

Benzo(a)anthracene

Concen: 9.22 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

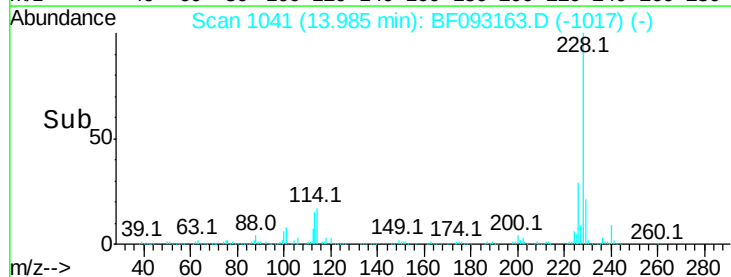
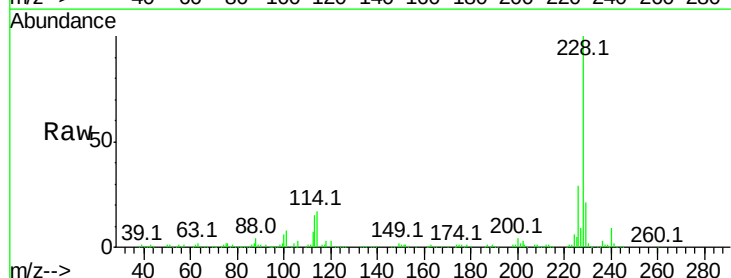
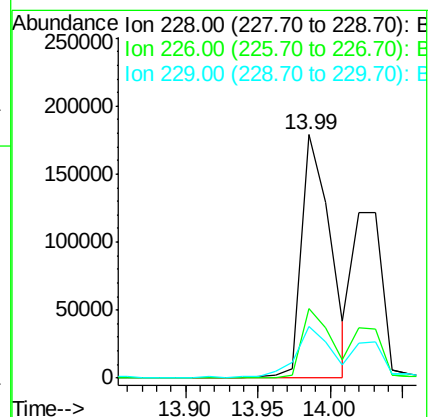
Tgt Ion:228 Resp: 247072

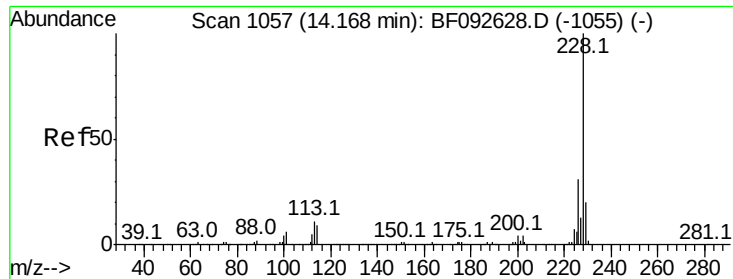
Ion Ratio Lower Upper

228 100

226 28.8 22.4 33.6

229 21.1 16.2 24.4





#82

Chrysene

Concen: 6.98 ng m

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

Instrument :

