

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093164.D
 Acq On : 25 Feb 2017 00:26
 Operator : SJ/MA
 Sample : I1957-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SRI-SB-3(8-10)20170221

Manual Integrations
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Quant Time: Feb 25 02:20:00 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	160160	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	624191	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	289094	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	538539	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	436819	20.00	ng	-0.02
86) Perylene-d12	15.43	264	300140	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1055121	113.02	ng	-0.02
7) Phenol-d6	6.48	99	1490850	124.12	ng	-0.01
23) Nitrobenzene-d5	7.40	82	823602	73.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	293386	140.32	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1474433	92.40	ng	-0.02
78) Terphenyl-d14	12.95	244	1320903	71.05	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.49	94	74479	5.30	ng	# 65
49) Dimethylphthalate	9.60	163	239197	12.28	ng	99
54) Dibenzofuran	10.08	168	48698	2.15	ng	# 96
57) Fluorene	10.42	166	66011	3.79	ng	94
70) Phenanthrene	11.39	178	575127	18.64	ng	97
71) Anthracene	11.44	178	90346	2.92	ng	97
74) Fluoranthene	12.57	202	443218	13.93	ng	95
77) Pyrene	12.80	202	349718	10.70	ng	100
80) Benzo(a)anthracene	13.99	228	149451	5.59	ng	99
82) Chrysene	14.03	228	110227	4.41	ng	95
87) Benzo(b)fluoranthene	15.03	252	99299m	5.03	ng	
88) Benzo(k)fluoranthene	15.05	252	34869m	2.04	ng	
89) Benzo(a)pyrene	15.37	252	61422	3.59	ng	98
91) Benzo(a,h,i)perylene	17.25	276	29984	2.15	ng	# 91

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

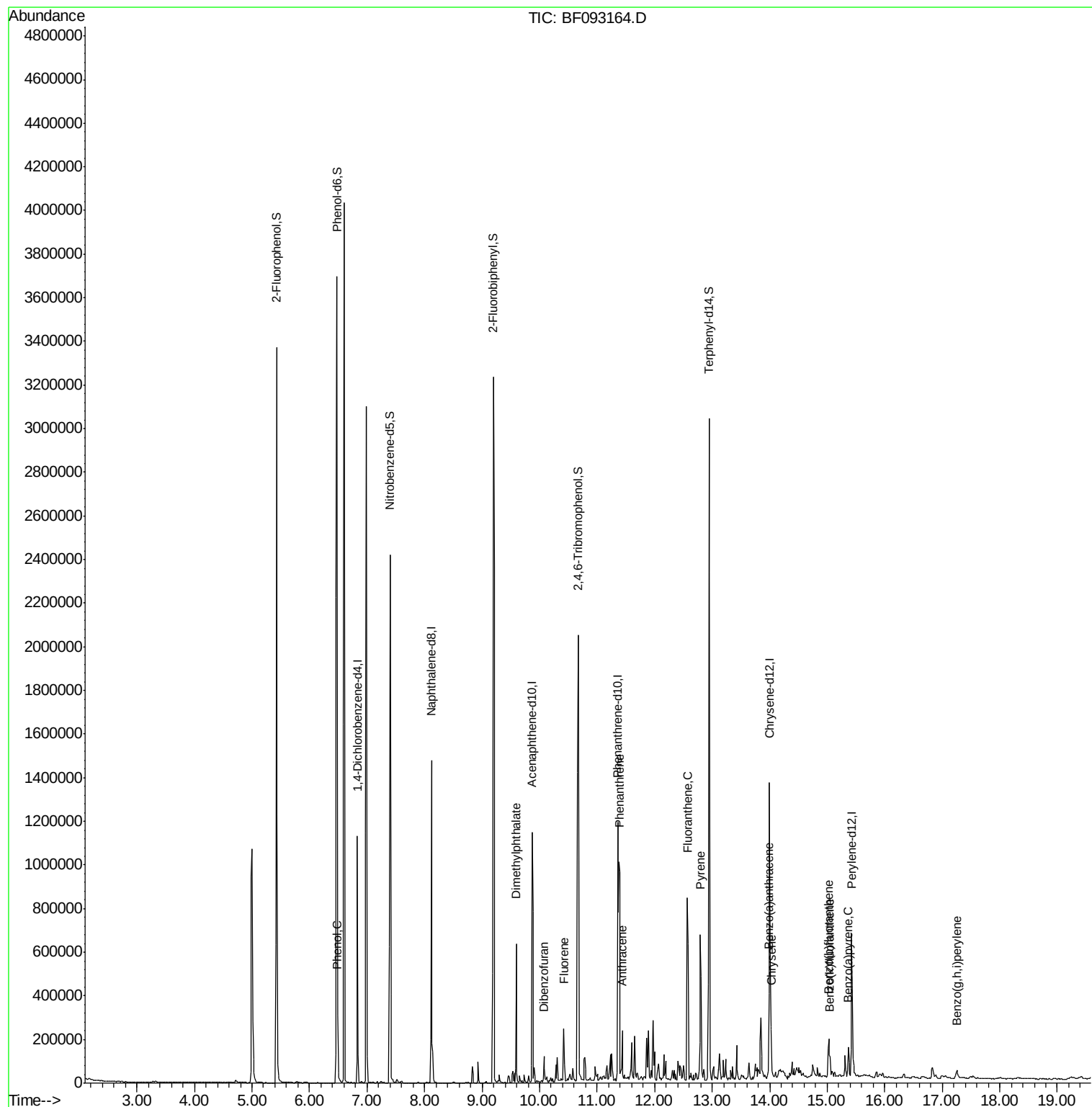
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
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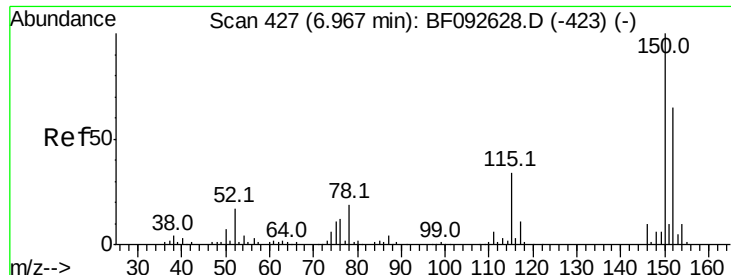
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Instrument :

BNA_F

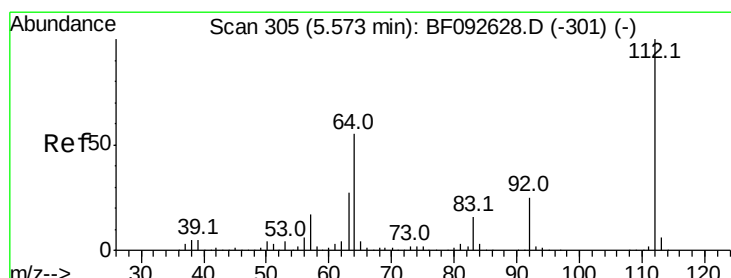
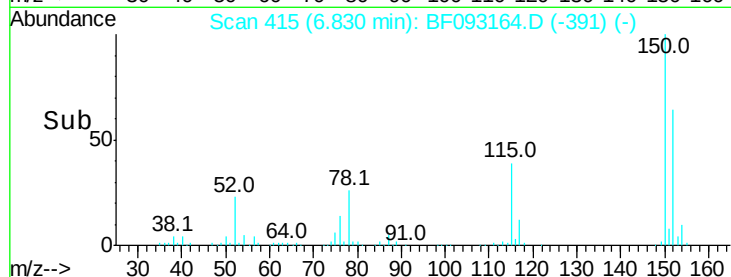
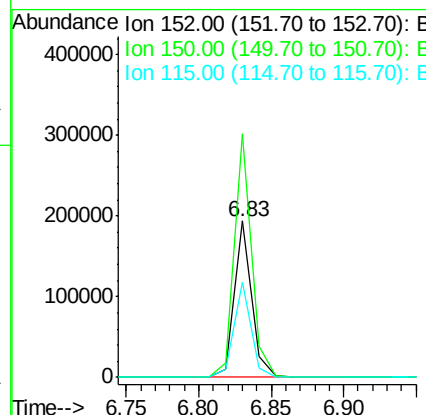
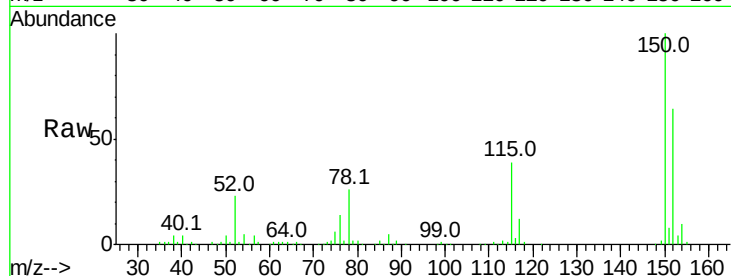
ClientSampleId :

SRI-SB-3(8-10)20170221

Tot Ion:	152	Resp:	160160
Ion Ratio	Lower	Upper	
152	100		
150	155.6	124.9	187.3
115	60.9	46.0	69.0

