

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100534.D
 Acq On : 14 Nov 2017 9:26
 Operator : SJ/JU
 Sample : I6409-01DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-01DL

Manual Integrations
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SOHIL
 11/14/2017 5:20:47 PM

Quant Time: Nov 14 11:06:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 02:37:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	137286	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	507250	20.00	ng	-0.02
38) Acenaphthene-d10	9.93	164	192359	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	285773	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	270262	20.00	ng	-0.02
86) Perylene-d12	15.53	264	210431	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	405803	47.38	ng	0.00
7) Phenol-d6	6.51	99	502226	47.55	ng	-0.01
23) Nitrobenzene-d5	7.45	82	294364	38.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.71	330	82707	42.19	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	399738	31.64	ng	-0.02
78) Terphenyl-d14	12.99	244	231487	19.68	ng	-0.02
Target Compounds						
10) Phenol	6.52	94	24493	2.209	ng	Qvalue 97
31) Naphthalene	8.19	128	50581	2.070	ng	99
48) Acenaphthylene	9.79	152	65171	3.258	ng	99
49) Dimethylphthalate	9.63	163	37254	2.537	ng	# 98
57) Fluorene	10.47	166	26255	2.102	ng	# 94
70) Phenanthrene	11.44	178	378503	25.156	ng	99
71) Anthracene	11.49	178	137107	8.982	ng	100
74) Fluoranthene	12.63	202	917316	57.525	ng	98
77) Pyrene	12.86	202	847045	43.967	ng	100
80) Benzo(a)anthracene	14.04	228	565004	34.716	ng	96
82) Chrysene	14.08	228	488961	31.025	ng	98
85) Indeno(1,2,3-cd)pyrene	17.02	276	156383	12.268	ng	# 91
87) Benzo(b)fluoranthene	15.10	252	504930m	40.502	ng	
88) Benzo(k)fluoranthene	15.12	252	161530m	13.713	ng	
89) Benzo(a)pyrene	15.47	252	324679	29.376	ng	98
90) Dibenzo(a,h)anthracene	17.02	278	42468	4.698	ng	93
91) Benzo(a,h,i)perylene	17.47	276	138635	15.669	ng	# 93

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

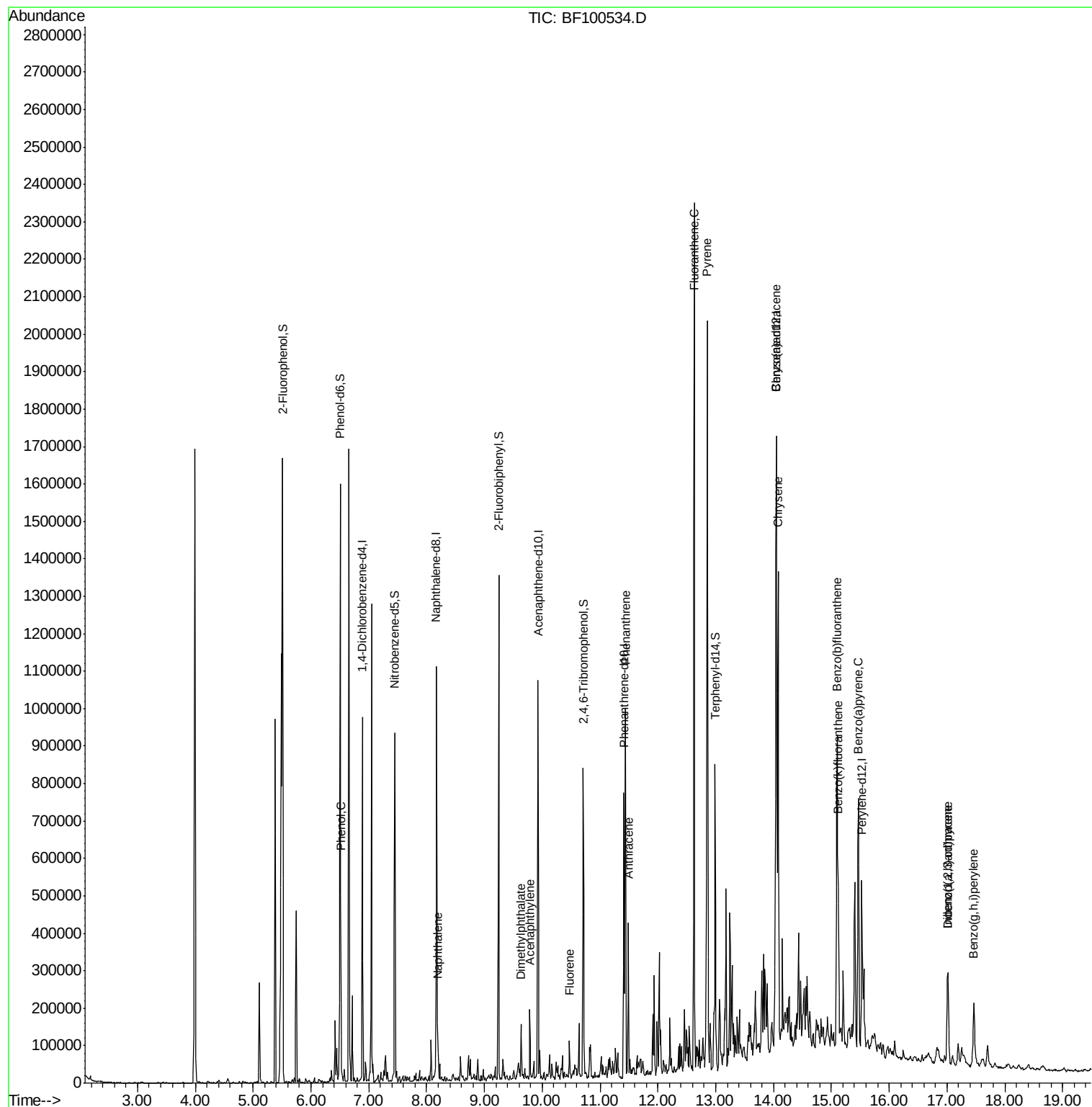
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100534.D
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ALS Vial : 37 Sample Multiplier: 1

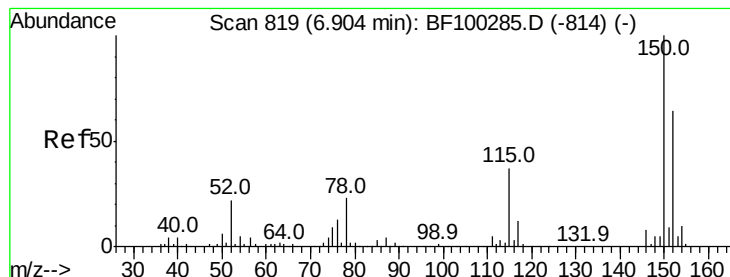
Instrument :
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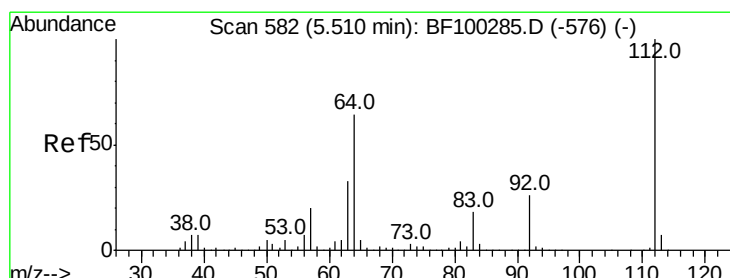
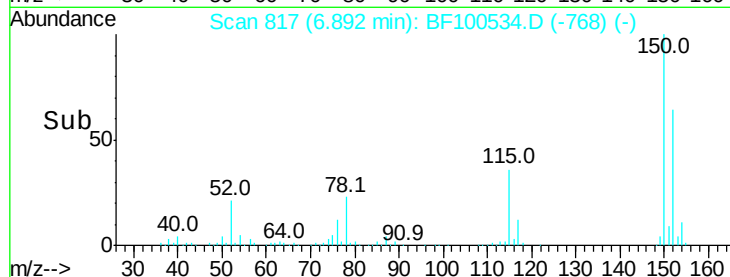
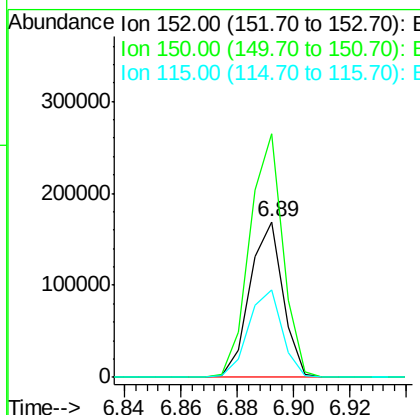
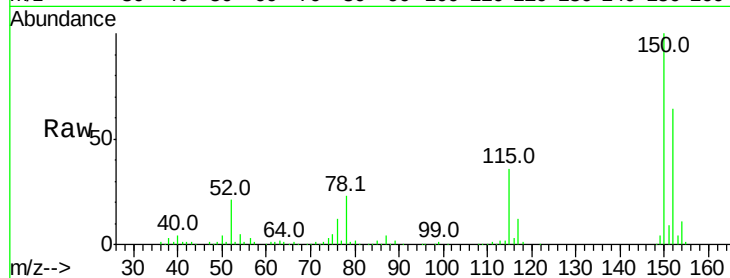
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	56.6	50.1	75.1

