

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093719.D
 Acq On : 16 Mar 2017 21:13
 Operator : SJ/MA
 Sample : I2266-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7

Manual Integrations
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Quant Time: Mar 17 07:57:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	185847	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	743327	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	324266	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	561801	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	387512	20.00	ng	-0.03
86) Perylene-d12	15.26	264	313101	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1316527	117.90	ng	-0.02
7) Phenol-d6	6.36	99	1650209	117.19	ng	-0.02
23) Nitrobenzene-d5	7.27	82	998009	74.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	288267	136.45	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1251654	71.80	ng	-0.02
78) Terphenyl-d14	12.80	244	998643	67.00	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.37	94	133849	7.76	ng	85
49) Dimethylphthalate	9.48	163	187591	8.73	ng	99
51) Acenaphthene	9.77	154	36671	2.08	ng	98
57) Fluorene	10.29	166	42260	2.26	ng	99
70) Phenanthrene	11.25	178	686291	21.40	ng	98
71) Anthracene	11.30	178	251328	7.75	ng	97
74) Fluoranthene	12.44	202	938822	30.31	ng	95
77) Pyrene	12.67	202	885183	31.41	ng	99
80) Benzo(a)anthracene	13.85	228	371722	16.24	ng	99
82) Chrysene	13.89	228	314986m	14.88	ng	
85) Indeno(1,2,3-cd)pyrene	16.60	276	114762	6.48	ng	97
87) Benzo(b)fluoranthene	14.87	252	277020m	14.53	ng	
88) Benzo(k)fluoranthene	14.88	252	107747m	5.86	ng	
89) Benzo(a)pyrene	15.20	252	213923	12.28	ng	99
90) Dibenzo(a,h)anthracene	16.60	278	32164m	2.23	ng	
91) Benzo(g,h,i)perylene	17.01	276	110415	7.46	ng	# 88

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

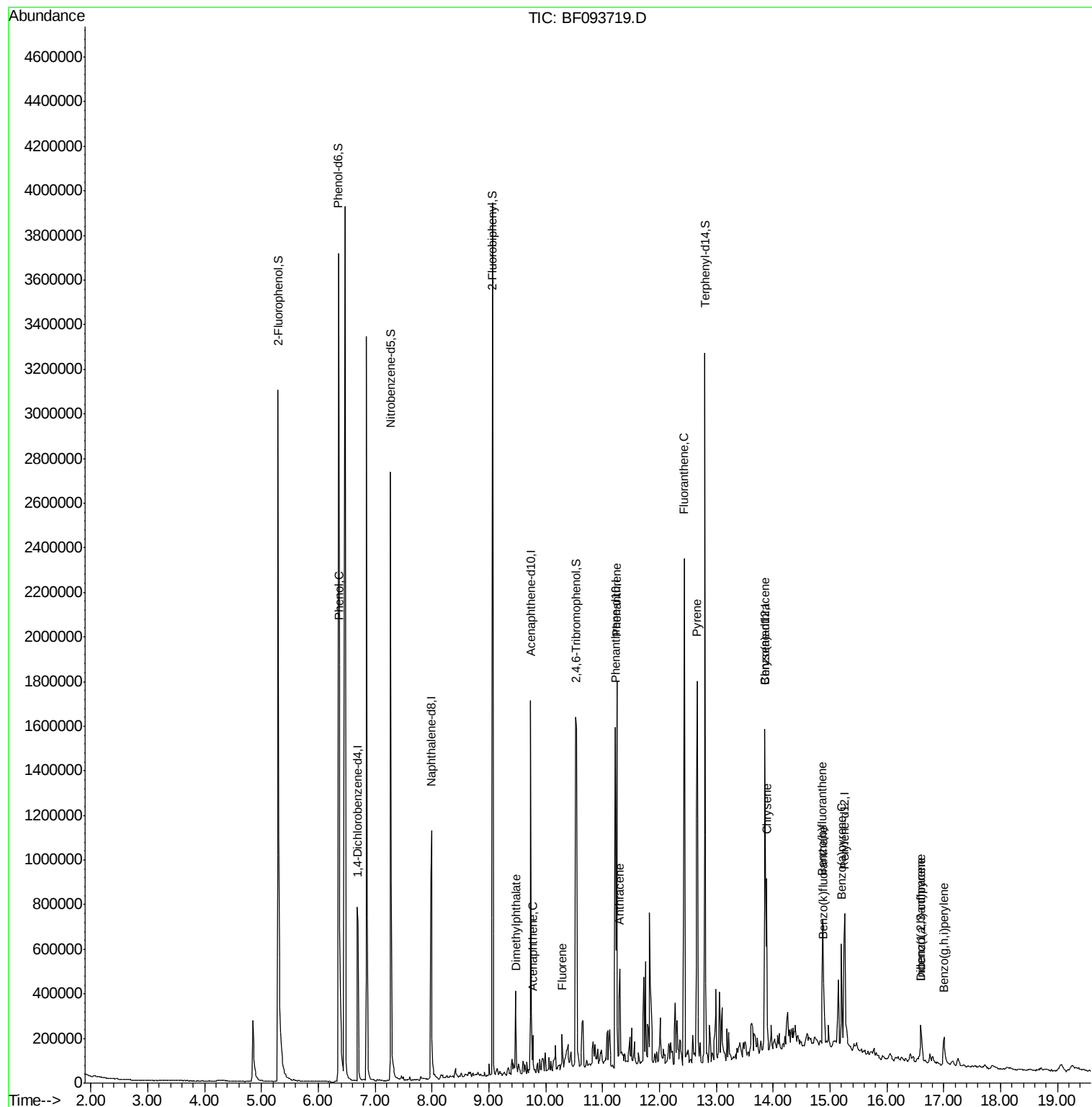
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
Data File : BF093719.D
Acq On : 16 Mar 2017 21:13
Operator : SJ/MA
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Misc :
ALS Vial : 18 Sample Multiplier: 1

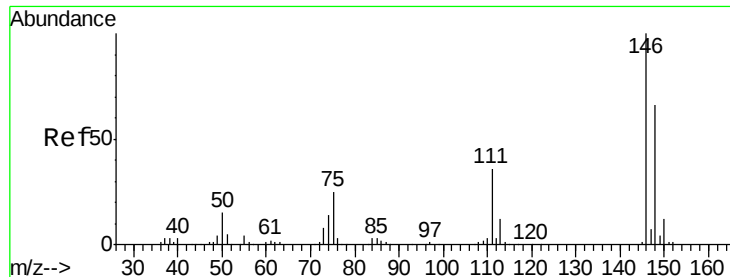
Instrument :
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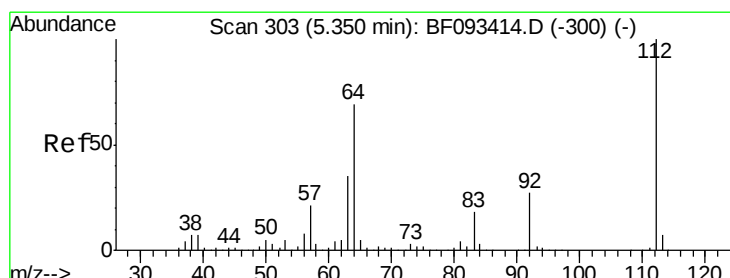
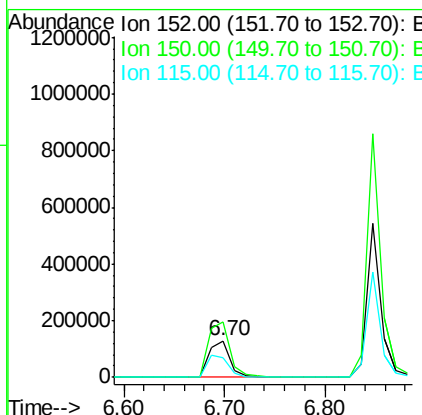
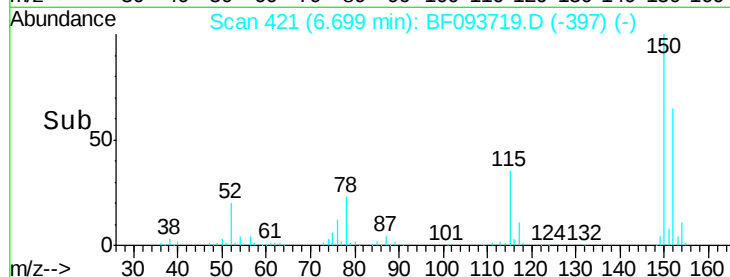
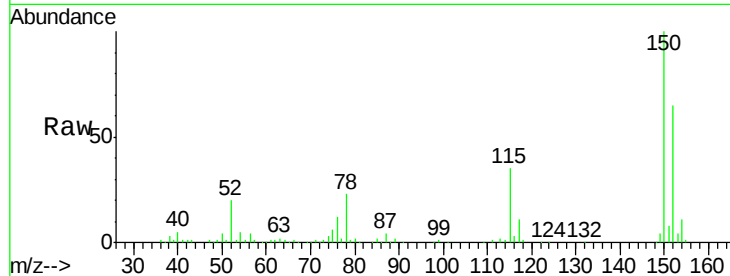
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF093719.D
 Acq: 16 Mar 2017 21:13

Instrument :
 BNA_F
 ClientSampled :
 TP7

Tot Ion:	152	Resp:	185847
Ion Ratio	Lower	Upper	
152	100		
150	153.5	124.9	187.3
115	54.3	46.0	69.0

