

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093910.D
 Acq On : 24 Mar 2017 16:01
 Operator : SJ/MA
 Sample : I2367-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC9-WSW

Manual Integrations
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Quant Time: Mar 25 00:27:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	173226	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	678034	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	292899	20.00	ng	-0.02
63) Phenanthrene-d10	11.45	188	461535	20.00	ng	-0.02
75) Chrysene-d12	14.70	240	324806	20.00	ng	-0.01
86) Perylene-d12	16.34	264	261994	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	1103382	107.58	ng	0.00
7) Phenol-d6	5.57	99	1374264	108.31	ng	0.00
23) Nitrobenzene-d5	6.62	82	772604	65.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	213576	92.28	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1332789	69.40	ng	-0.02
78) Terphenyl-d14	13.42	244	808367	55.79	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.50	128	72394	2.22	ng	98
49) Dimethylphthalate	9.29	163	145388	6.98	ng	100
51) Acenaphthene	9.66	154	183500	10.23	ng	98
54) Dibenzofuran	9.87	168	135937	5.57	ng	97
57) Fluorene	10.29	166	177115	8.75	ng	99
70) Phenanthrene	11.48	178	1355313	52.79	ng	99
71) Anthracene	11.54	178	464432	17.57	ng	98
72) Carbazole	11.73	167	115026	4.24	ng	98
74) Fluoranthene	12.94	202	1184829	45.07	ng	99
77) Pyrene	13.22	202	946043	40.13	ng	99
80) Benzo(a)anthracene	14.69	228	426054	22.49	ng	98
82) Chrysene	14.73	228	355473	20.22	ng	97
85) Indeno(1,2,3-cd)pyrene	17.72	276	113057	7.43	ng	98
87) Benzo(b)fluoranthene	15.93	252	331512m	20.64	ng	
88) Benzo(k)fluoranthene	15.95	252	136262m	8.67	ng	
89) Benzo(a)pyrene	16.27	252	247745	16.75	ng	95
90) Dibenzo(a,h)anthracene	17.74	278	30172	2.41	ng	# 75
91) Benzo(g,h,i)perylene	18.13	276	87724	6.95	ng	99

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

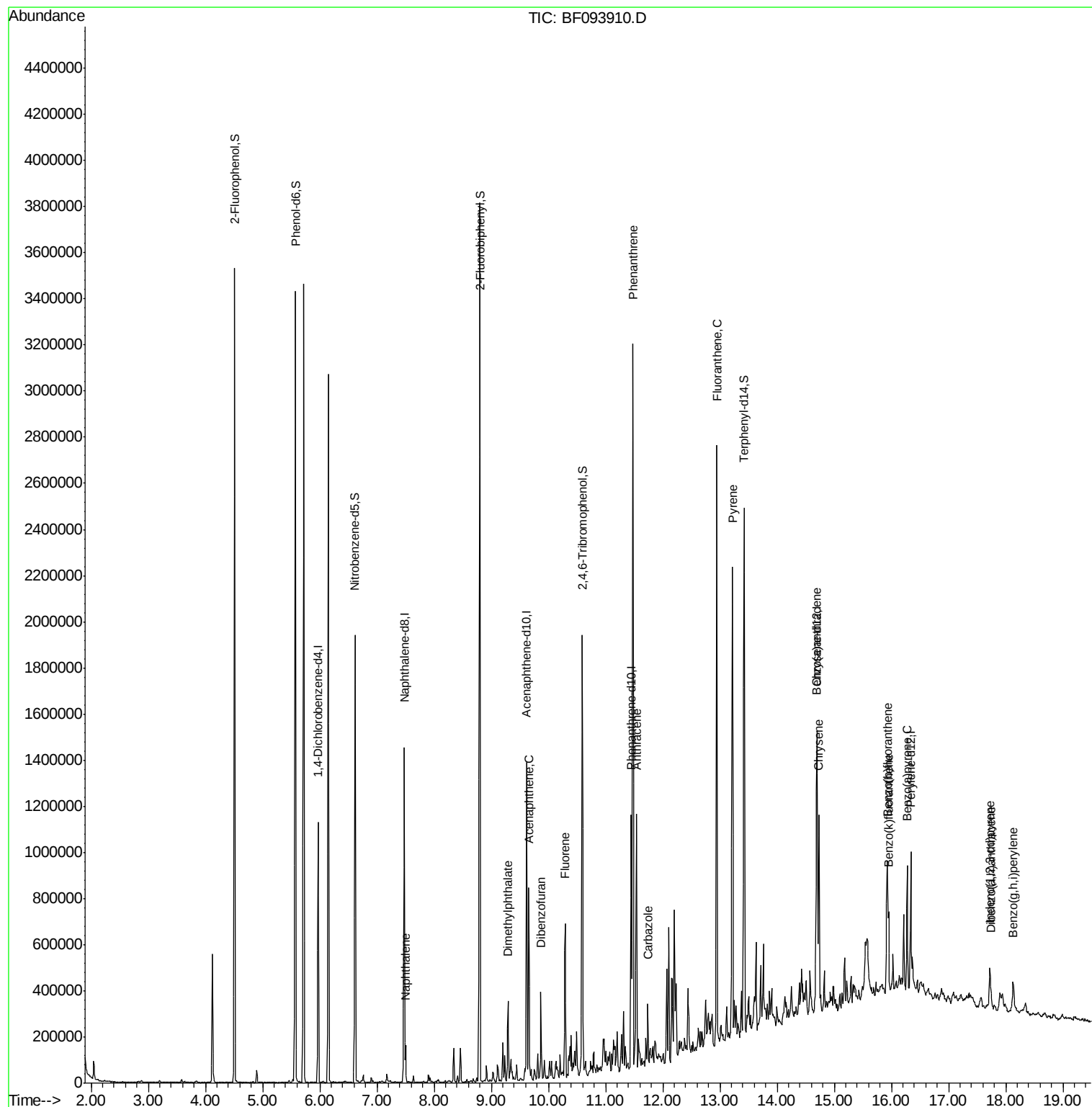
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
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ALS Vial : 13 Sample Multiplier: 1

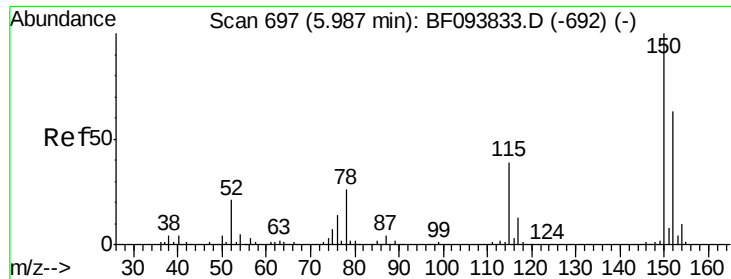
Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

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#1

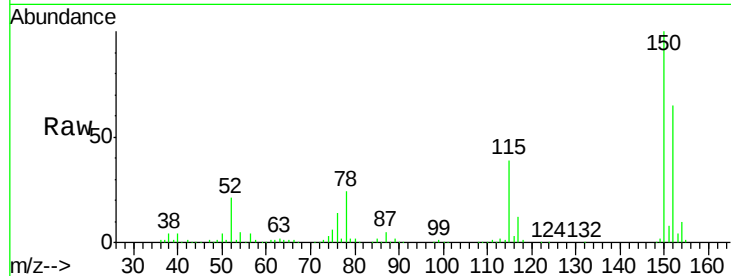
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	60.3	52.2	78.2

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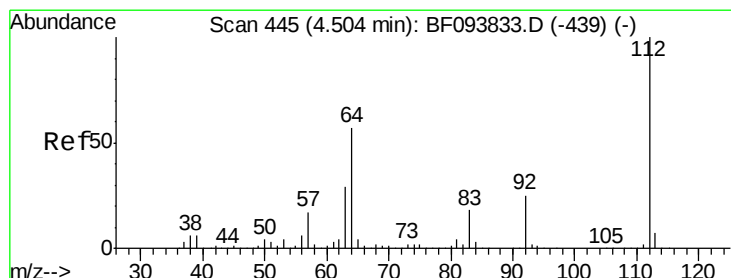
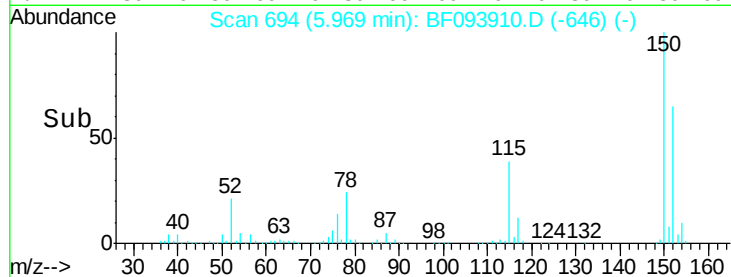
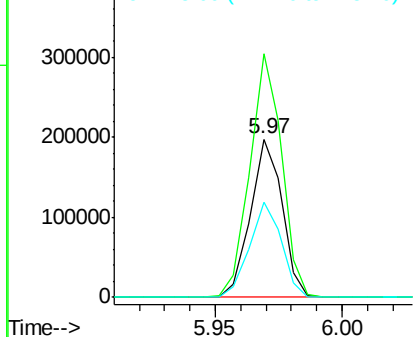


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

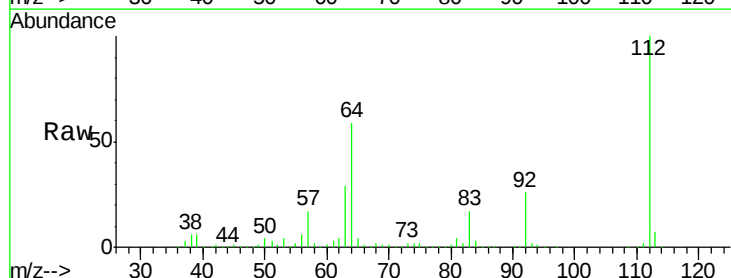
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.58 ng
RT: 4.51 min Scan# 446
Delta R.T. 0.01 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.0	69.0
63	29.1	23.4	35.0

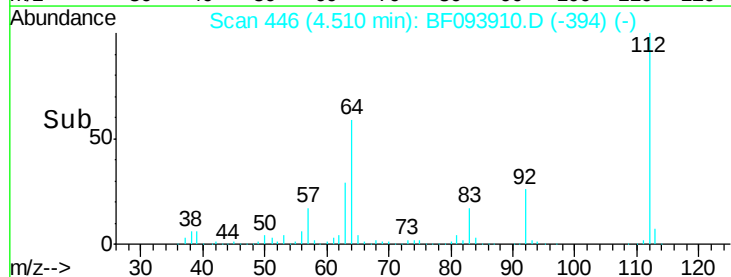
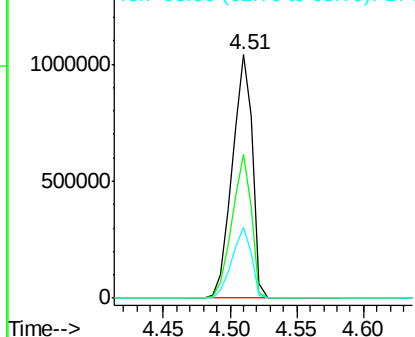


