

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101145.D
 Acq On : 6 Dec 2017 1:32
 Operator : SJ/JU
 Sample : I6702-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-3-E(0-1)

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:12:40 PM

Quant Time: Dec 06 03:48:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	54558	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	212638	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	97328	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	174769	20.00	ng	0.00
75) Chrysene-d12	14.02	240	107701	20.00	ng	0.00
86) Perylene-d12	15.49	264	112864	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	363275	110.03	ng	0.01
7) Phenol-d6	6.48	99	440763	109.96	ng	0.00
23) Nitrobenzene-d5	7.42	82	271674	76.21	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	115164	98.50	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	557954	78.43	ng	0.00
78) Terphenyl-d14	12.96	244	448705	91.13	ng	0.00
Target Compounds						
10) Phenol	6.49	94	14010	3.143	ng	91
49) Dimethylphthalate	9.60	163	42525	5.418	ng	# 99
70) Phenanthrene	11.40	178	23498	2.441	ng	99
74) Fluoranthene	12.59	202	66297	6.214	ng	93
77) Pyrene	12.82	202	66311	8.923	ng	96
80) Benzo(a)anthracene	14.00	228	30717	4.517	ng	96
82) Chrysene	14.04	228	29118	4.611	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	19952	3.554	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	38135m	5.641	ng	
88) Benzo(k)fluoranthene	15.09	252	15330m	2.302	ng	
89) Benzo(a)pyrene	15.43	252	30596	4.978	ng	96
91) Benzo(a,h,i)perylene	17.42	276	19281	3.776	ng	# 91

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

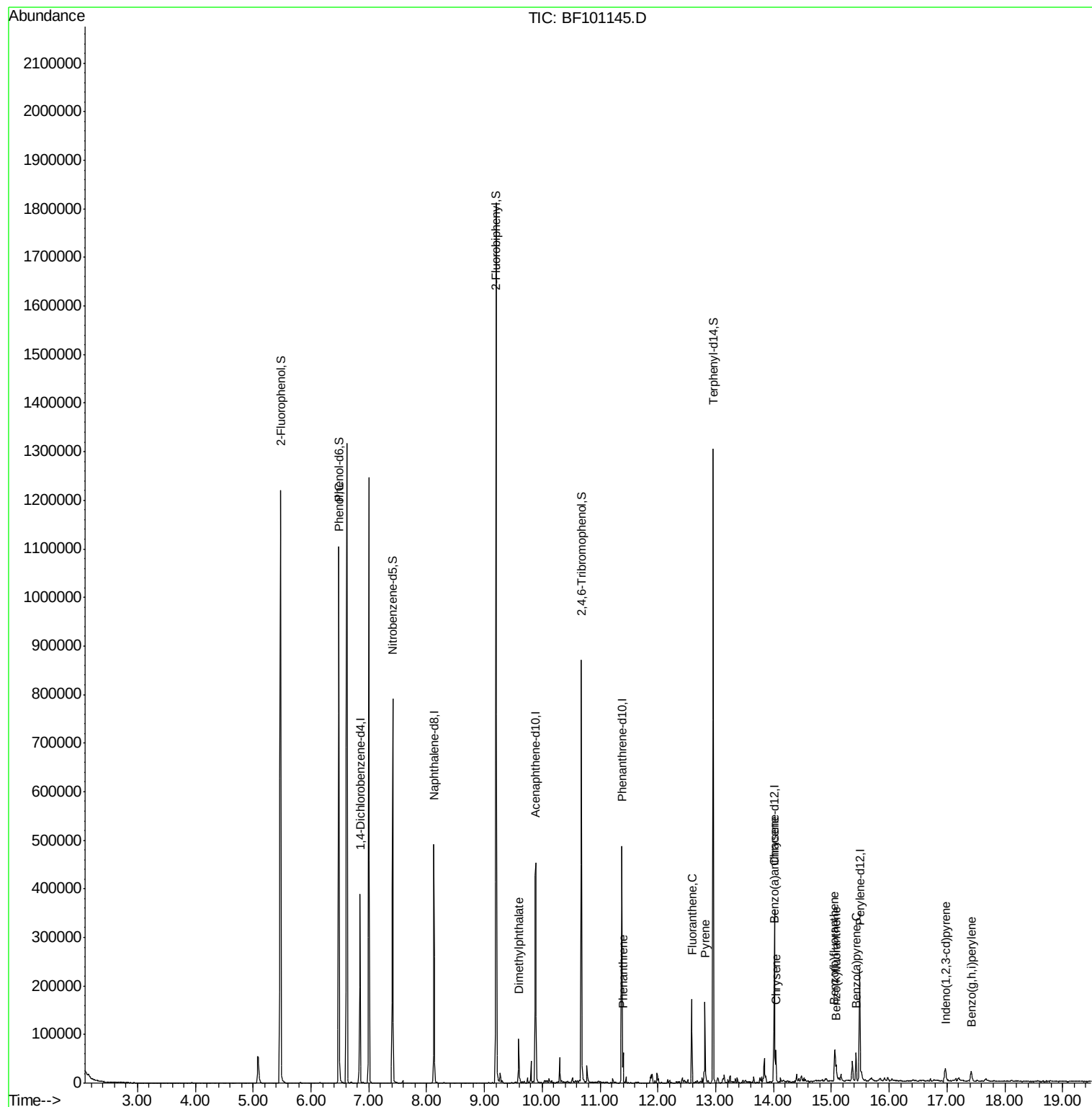
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101145.D
Acq On : 6 Dec 2017 1:32
Operator : SJ/JU
Sample : I6702-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

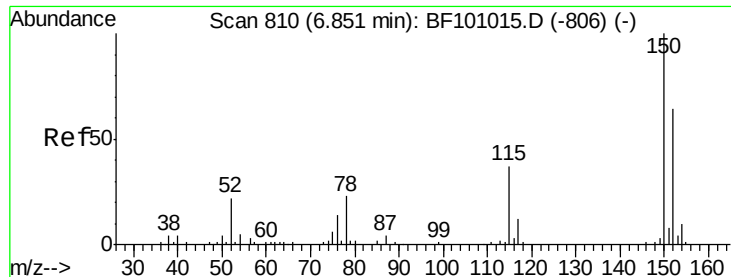
Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

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Quant Time: Dec 06 03:48:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

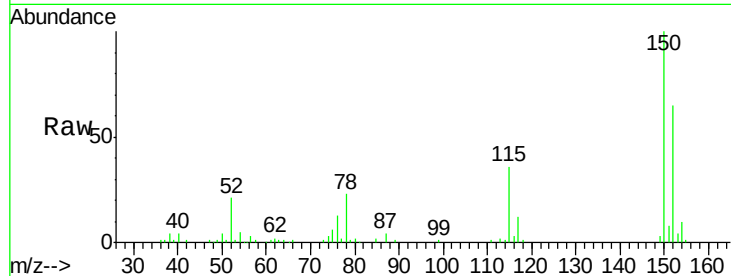
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	56.4	50.1	75.1

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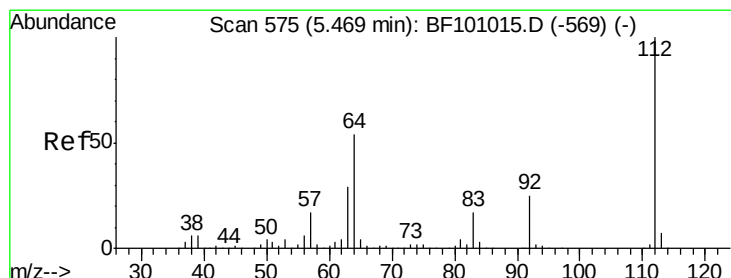
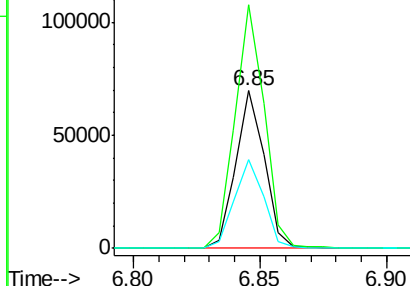
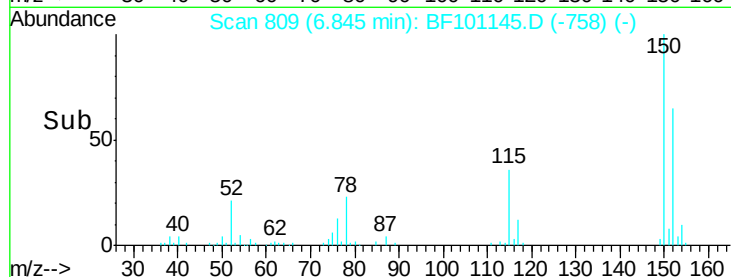