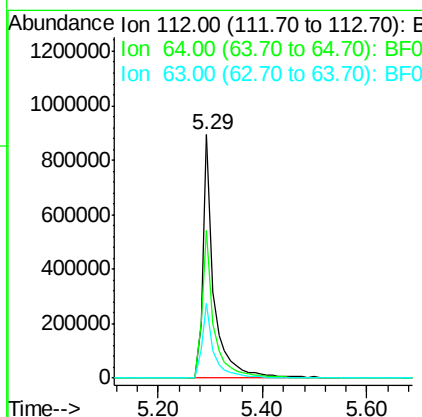
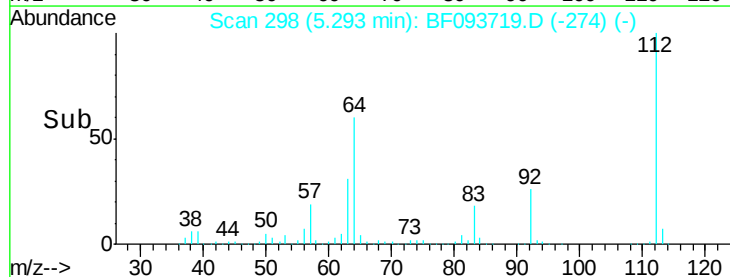
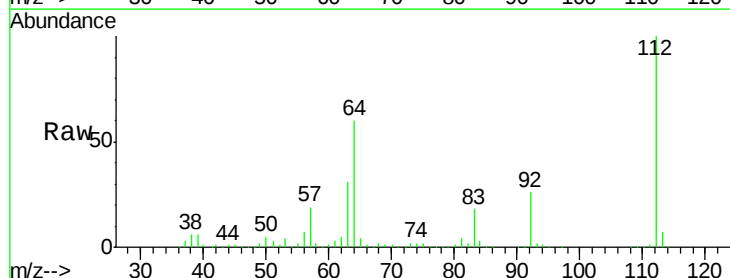
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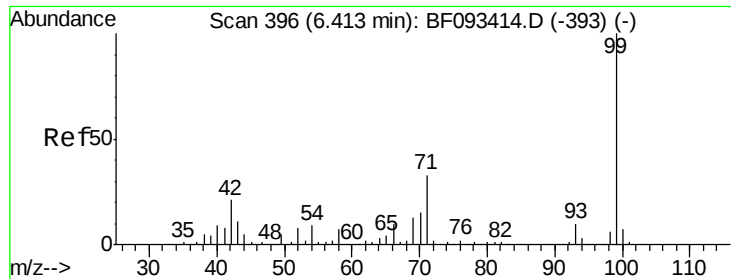
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#5
 2-Fluorophenol
 Concen: 117.90 ng
 RT: 5.29 min Scan# 298
 Delta R.T. -0.02 min
 Lab File: BF093719.D
 Acq: 16 Mar 2017 21:13

Tgt Ion:	112	Resp:	1316527
Ion Ratio	Lower	Upper	
112	100		
64	60.4	46.1	69.1
63	30.6	23.8	35.6





#7

Phenol-d6

Concen: 117.19 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Instrument :

BNA_F

ClientSampleId :

TP7

Tot Ion: 99 Resp: 1650209

Ion Ratio Lower Upper

99 100

42 22.2 15.6 23.4

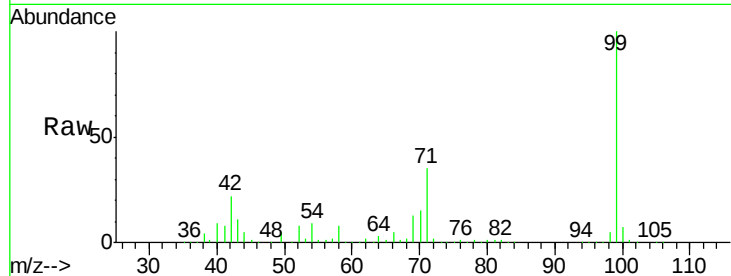
71 34.7 27.5 41.3

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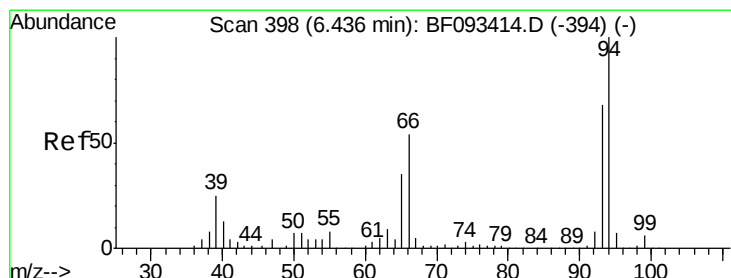
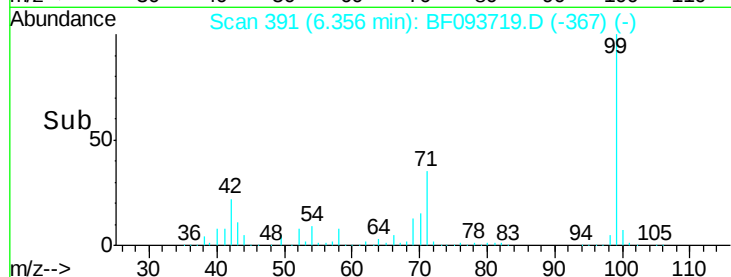
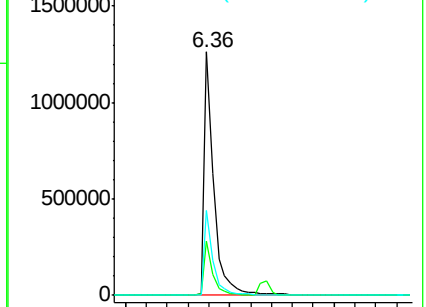
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.76 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

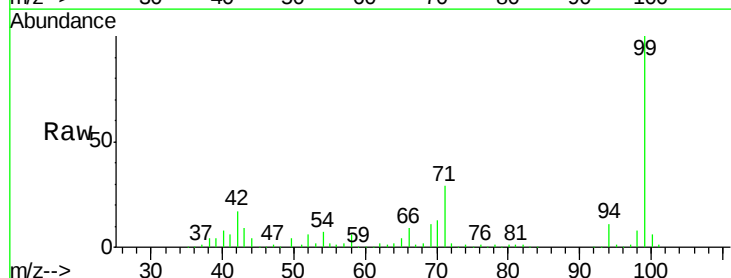
Tgt Ion: 94 Resp: 133849

Ion Ratio Lower Upper

94 100

65 38.0 21.4 61.4

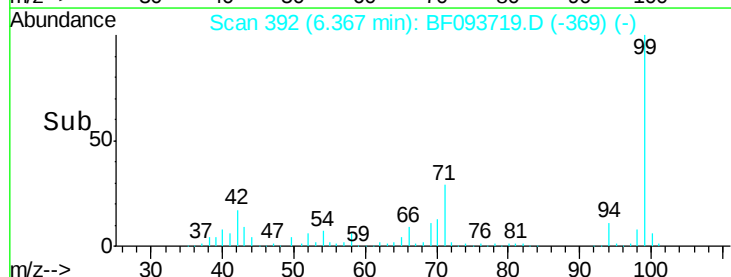
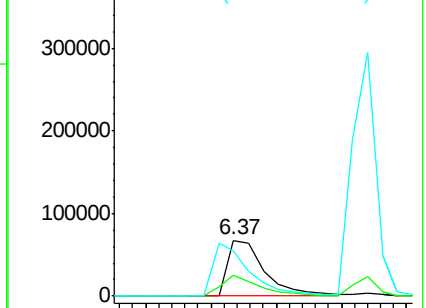
66 80.7 44.0 84.0

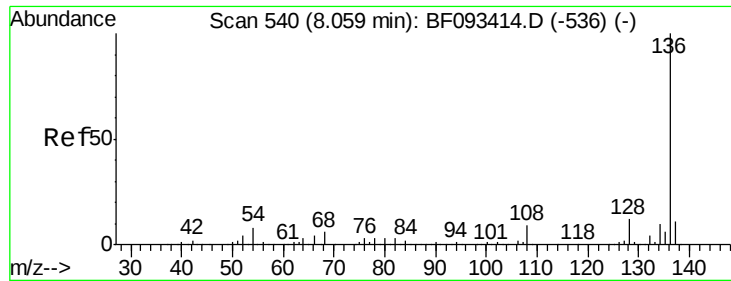


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





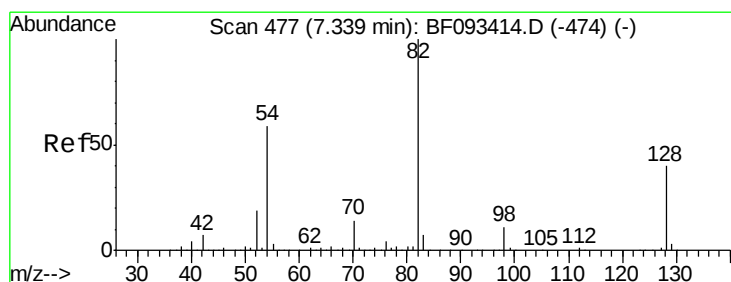
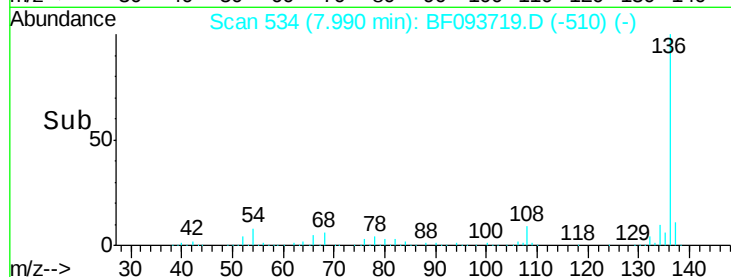
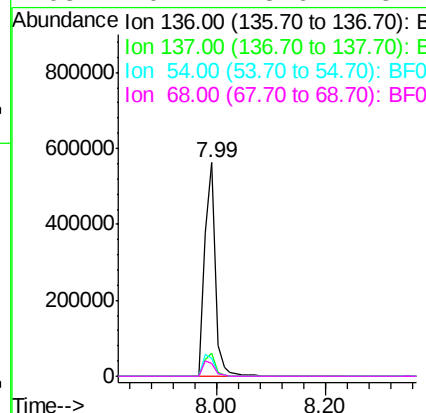
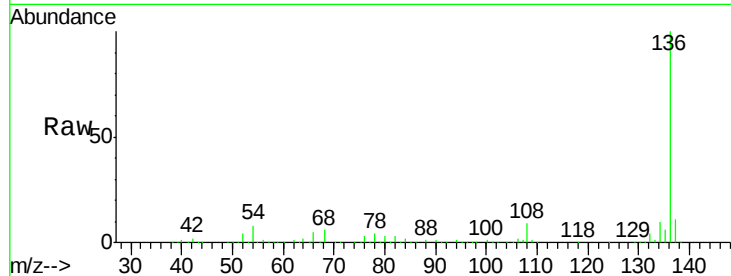
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