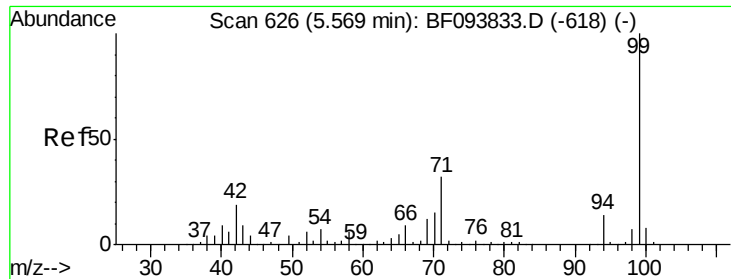
Abundance

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: 108.31 ng

RT: 5.57 min Scan# 627

Delta R.T. 0.01 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Instrument :

BNA_F

ClientSampleId :

E2-CC9-WSW

Tot Ion: 99 Resp: 1374264

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

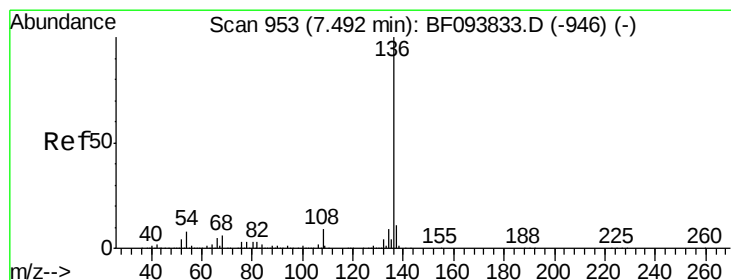
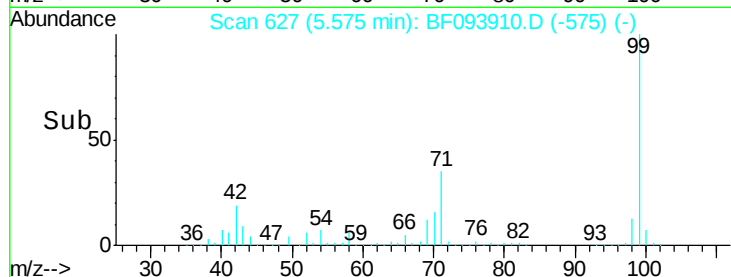
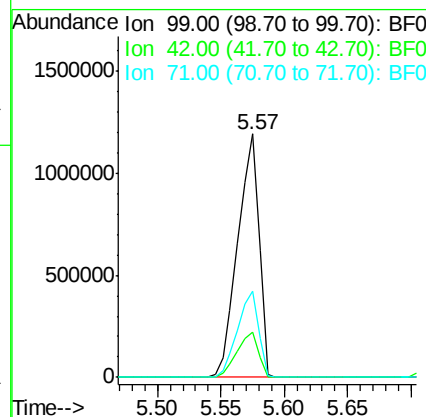
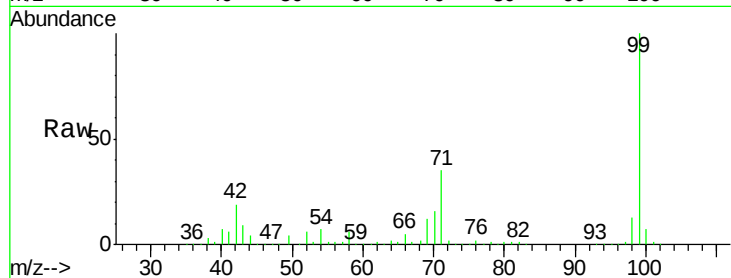
71 35.4 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Tgt Ion: 136 Resp: 678034

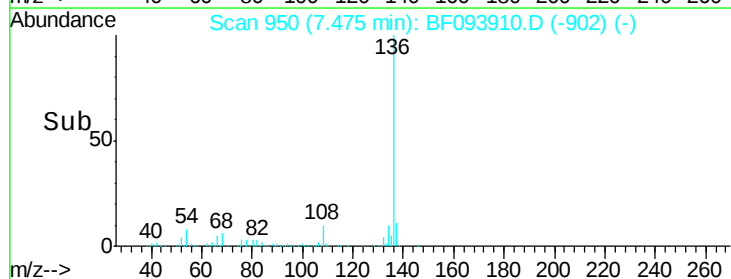
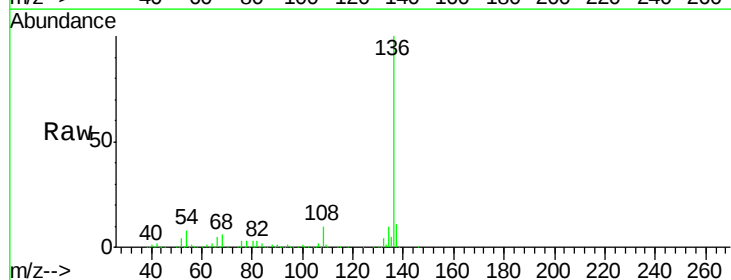
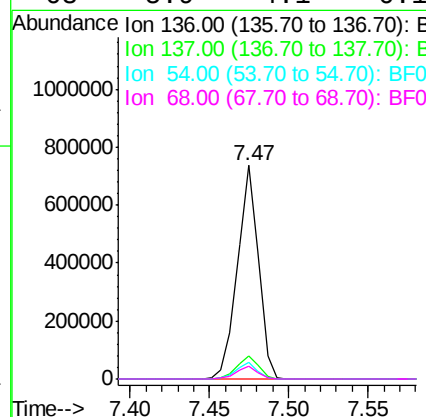
Ion Ratio Lower Upper

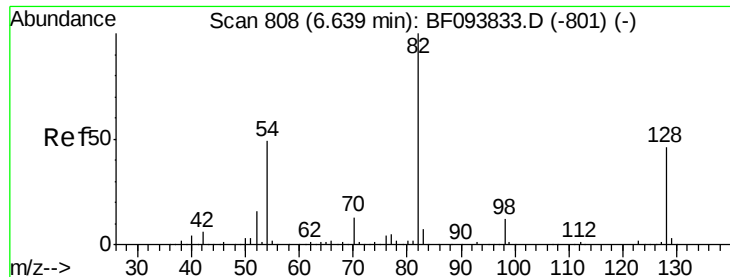
136 100

137 11.0 8.5 12.7

54 7.7 4.9 7.3#

68 5.9 4.1 6.1





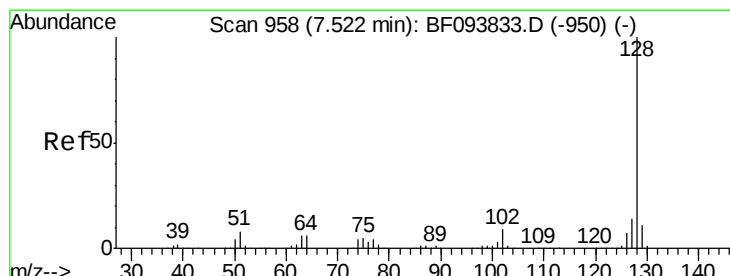
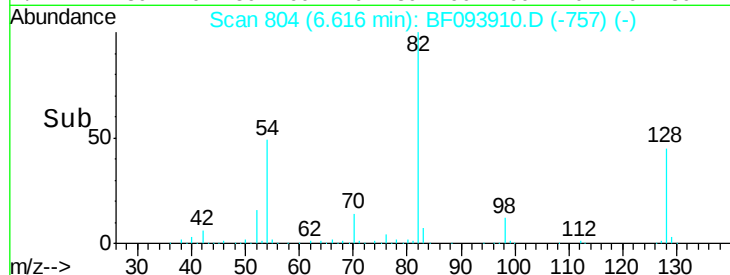
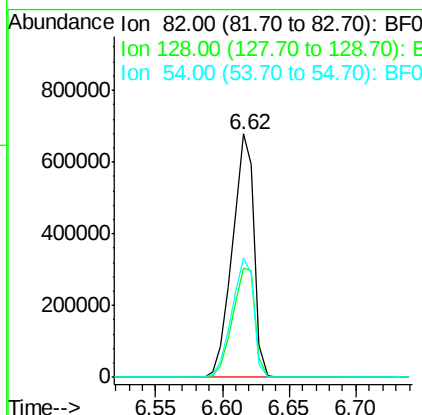
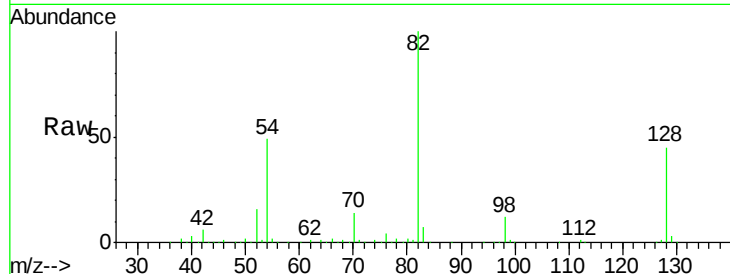
#23
Nitrobenzene-d5
Concen: 65.03 ng
RT: 6.62 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.0	51.0
54	49.3	42.2	63.2