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

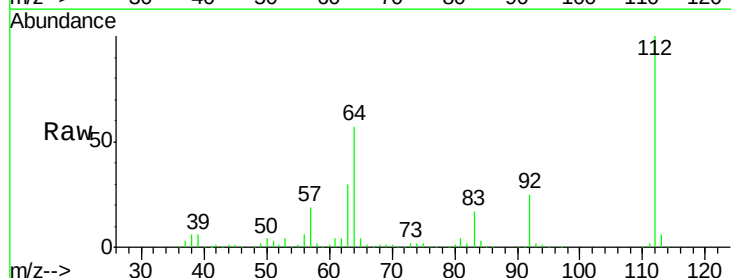
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.028 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.9	23.7	35.5

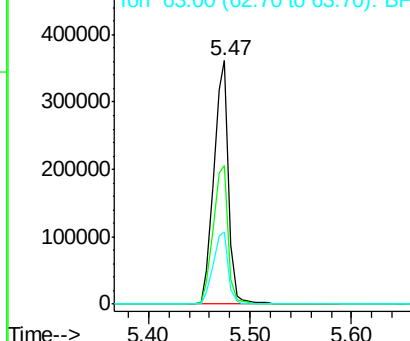
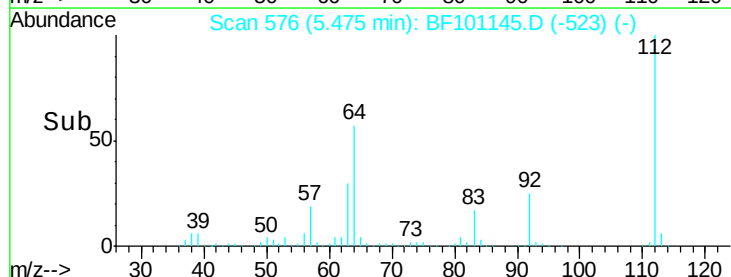


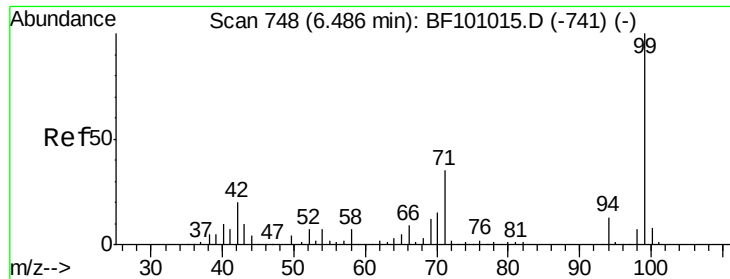
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.956 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Instrument :

BNA_F

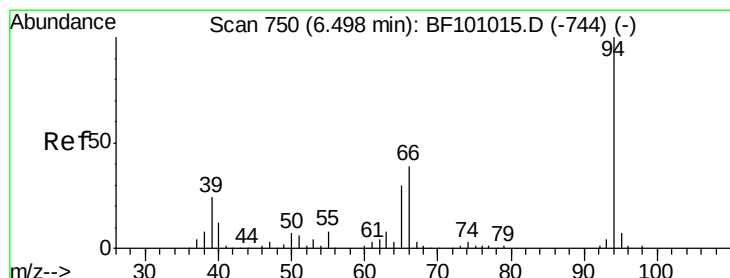
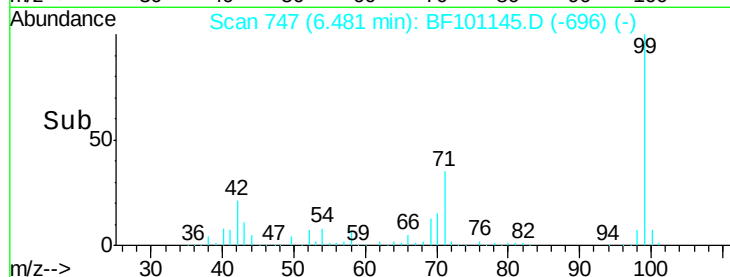
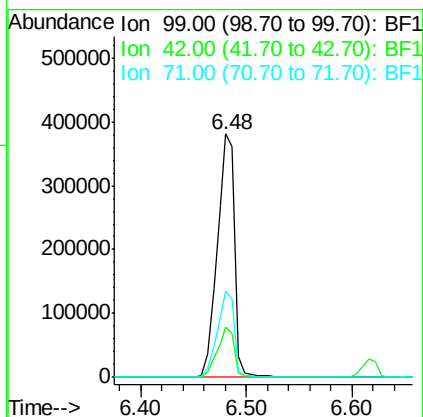
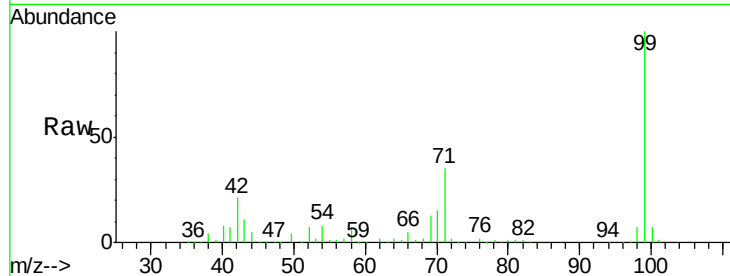
ClientSampled :

MH-3-E(0-1)

Tot Ion:	99	Resp:	440763
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	35.5	25.4	38.0

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#10

Phenol

Concen: 3.143 ng

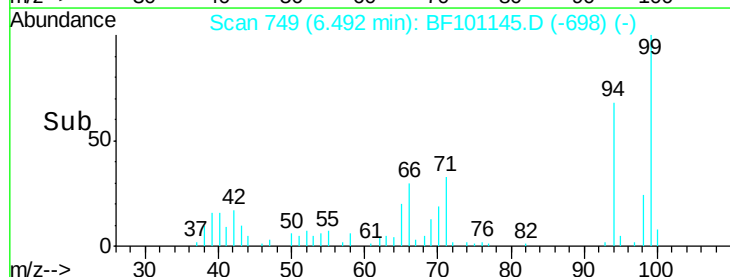
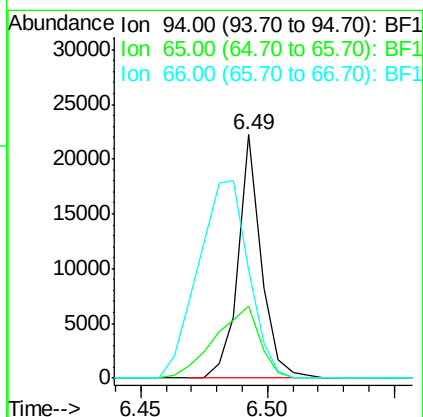
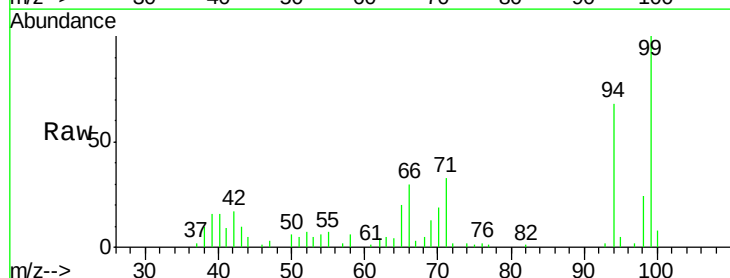
RT: 6.49 min Scan# 749

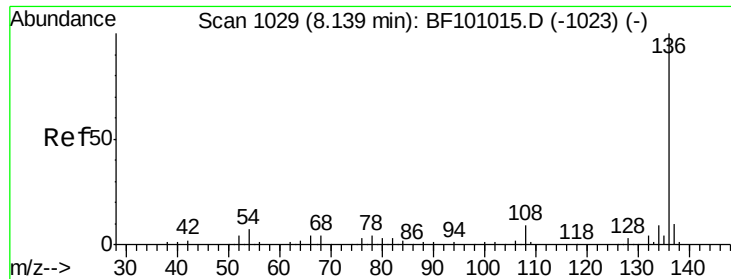
Delta R.T. 0.00 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Tgt Ion:	94	Resp:	14010
Ion Ratio	Lower	Upper	
94	100		
65	29.6	7.9	47.9
66	44.4	16.2	56.2