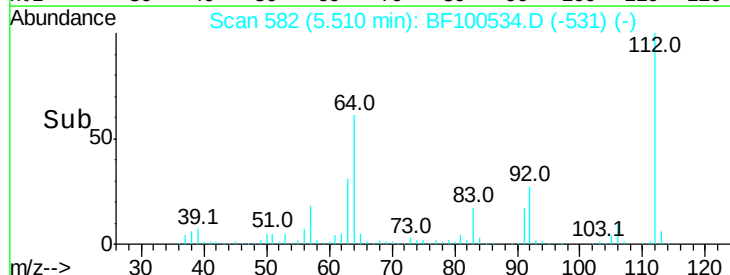
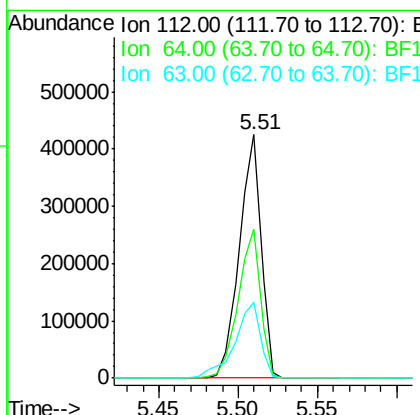
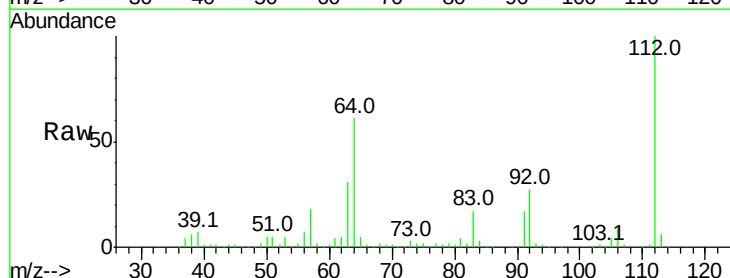
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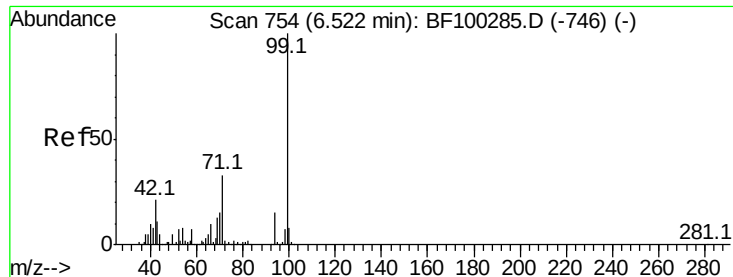
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#5
 2-Fluorophenol
 Concen: 47.383 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 47.555 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

Instrument :

BNA_F

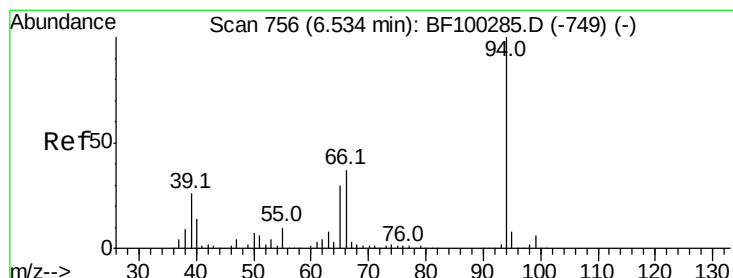
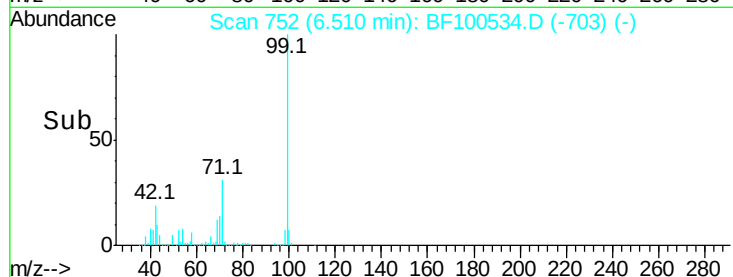
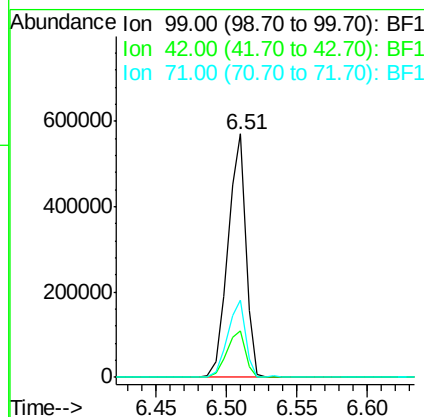
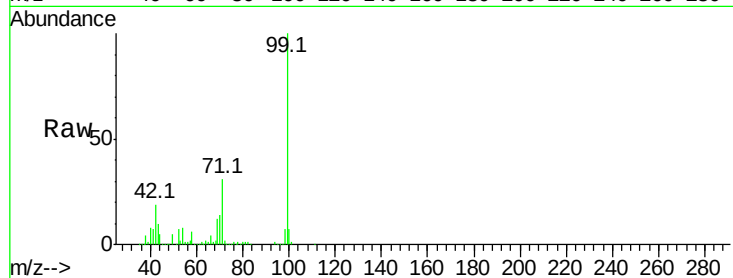
ClientSampleId :

MH-110917-01DL

Tot Ion:	99	Resp:	502226
Ion Ratio	Lower	Upper	
99	100		
42	19.3	14.5	21.7
71	31.5	25.4	38.0

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#10

Phenol

Concen: 2.209 ng

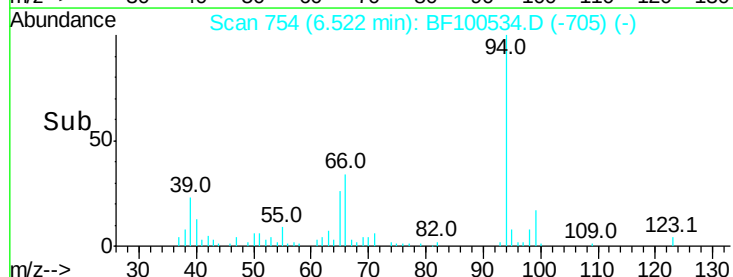
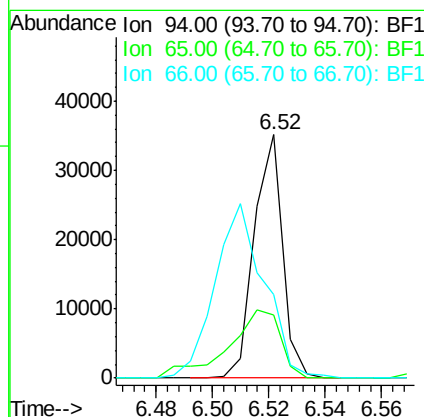
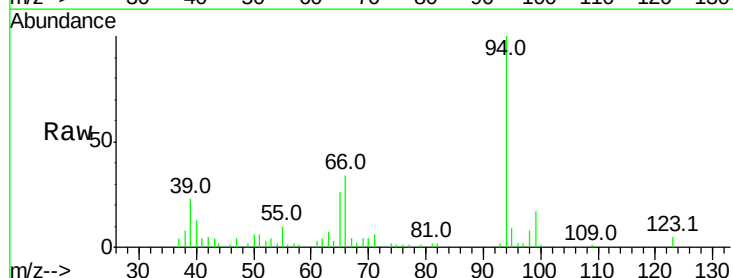
RT: 6.52 min Scan# 754

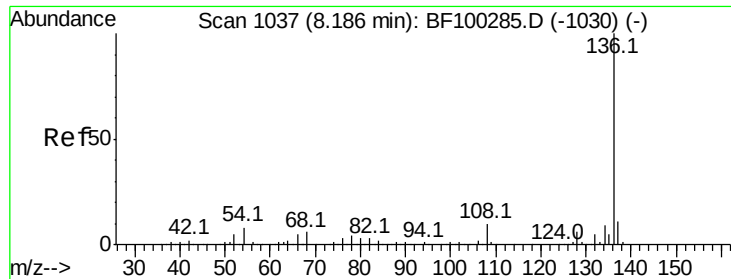
Delta R.T. -0.01 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

Tgt Ion:	94	Resp:	24493
Ion Ratio	Lower	Upper	
94	100		
65	25.9	7.9	47.9
66	34.4	16.2	56.2





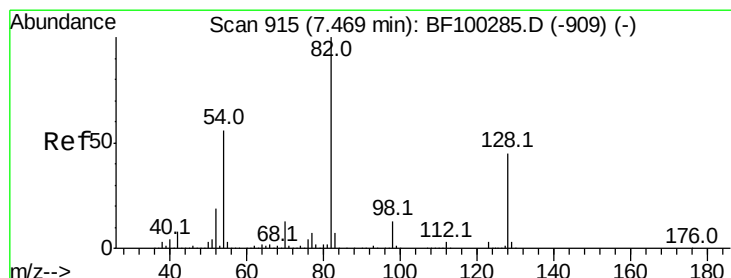
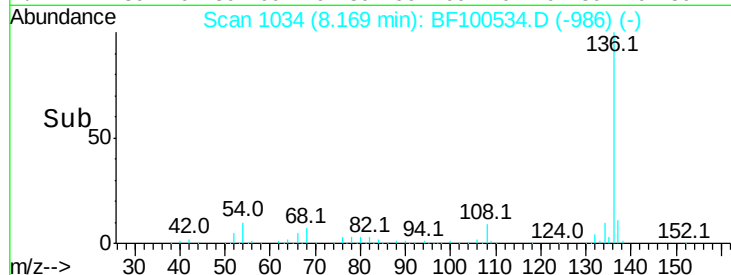
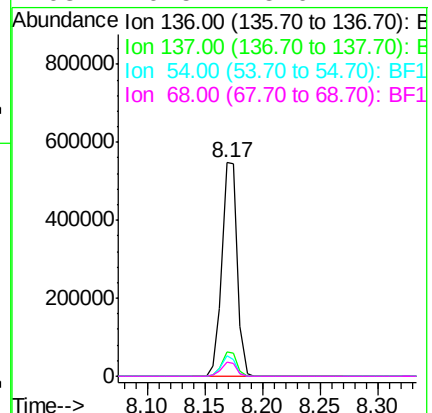
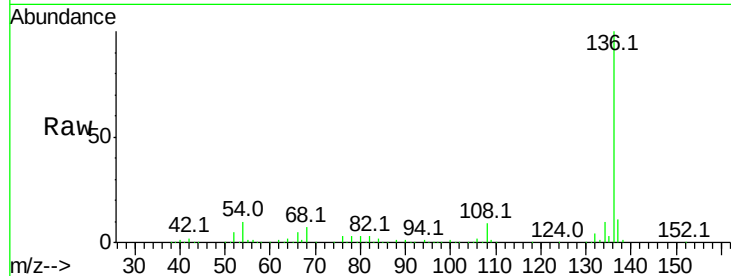
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampleId :
MH-110917-01DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	9.6	6.6	9.8	
68	6.5	5.0	7.4	