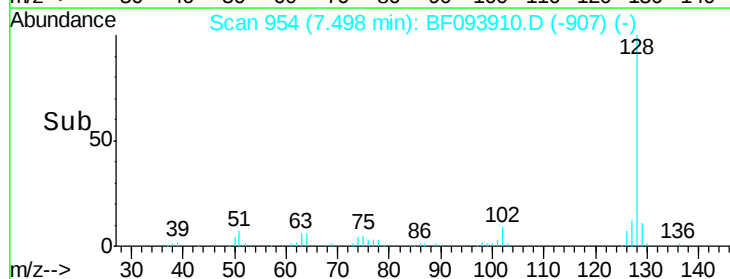
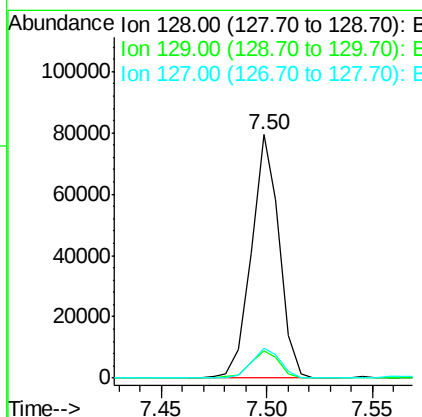
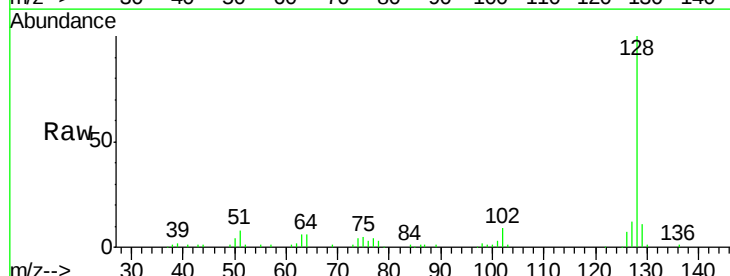
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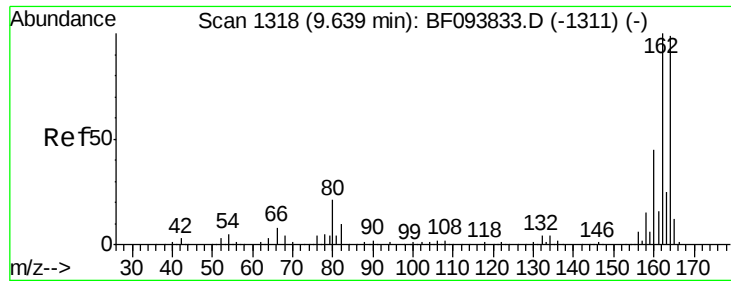
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#31
Naphthalene
Concen: 2.22 ng
RT: 7.50 min Scan# 954
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.4	10.8	16.2





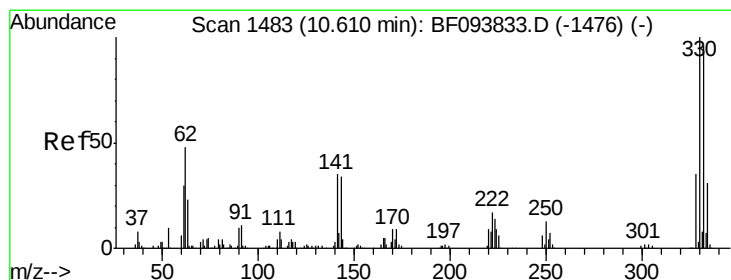
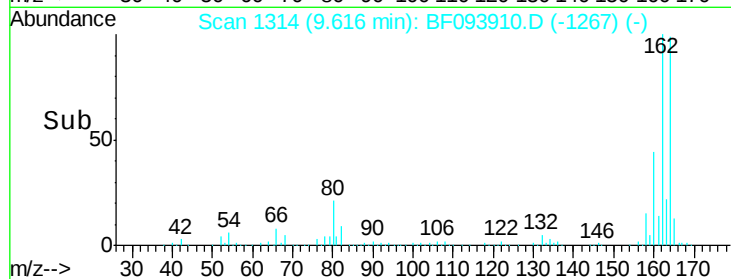
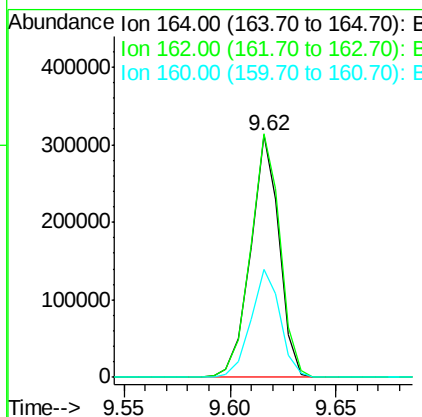
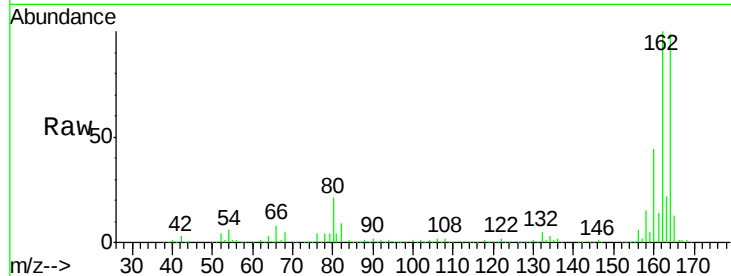
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF093910.D
 Acq: 24 Mar 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC9-WSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	292899		
162	100.6	82.6	123.8	
160	44.5	36.2	54.2	

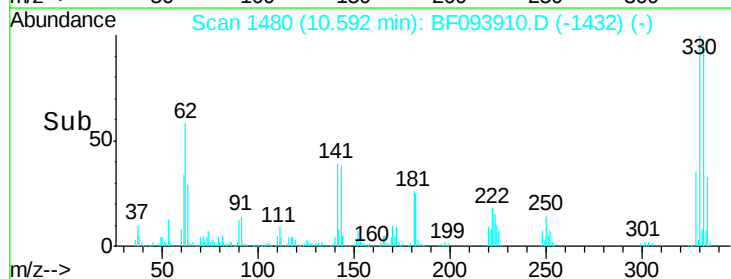
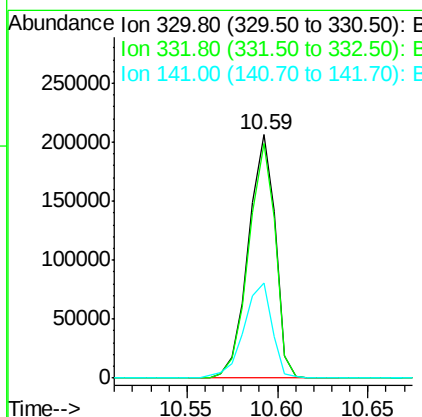
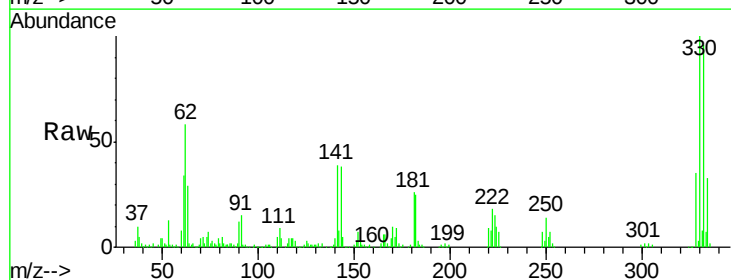
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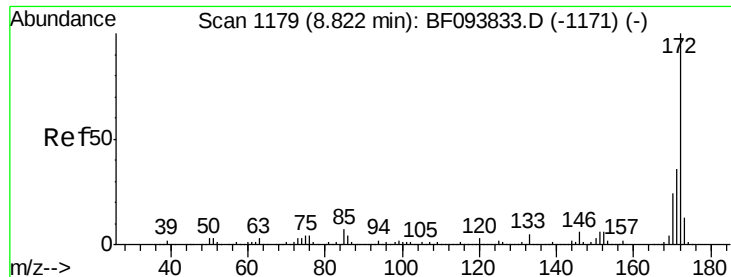
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#41
 2,4,6-Tribromophenol
 Concen: 92.28 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: BF093910.D
 Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	213576		
332	95.5	76.6	115.0	
141	40.5	31.4	47.2	





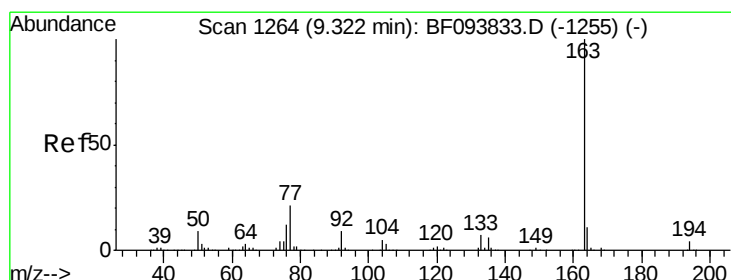
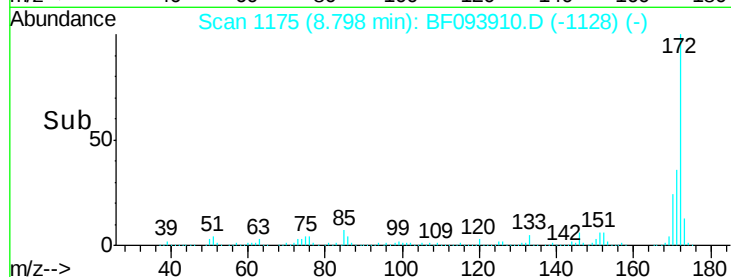
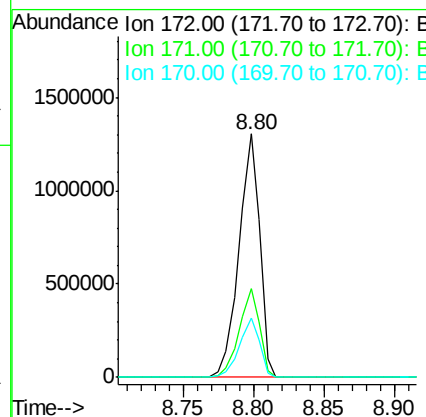
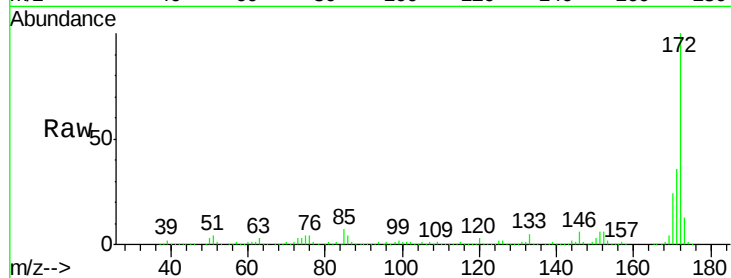
#44
2-Fluorobiphenyl
Concen: 69.40 ng
RT: 8.80 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.2	19.8	29.8