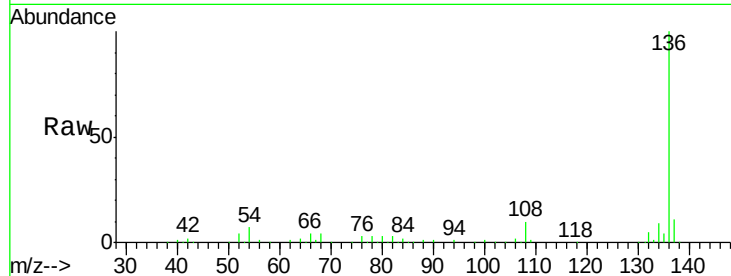
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

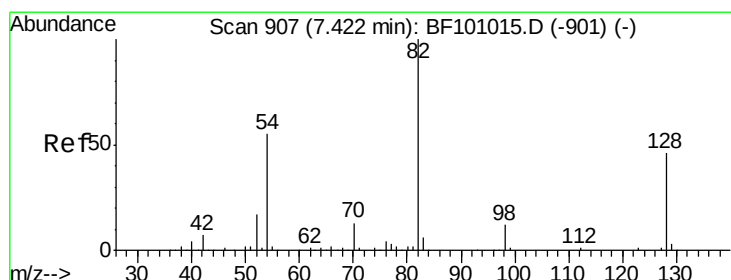
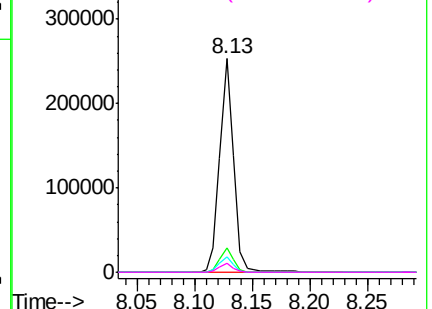
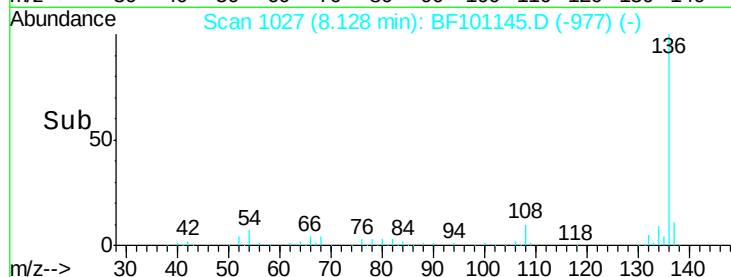
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.5	6.6	9.8
68	4.5	5.0	7.4#

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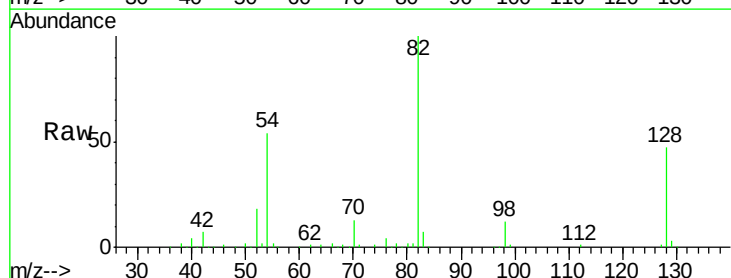


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

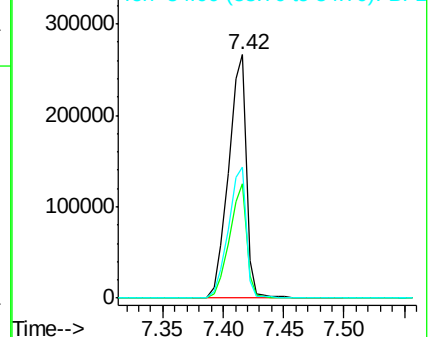
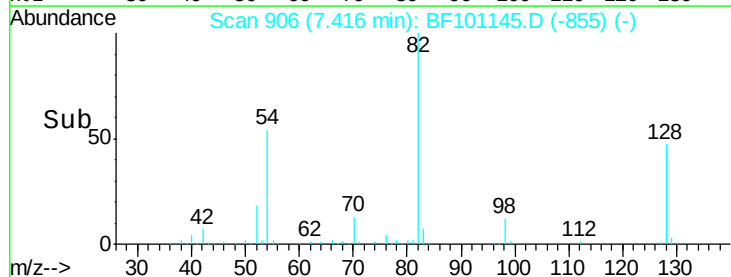


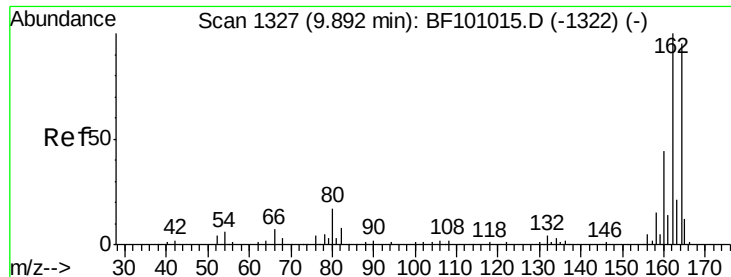
#23
Nitrobenzene-d5
Concen: 76.215 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.9	36.1	54.1
54	53.8	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





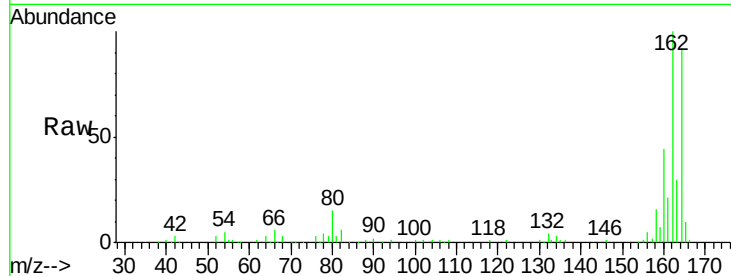
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampled :
MH-3-E(0-1)

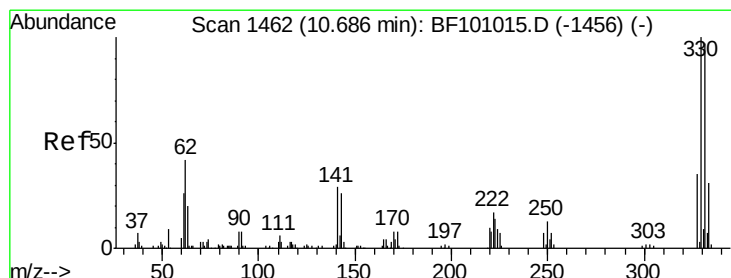
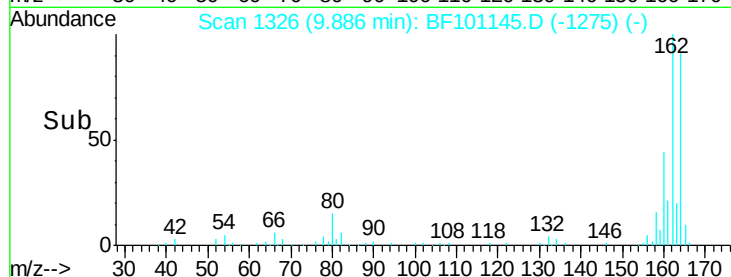
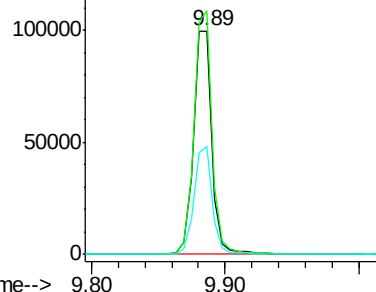
Tot Ion	Ratio	Lower	Upper
164	100		
162	108.8	86.1	129.1
160	48.2	38.3	57.5

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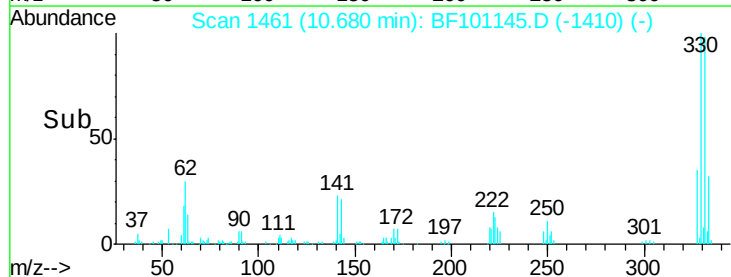
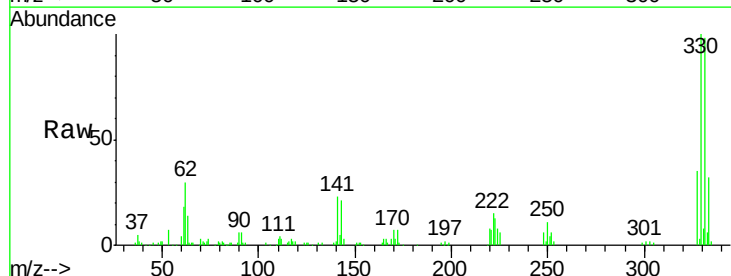
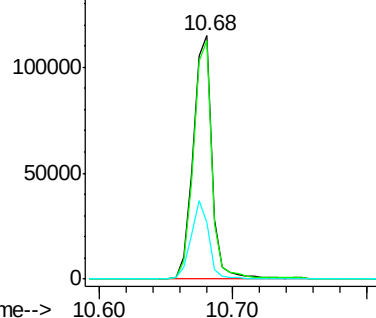
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