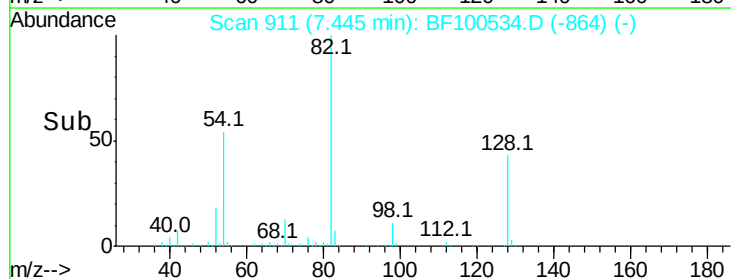
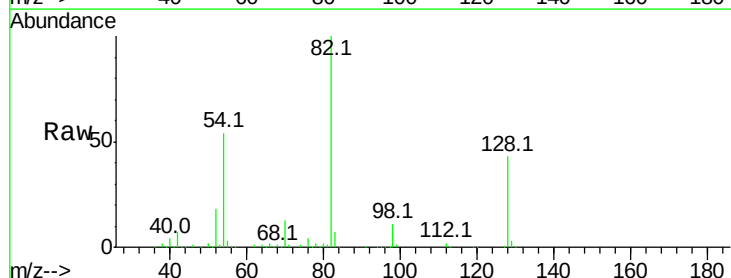
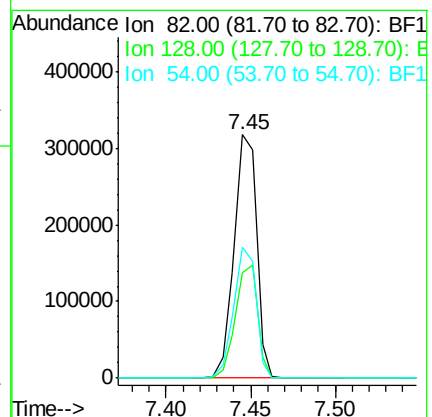
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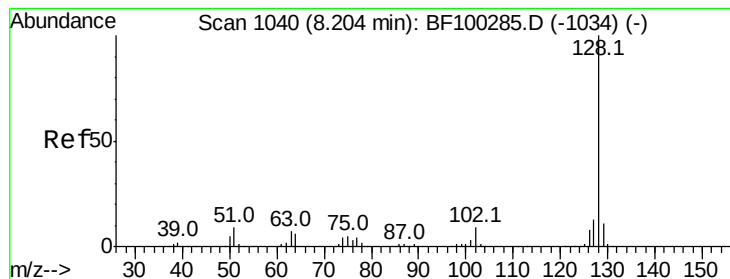
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#23
Nitrobenzene-d5
Concen: 38.366 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	36.1	54.1	
54	53.8	41.4	62.2	





#31

Naphthalene

Concen: 2.070 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

Instrument :

BNA_F

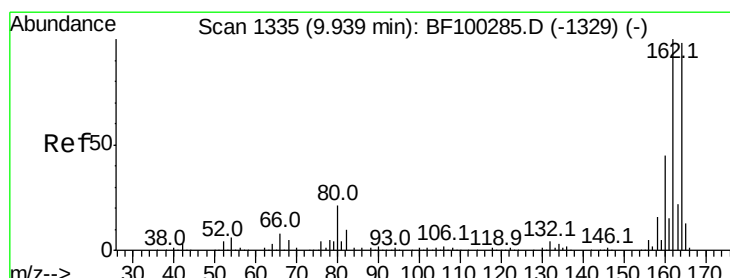
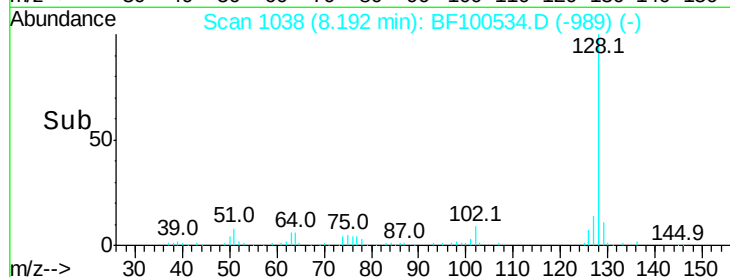
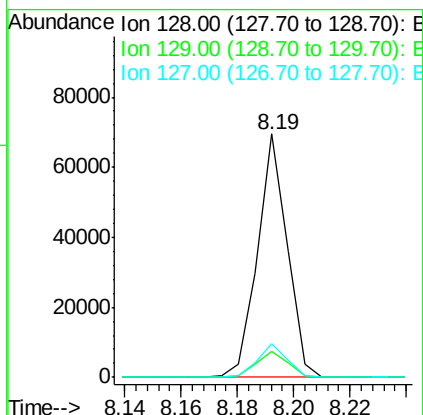
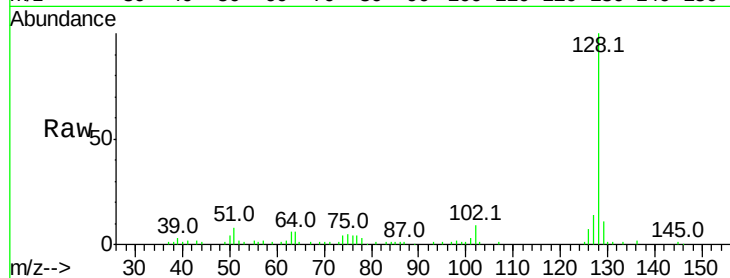
ClientSampleId :

MH-110917-01DL

Tot Ion:	128	Resp:	50581
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.8	13.2
127	13.9	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

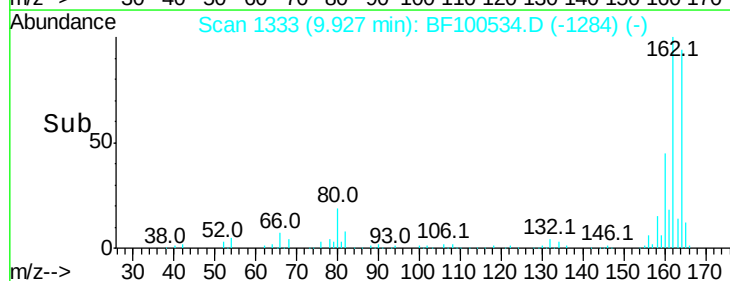
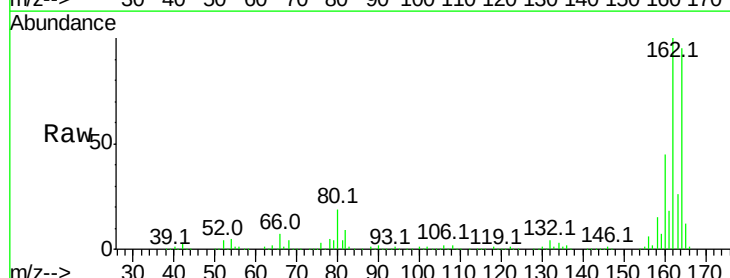
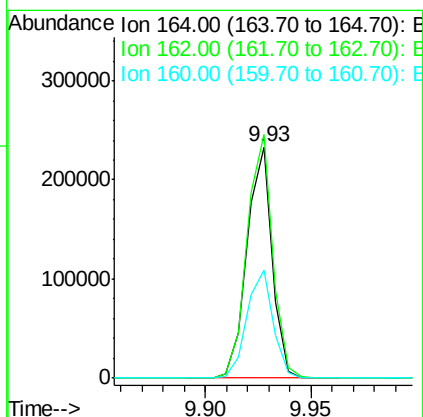
RT: 9.93 min Scan# 1333

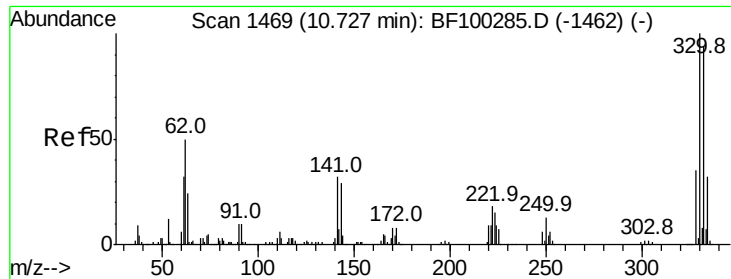
Delta R.T. -0.01 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

Tgt Ion:	164	Resp:	192359
Ion Ratio	Lower	Upper	
164	100		
162	105.3	86.1	129.1
160	46.9	38.3	57.5





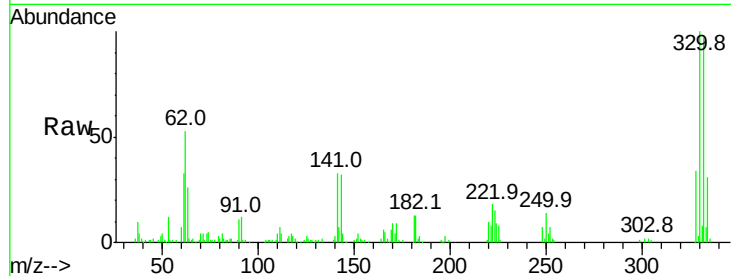
#41
 2,4,6-Tribromophenol
 Concen: 42.194 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.02 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-01DL

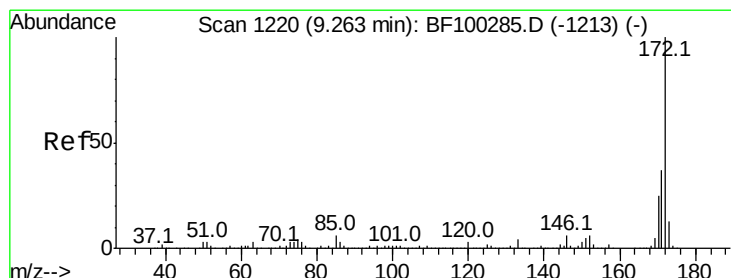
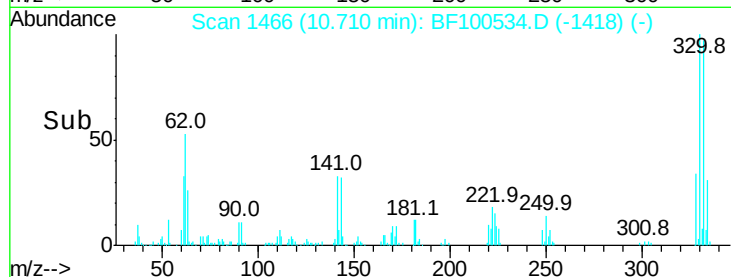
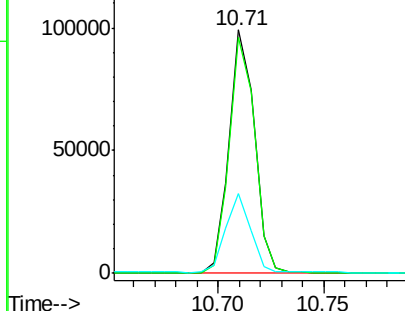
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	31.1	29.9	44.9