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#5

2-Fluorophenol

Concen: 113.02 ng

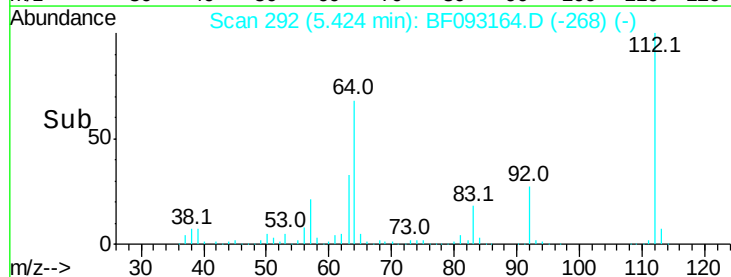
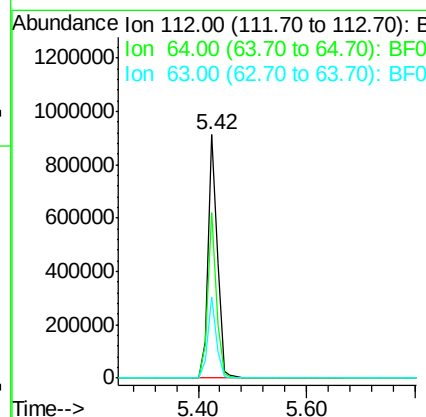
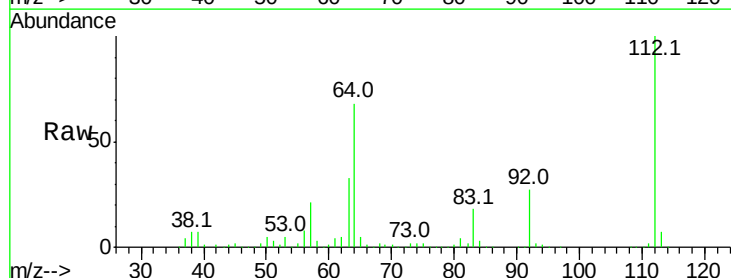
RT: 5.42 min Scan# 292

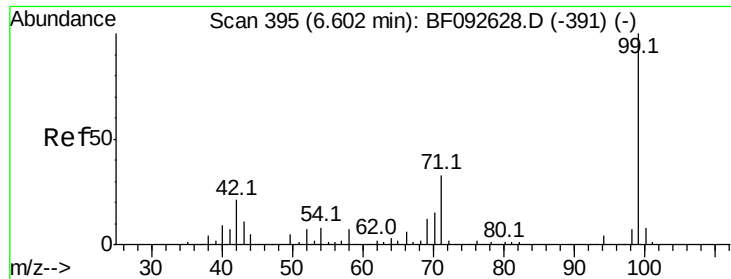
Delta R.T. -0.02 min

Lab File: BF093164.D

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Tgt Ion:	112	Resp:	1055121
Ion Ratio	Lower	Upper	
112	100		
64	67.9	46.1	69.1
63	33.5	23.8	35.6





#7

Phenol-d6

Concen: 124.12 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Instrument :

BNA_F

ClientSampleId :

SRI-SB-3(8-10)20170221

Tot Ion: 99 Resp: 1490850

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

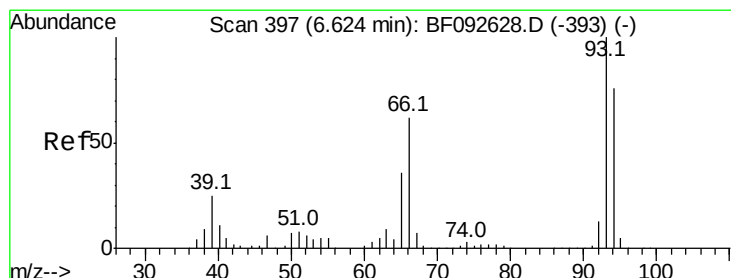
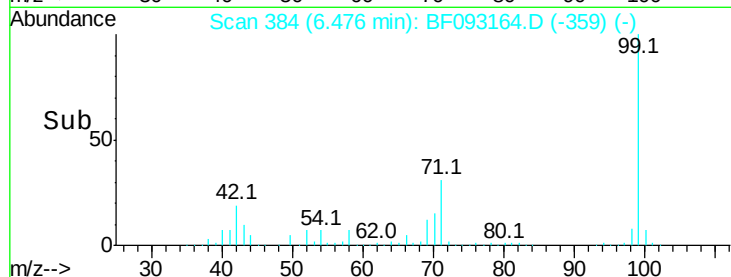
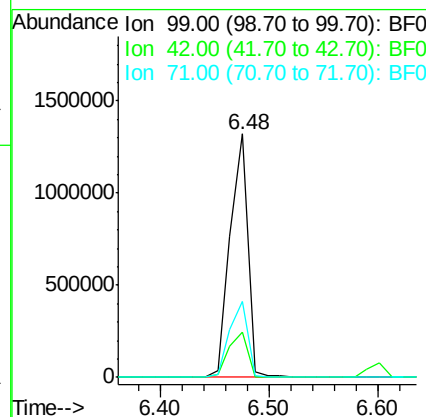
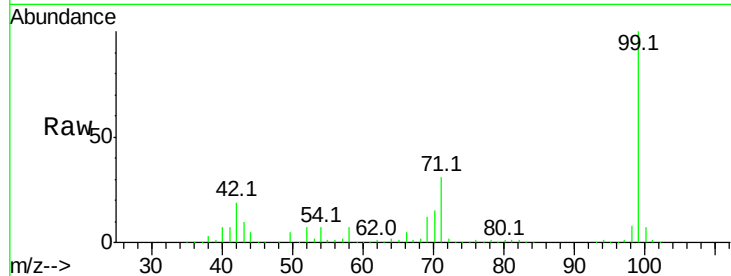
71 31.3 27.5 41.3

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#10

Phenol

Concen: 5.30 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093164.D

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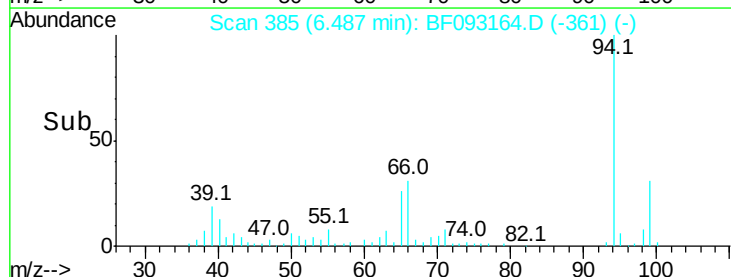
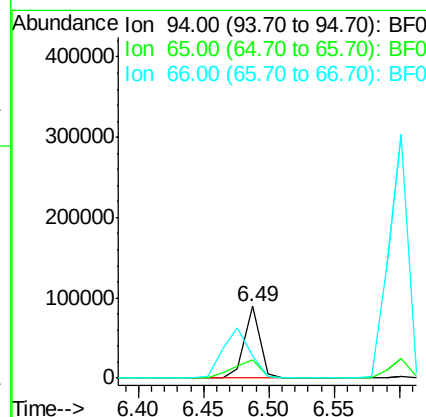
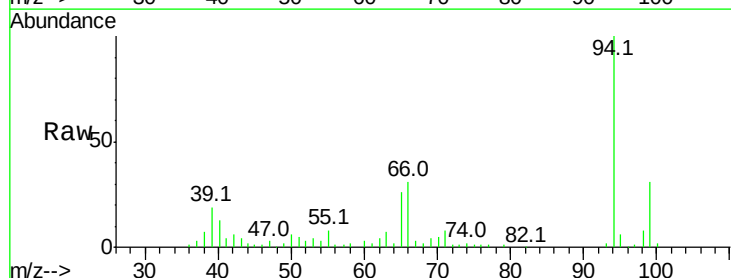
Tgt Ion: 94 Resp: 74479

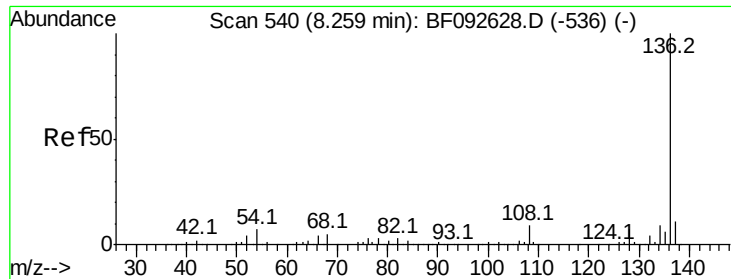
Ion Ratio Lower Upper

94 100

65 25.5 21.4 61.4

66 31.3 44.0 84.0#





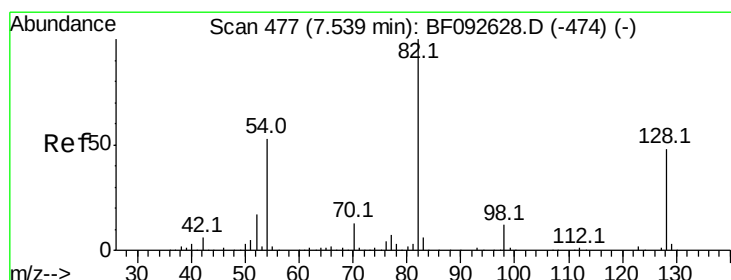
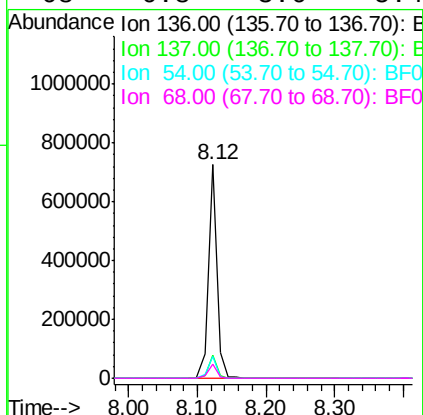
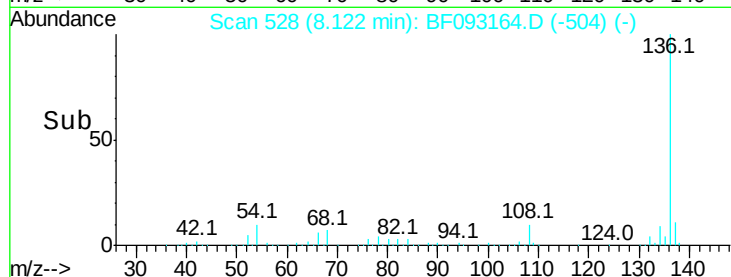
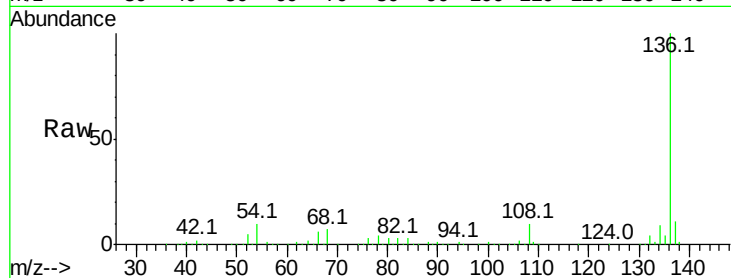
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Instrument :
BNA_F
ClientSampleId :
SRI-SB-3(8-10)20170221