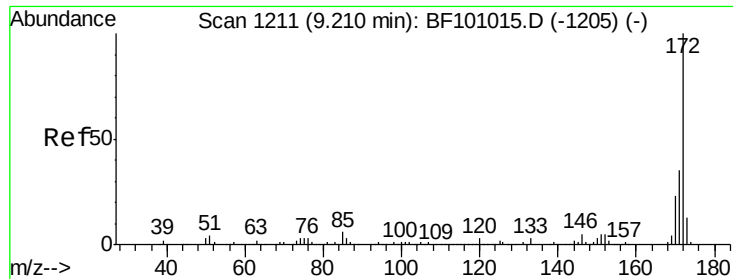


#41
2,4,6-Tribromophenol
Concen: 98.499 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	30.3	29.9	44.9

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





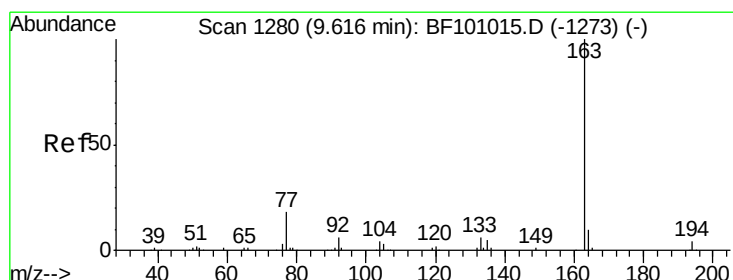
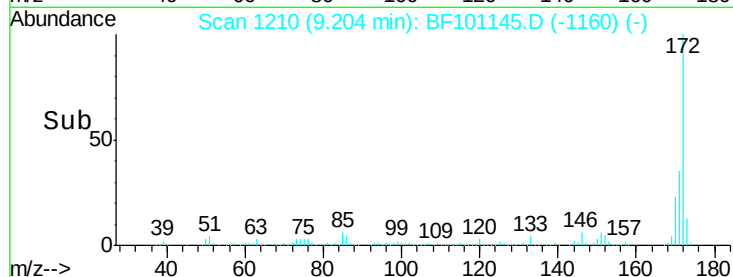
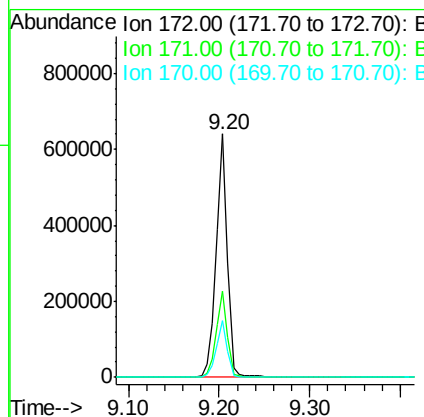
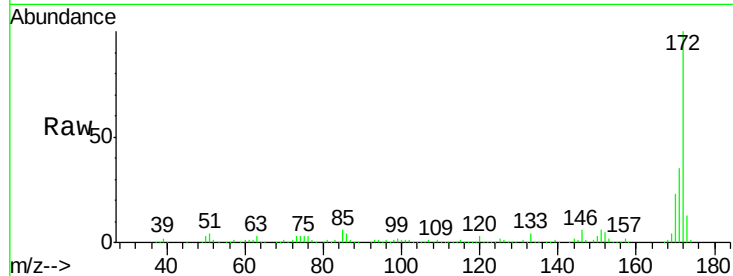
#44
2-Fluorobiphenyl
Concen: 78.435 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	23.3	19.6	29.4	

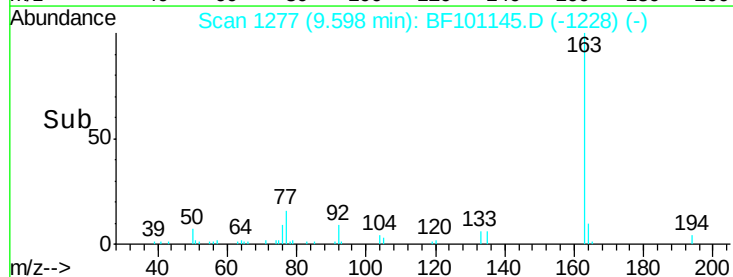
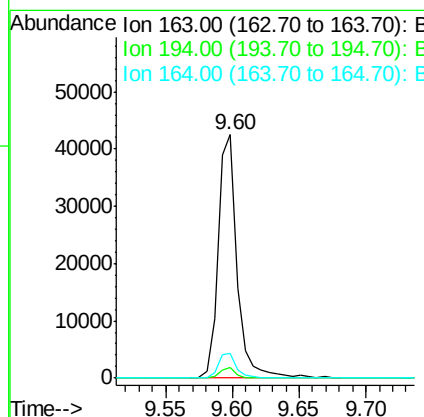
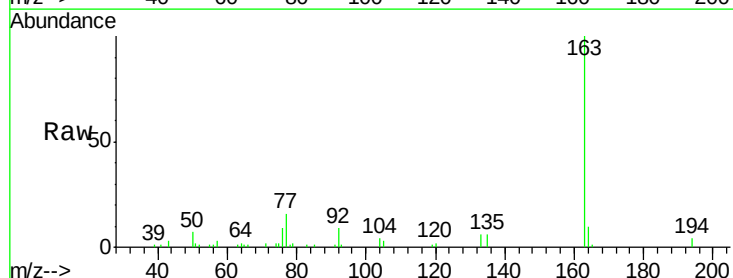
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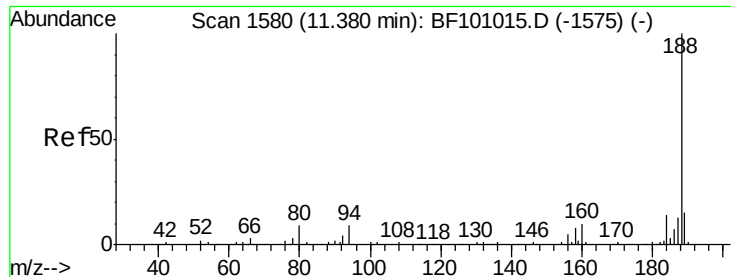
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#49
Dimethylphthalate
Concen: 5.418 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.0	8.2	12.2	





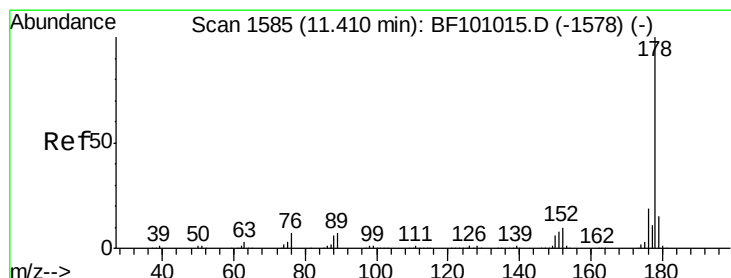
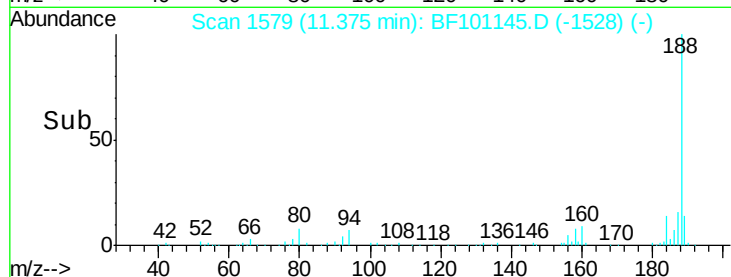
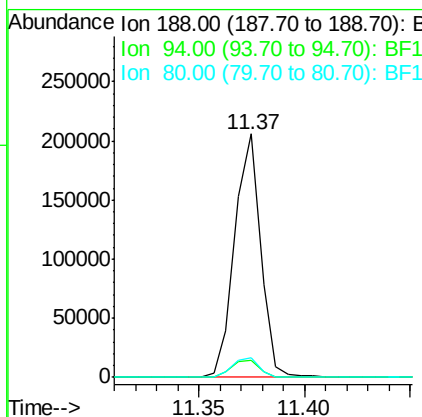
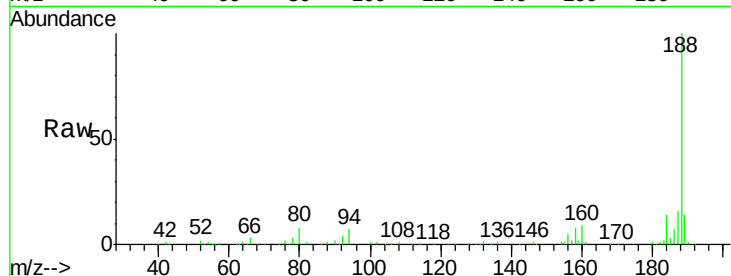
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampled :
MH-3-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.2	8.5	12.7#
80	8.2	9.2	13.8#