Tot Ion	Ratio	Resp	Lower	Upper
136	100	743327		
137	10.7		8.4	12.6
54	8.5		4.5	6.7#
68	6.1		3.6	5.4#

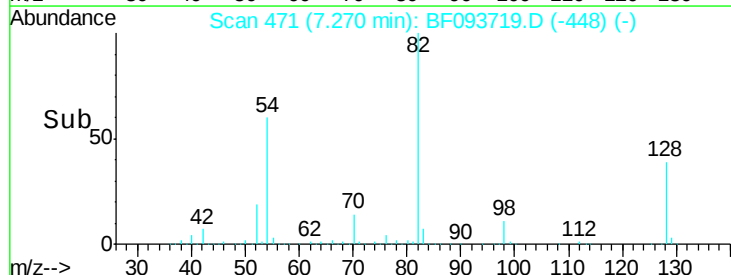
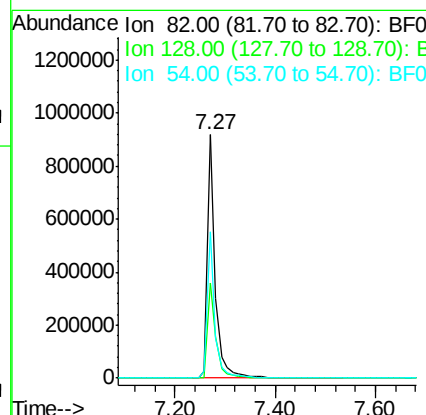
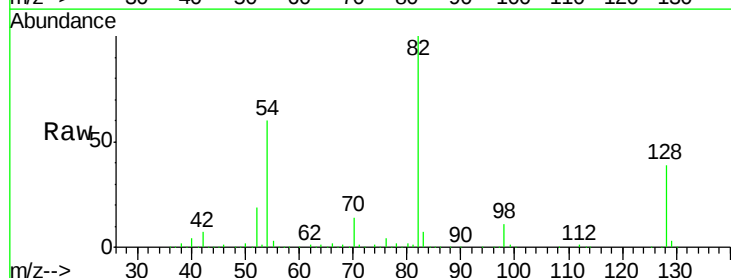
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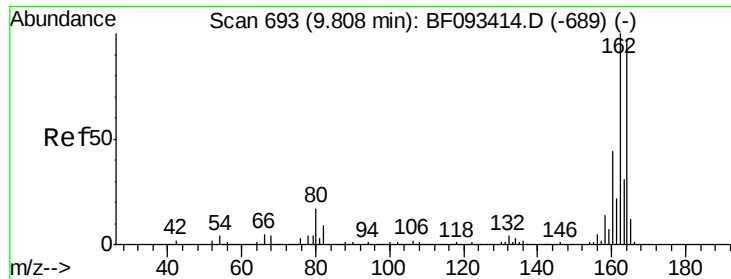
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#23
Nitrobenzene-d5
Concen: 74.49 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.03 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	998009		
128	39.1		34.6	52.0
54	60.2		39.5	59.3#





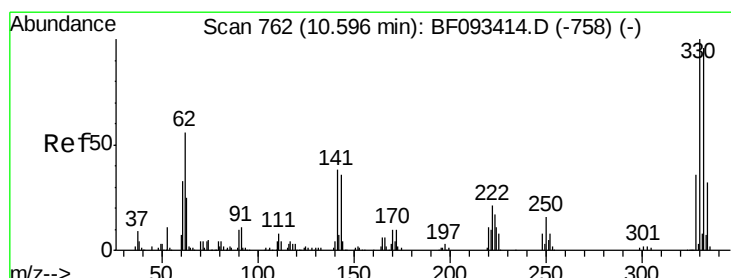
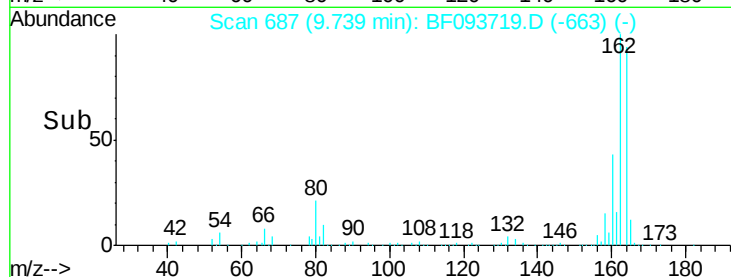
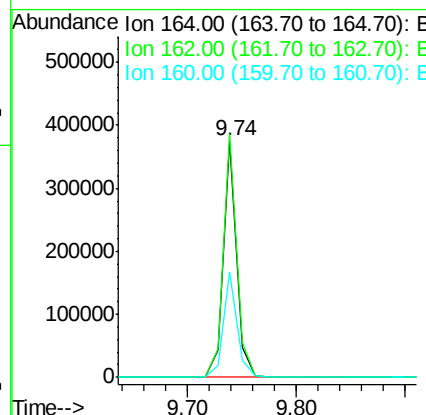
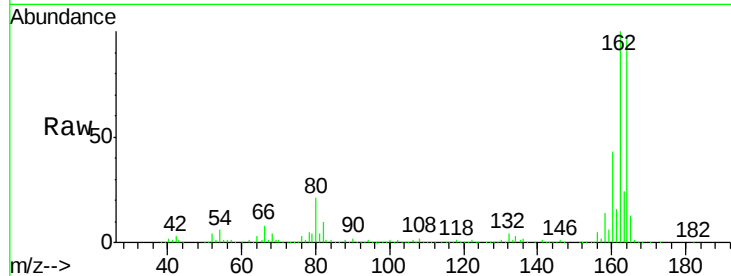
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampled :
TP7

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	80.2	120.2	
160	44.7	36.9	55.3	

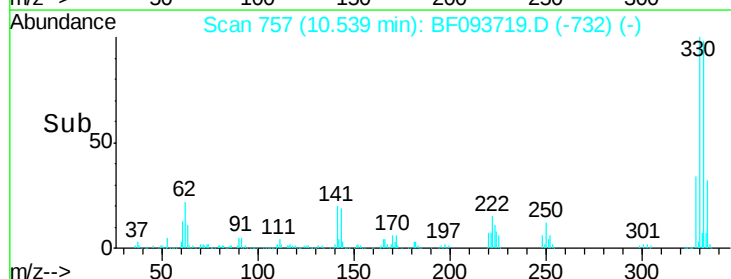
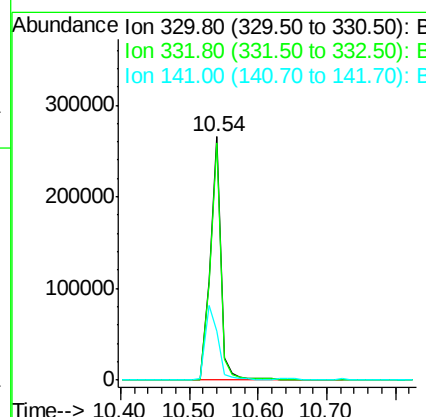
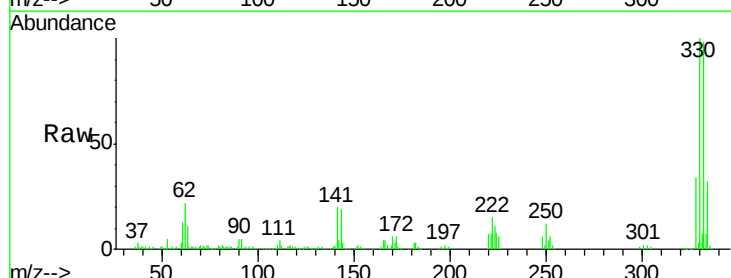
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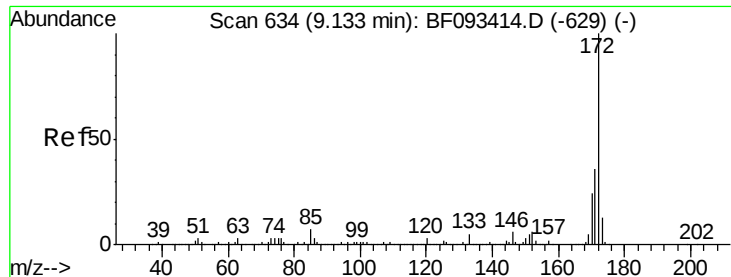
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#41
2,4,6-Tribromophenol
Concen: 136.45 ng
RT: 10.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.4	116.2	
141	34.6	34.1	51.1	