BNA_F

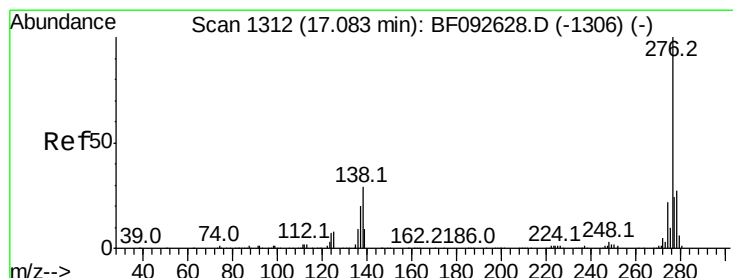
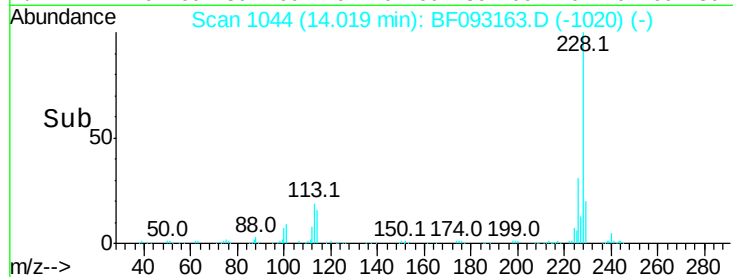
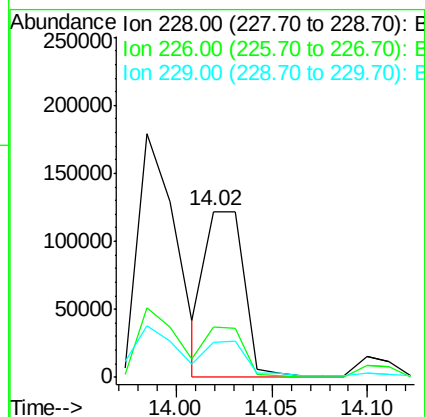
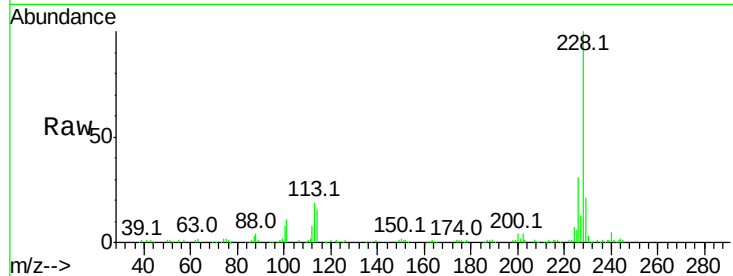
ClientSampleId :

SRI-SB-6(12-14)20170222

Tot Ion:	228	Resp:	175058
Ion Ratio		Lower	Upper
228	100		
226	30.7	25.4	38.0
229	21.1	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.00 ng m

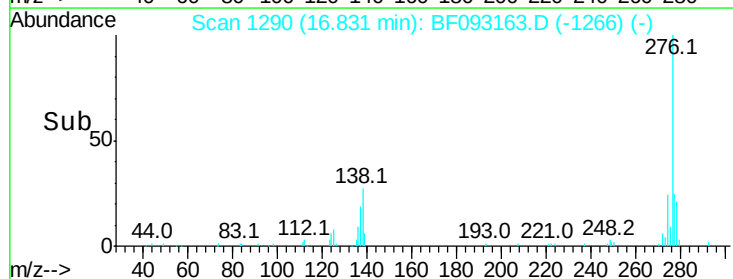
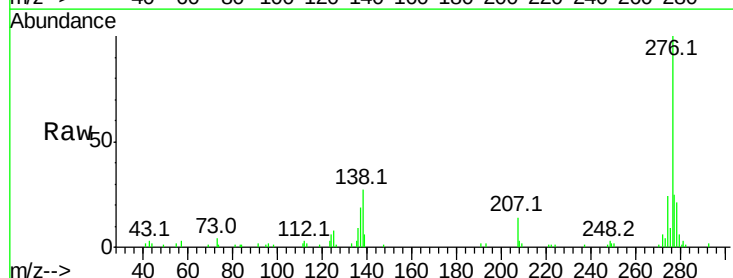
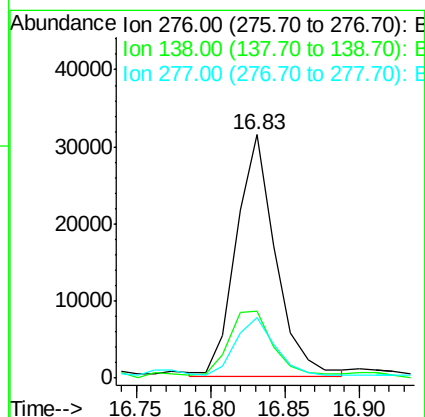
RT: 16.83 min Scan# 1290