Tot Ion	Ratio	Resp	Lower	Upper
136	100	624191		
137	11.0		8.4	12.6
54	10.1		4.5	6.7#
68	6.8		3.6	5.4#

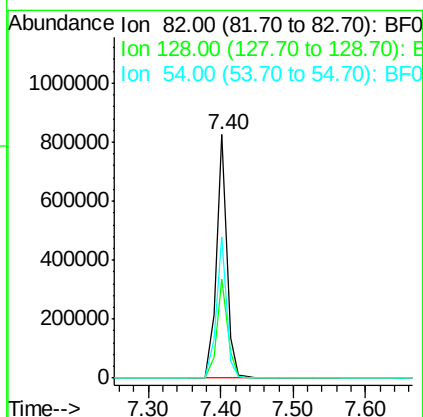
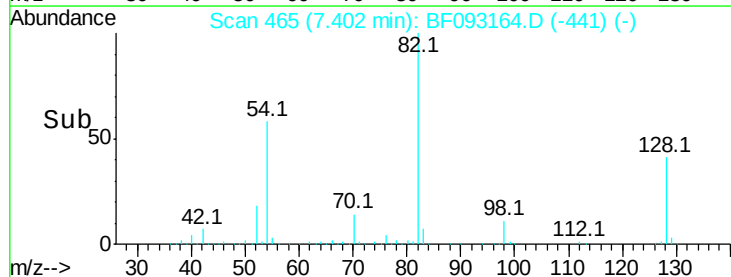
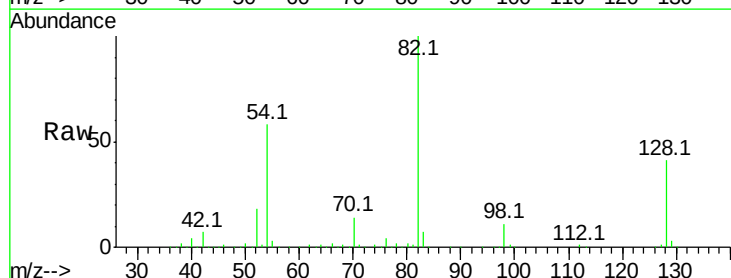
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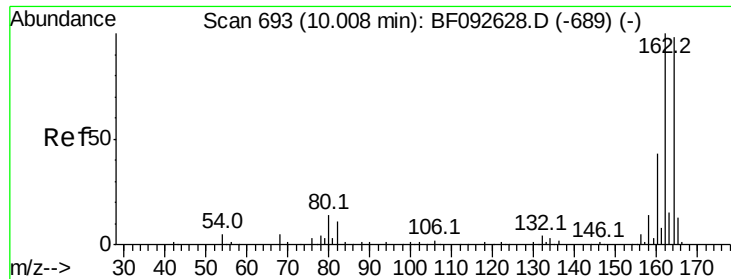
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#23
Nitrobenzene-d5
Concen: 73.48 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	823602		
128	40.7		34.6	52.0
54	57.8		39.5	59.3





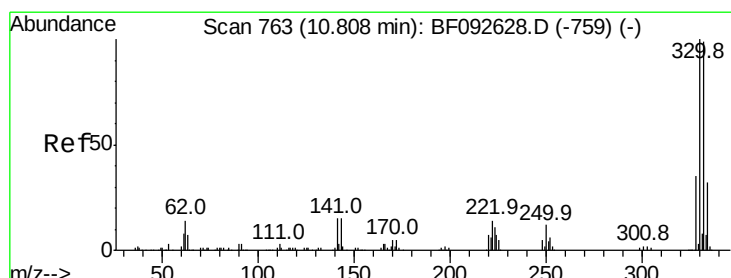
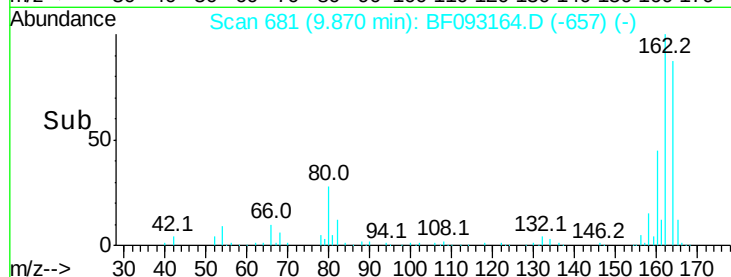
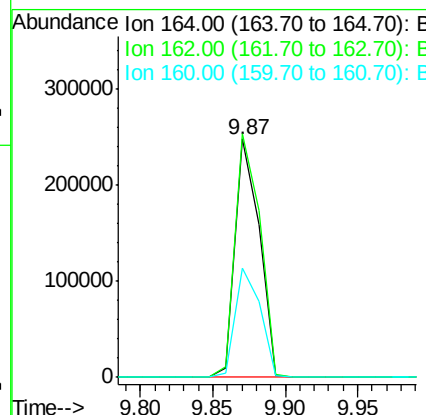
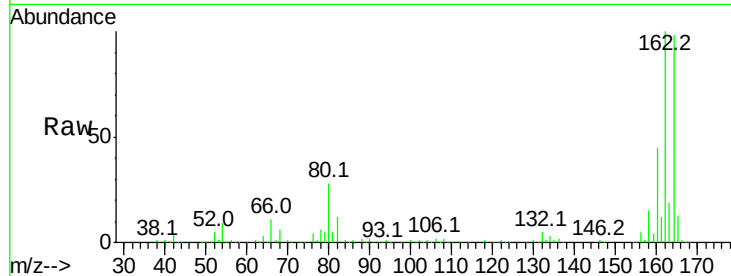
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.2	120.2
160	45.6	36.9	55.3

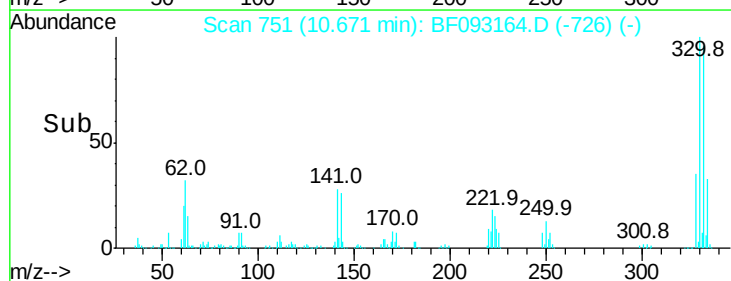
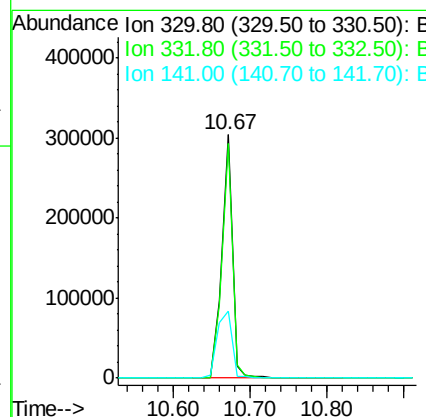
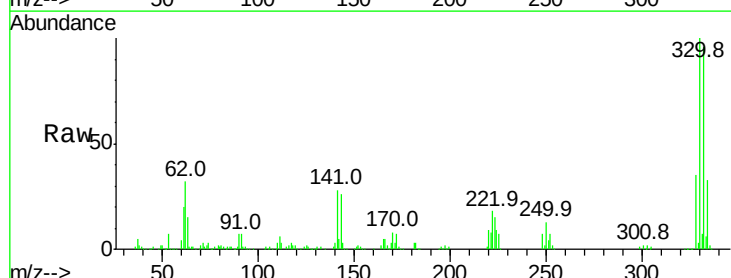
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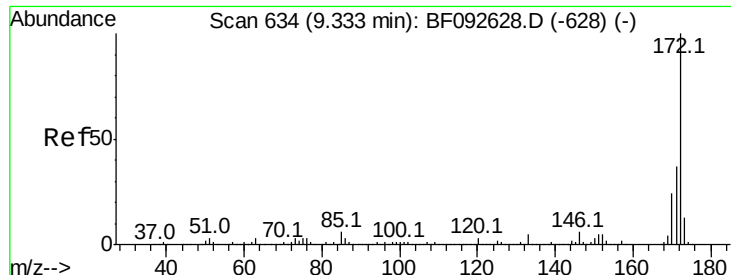
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#41
2,4,6-Tribromophenol
Concen: 140.32 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093164.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	38.3	34.1	51.1