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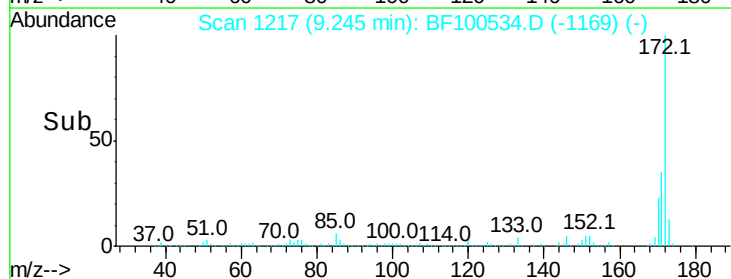
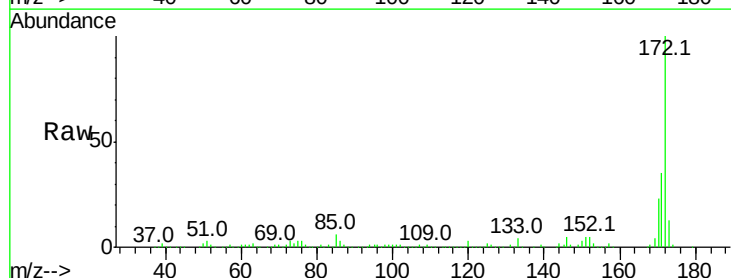
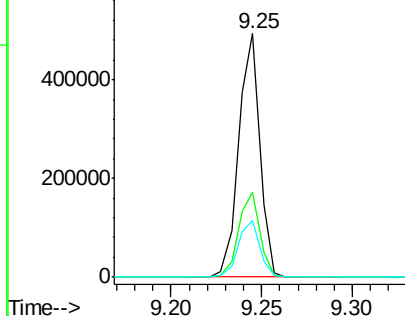
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 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

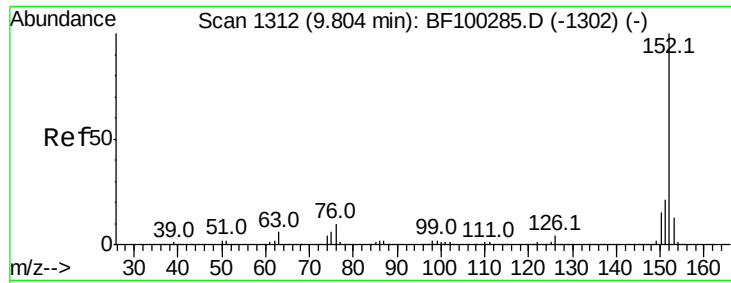


#44
 2-Fluorobiphenyl
 Concen: 31.643 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.3	19.6	29.4

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





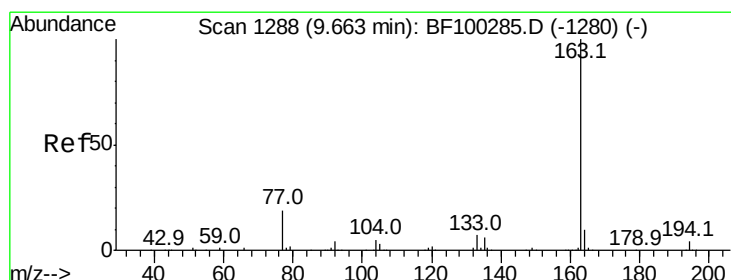
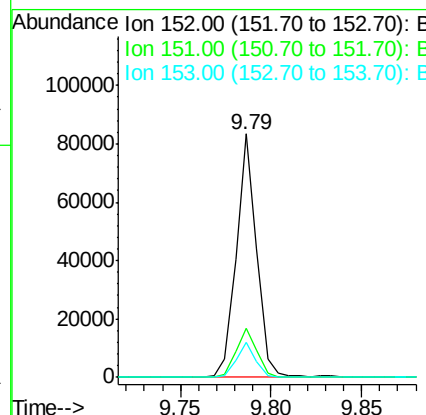
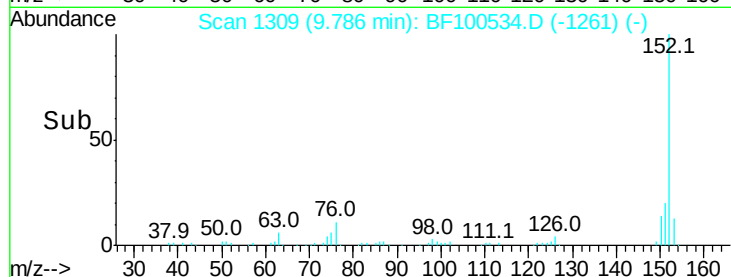
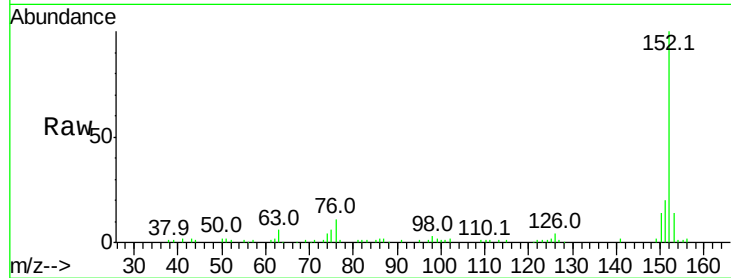
#48
Acenaphthylene
Concen: 3.258 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampleId :
MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	14.1	10.7	16.1

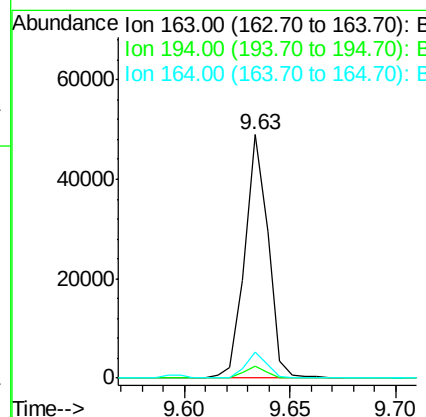
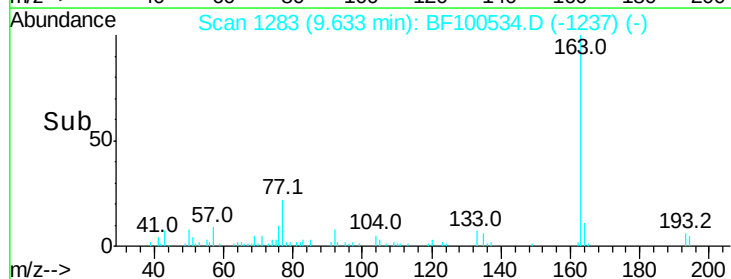
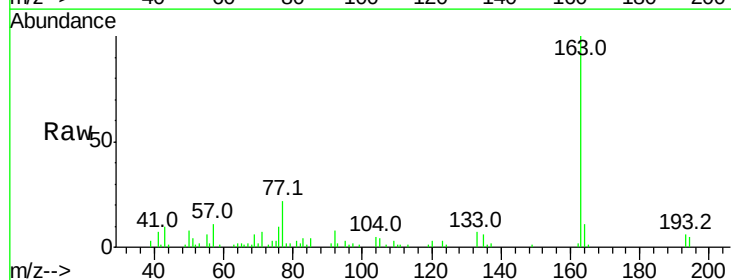
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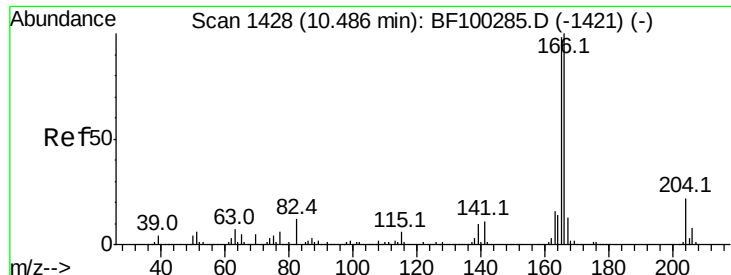
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#49
Dimethylphthalate
Concen: 2.537 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.03 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	2.7	4.1#
164	10.7	8.2	12.2





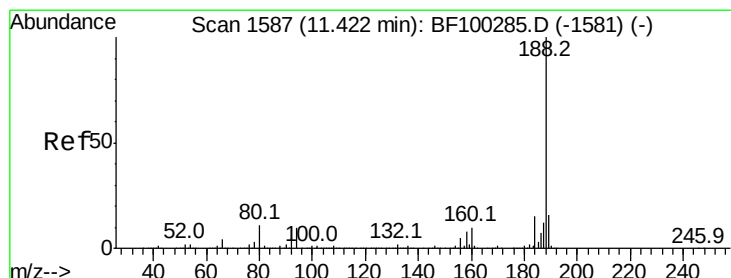
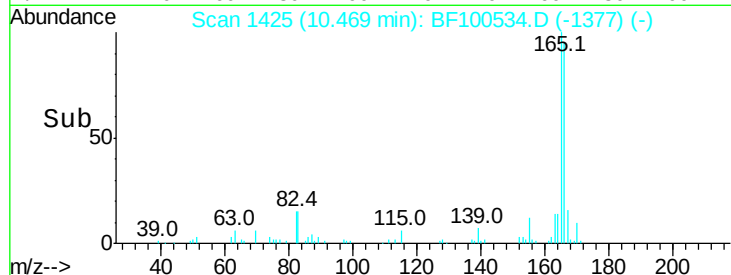
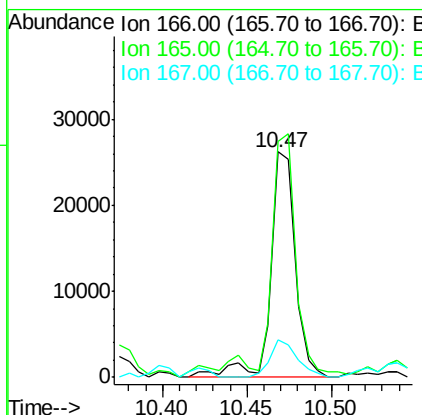
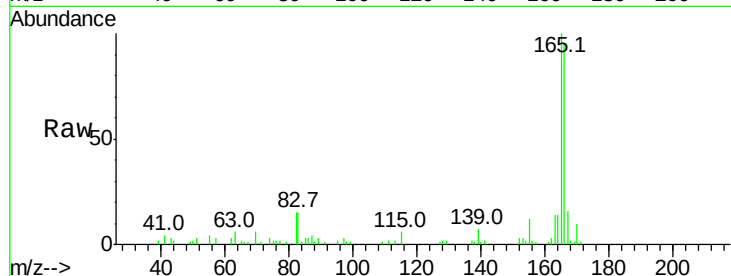
#57
Fluorene
 Concen: 2.102 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-01DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	105.0	79.8	119.8	
167	16.7	10.6	16.0	