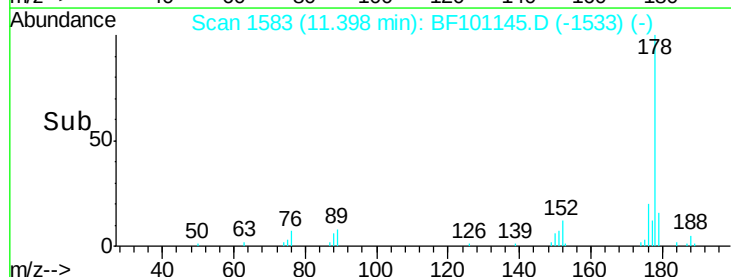
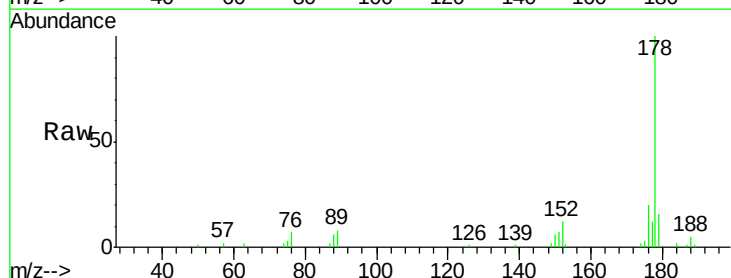
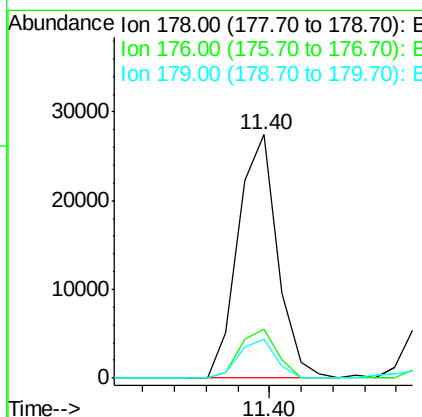
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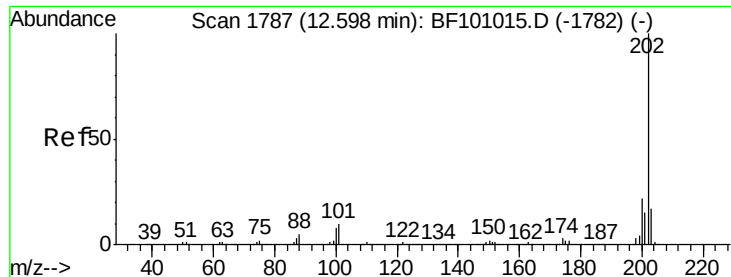
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#70
Phenanthrene
Concen: 2.441 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.9	13.0	19.6





#74

Fluoranthene

Concen: 6.214 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Instrument :

BNA_F

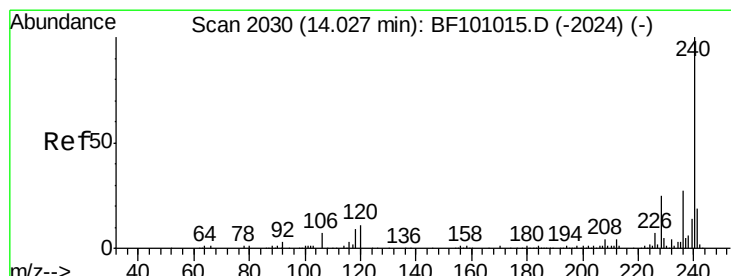
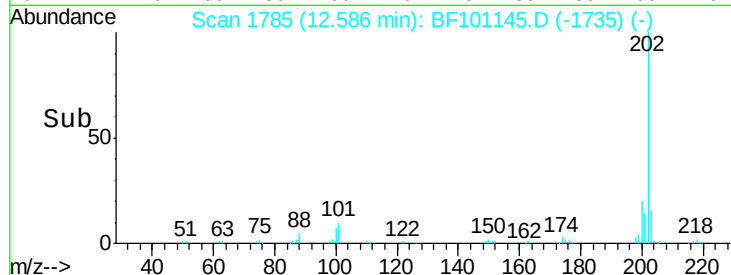
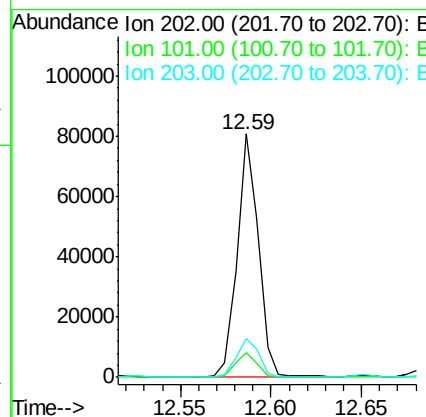
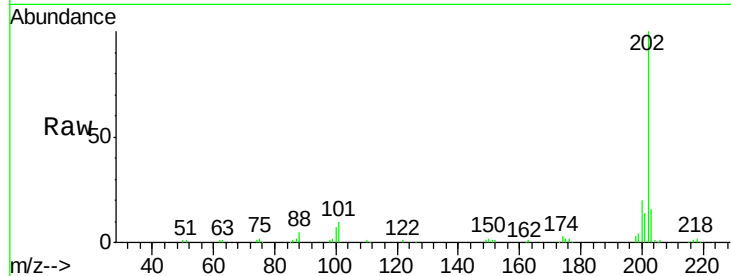
ClientSampled :

MH-3-E(0-1)

Tot Ion:	202	Resp:	66297
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	16.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

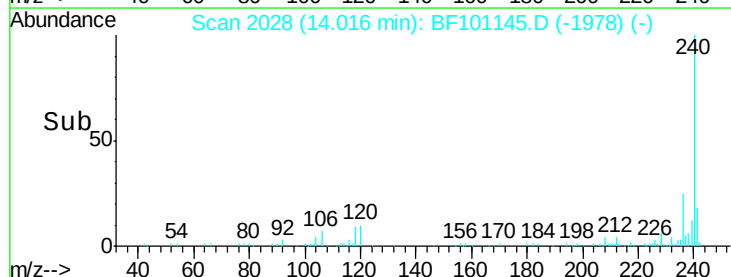
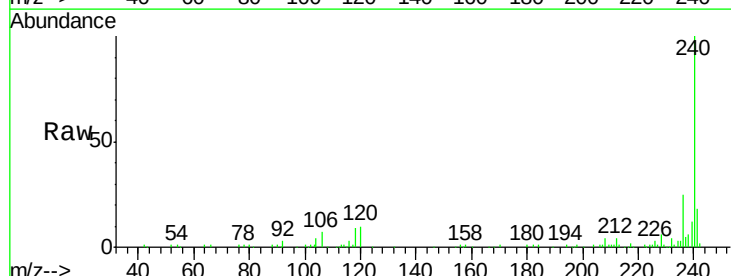
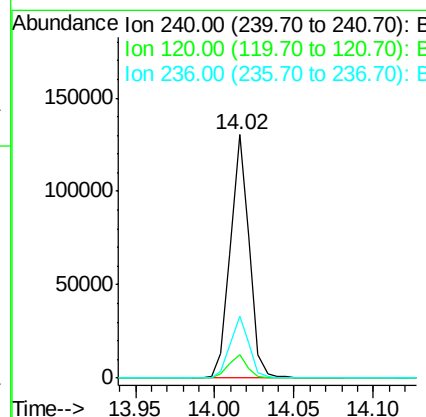
RT: 14.02 min Scan# 2028