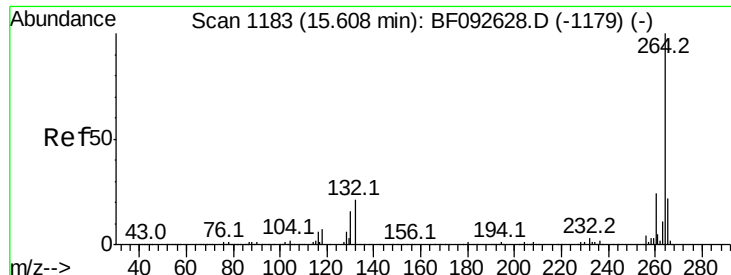
Delta R.T. -0.02 min

Lab File: BF093163.D

Acq: 24 Feb 2017 23:57

Tgt Ion:	276	Resp:	58255
Ion Ratio		Lower	Upper
276	100		
138	7.2	21.8	32.6#
277	6.1	20.2	30.4#





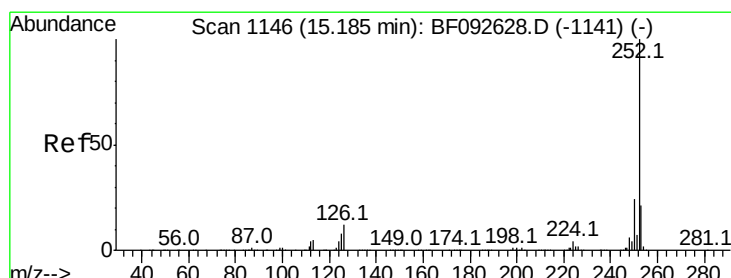
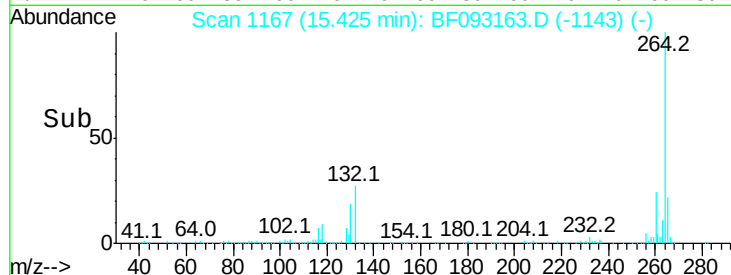
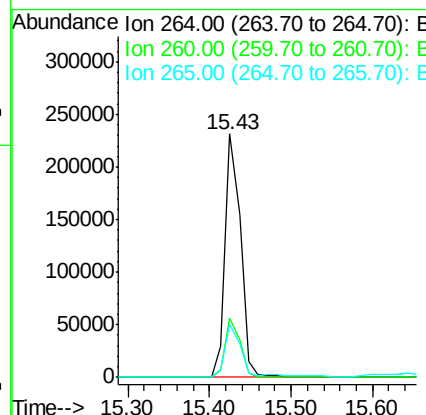
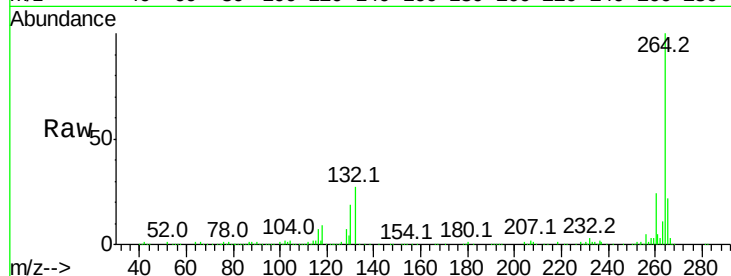
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.4	26.0