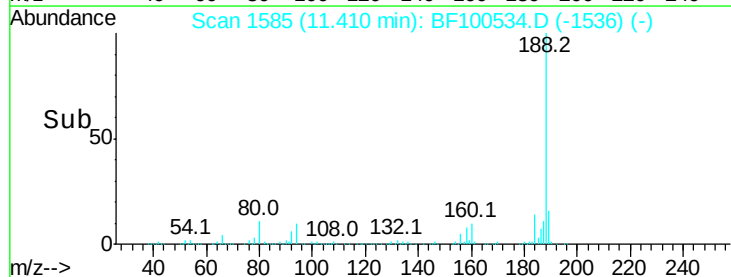
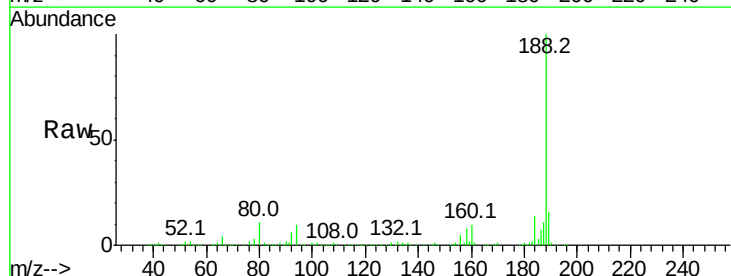
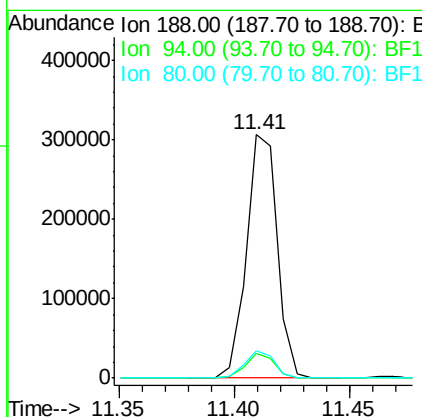
Manual Integrations
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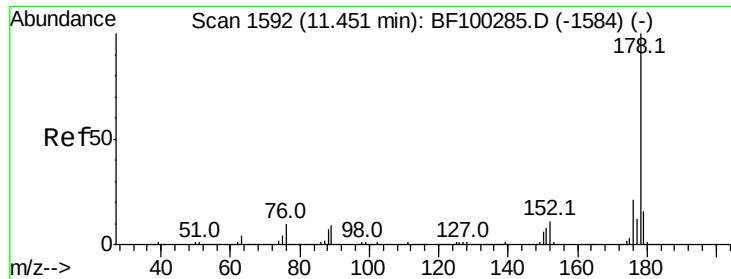
SOHIL
 11/14/2017 5:20:47 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.9	8.5	12.7	
80	11.5	9.2	13.8	





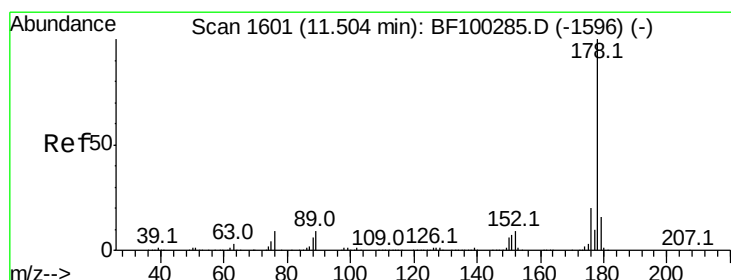
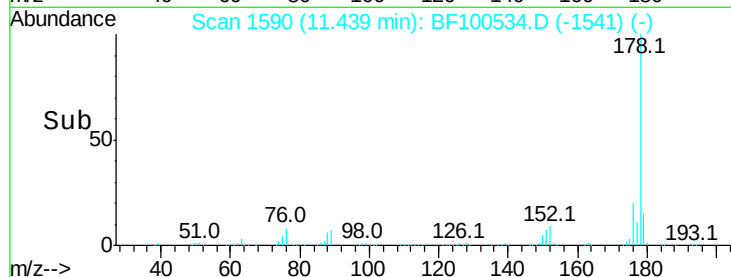
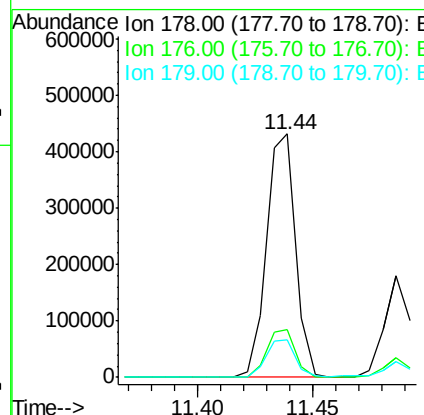
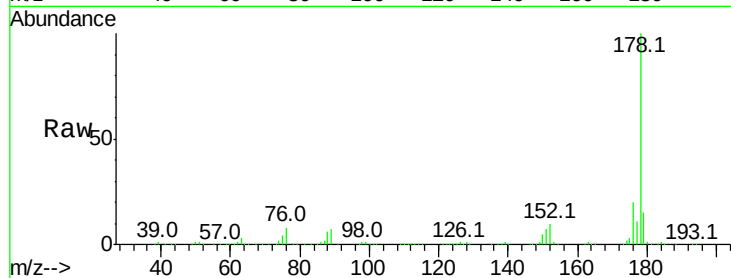
#70
Phenanthrene
Concen: 25.156 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampleId :
MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.4	13.0	19.6

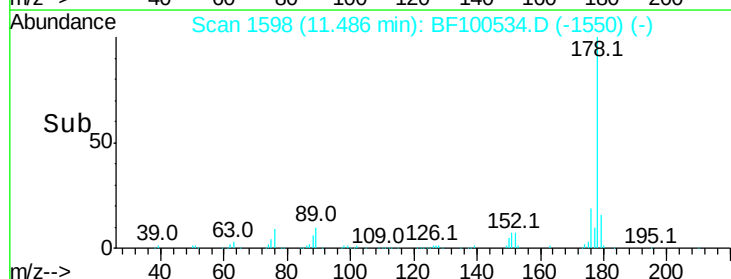
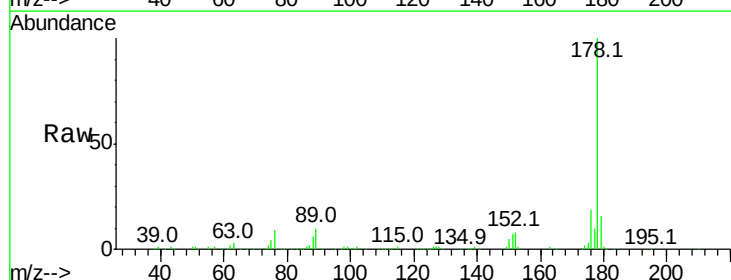
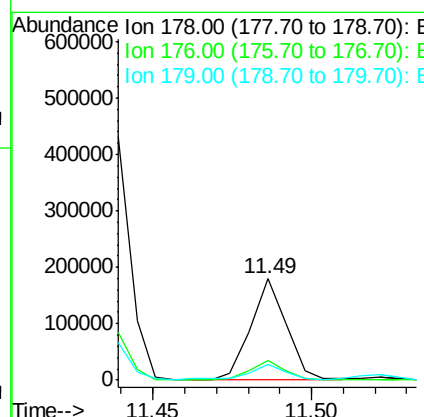
Manual Integrations
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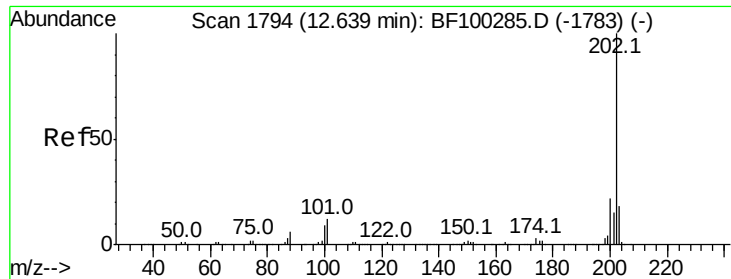
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#71
Anthracene
Concen: 8.982 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 57.525 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

Instrument :

BNA_F

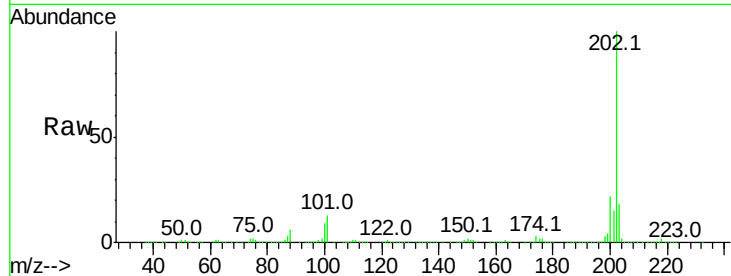
ClientSampleId :

MH-110917-01DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	917316		
101	12.5	0.0	34.1	
203	18.1	0.0	38.1	