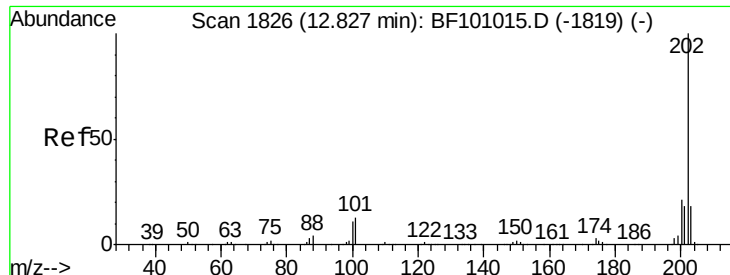
Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Tgt Ion:	240	Resp:	107701
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	25.2	20.7	31.1





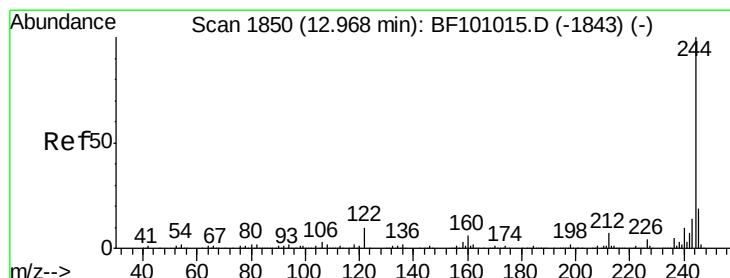
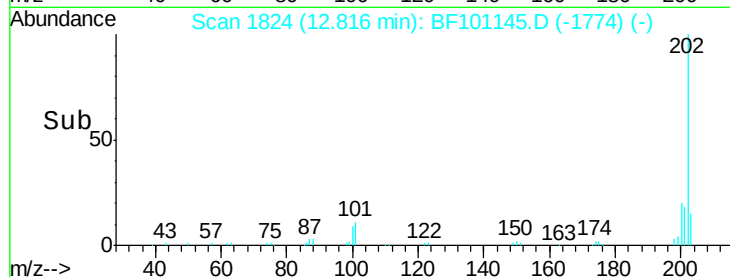
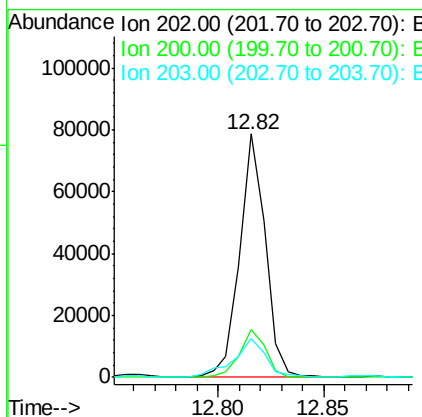
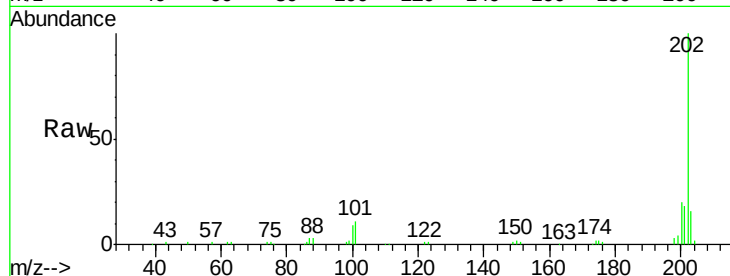
#77
Pvrene
Concen: 8.923 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	17.4	26.2
203	15.8	14.3	21.5

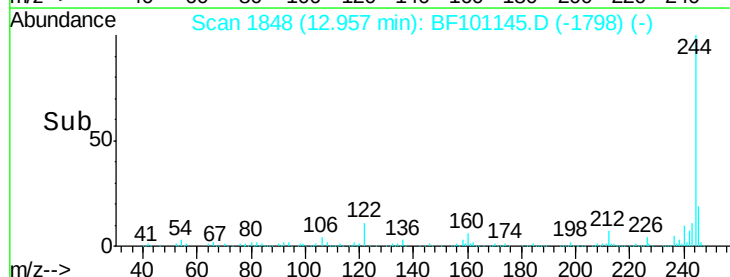
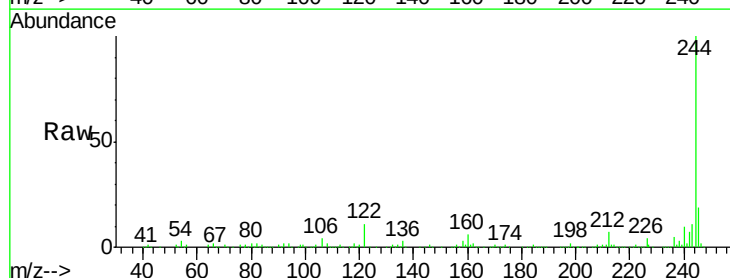
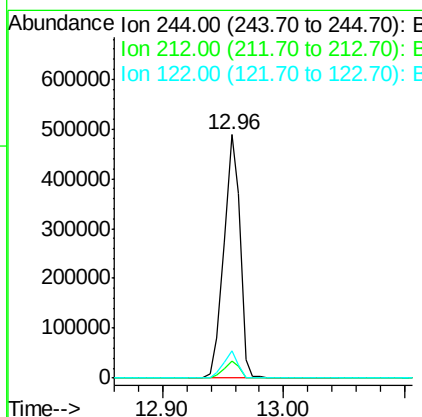
Manual Integrations
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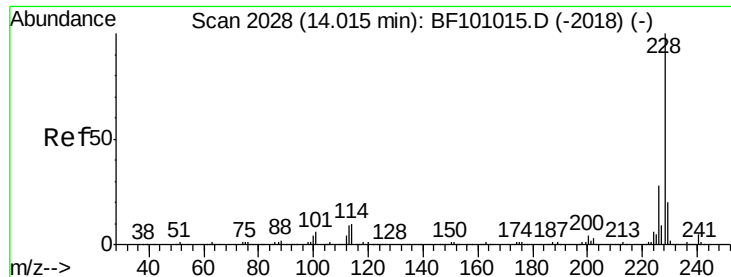
Sohil
12/6/2017 5:12:40 PM



#78
Terphenyl-d14
Concen: 91.126 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.4	11.0	16.4





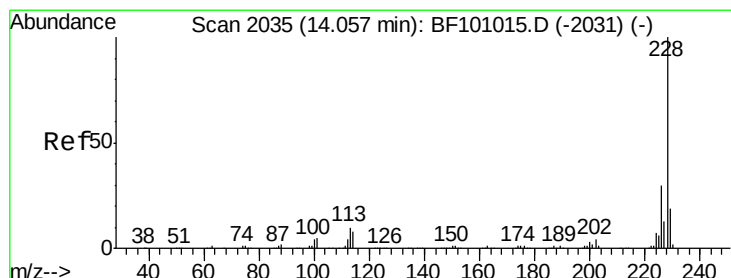
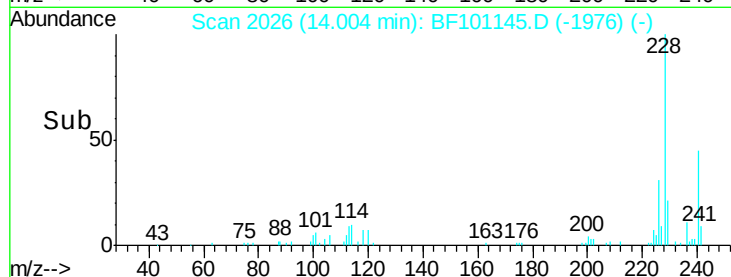
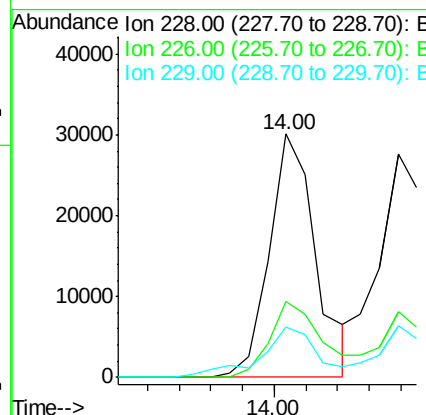
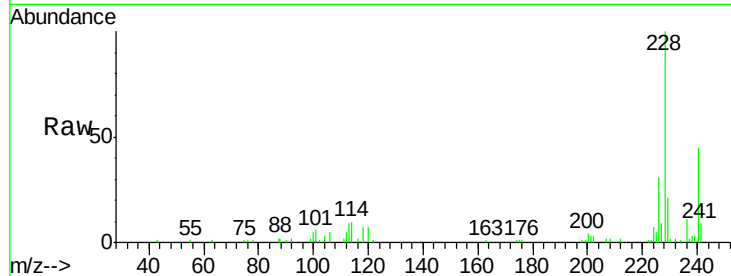
#80
Benzo(a)anthracene
Concen: 4.517 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	20.7	15.8	23.6