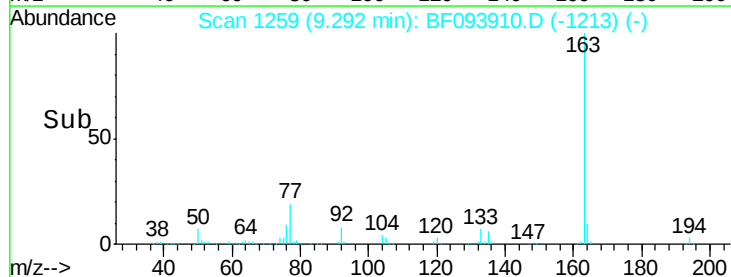
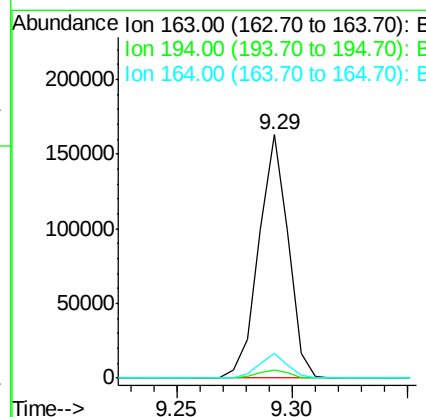
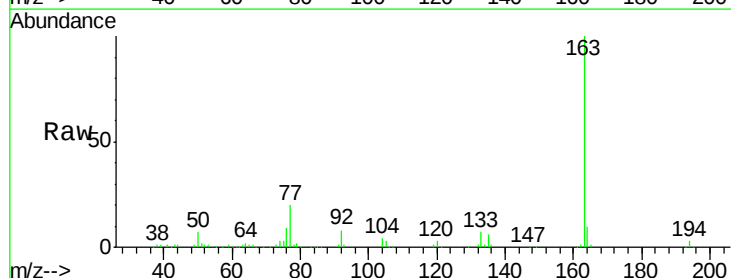
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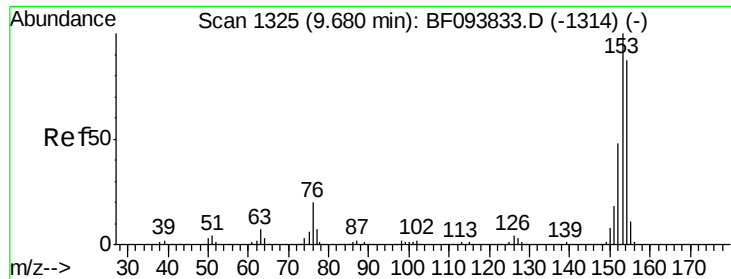
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#49
Dimethylphthalate
Concen: 6.98 ng
RT: 9.29 min Scan# 1259
Delta R.T. -0.03 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.4	8.4	12.6





#51

Acenaphthene

Concen: 10.23 ng

RT: 9.66 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Instrument :

BNA_F

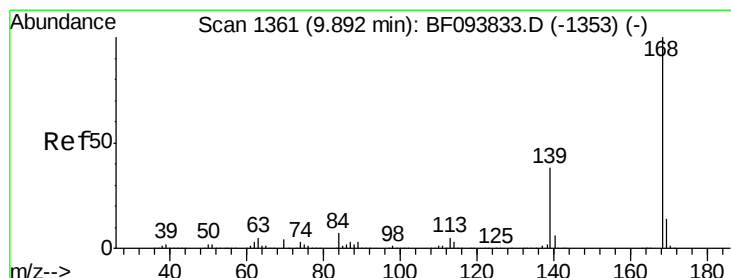
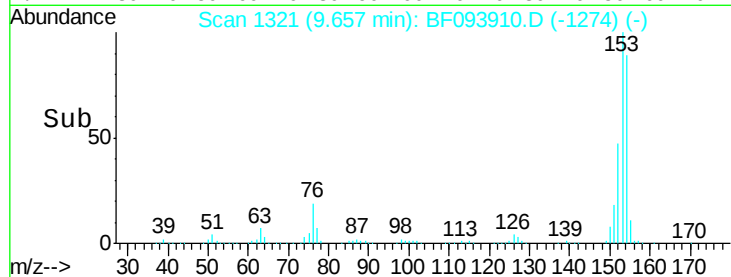
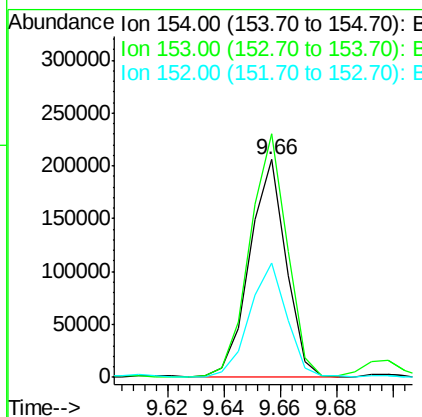
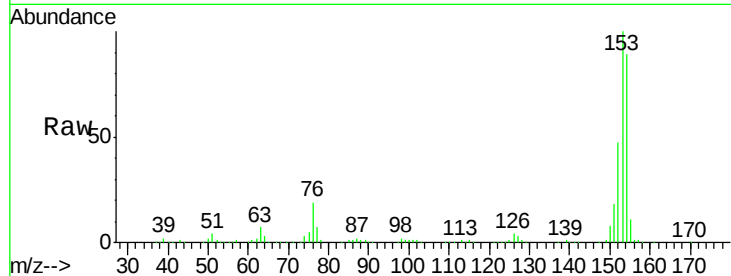
ClientSampleId :

E2-CC9-WSW

Tot Ion:	154	Resp:	183500
Ion Ratio	Lower	Upper	
154	100		
153	111.8	90.5	135.7
152	52.6	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 5.57 ng

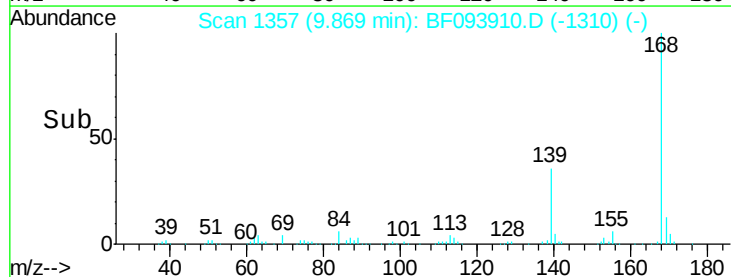
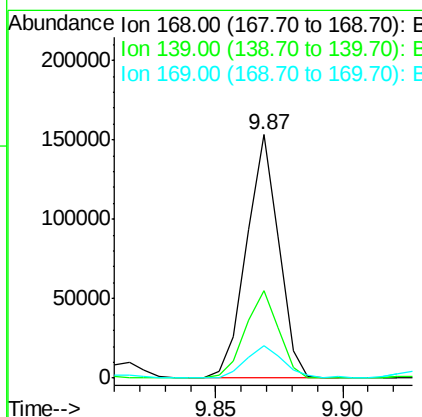
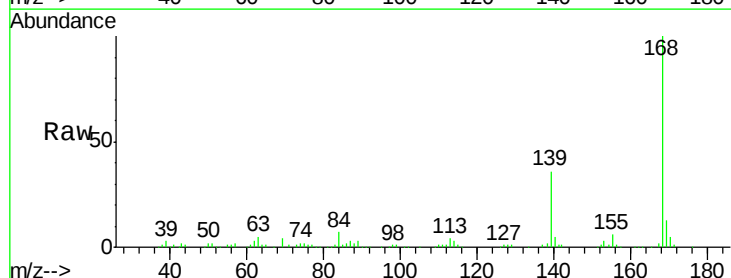
RT: 9.87 min Scan# 1357

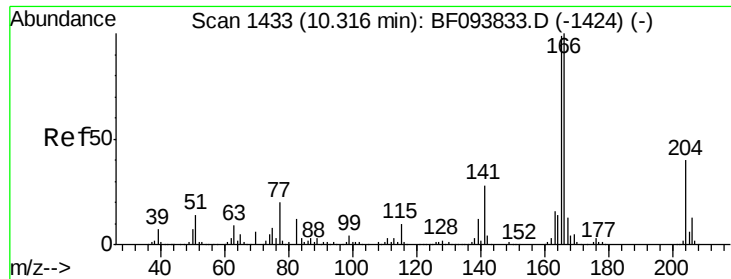
Delta R.T. -0.02 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Tgt Ion:	168	Resp:	135937
Ion Ratio	Lower	Upper	
168	100		
139	36.2	30.6	45.8
169	13.3	10.8	16.2





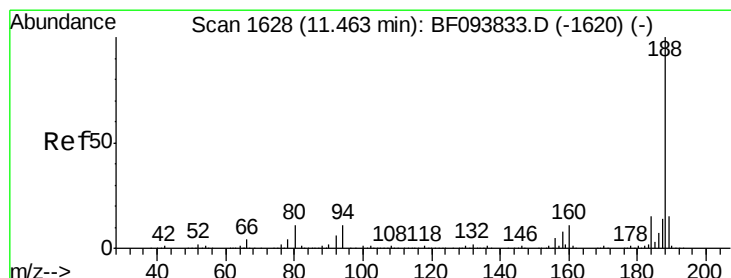
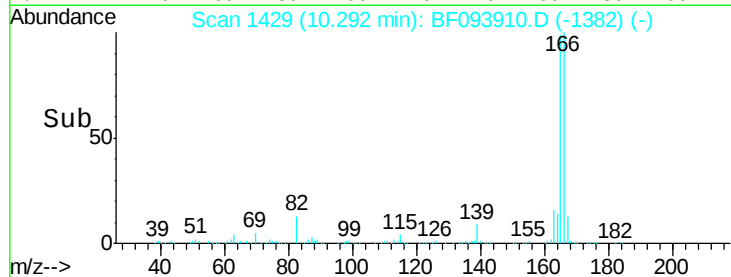
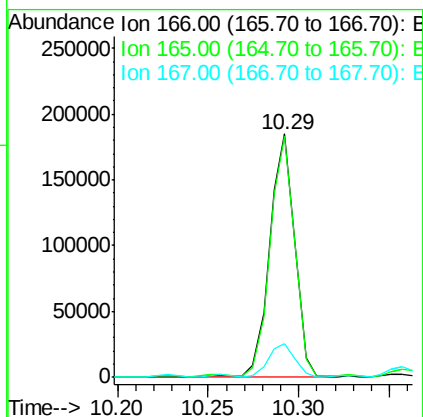
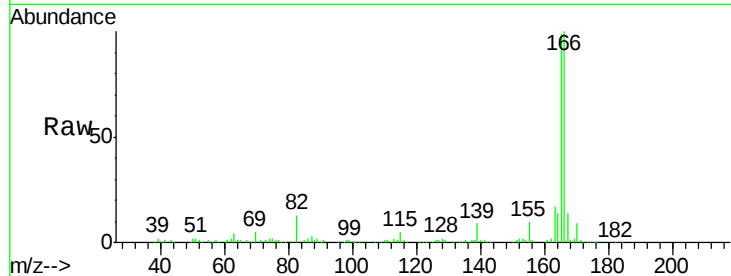
#57
Fluorene
 Concen: 8.75 ng
 RT: 10.29 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF093910.D
 Acq: 24 Mar 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.8	118.2
167	13.7	10.6	16.0