Manual Integrations
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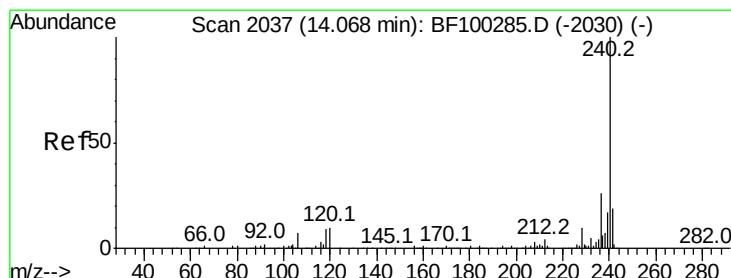
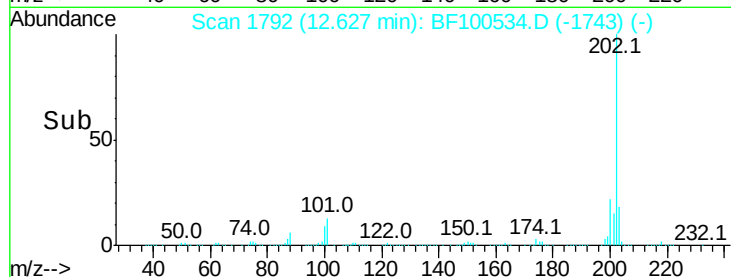
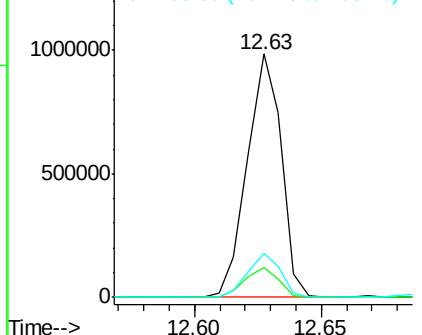
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

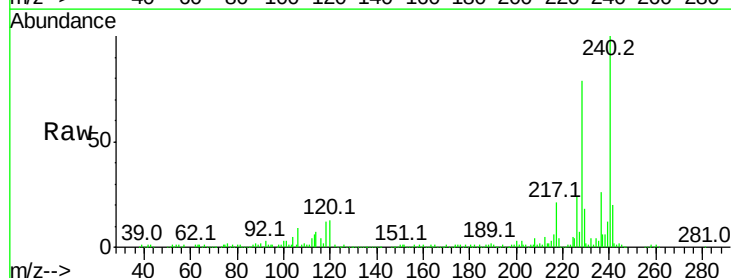
RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

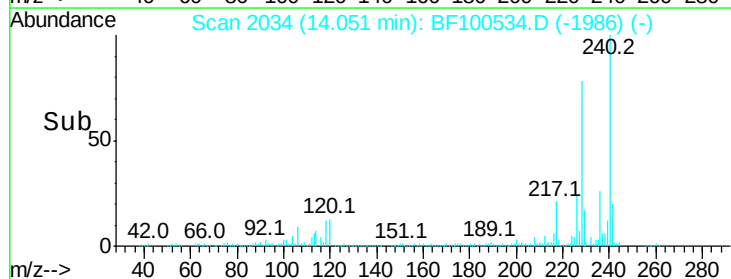
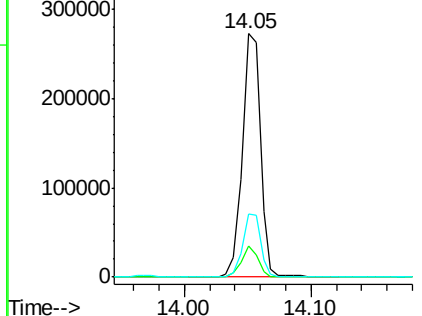
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	270262		
120	12.9	9.5	14.3	
236	25.7	20.7	31.1	

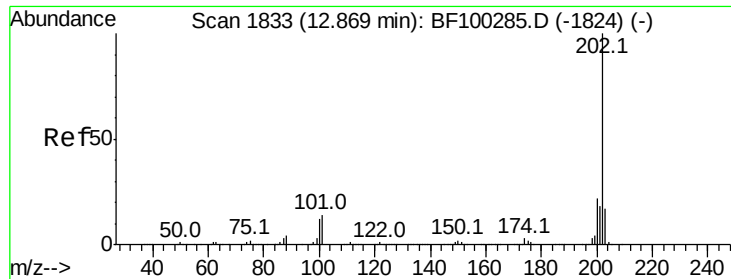


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 43.967 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF100534.D

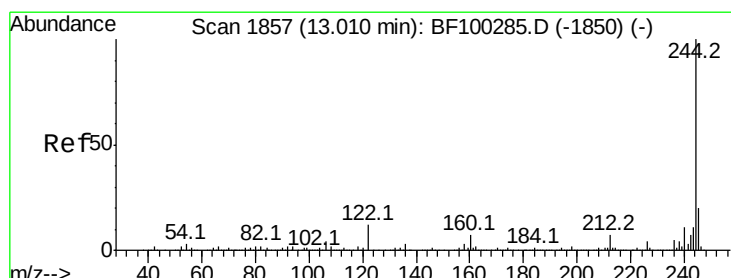
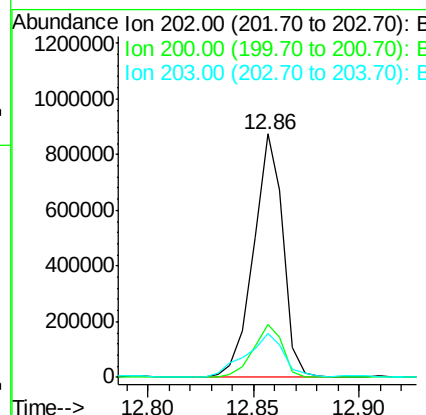
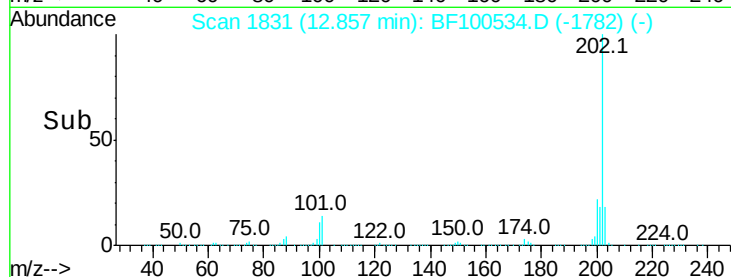
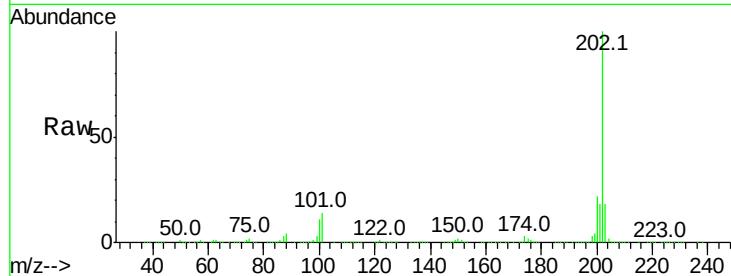
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampleId :
MH-110917-01DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 19.681 ng

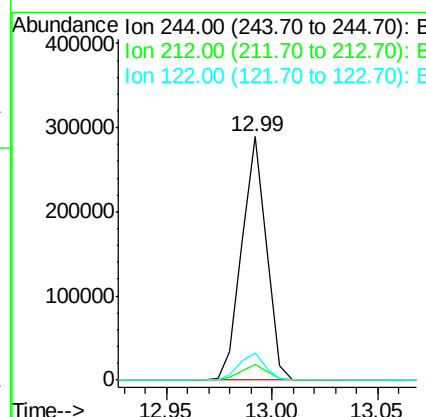
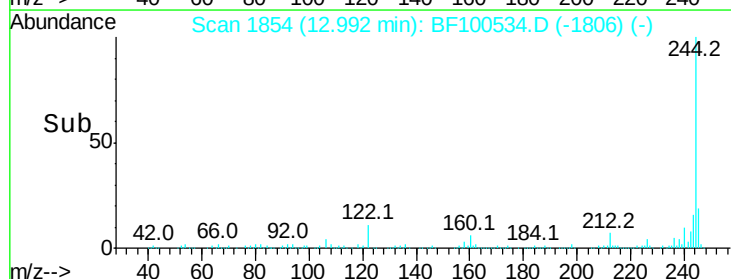
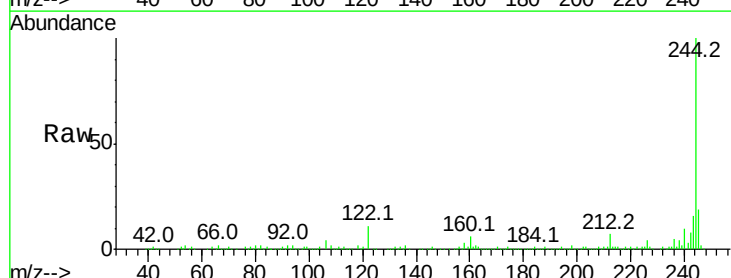
RT: 12.99 min Scan# 1854