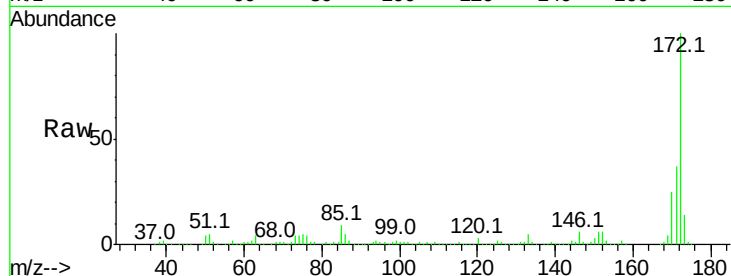
#44
2-Fluorobiphenyl
Concen: 92.40 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Instrument :
BNA_F
ClientSampleId :
SRI-SB-3(8-10)20170221

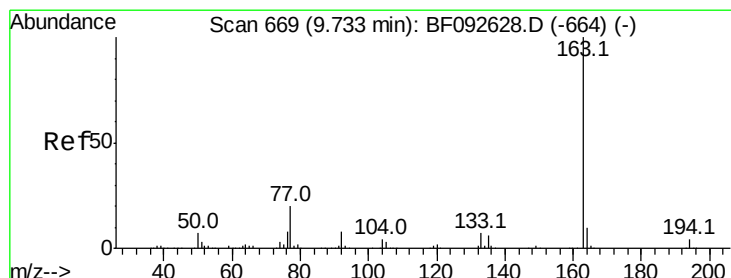
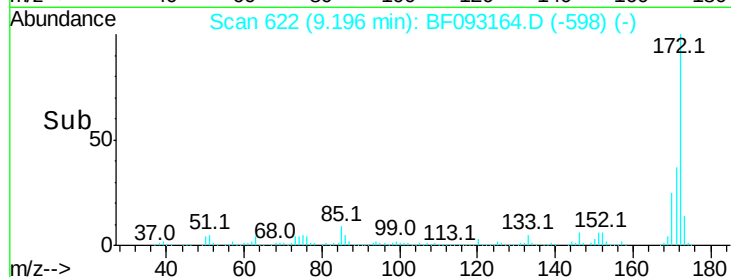
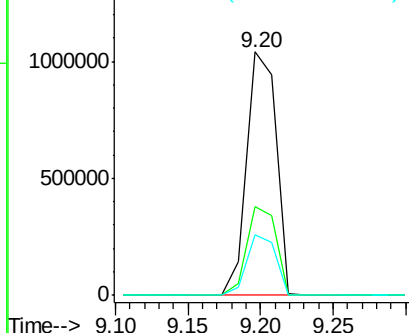
Tot Ion:172 Resp: 1474433
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.8 20.2 30.4

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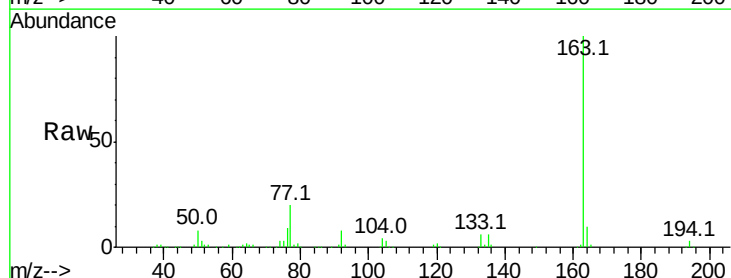


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

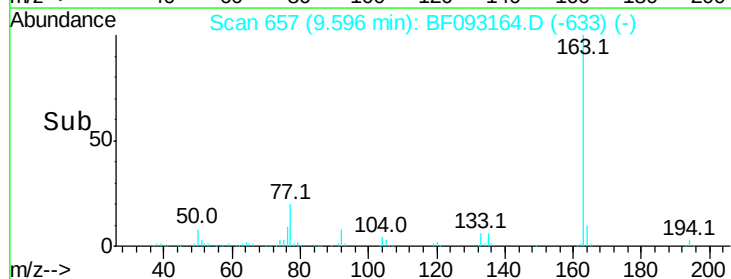
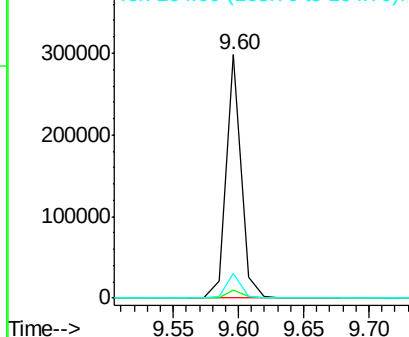


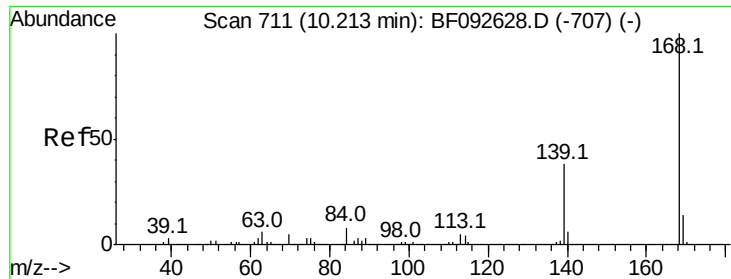
#49
Dimethylphthalate
Concen: 12.28 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Tgt Ion:163 Resp: 239197
Ion Ratio Lower Upper
163 100
194 3.4 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





#54

Dibenzenofuran

Concen: 2.15 ng

RT: 10.08 min Scan# 699

Delta R.T. -0.02 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Instrument :

BNA_F

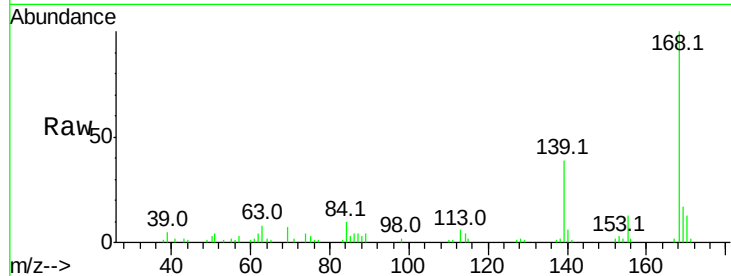
ClientSampleId :

SRI-SB-3(8-10)20170221

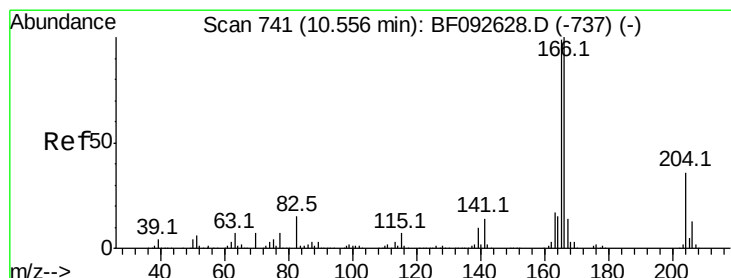
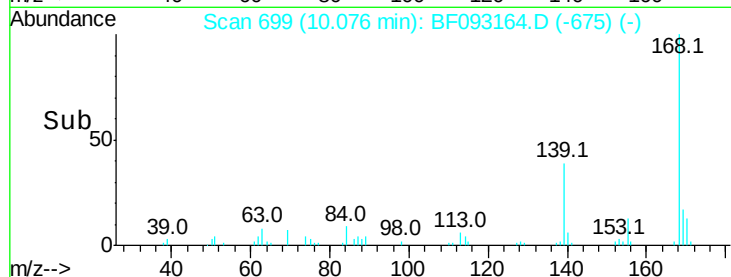
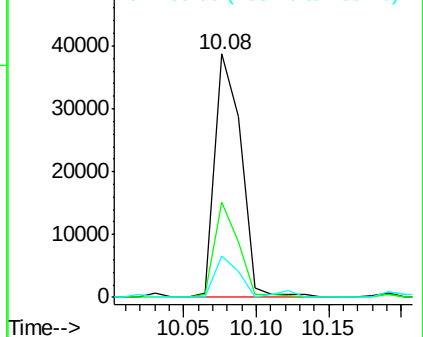
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	32.6	49.0
169	17.1	11.3	16.9

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.79 ng

RT: 10.42 min Scan# 729

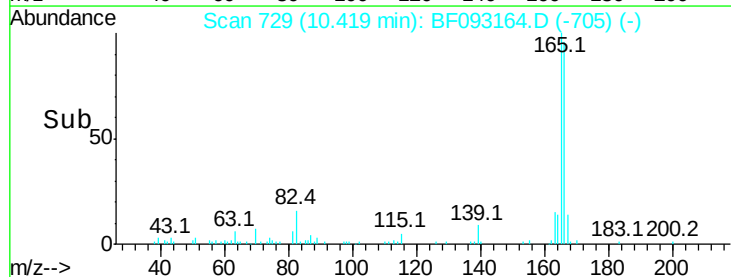
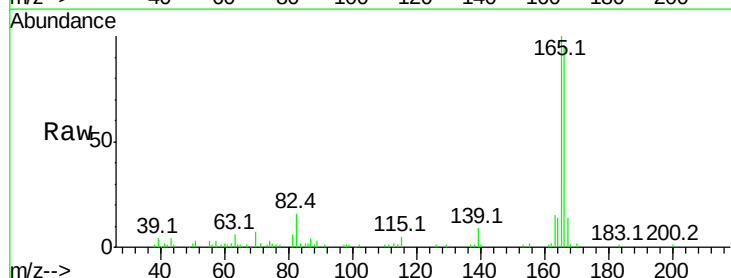
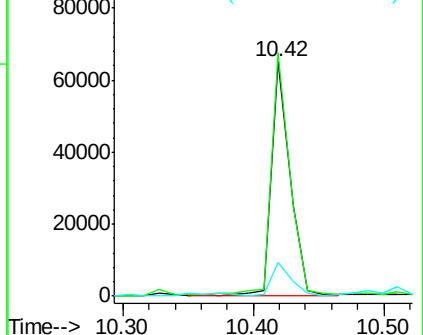
Delta R.T. -0.02 min