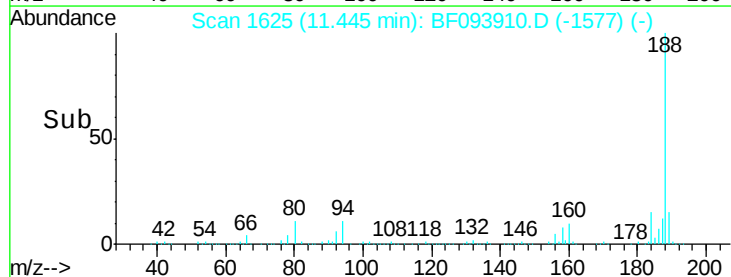
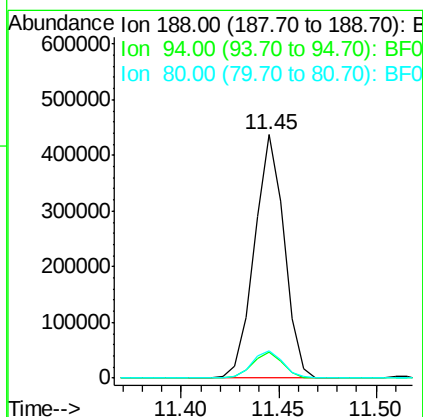
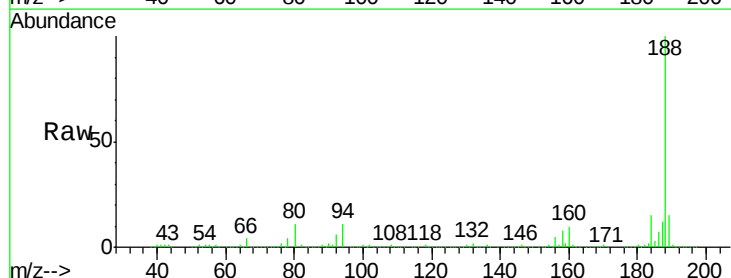
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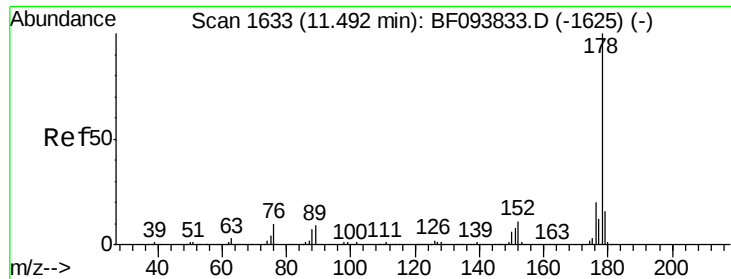
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1625
 Delta R.T. -0.02 min
 Lab File: BF093910.D
 Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.2	10.2	15.2





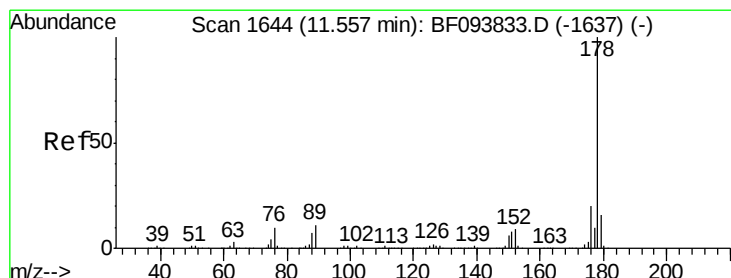
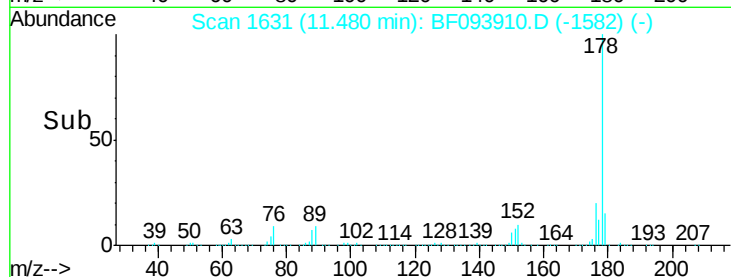
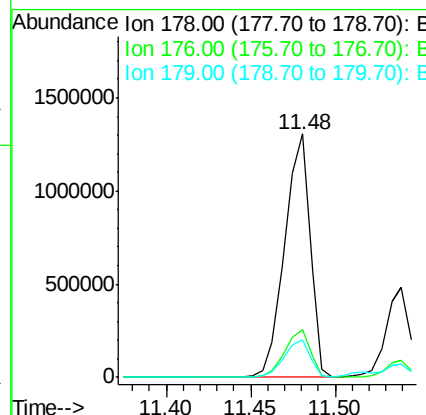
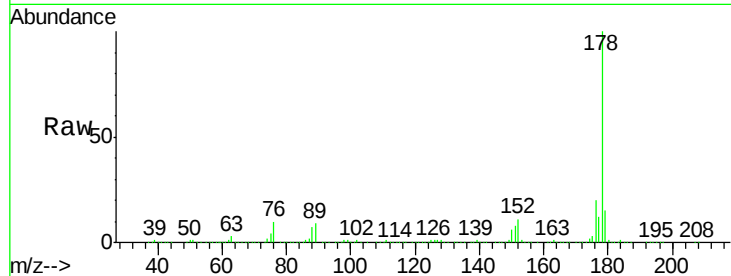
#70
Phenanthrene
Concen: 52.79 ng
RT: 11.48 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.6	16.2	24.4	
179	15.4	12.6	19.0	

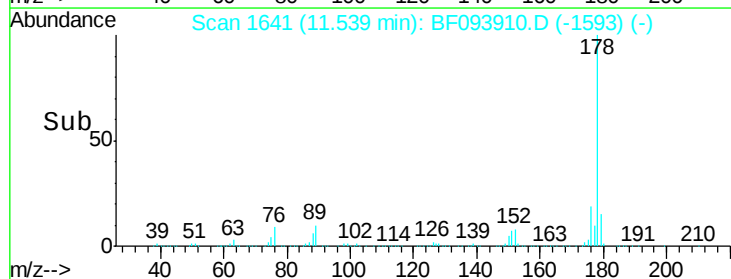
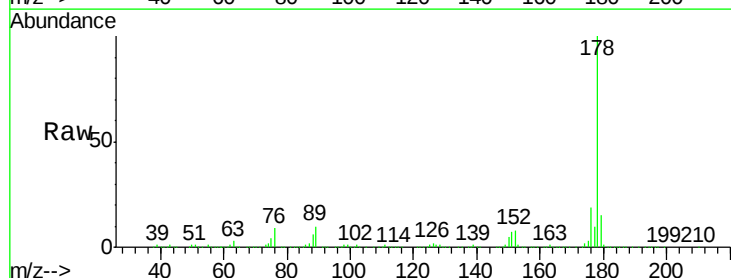
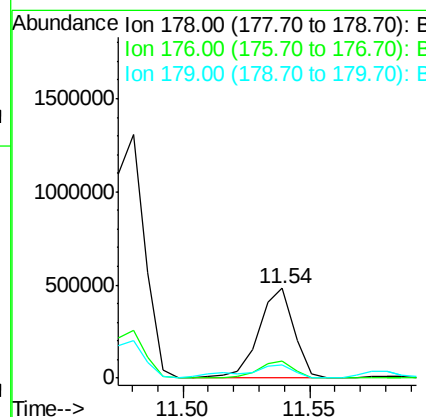
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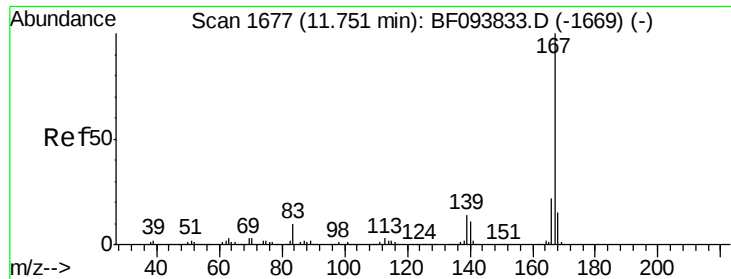
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#71
Anthracene
Concen: 17.57 ng
RT: 11.54 min Scan# 1641
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.0	15.8	23.8	
179	15.0	12.7	19.1	





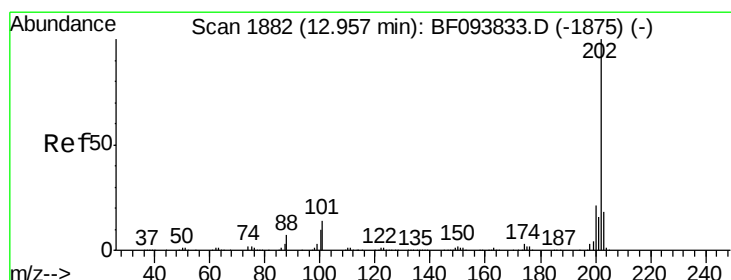
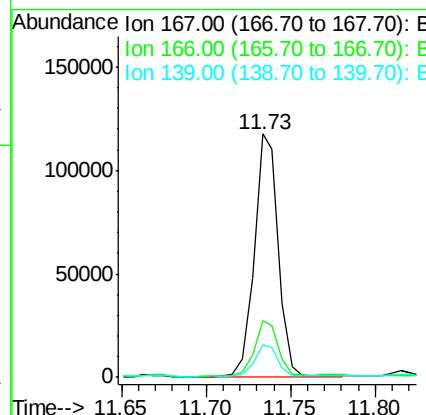
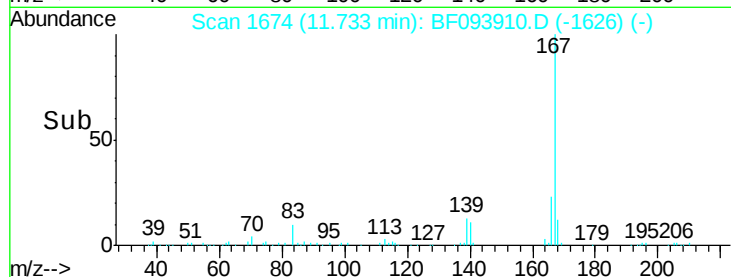
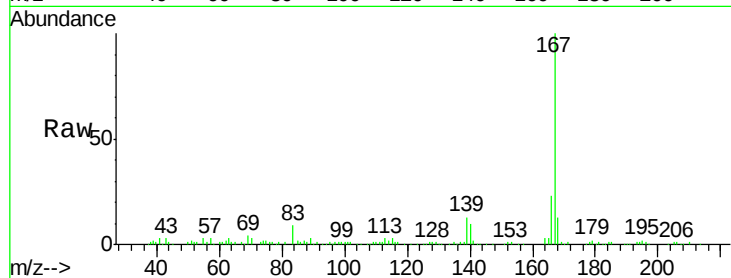
#72
 Carbazole
 Concen: 4.24 ng
 RT: 11.73 min Scan# 1674
 Delta R.T. -0.02 min
 Lab File: BF093910.D
 Acq: 24 Mar 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	13.1	11.7	17.5