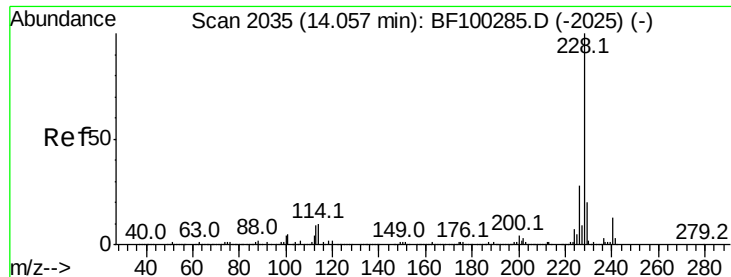
Delta R.T. -0.02 min

Lab File: BF100534.D

Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.3	11.0	16.4





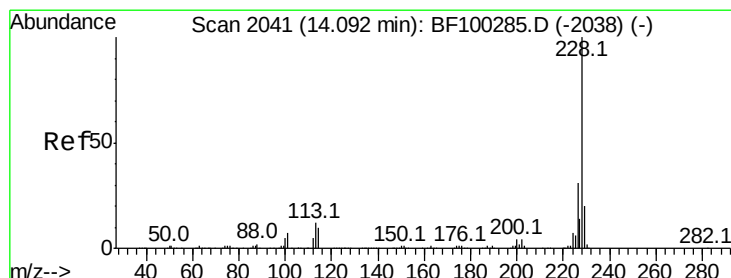
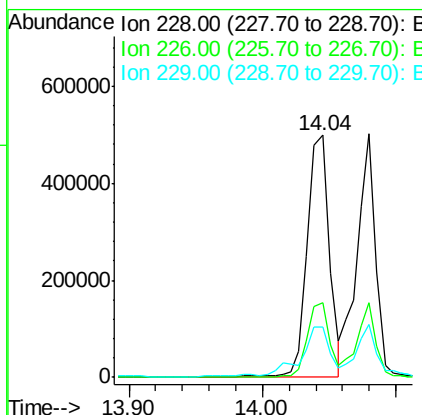
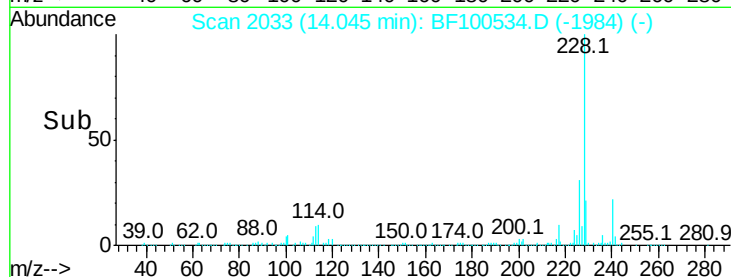
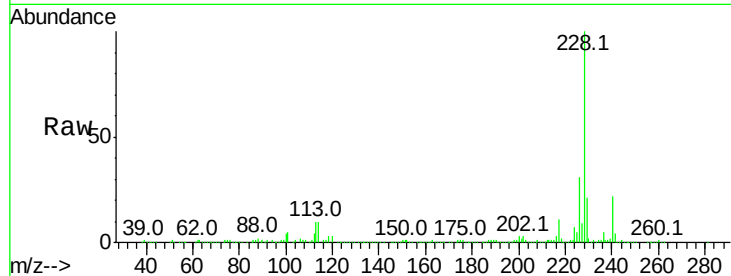
#80
Benzo(a)anthracene
Concen: 34.716 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampled :
MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	20.8	15.8	23.6

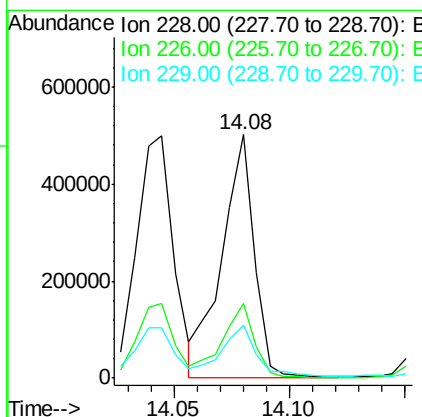
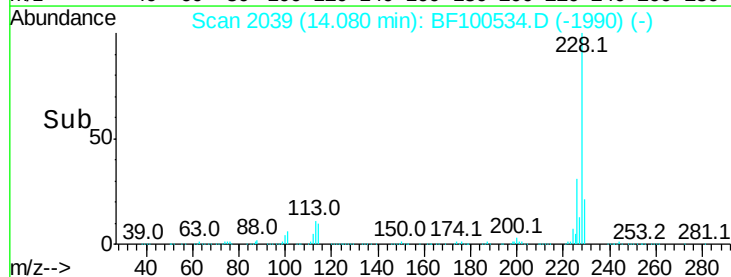
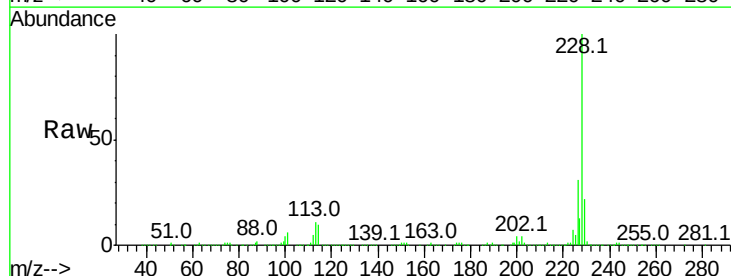
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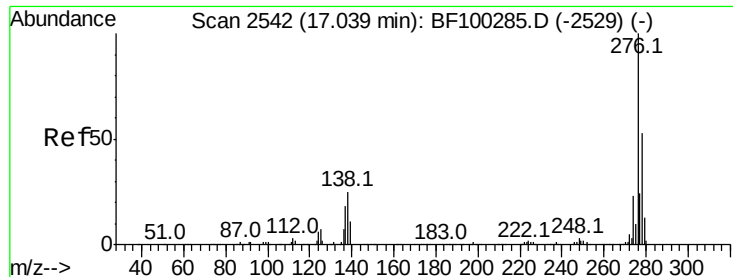
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#82
Chrysene
Concen: 31.025 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.9	16.2	24.4





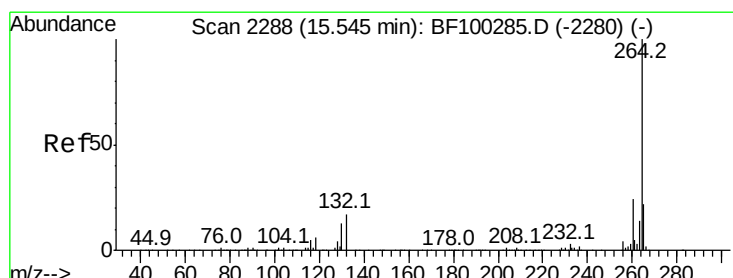
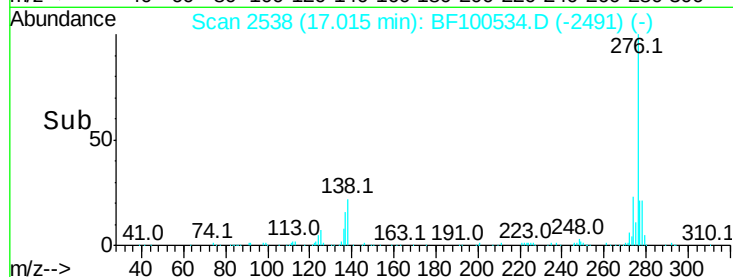
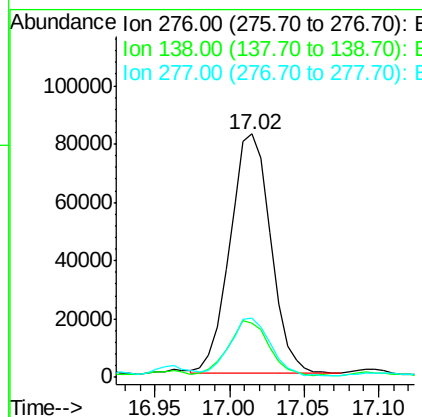
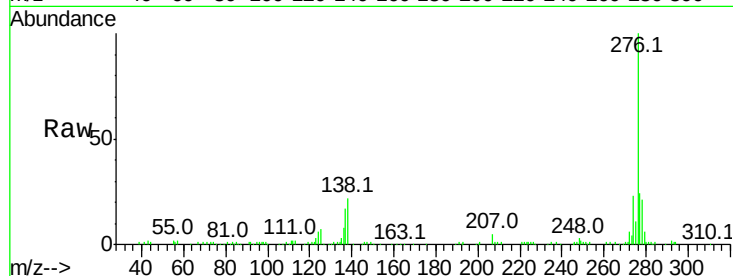
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.268 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampleId :
MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	23.9	20.1	30.1

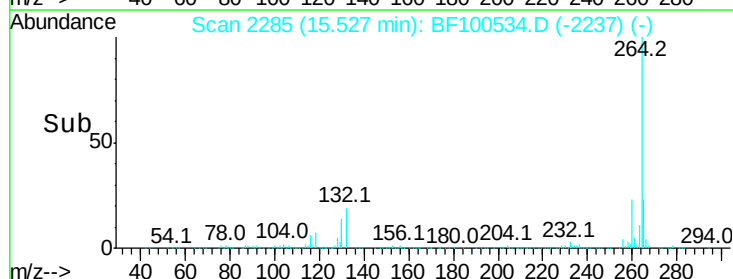
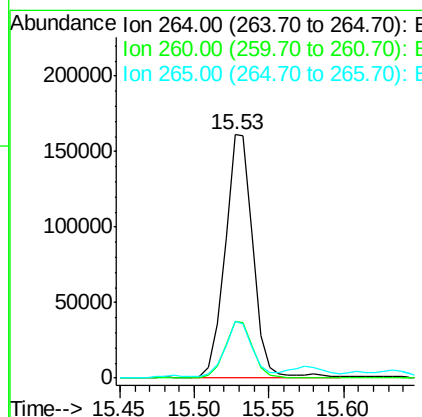
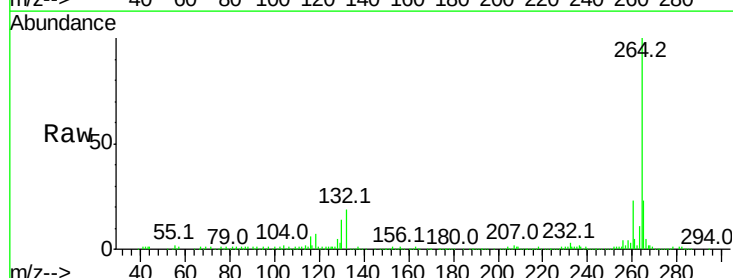
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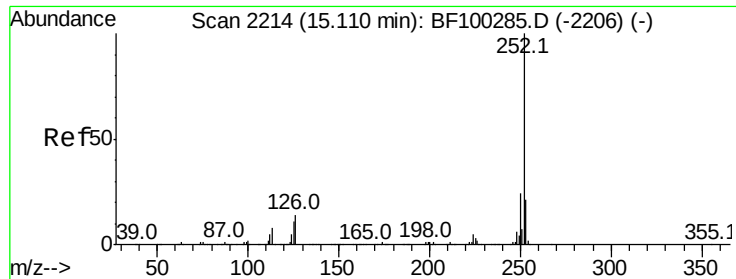
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.1	17.5	26.3