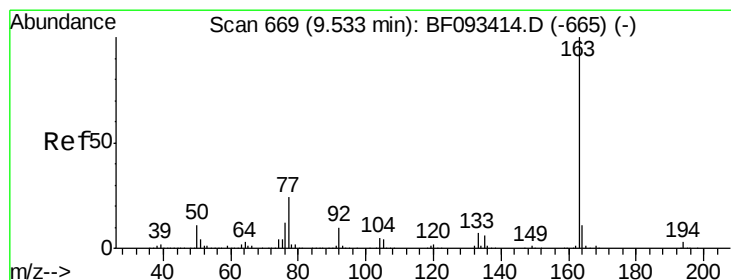
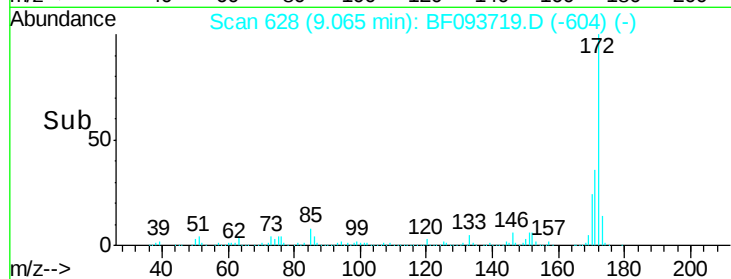
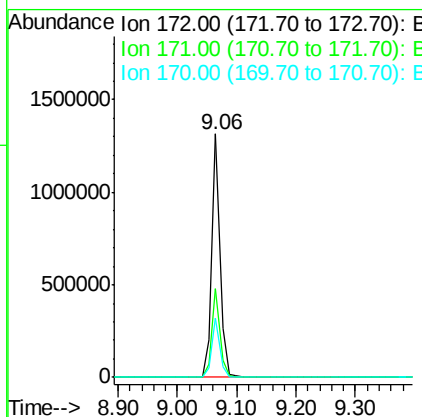
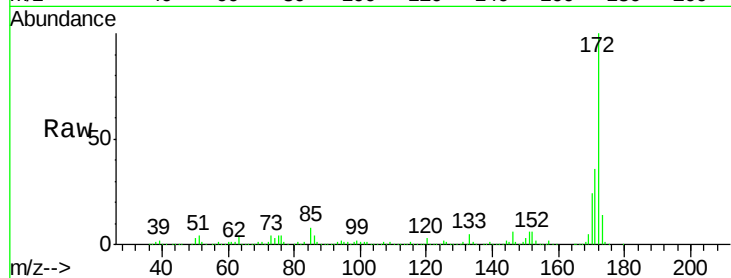
#44
2-Fluorobiphenyl
Concen: 71.80 ng
RT: 9.06 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.5	20.2	30.4

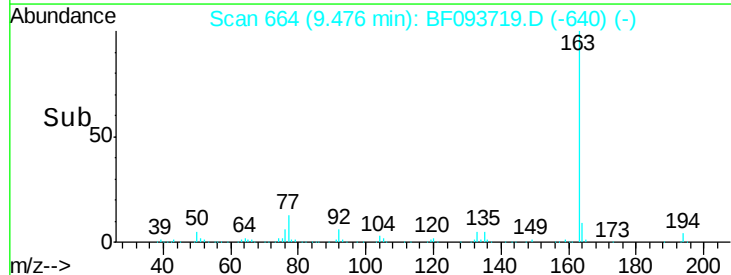
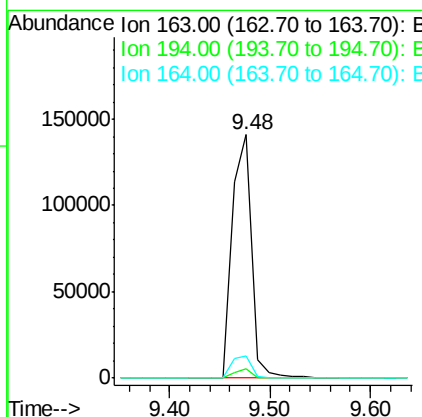
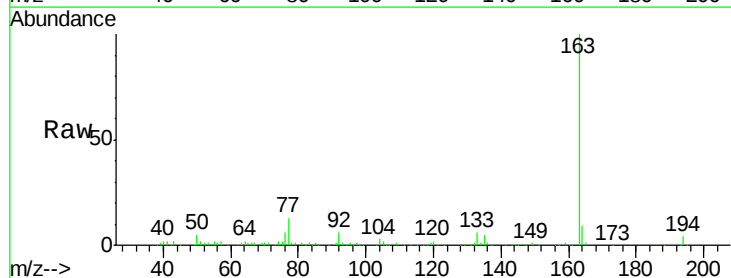
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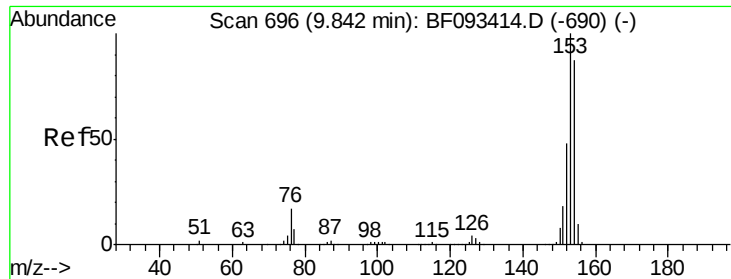
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#49
Dimethylphthalate
Concen: 8.73 ng
RT: 9.48 min Scan# 664
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.3	8.0	12.0





#51

Acenaphthene

Concen: 2.08 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Instrument :

BNA_F

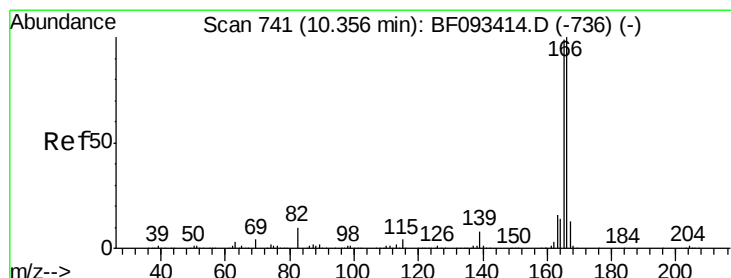
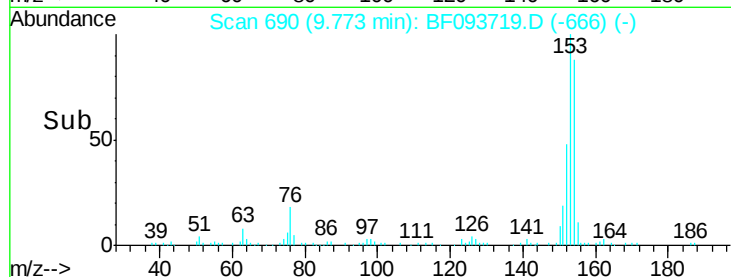
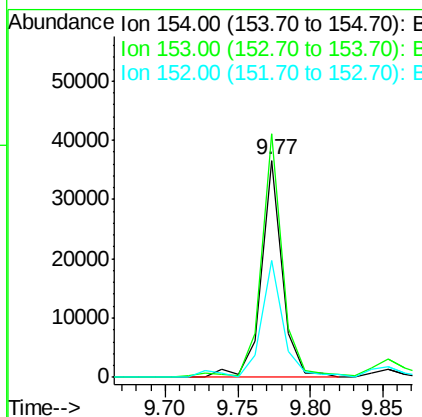
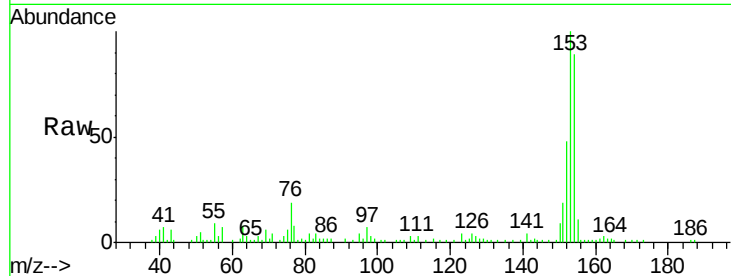
ClientSampleId :

TP7

Tot Ion:	154	Resp:	36671
Ion Ratio	Lower	Upper	
154	100		
153	112.3	88.6	133.0
152	54.0	41.6	62.4

Manual Integrations
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#57

Fluorene

Concen: 2.26 ng

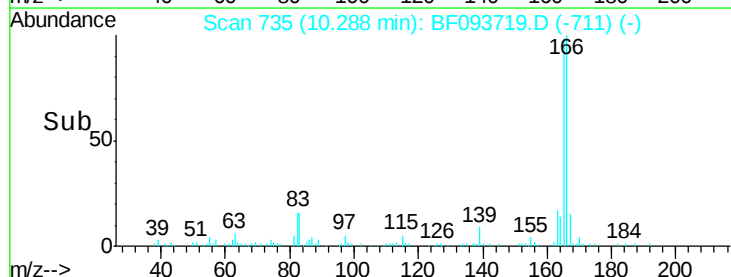
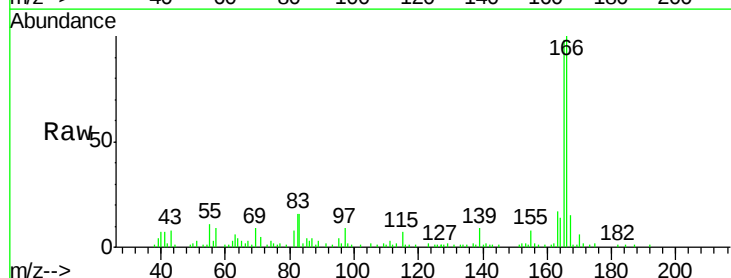
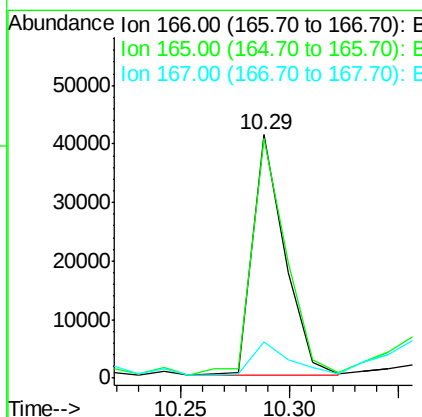
RT: 10.29 min Scan# 735

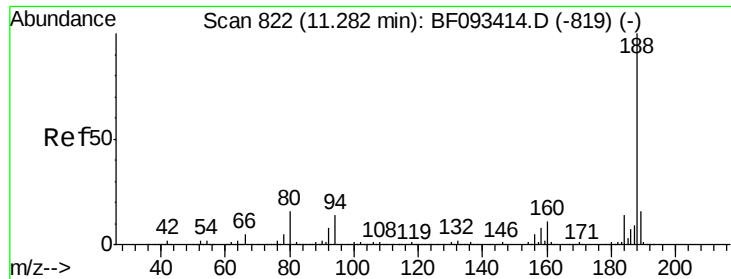
Delta R.T. -0.02 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Tgt Ion:	166	Resp:	42260
Ion Ratio	Lower	Upper	
166	100		
165	98.4	77.8	116.8
167	14.6	10.8	16.2