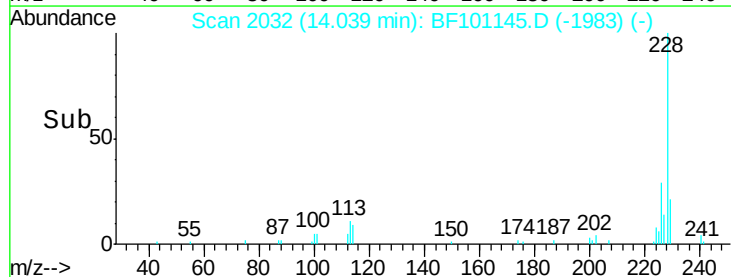
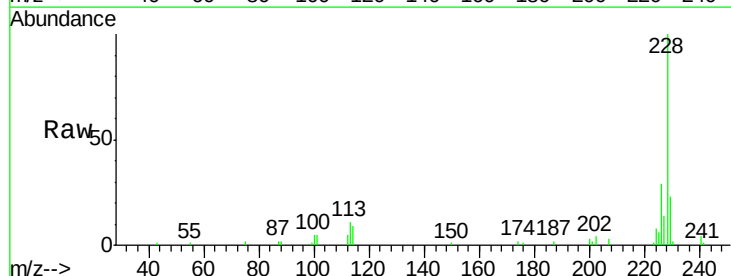
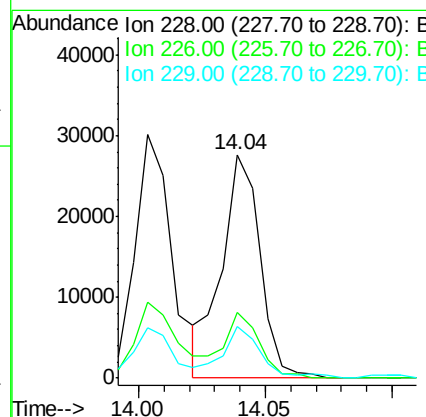
Manual Integrations
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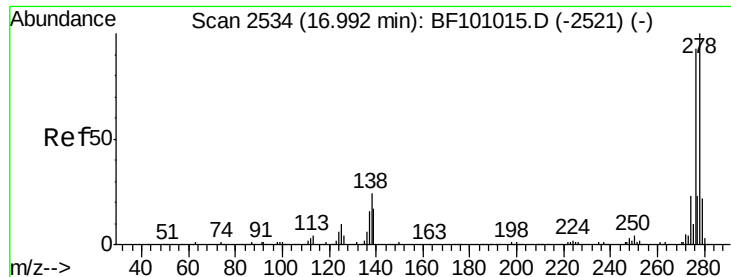
Sohil
12/6/2017 5:12:40 PM



#82
Chrysene
Concen: 4.611 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.554 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Instrument :

BNA_F

ClientSampleId :

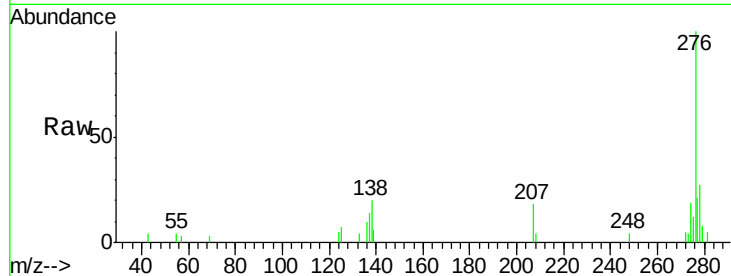
MH-3-E(0-1)

Tot Ion:	276	Resp:	19952
Ion Ratio	Lower	Upper	
276	100		
138	21.2	25.0	37.6#
277	24.6	20.1	30.1

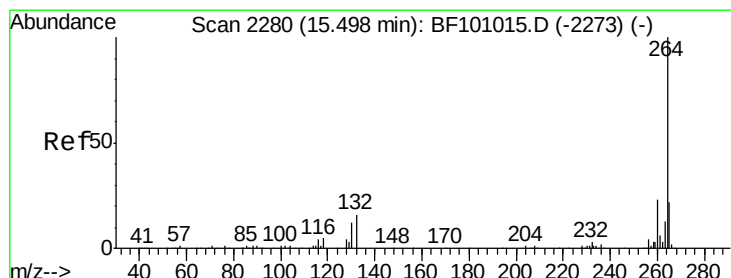
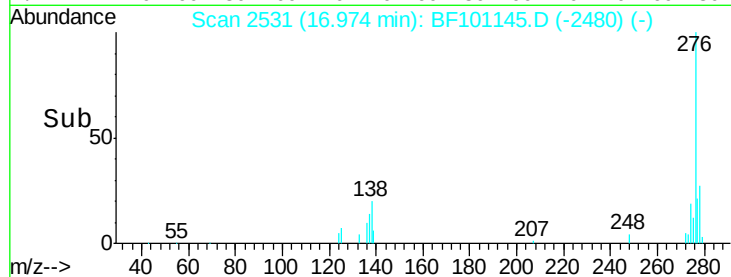
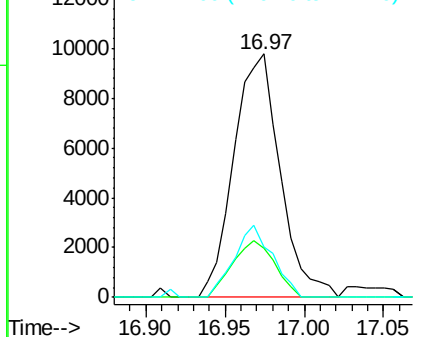
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

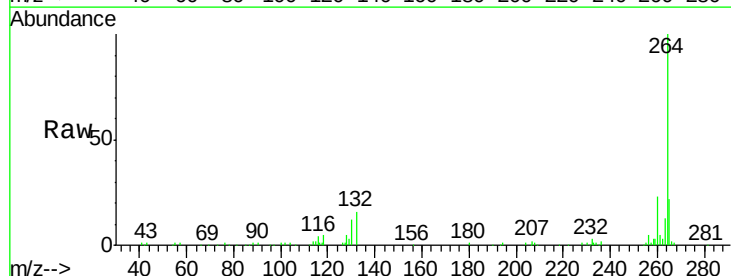
RT: 15.49 min Scan# 2279

Delta R.T. 0.00 min

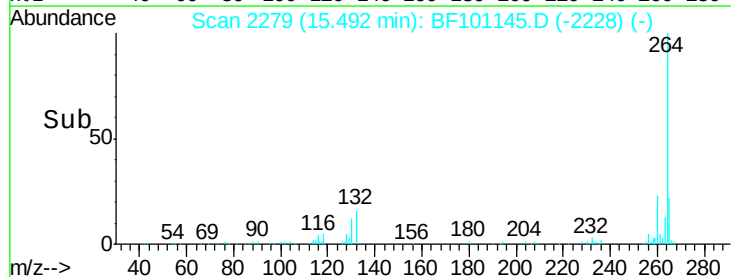
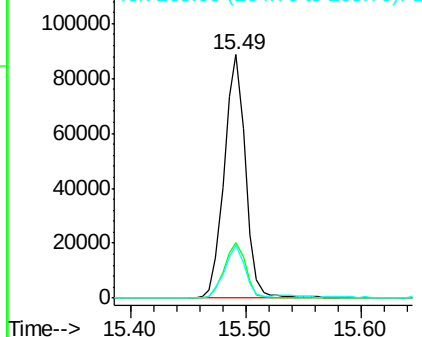
Lab File: BF101145.D

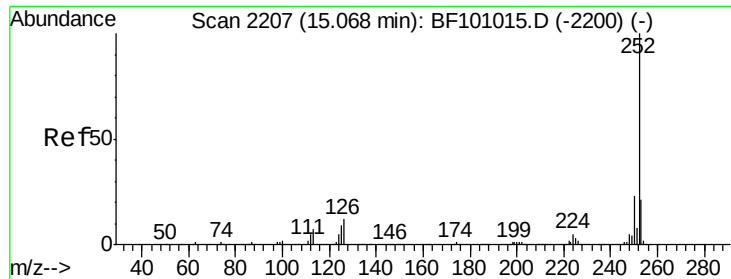
Acq: 6 Dec 2017 1:32

Tgt Ion:	264	Resp:	112864
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	21.9	17.5	26.3