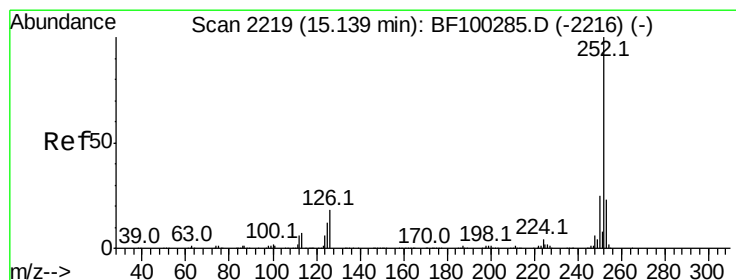
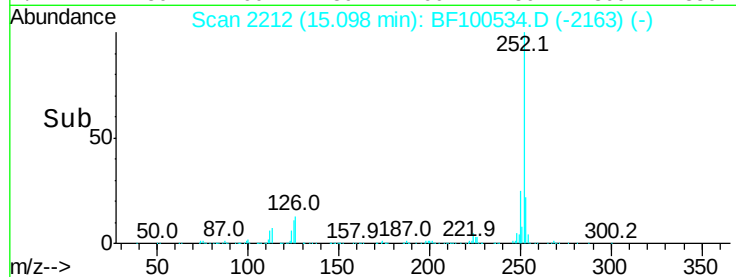
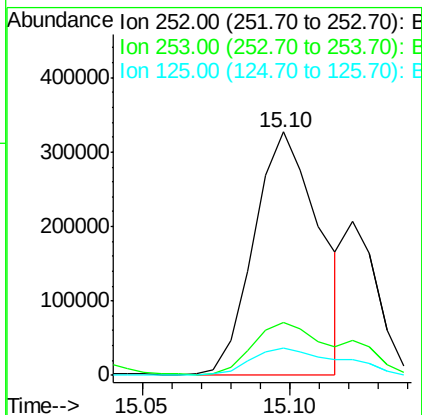
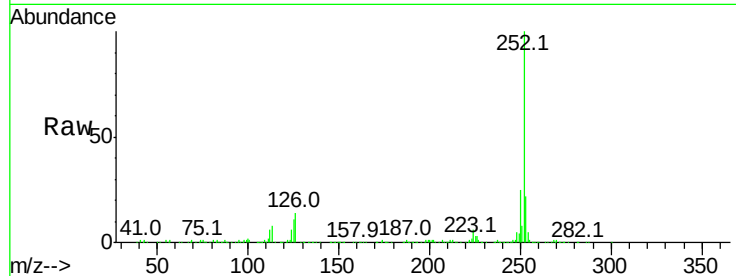
#87
Benzo(b)fluoranthene
Concen: 40.502 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampleId :
MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.2	9.0	13.6

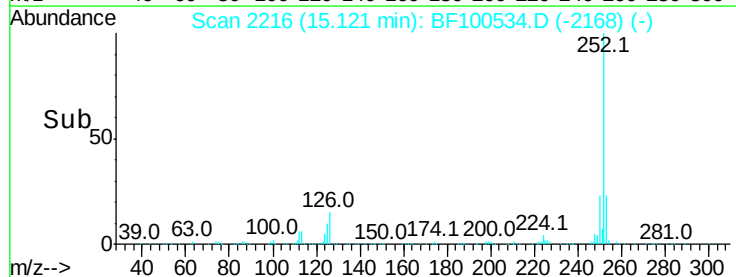
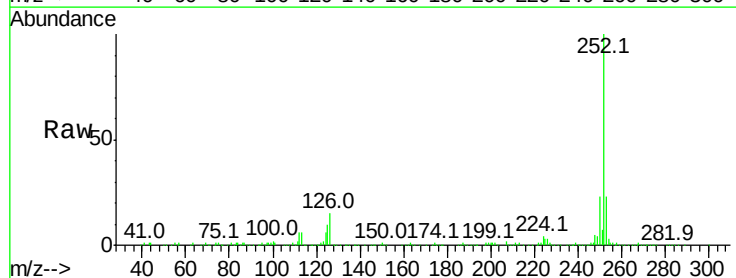
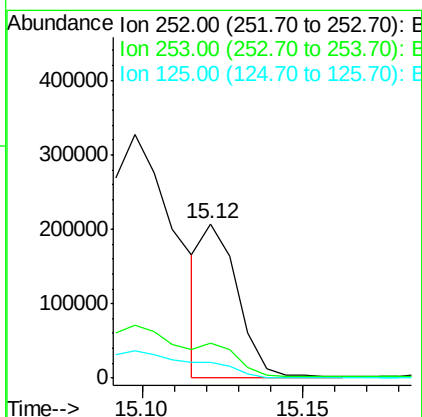
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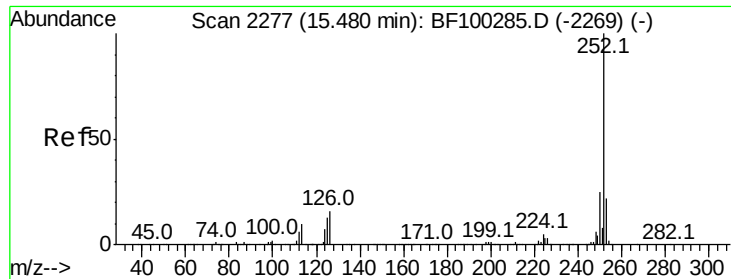
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#88
Benzo(k)fluoranthene
Concen: 13.713 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.4	10.2	15.2





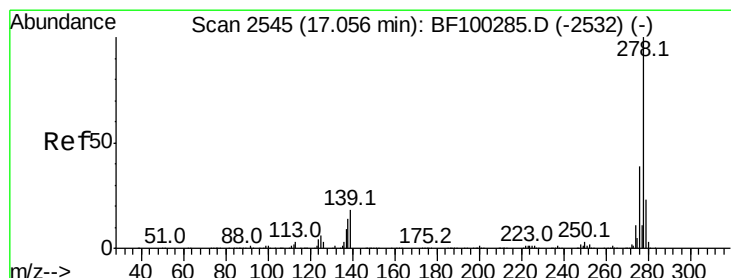
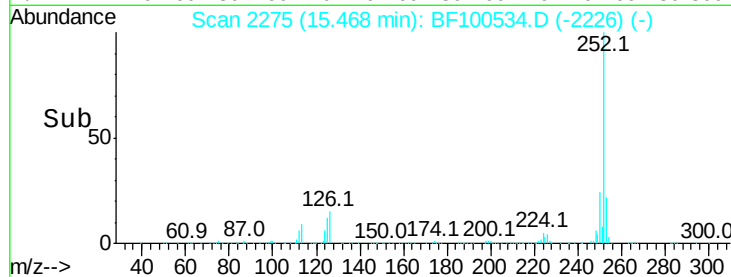
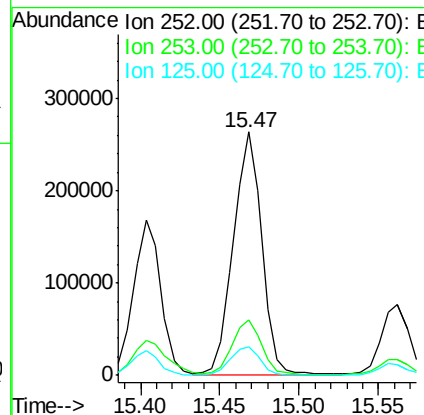
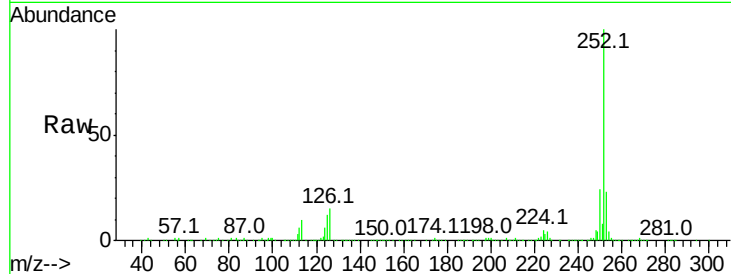
#89
Benzo(a)pyrene
Concen: 29.376 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Instrument :
BNA_F
ClientSampled :
MH-110917-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.9	9.8	14.6

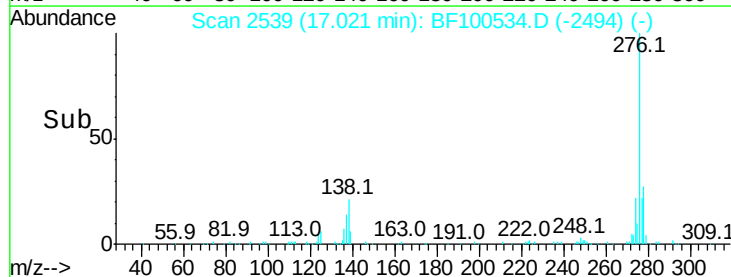
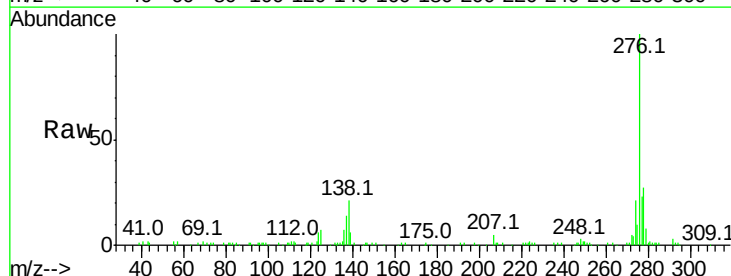
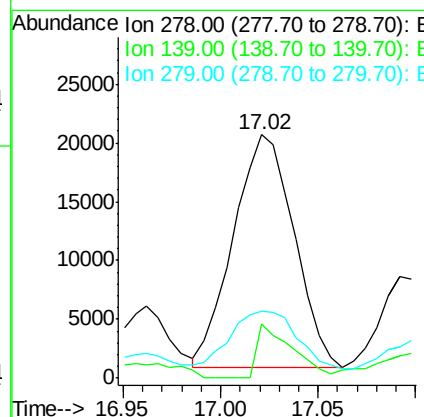
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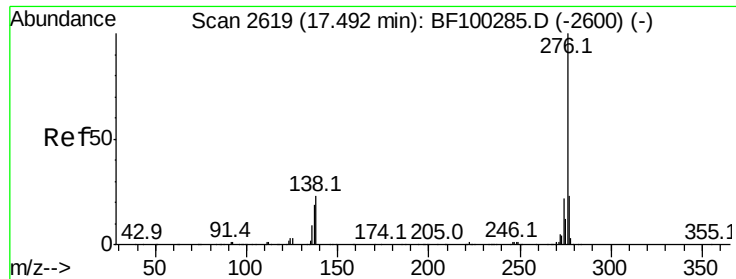
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#90
Dibenzo(a,h)anthracene
Concen: 4.698 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF100534.D
Acq: 14 Nov 2017 9:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	15.9	23.9
279	27.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.669 ng
 RT: 17.47 min Scan# 2615
 Delta R.T. -0.02 min
 Lab File: BF100534.D
 Acq: 14 Nov 2017 9:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-01DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.7	17.9	26.9
138	21.7	21.8	32.8#

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