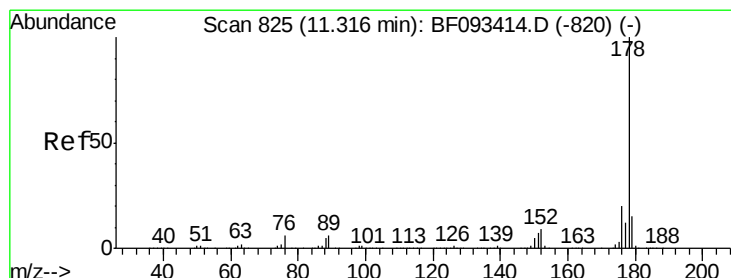
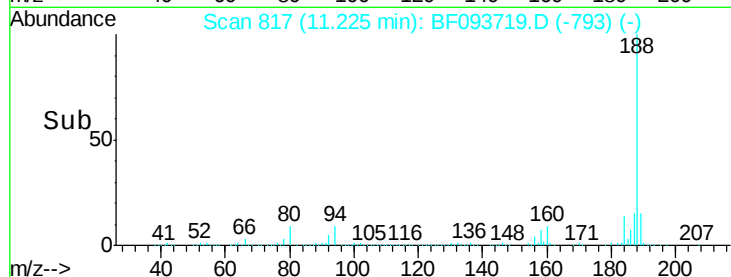
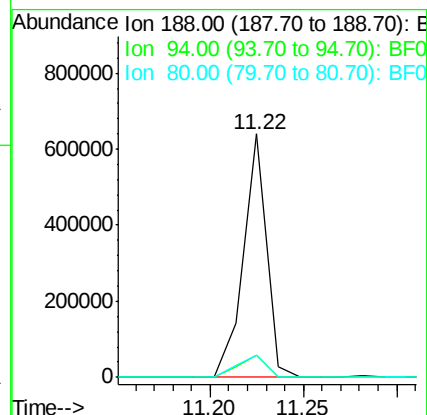
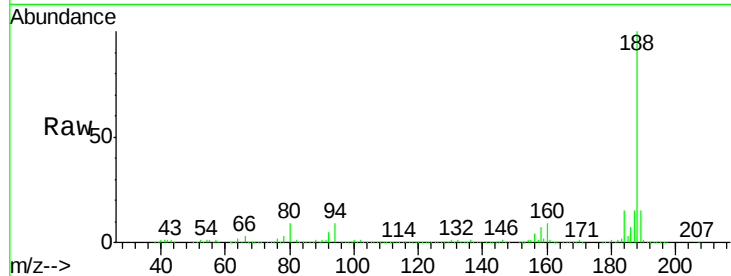
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

Tot Ion	Ratio	Resp	Lower	Upper
188	100	561801		
94	9.0	10.0	15.0#	
80	8.9	11.2	16.8#	

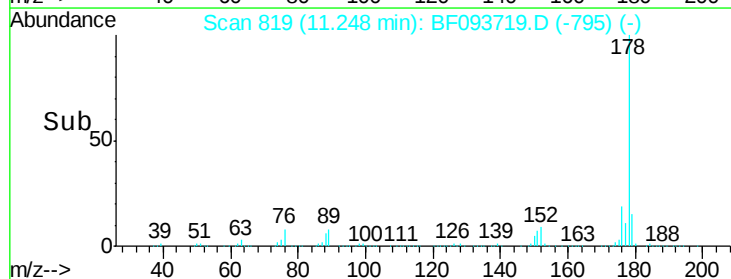
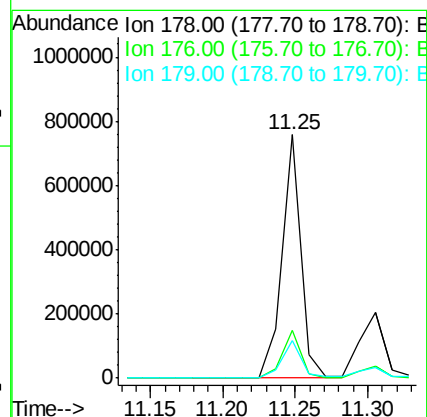
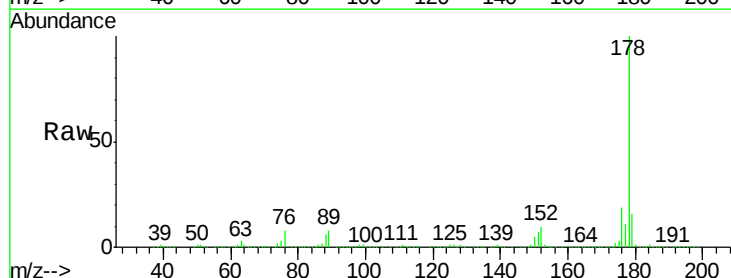
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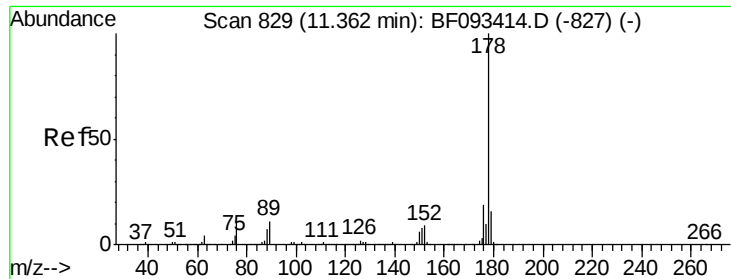
mohammad
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#70
Phenanthrene
Concen: 21.40 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	686291		
176	19.5	16.6	25.0	
179	15.5	12.8	19.2	





#71

Anthracene

Concen: 7.75 ng

RT: 11.30 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Instrument :

BNA_F

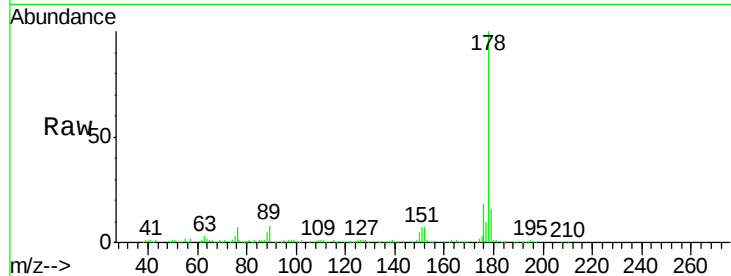
ClientSampled :

TP7

Tot Ion:	178	Resp:	251328
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.9	23.9
179	16.2	13.2	19.8

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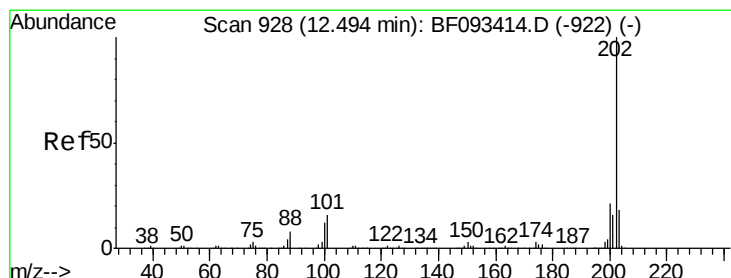
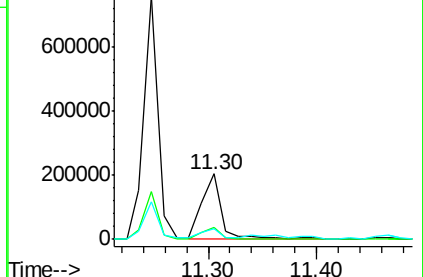
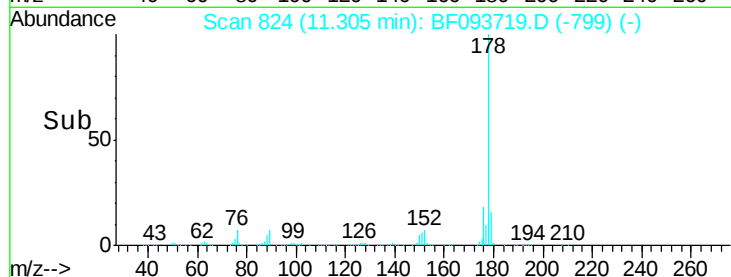
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 30.31 ng

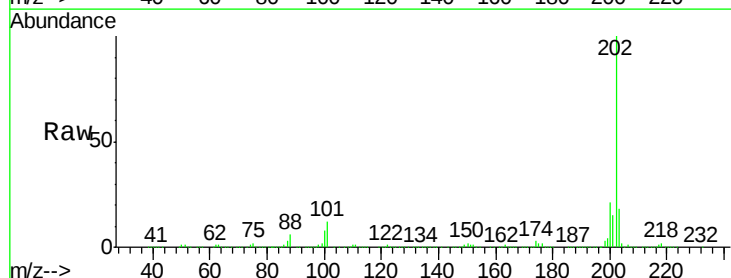
RT: 12.44 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

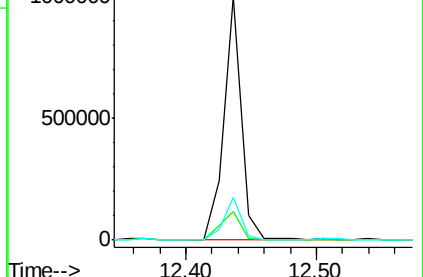
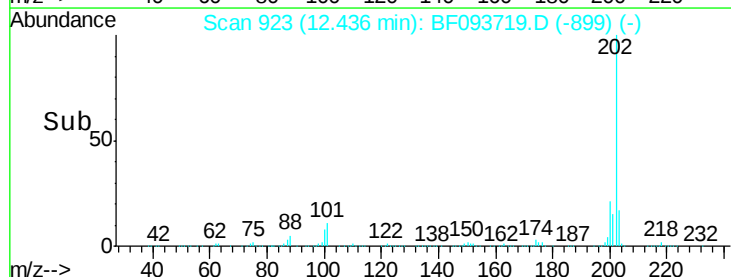
Tgt Ion:	202	Resp:	938822
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.6
203	17.6	0.0	38.7