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: 5.641 ng m

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Instrument :

BNA_F

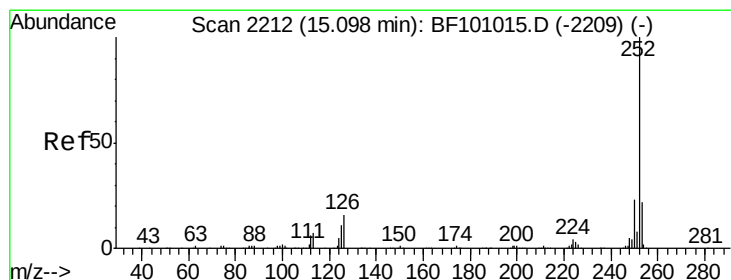
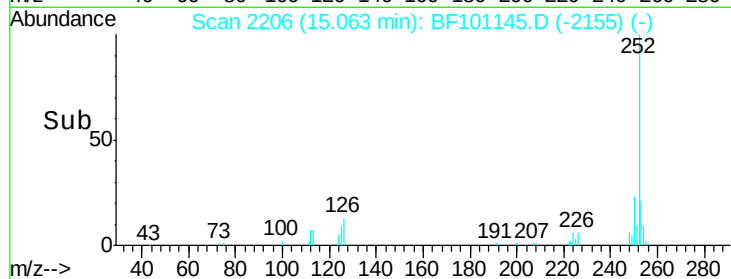
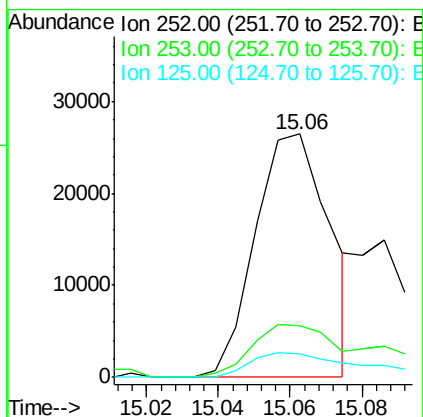
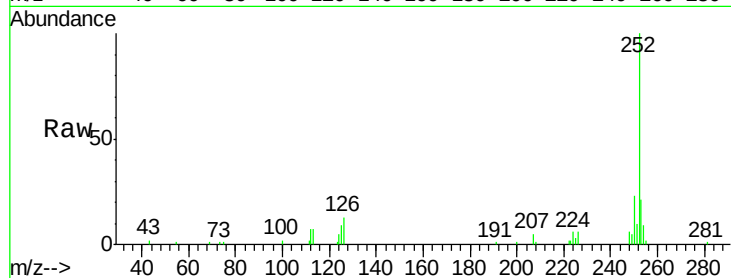
ClientSampleId :

MH-3-E(0-1)

Tot Ion:	252	Resp:	38135
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.0	25.6
125	9.4	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.302 ng m

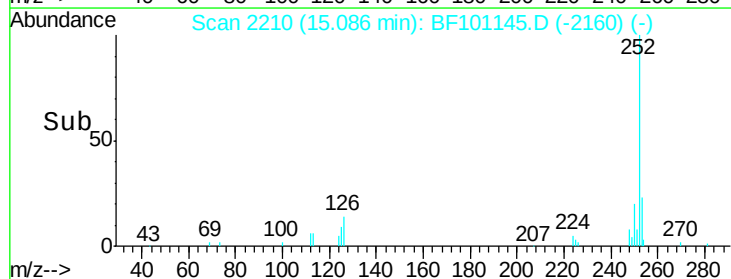
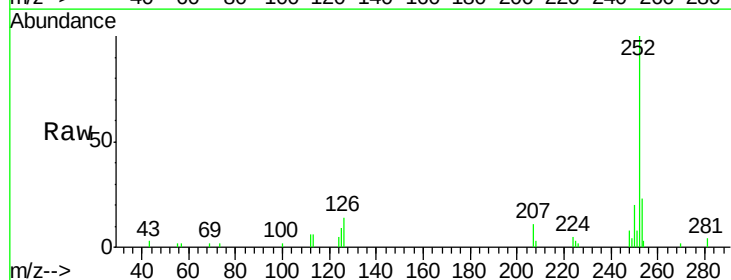
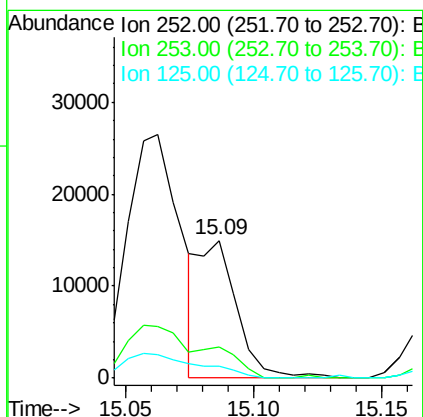
RT: 15.09 min Scan# 2210

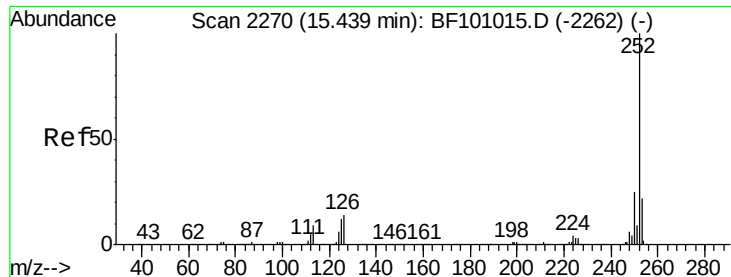
Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Tgt Ion:	252	Resp:	15330
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	8.9	10.2	15.2#





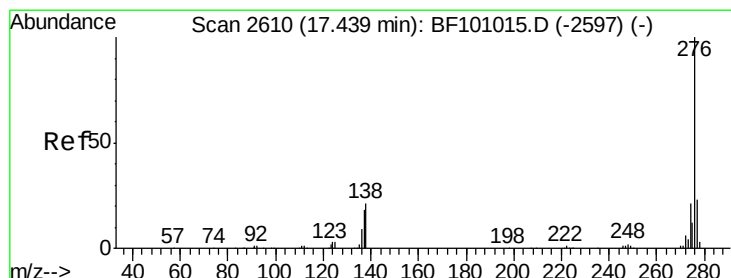
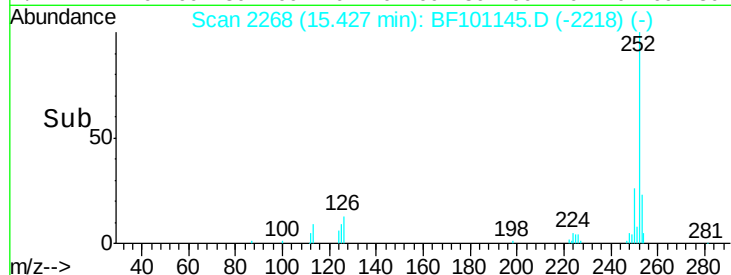
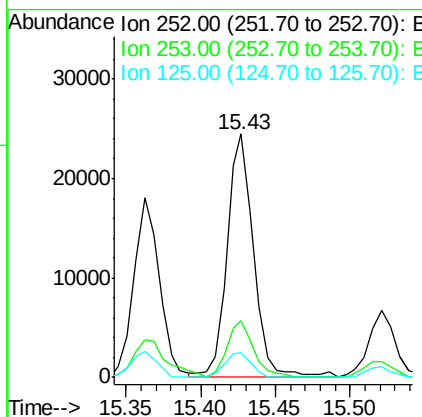
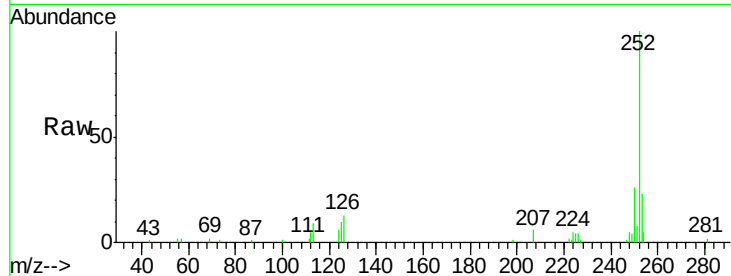
#89
Benzo(a)pyrene
Concen: 4.978 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.776 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	20.1	21.8	32.8#