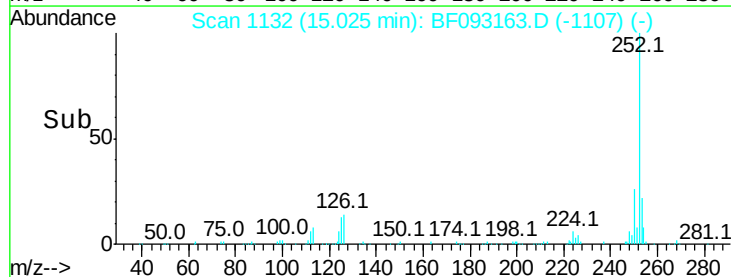
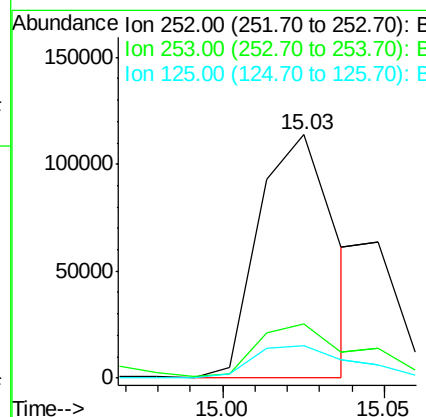
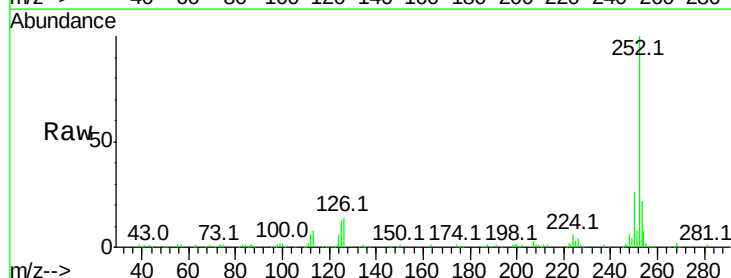
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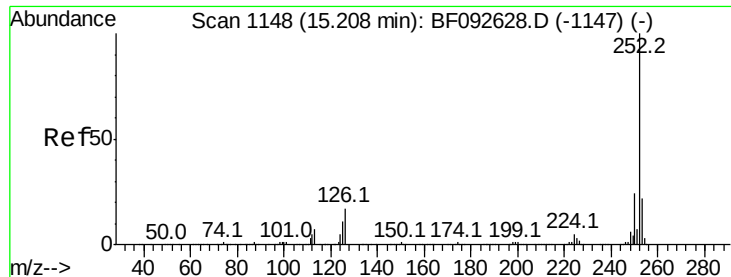
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#87
Benzo(b)fluoranthene
Concen: 9.34 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	13.2	9.8	14.6





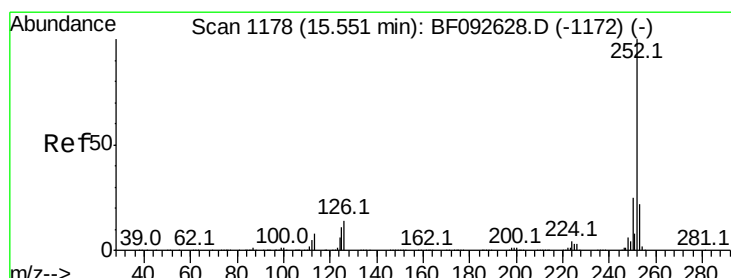
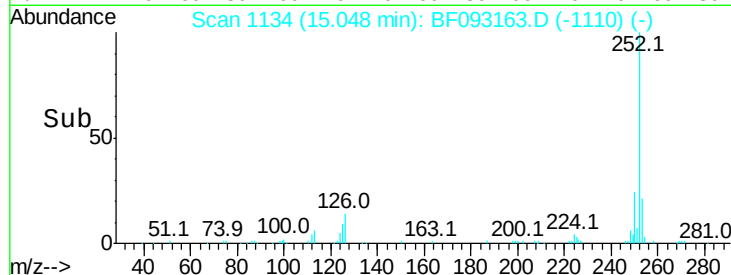
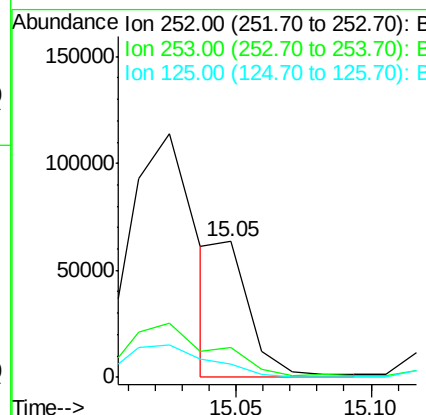
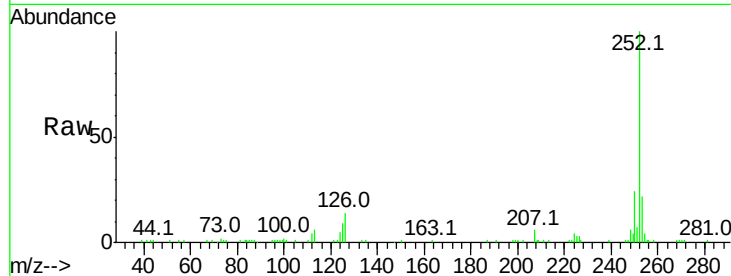
#88
Benzo(k)fluoranthene
Concen: 3.23 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Instrument :
BNA_F
ClientSampleId :
SRI-SB-6(12-14)20170222