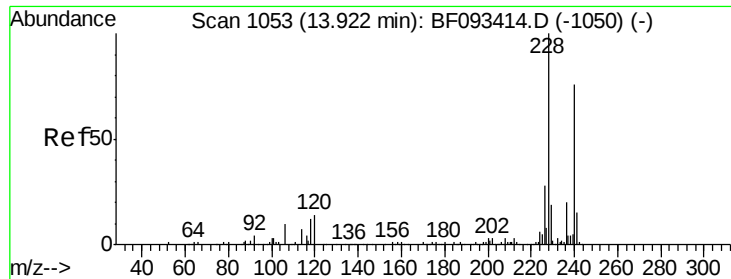


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Instrument :

BNA_F

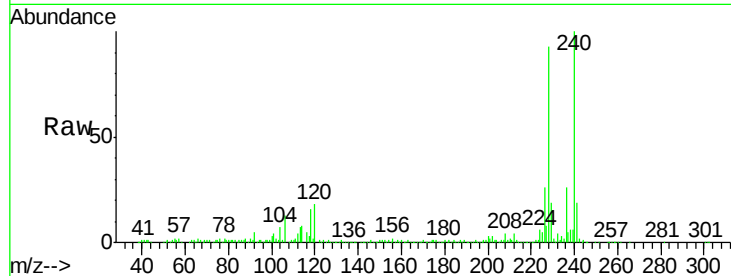
ClientSampleId :

TP7

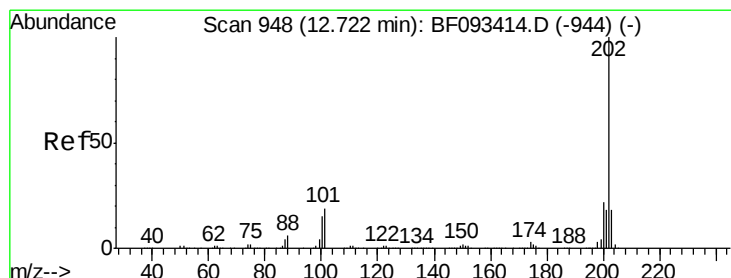
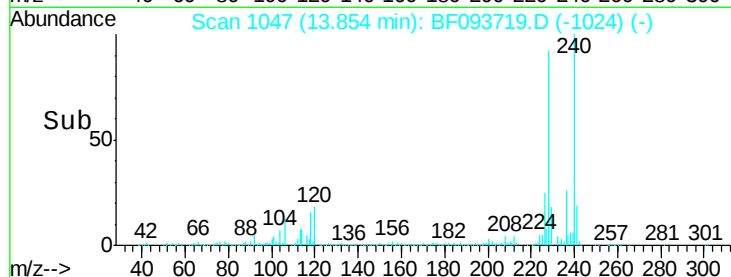
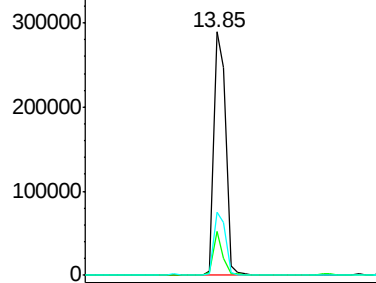
Tot Ion:	240	Resp:	387512
Ion Ratio	Lower	Upper	
240	100		
120	18.2	12.9	19.3
236	25.8	20.9	31.3

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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: 31.41 ng

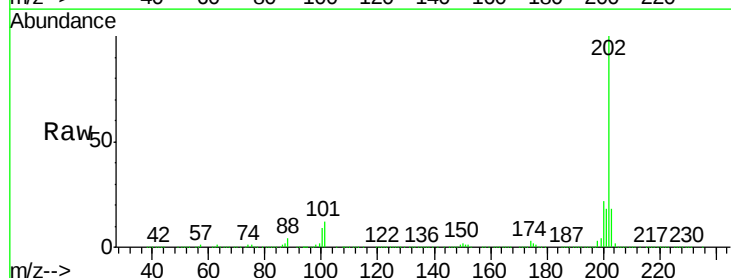
RT: 12.67 min Scan# 943

Delta R.T. -0.01 min

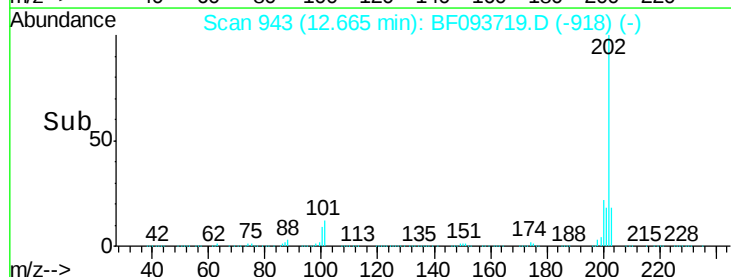
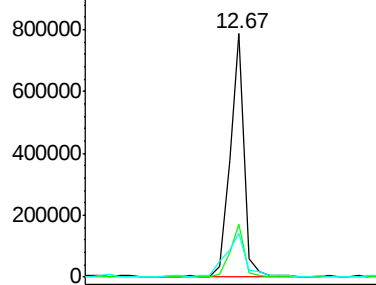
Lab File: BF093719.D

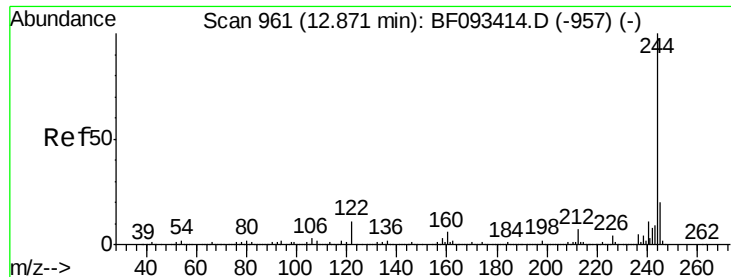
Acq: 16 Mar 2017 21:13

Tgt Ion:	202	Resp:	885183
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.0	14.7	22.1



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: 67.00 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Instrument :

BNA_F

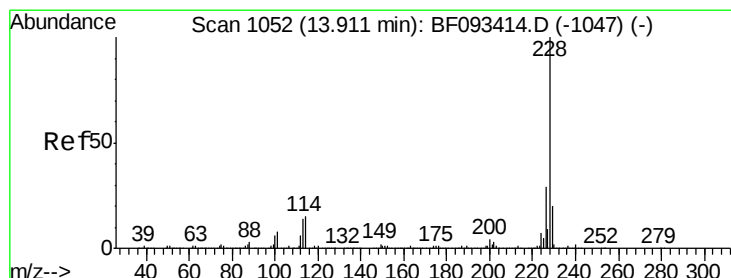
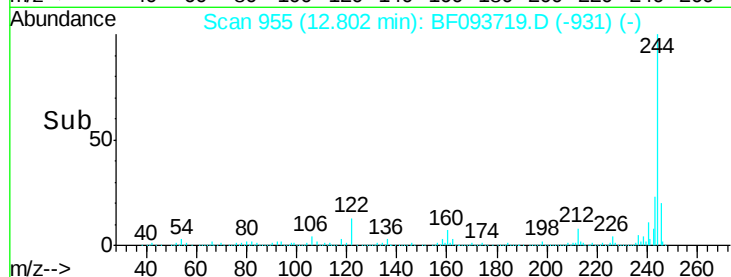
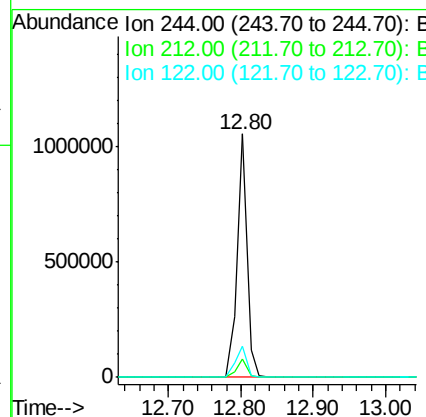
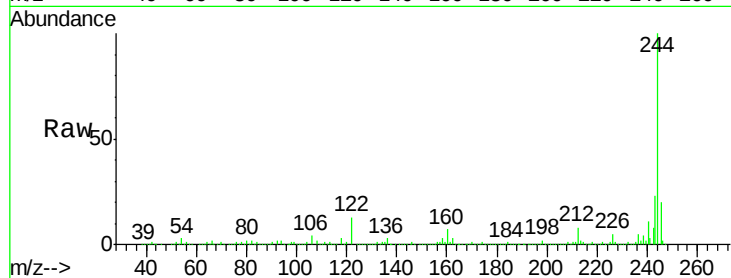
ClientSampled :

TP7

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	12.9	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 16.24 ng

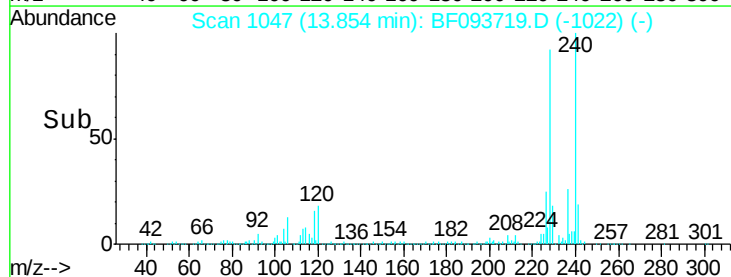
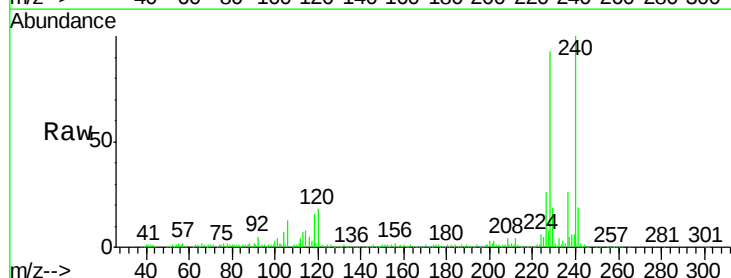
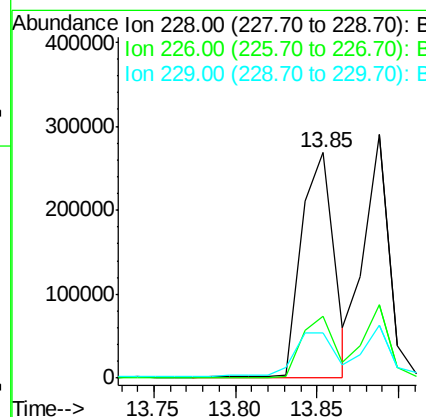
RT: 13.85 min Scan# 1047