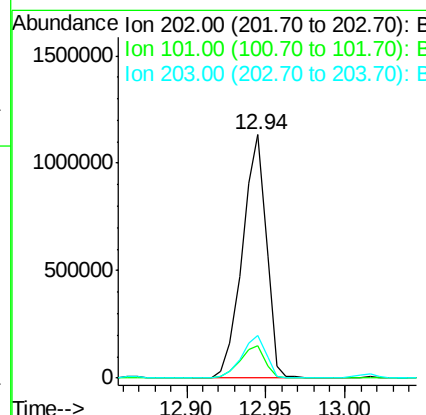
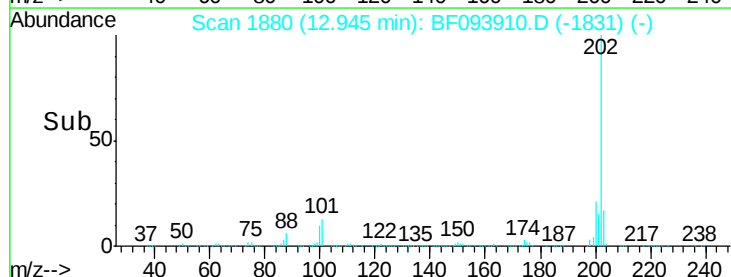
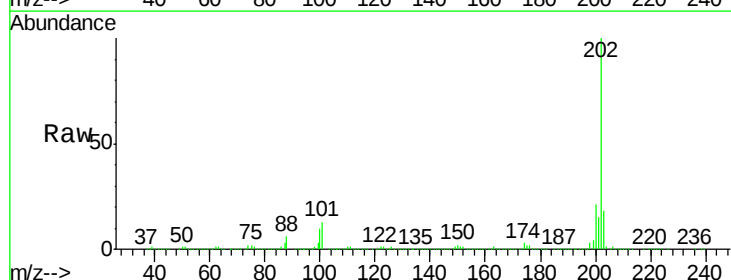
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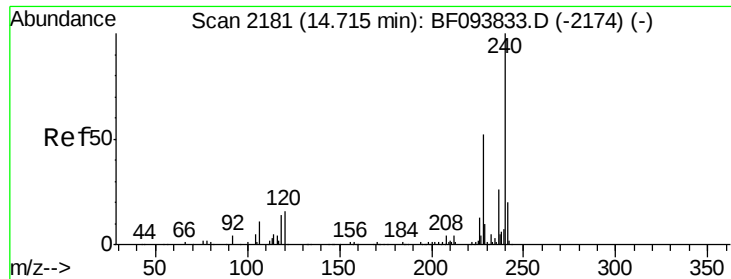
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#74
 Fluoranthene
 Concen: 45.07 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. -0.01 min
 Lab File: BF093910.D
 Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.70 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Instrument :

BNA_F

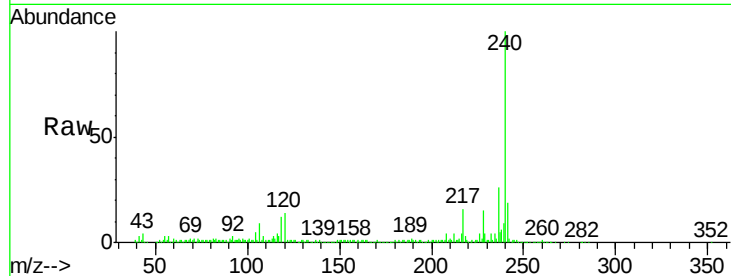
ClientSampleId :

E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	26.1	20.5	30.7

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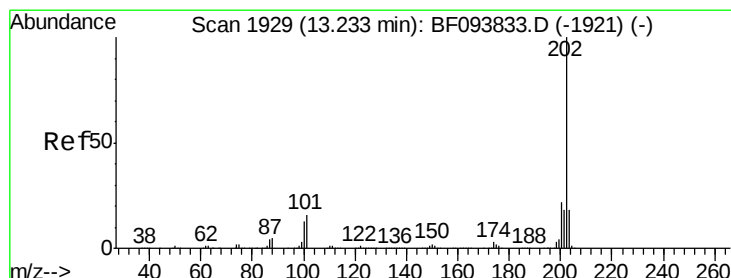
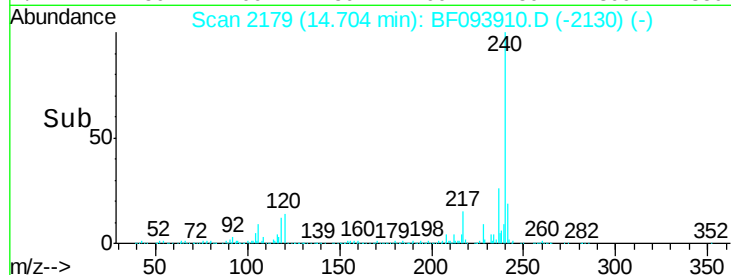
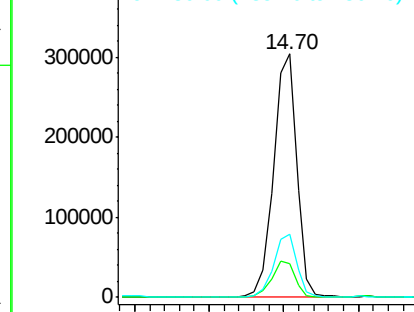
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 40.13 ng

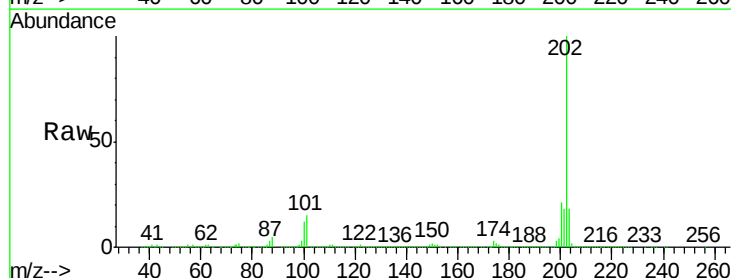
RT: 13.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

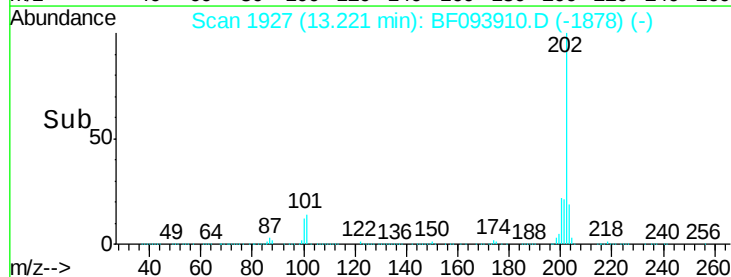
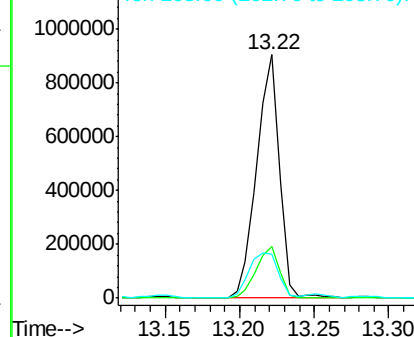
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.1	14.4	21.6

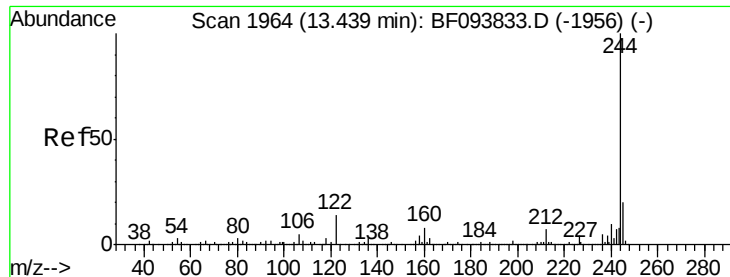


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.79 ng

RT: 13.42 min Scan# 1961

Delta R.T. -0.02 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Instrument :

BNA_F

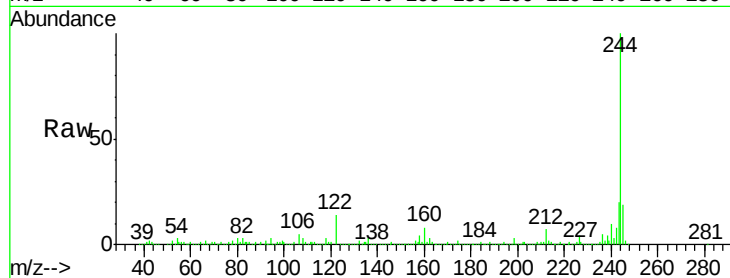
ClientSampleId :

E2-CC9-WSW

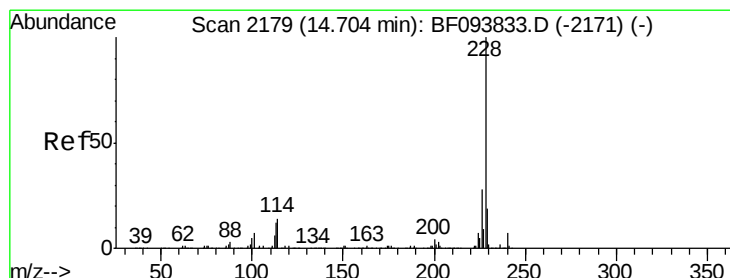
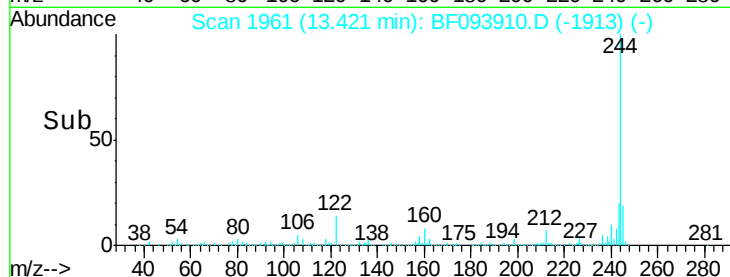
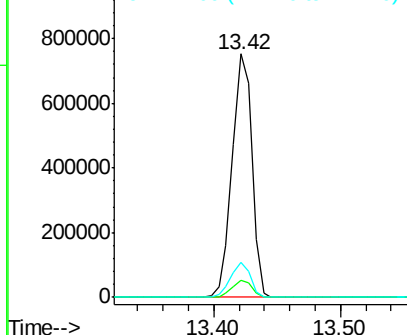
Tot Ion:	244	Resp:	808367
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.3	10.3	15.5