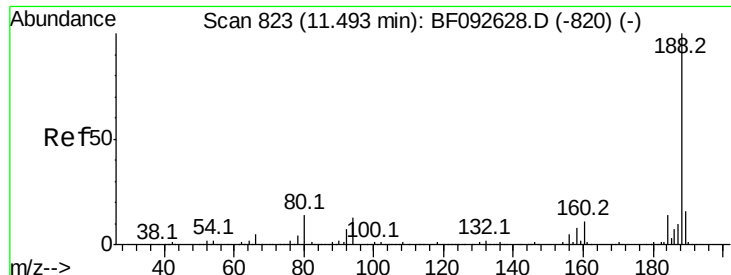
Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.9	77.8	116.8
167	14.2	10.8	16.2

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





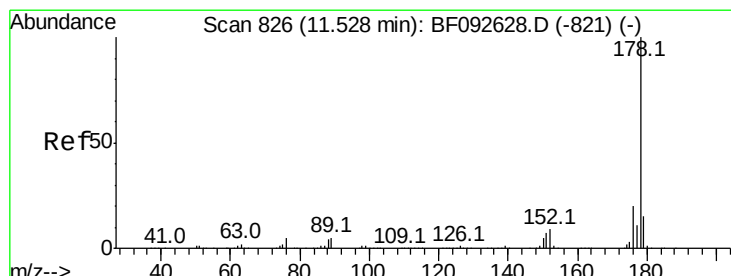
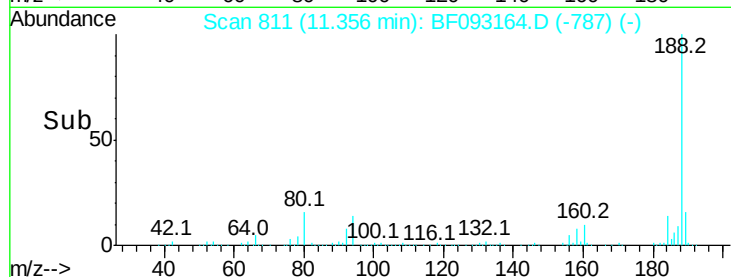
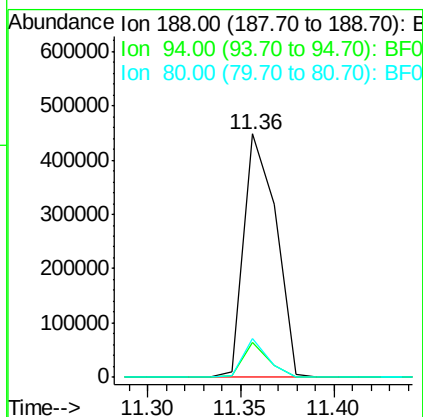
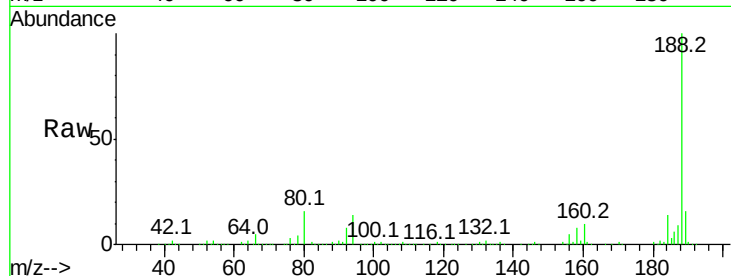
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093164.D
 Acq: 25 Feb 2017 00:26

Instrument :
 BNA_F
 ClientSampleId :
 SRI-SB-3(8-10)20170221

Tot Ion	Ratio	Resp	Lower	Upper
188	100	538539		
94	14.4		10.0	15.0
80	15.9		11.2	16.8

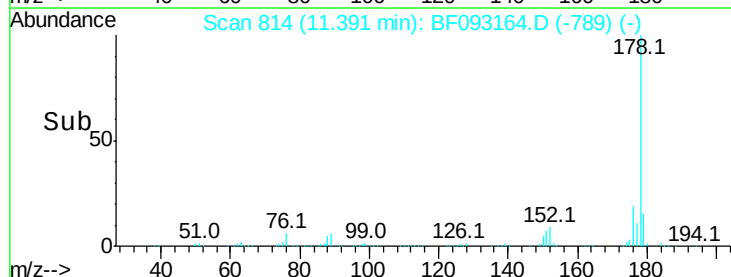
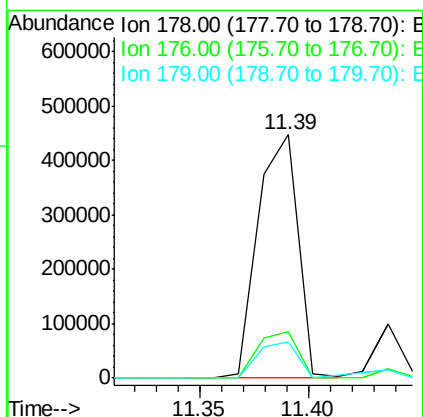
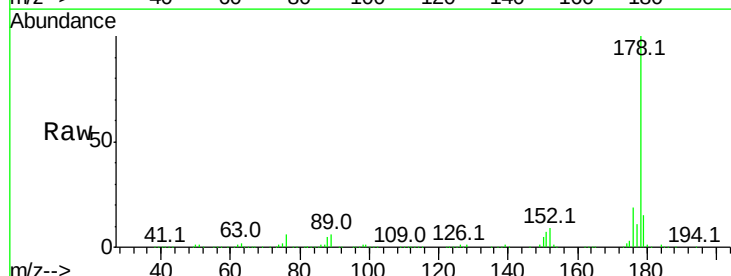
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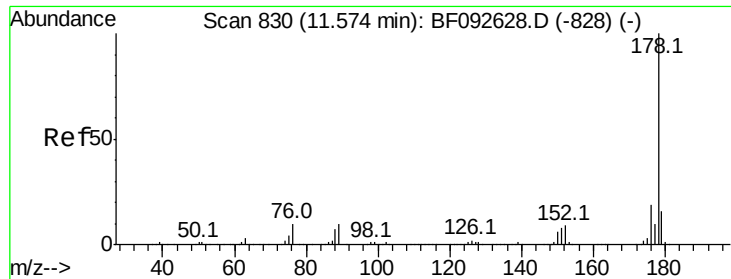
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#70
 Phenanthrene
 Concen: 18.64 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093164.D
 Acq: 25 Feb 2017 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	575127		
176	18.9		16.6	25.0
179	14.9		12.8	19.2





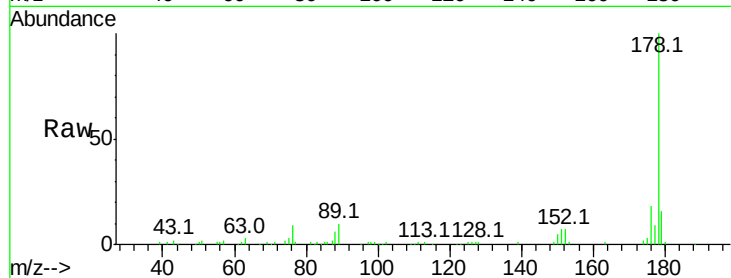
#71
 Anthracene
 Concen: 2.92 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF093164.D
 Acq: 25 Feb 2017 00:26

Instrument :
 BNA_F
 ClientSampleId :
 SRI-SB-3(8-10)20170221

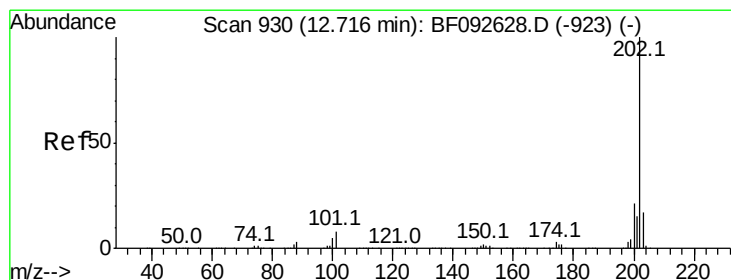
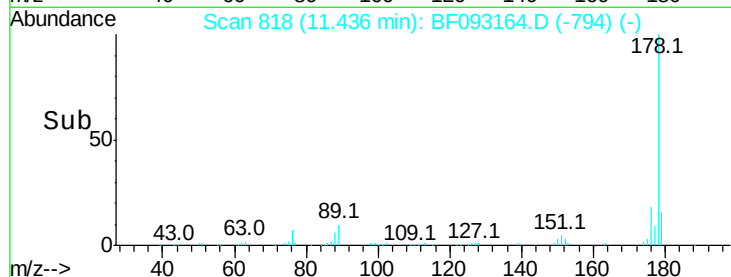
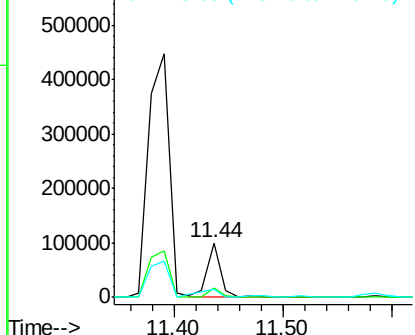
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.9	13.2	19.8