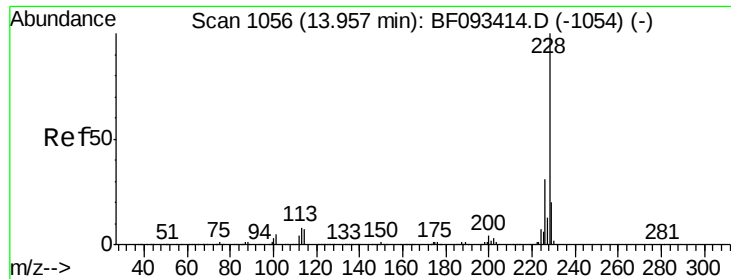
Delta R.T. -0.01 min

Lab File: BF093719.D

Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.4	33.6
229	20.2	16.2	24.4





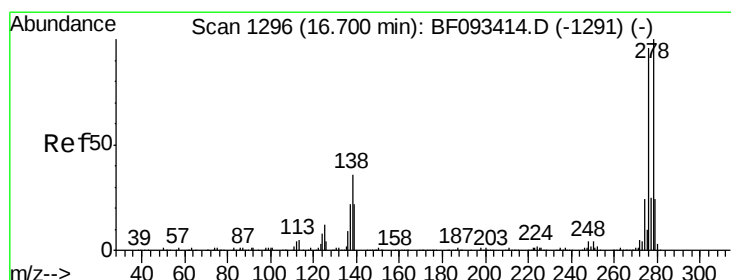
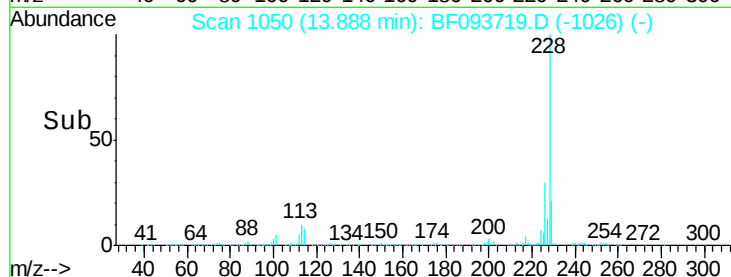
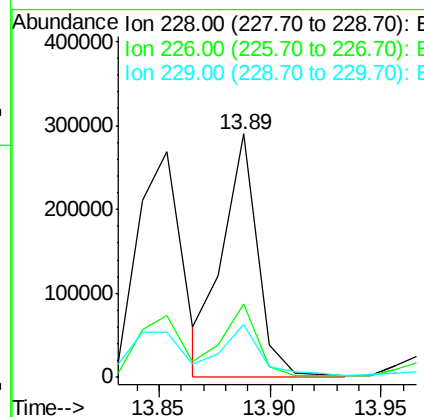
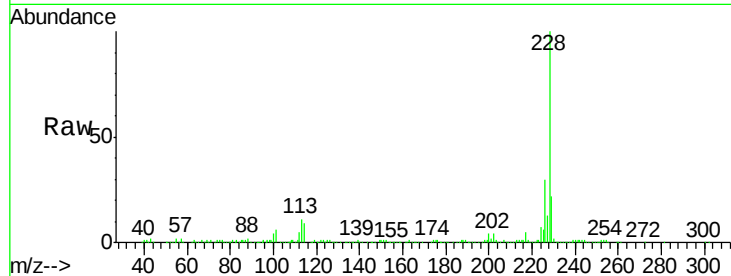
#82
Chrysene
Concen: 14.88 ng/mL
RT: 13.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

Tot Ion:	228	Resp:	314986
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.0
229	21.5	16.2	24.2

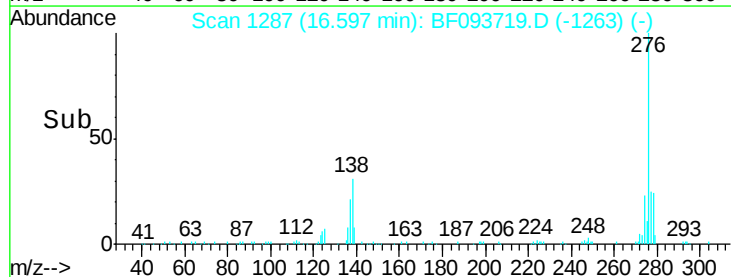
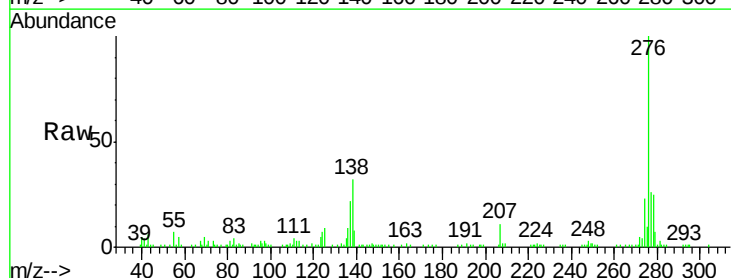
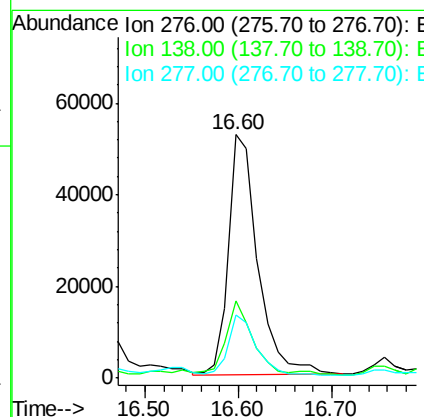
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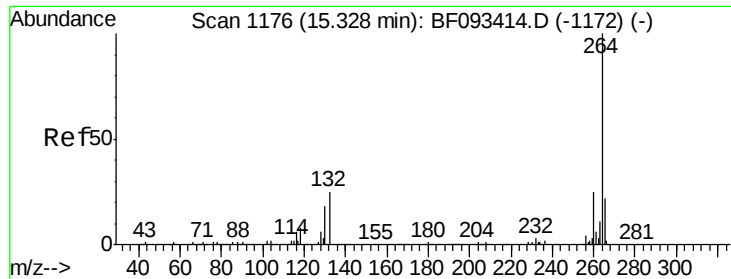
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.48 ng/mL
RT: 16.60 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion:	276	Resp:	114762
Ion Ratio	Lower	Upper	
276	100		
138	25.9	21.8	32.6
277	23.7	20.2	30.4





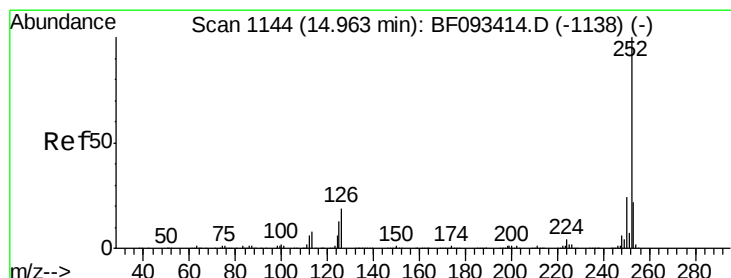
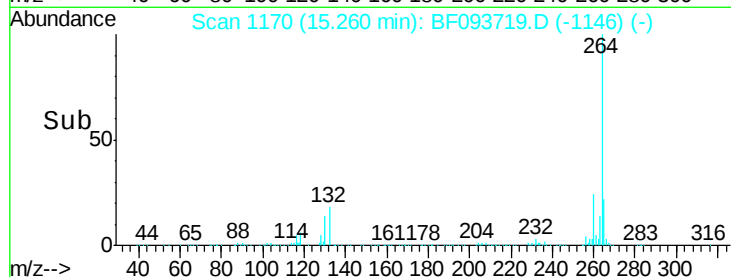
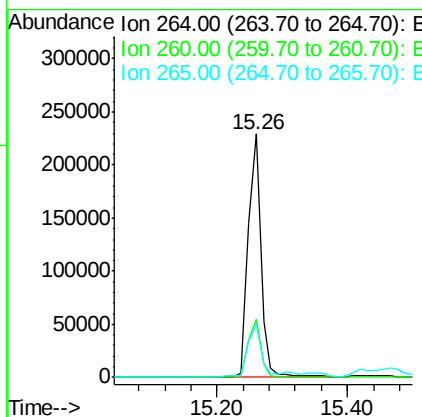
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.4	26.0