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.5	27.7
125	9.3	8.9	13.3

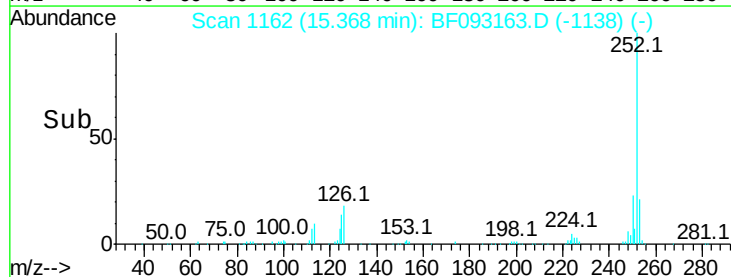
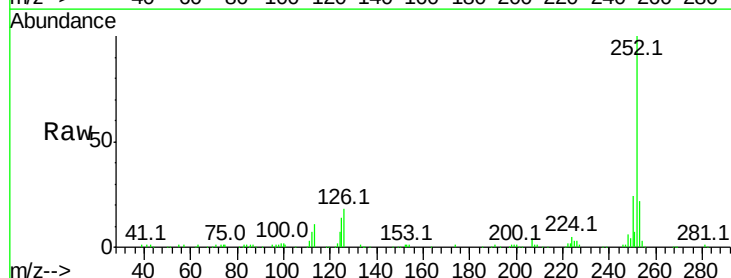
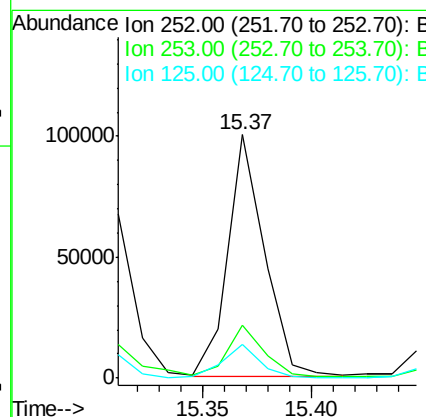
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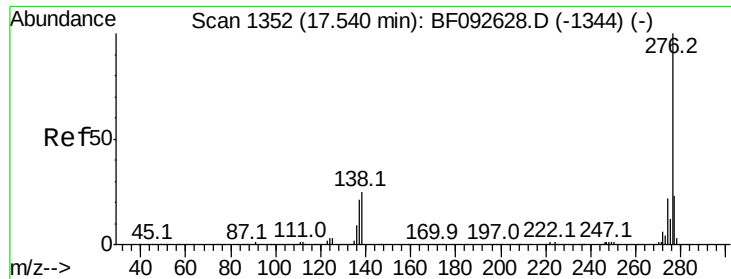
mohammad
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#89
Benzo(a)pyrene
Concen: 6.81 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF093163.D
Acq: 24 Feb 2017 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	13.9	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 4.07 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. -0.03 min
 Lab File: BF093163.D
 Acq: 24 Feb 2017 23:57

Instrument :
 BNA_F
 ClientSampleId :
 SRI-SB-6(12-14)20170222

Tot Ion:	276	Resp:	57570
Ion Ratio		Lower	Upper
276	100		
277	23.8	19.2	28.8
138	24.9	16.0	24.0

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