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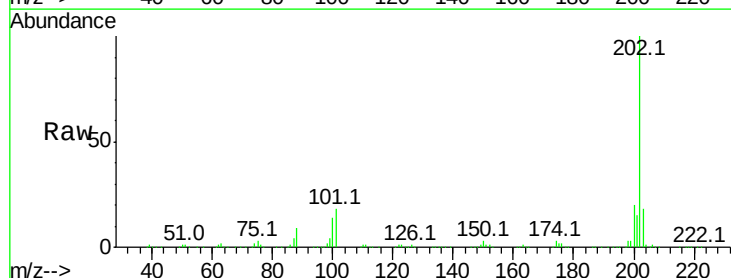


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

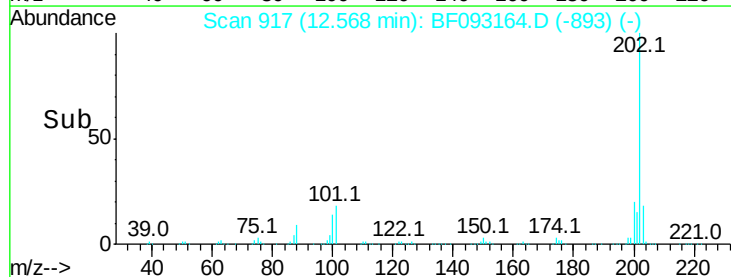
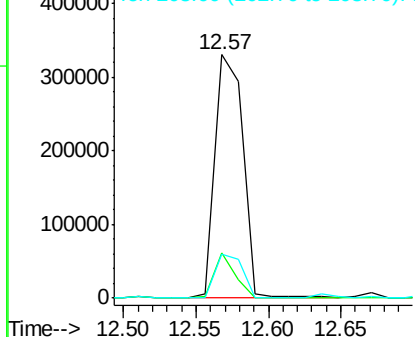


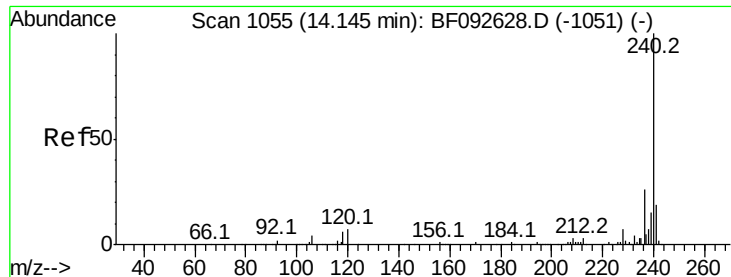
#74
 Fluoranthene
 Concen: 13.93 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF093164.D
 Acq: 25 Feb 2017 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.5	0.0	34.6
203	17.8	0.0	38.7



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Instrument :

BNA_F

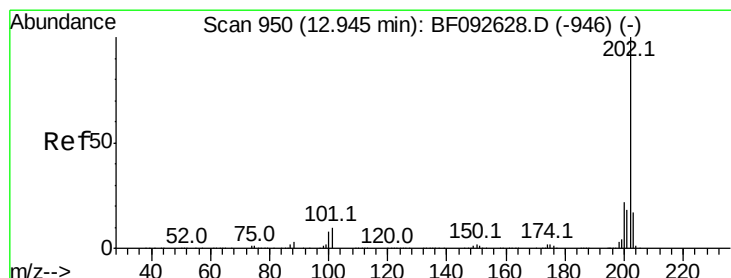
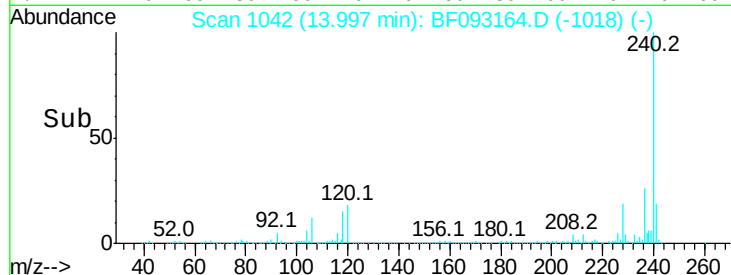
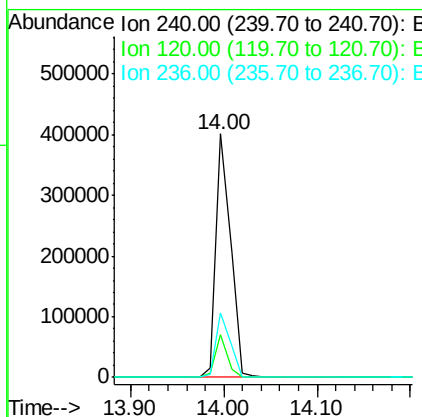
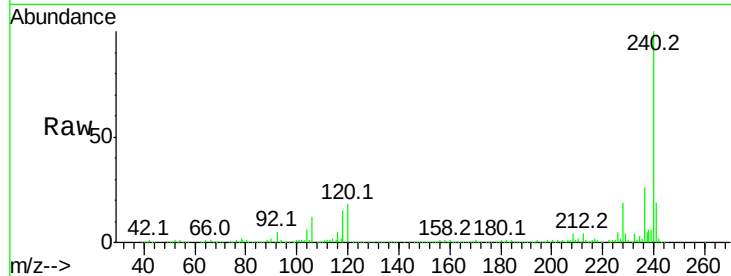
ClientSampleId :

SRI-SB-3(8-10)20170221

Tot Ion:	240	Resp:	436819
Ion Ratio	Lower	Upper	
240	100		
120	17.6	12.9	19.3
236	26.3	20.9	31.3

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#77

Pyrene

Concen: 10.70 ng

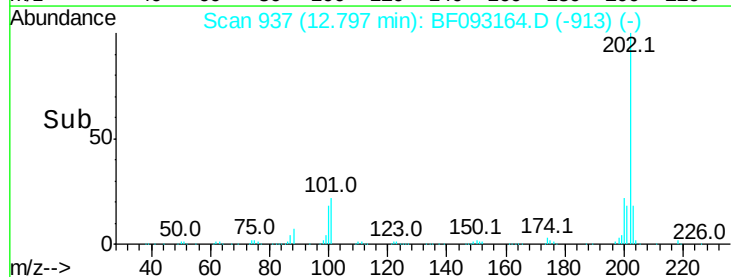
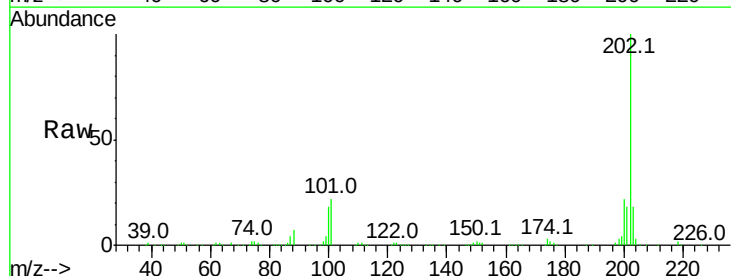
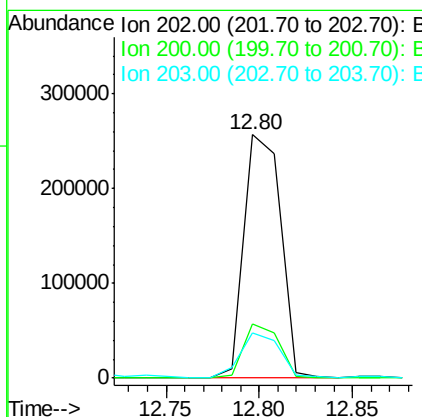
RT: 12.80 min Scan# 937

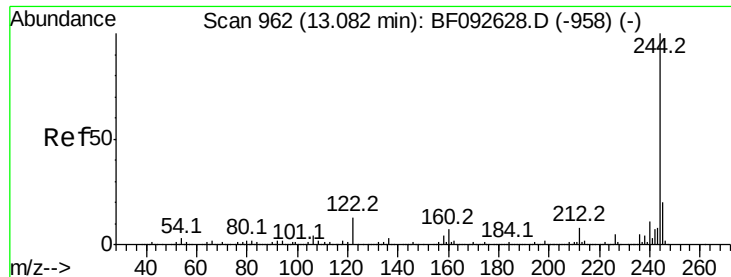
Delta R.T. -0.02 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Tgt Ion:	202	Resp:	349718
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.7	26.5
203	18.5	14.7	22.1





#78

Terphenyl-d14

Concen: 71.05 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

Instrument :

BNA_F

ClientSampleId :