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 22.49 ng

RT: 14.69 min Scan# 2176

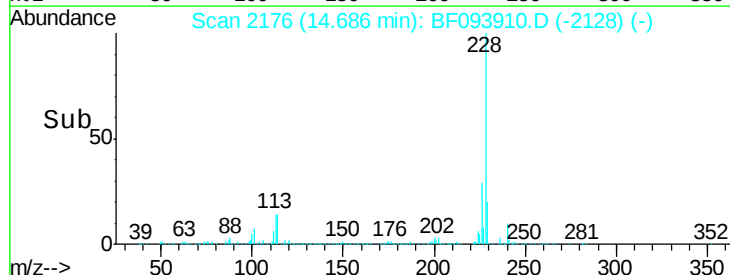
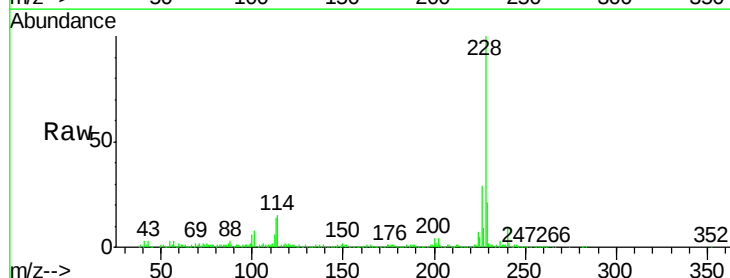
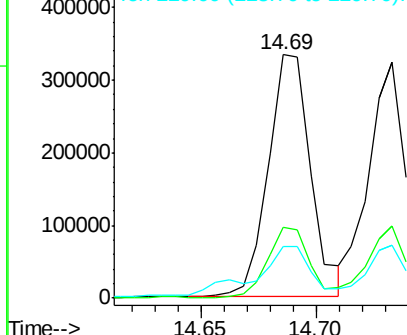
Delta R.T. -0.02 min

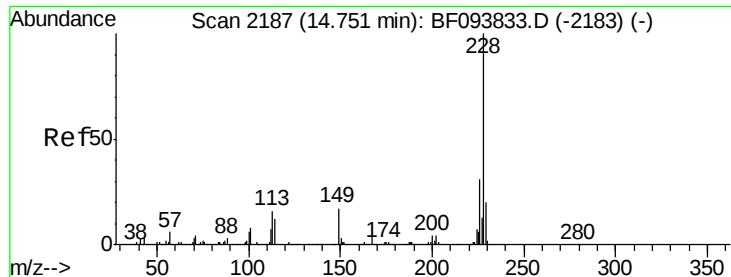
Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Tgt Ion:	228	Resp:	426054
Ion Ratio		Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.2	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 20.22 ng

RT: 14.73 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Instrument :

BNA_F

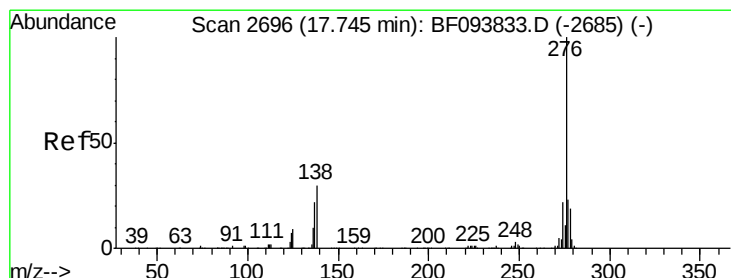
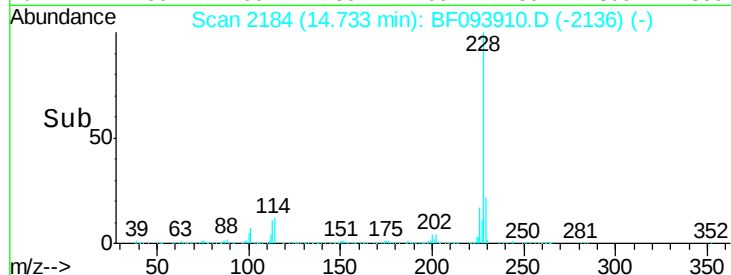
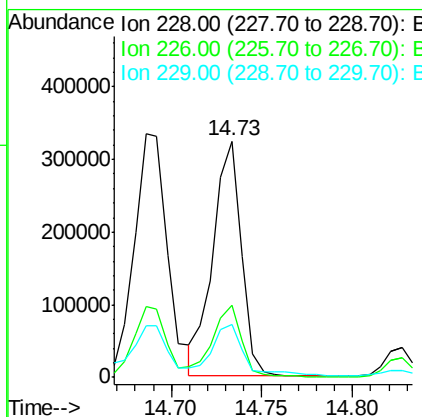
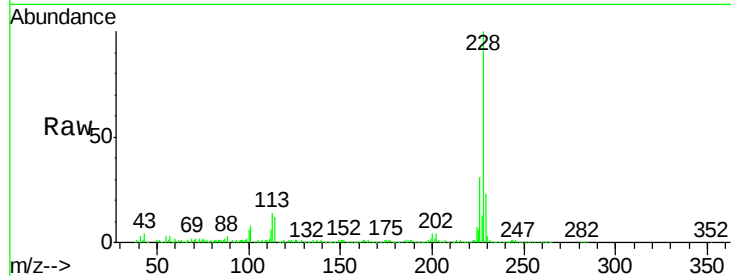
ClientSampleId :

E2-CC9-WSW

Tot Ion:	228	Resp:	355473
Ion Ratio		Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.5	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.43 ng

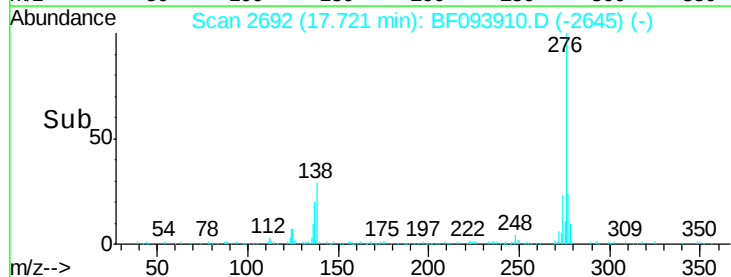
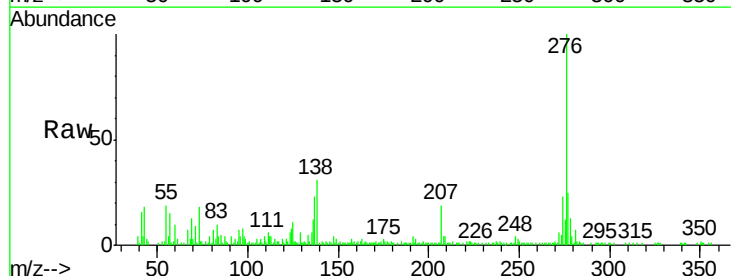
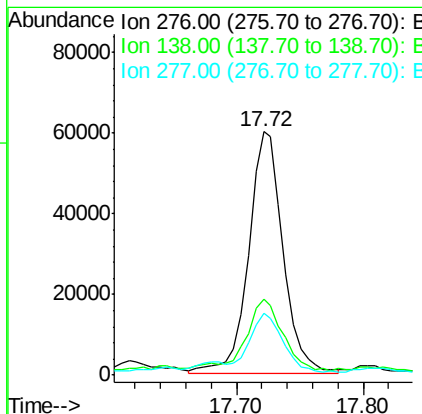
RT: 17.72 min Scan# 2692

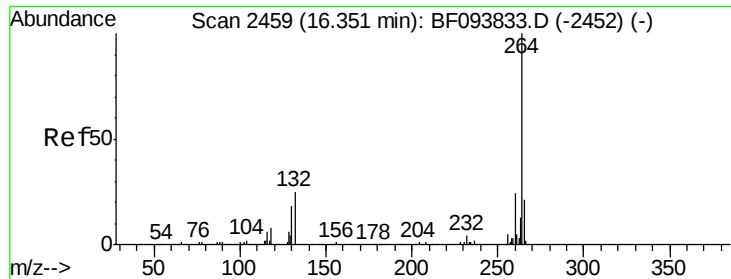
Delta R.T. -0.02 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Tgt Ion:	276	Resp:	113057
Ion Ratio		Lower	Upper
276	100		
138	33.3	27.8	41.6
277	24.2	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.34 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BF093910.D

Acq: 24 Mar 2017 16:01

Instrument :

BNA_F

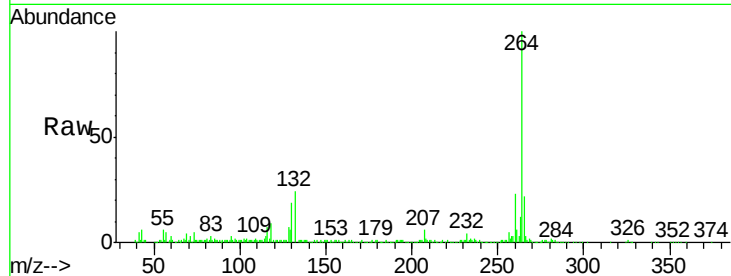
ClientSampleId :

E2-CC9-WSW

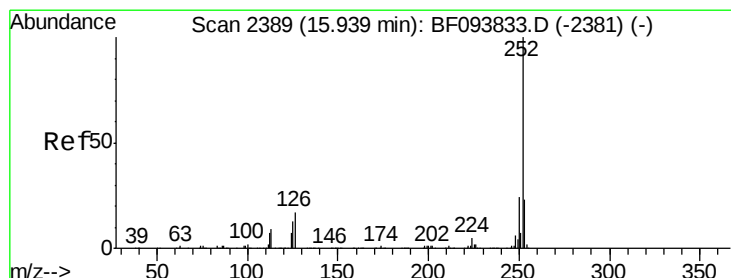
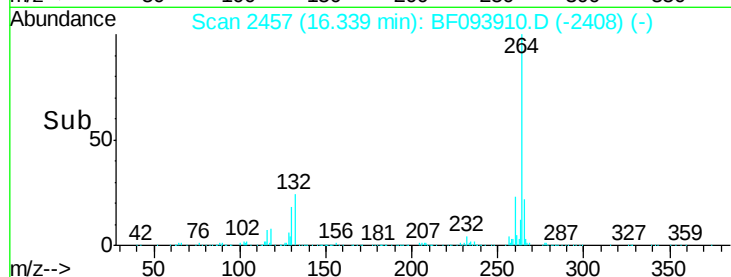
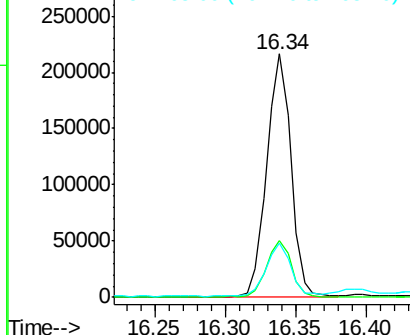
Tot Ion:	264	Resp:	261994
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	22.1	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 20.64 ng m