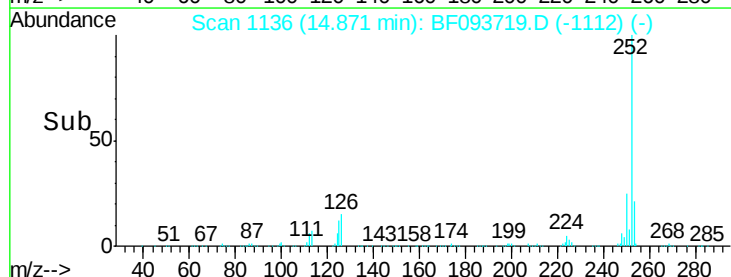
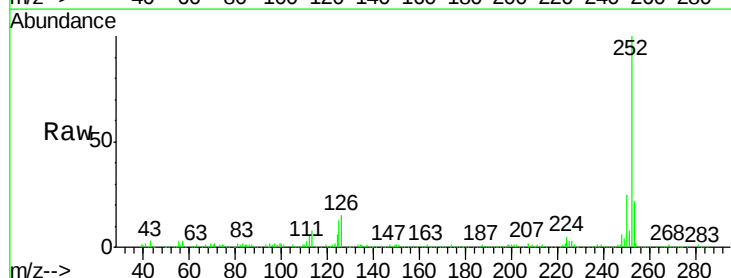
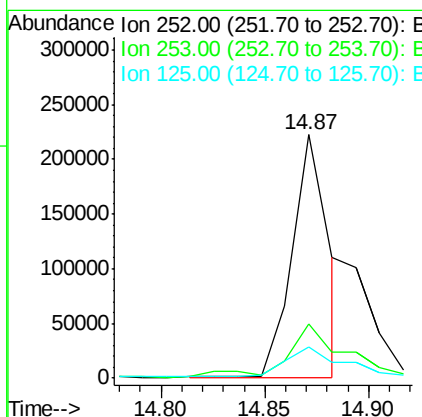
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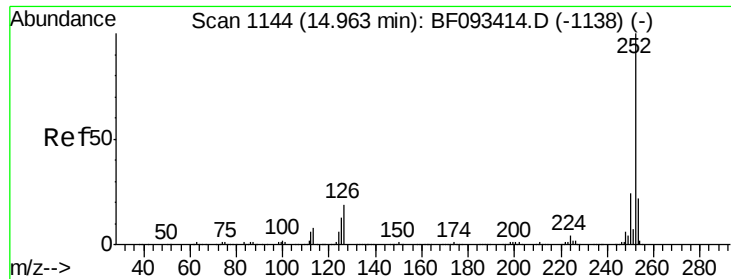
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#87
Benzo(b)fluoranthene
Concen: 14.53 ng m
RT: 14.87 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.8	9.8	14.6





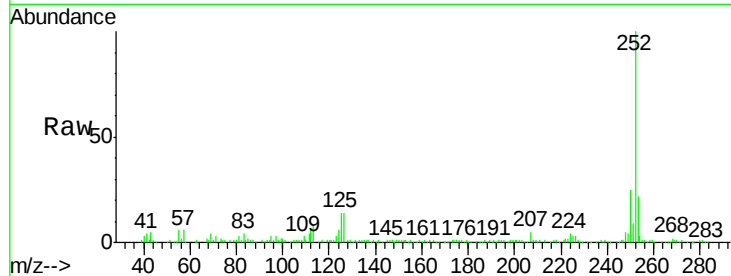
#88
Benzo(k)fluoranthene
Concen: 5.86 ng m
RT: 14.88 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

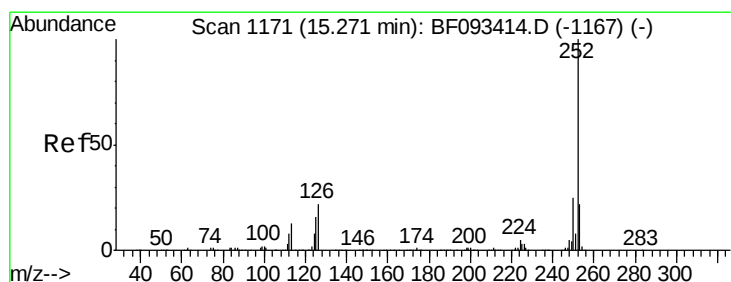
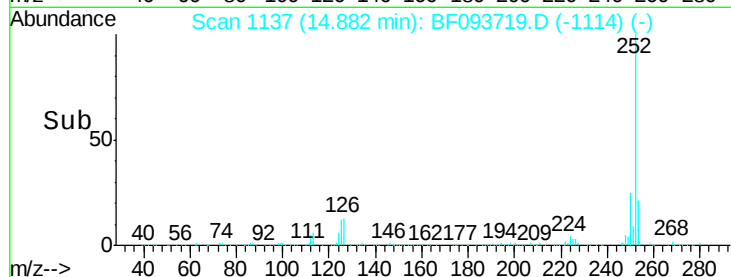
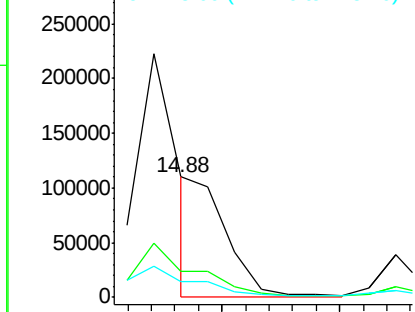
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	13.6	8.9	13.3#

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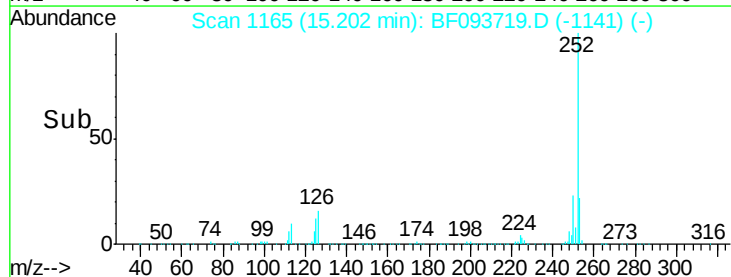
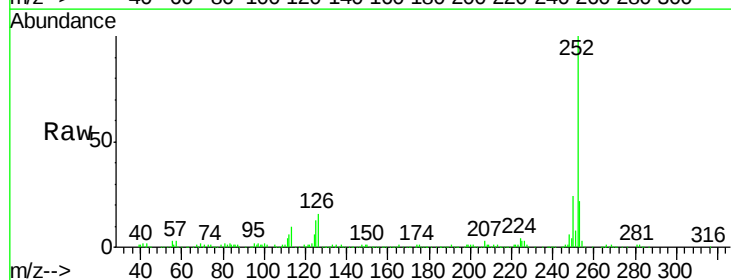
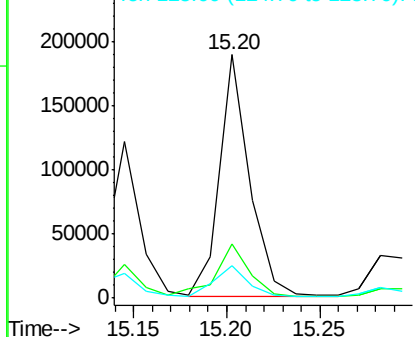
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

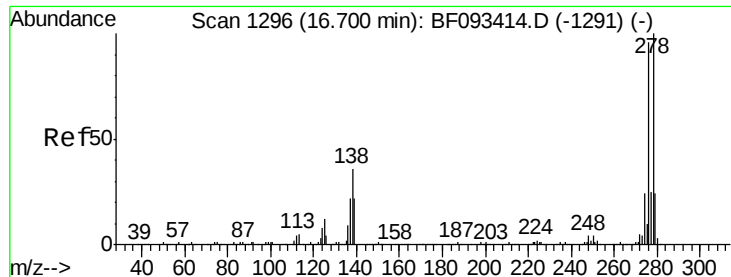


#89
Benzo(a)pyrene
Concen: 12.28 ng
RT: 15.20 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	13.1	10.0	15.0

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





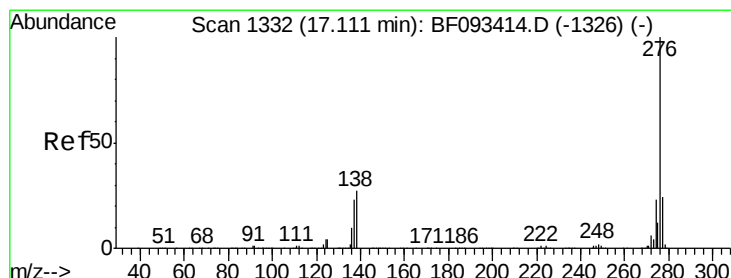
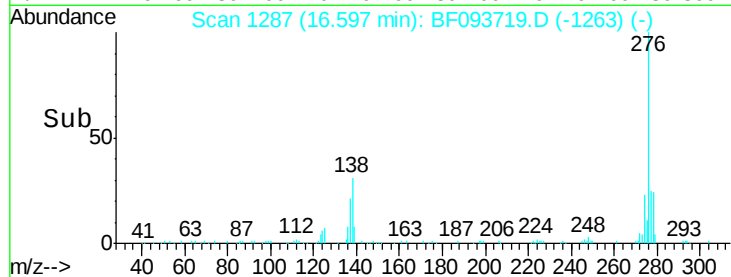
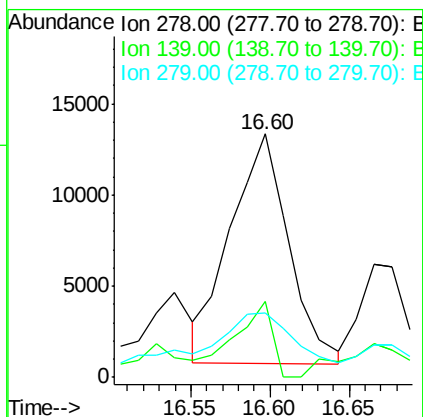
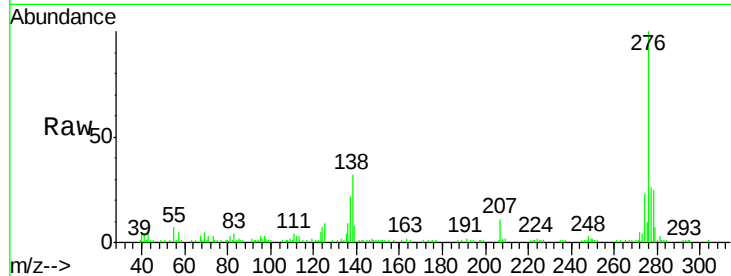
#90
Dibenzo(a,h)anthracene
Concen: 2.23 ng m
RT: 16.60 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP7

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.0	14.8	22.2#
279	26.6	19.8	29.6

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#91
Benzo(g,h,i)perylene
Concen: 7.46 ng
RT: 17.01 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF093719.D
Acq: 16 Mar 2017 21:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	29.9	16.0	24.0#