SRI-SB-3(8-10)20170221

Tot Ion:244 Resp: 1320903

Ion Ratio Lower Upper

244 100

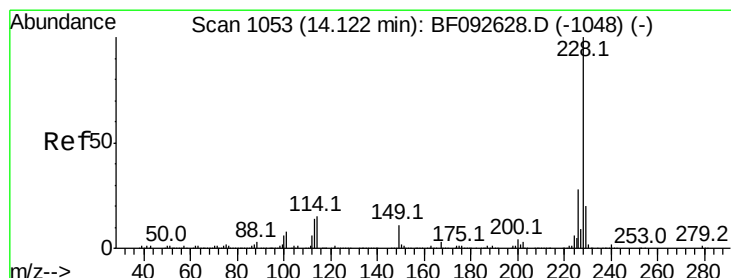
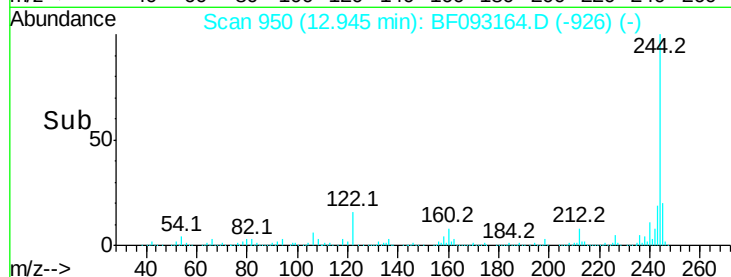
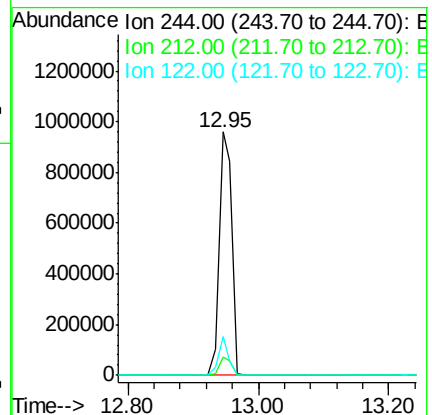
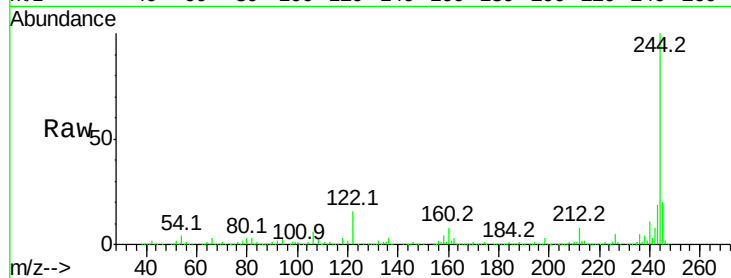
212 7.7 6.2 9.2

122 15.7 11.4 17.2

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#80

Benzo(a)anthracene

Concen: 5.59 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF093164.D

Acq: 25 Feb 2017 00:26

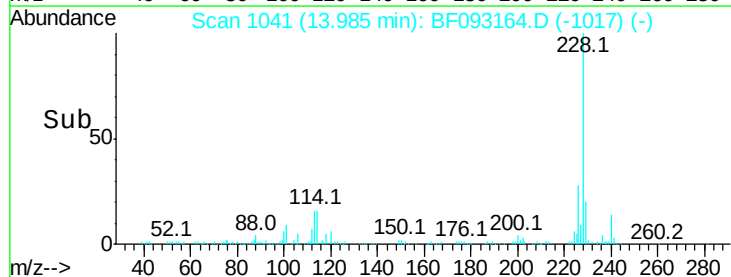
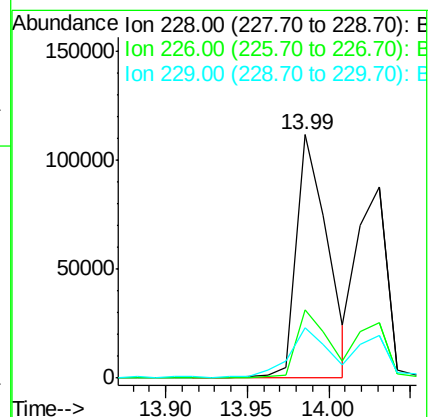
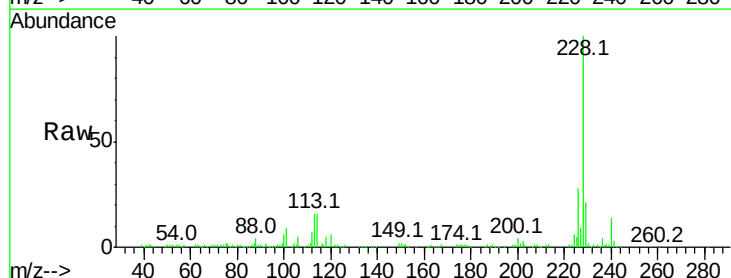
Tgt Ion:228 Resp: 149451

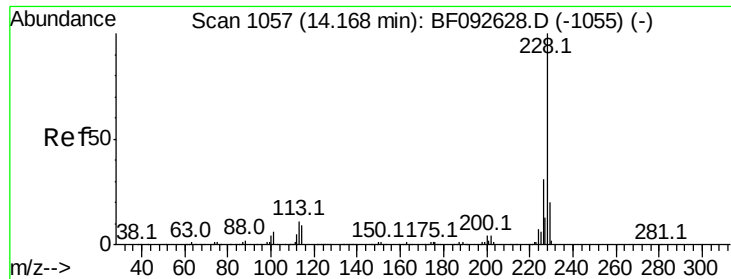
Ion Ratio Lower Upper

228 100

226 27.8 22.4 33.6

229 20.7 16.2 24.4





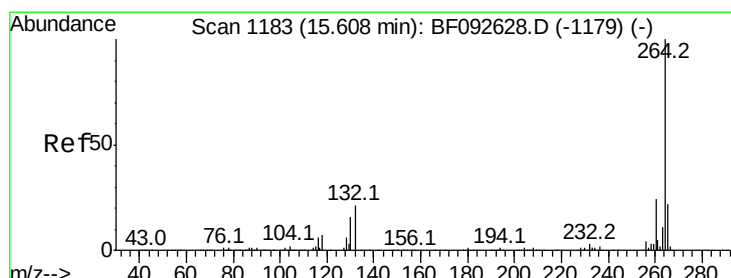
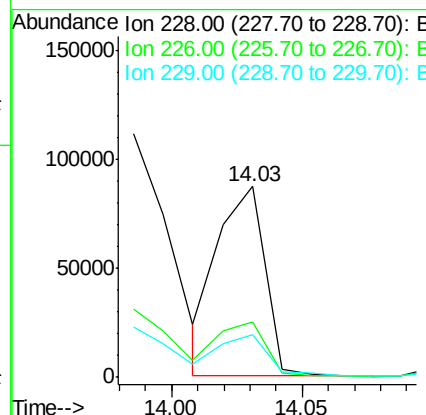
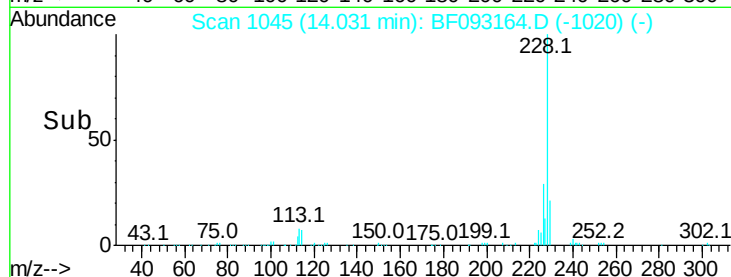
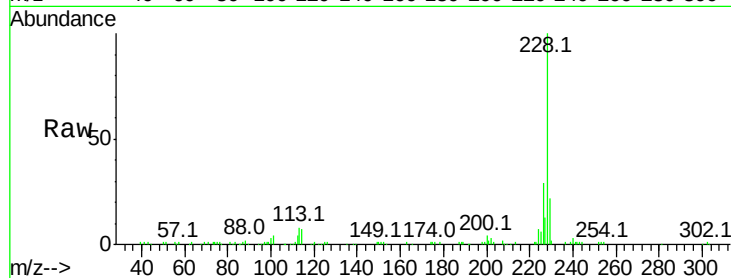
#82
Chrysene
Concen: 4.41 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Instrument :
BNA_F
ClientSampleId :
SRI-SB-3(8-10)20170221

Tot Ion:	228	Resp:	110227
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.4	38.0
229	22.1	16.2	24.2

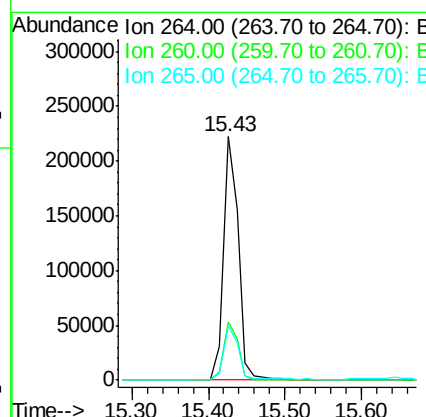
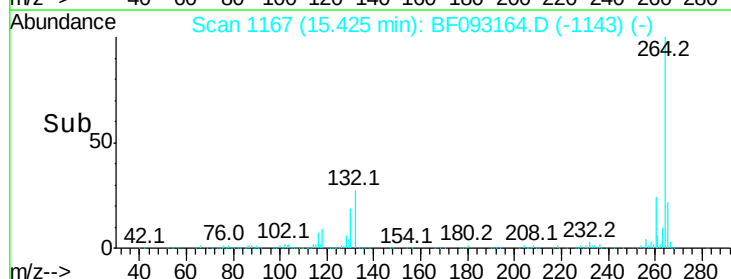
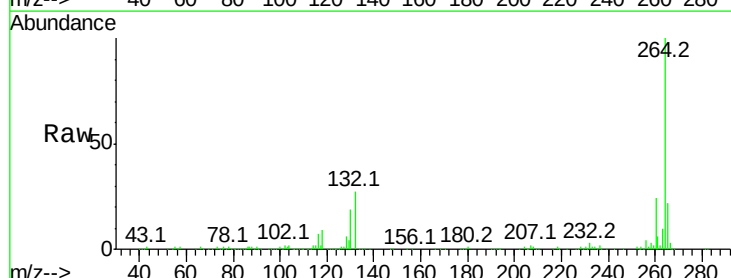
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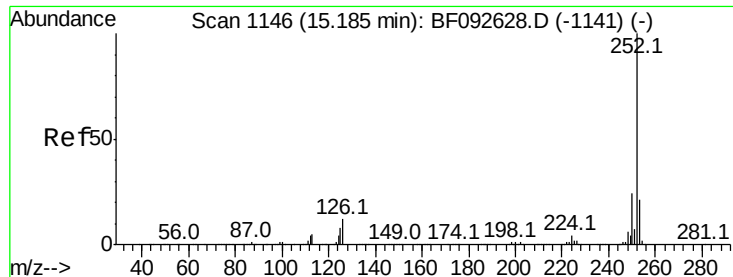
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Tgt Ion:	264	Resp:	300140
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	22.0	17.4	26.0