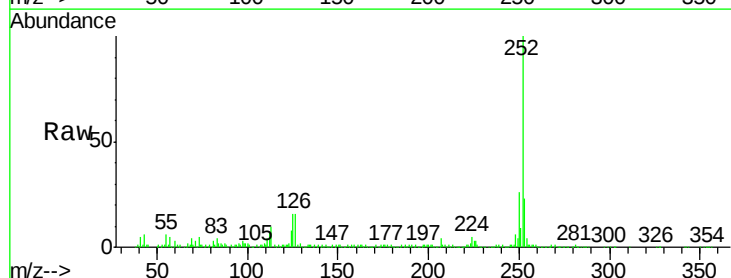
RT: 15.93 min Scan# 2387

Delta R.T. -0.01 min

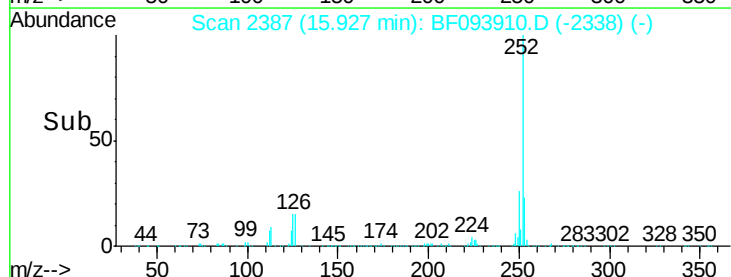
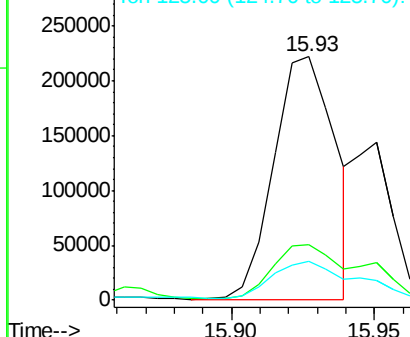
Lab File: BF093910.D

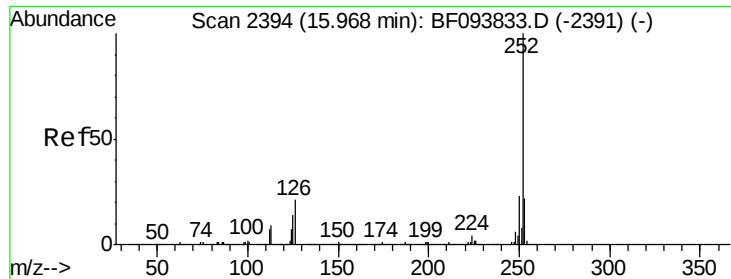
Acq: 24 Mar 2017 16:01

Tgt Ion:	252	Resp:	331512
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	15.9	9.8	14.8#



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





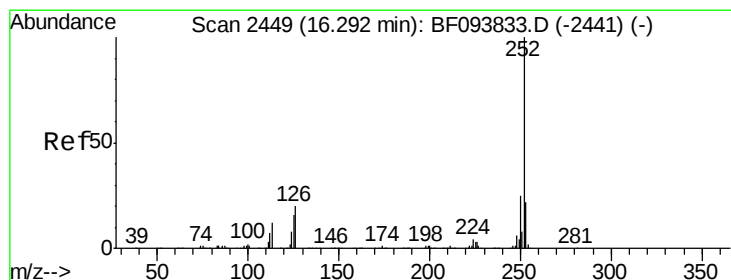
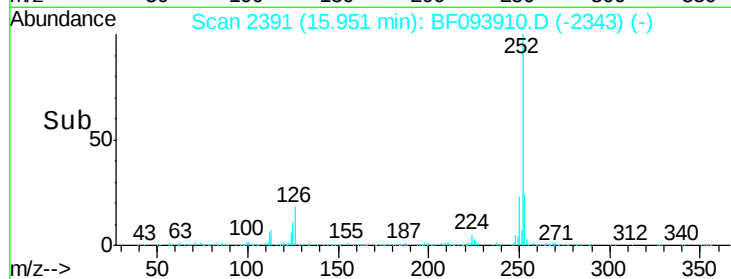
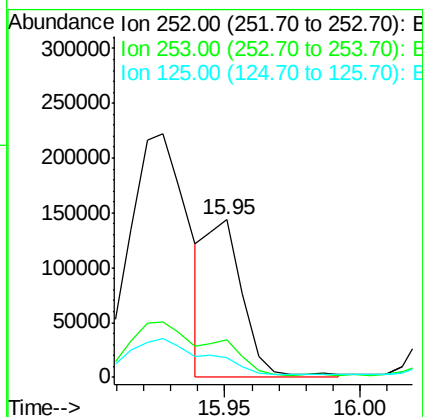
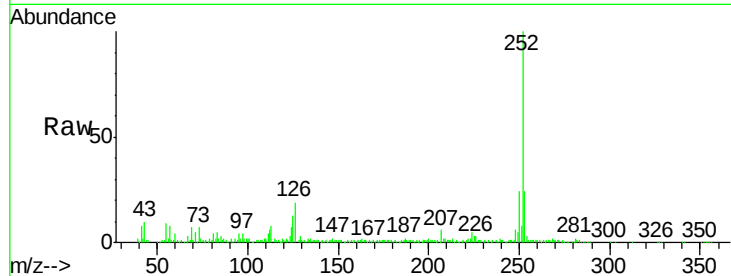
#88
Benzo(k)fluoranthene
Concen: 8.67 ng m
RT: 15.95 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	12.8	13.1	19.7

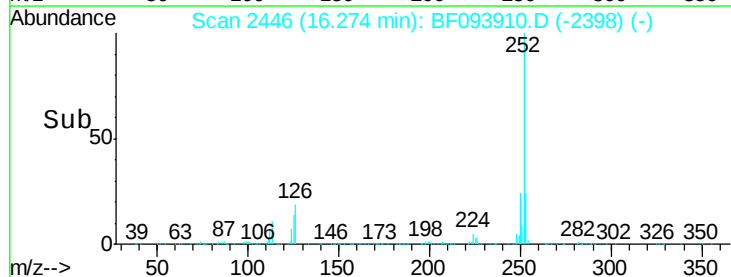
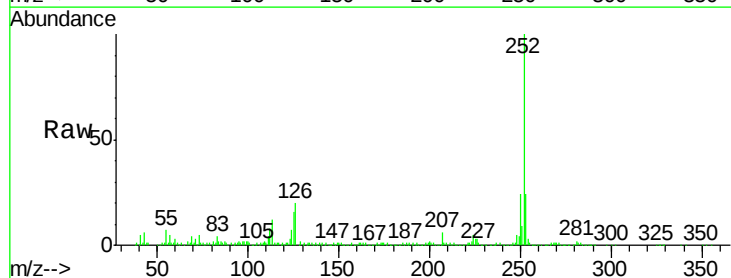
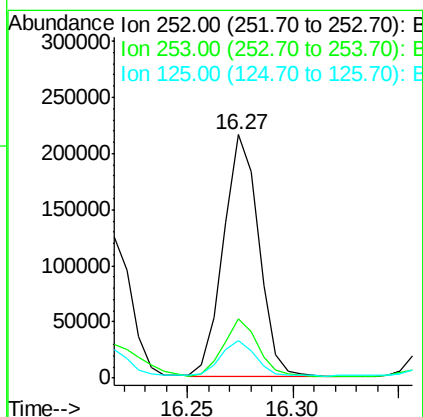
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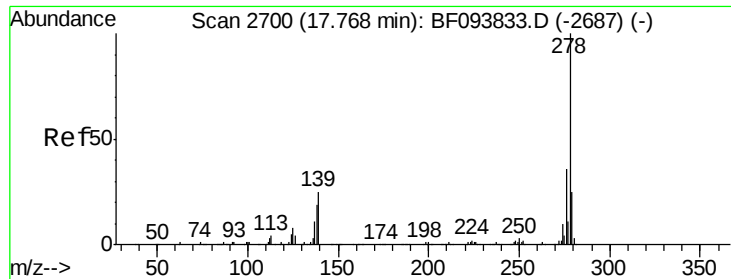
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#89
Benzo(a)pyrene
Concen: 16.75 ng
RT: 16.27 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	15.5	11.0	16.4





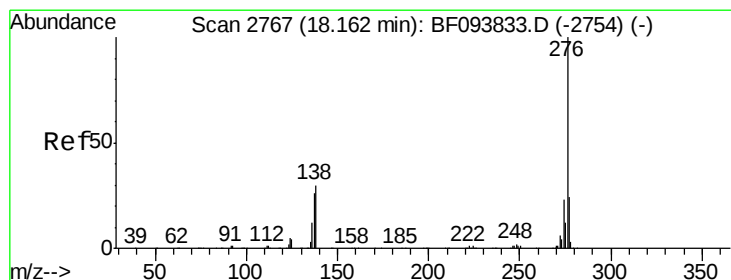
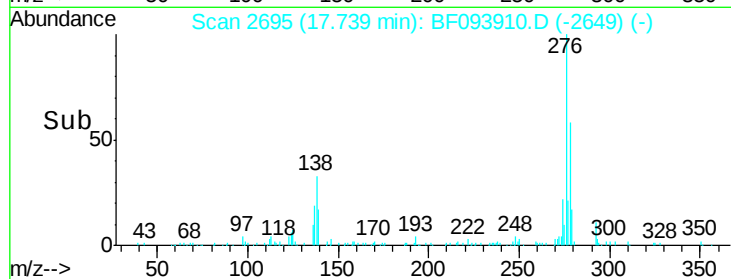
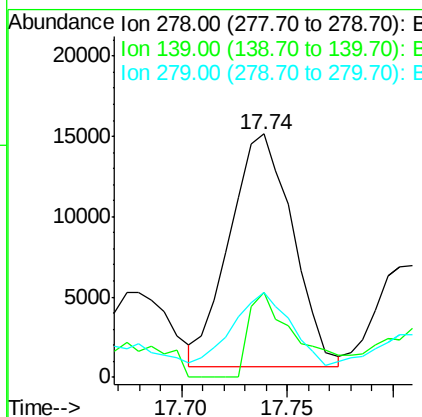
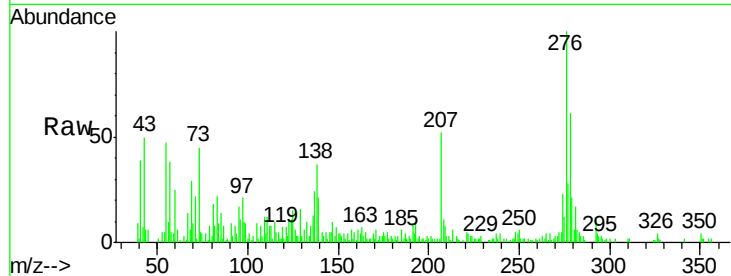
#90
Dibenzo(a,h)anthracene
Concen: 2.41 ng
RT: 17.74 min Scan# 2695
Delta R.T. -0.03 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Instrument :
BNA_F
ClientSampleId :
E2-CC9-WSW

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.7	16.6	24.8#
279	34.8	19.3	28.9#

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3/27/2017 12:56:18 PM



#91
Benzo(g,h,i)perylene
Concen: 6.95 ng
RT: 18.13 min Scan# 2762
Delta R.T. -0.03 min
Lab File: BF093910.D
Acq: 24 Mar 2017 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	31.2	25.4	38.0