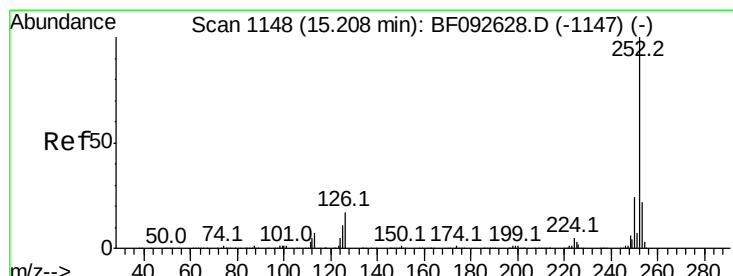
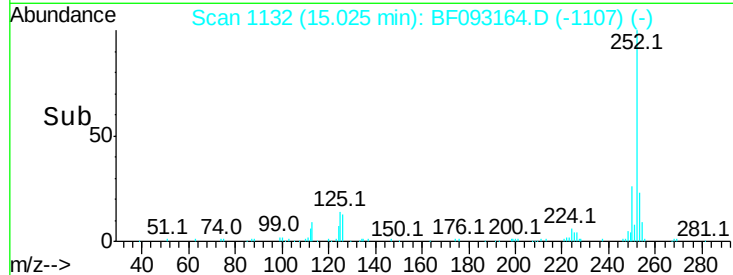
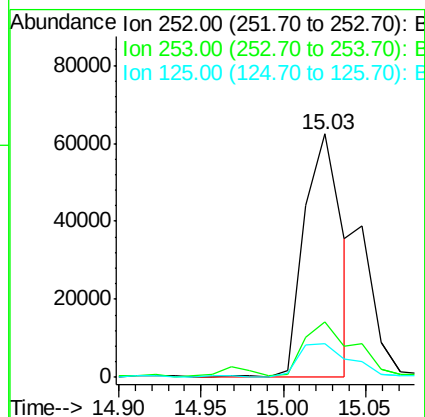
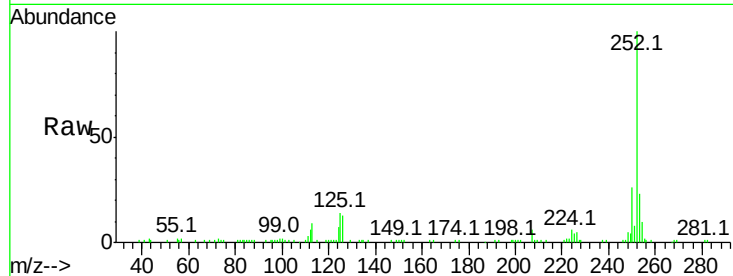
#87
Benzo(b)fluoranthene
Concen: 5.03 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Instrument :
BNA_F
ClientSampleId :
SRI-SB-3(8-10)20170221

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	13.7	9.8	14.6

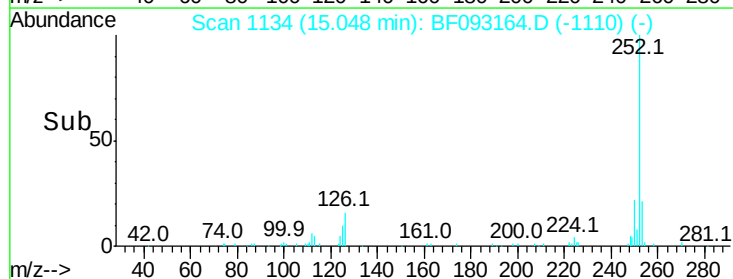
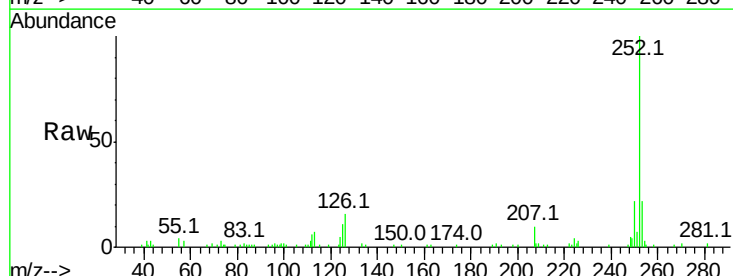
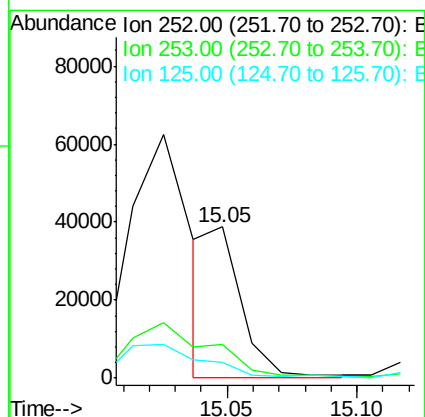
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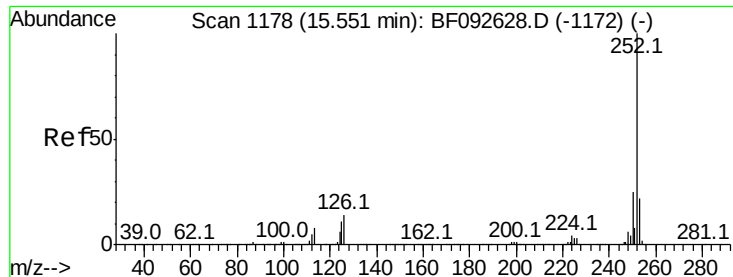
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#88
Benzo(k)fluoranthene
Concen: 2.04 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	10.7	8.9	13.3





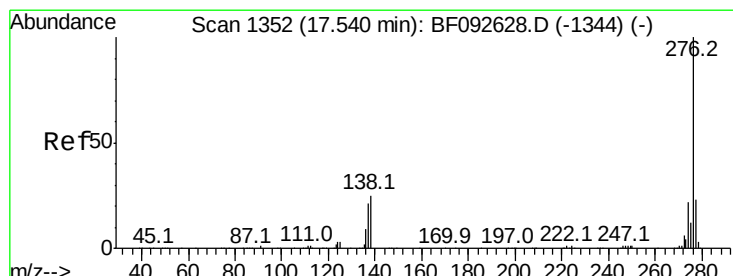
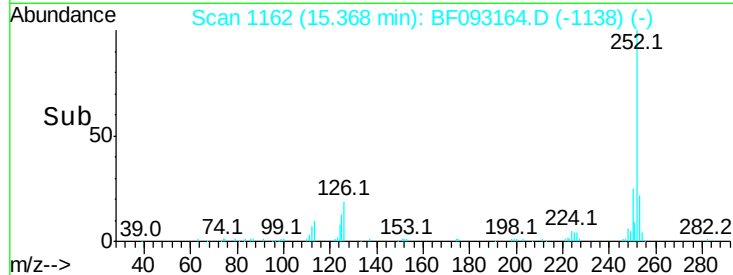
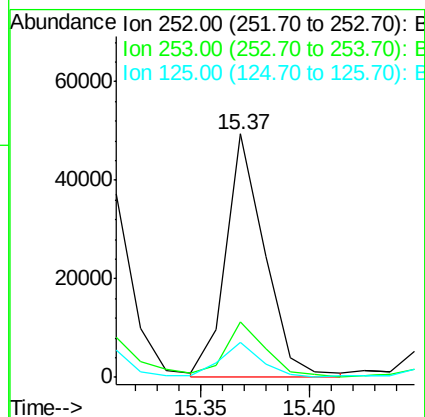
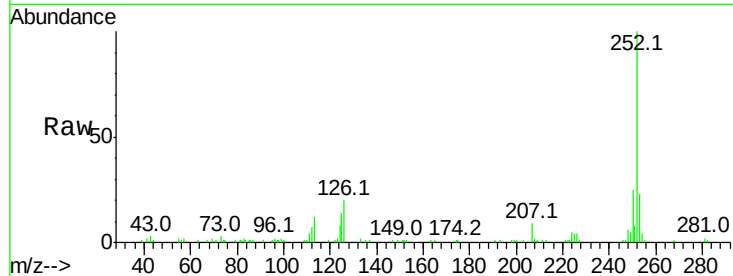
#89
Benzo(a)pyrene
Concen: 3.59 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Instrument :
BNA_F
ClientSampleId :
SRI-SB-3(8-10)20170221

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	14.1	10.0	15.0

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#91
Benzo(g,h,i)perylene
Concen: 2.15 ng
RT: 17.25 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF093164.D
Acq: 25 Feb 2017 00:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.2	19.2	28.8
138	26.1	16.0	24.0

