

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101802.D
 Acq On : 28 Dec 2017 15:10
 Operator : SJ/JU
 Sample : I6970-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3-0-5

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:09 AM

Quant Time: Dec 28 16:27:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	168123	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	640650	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	258267	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	399507	20.00	ng	0.00
75) Chrysene-d12	13.97	240	311168	20.00	ng	0.00
86) Perylene-d12	15.43	264	288180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1085606	96.19	ng	0.00
7) Phenol-d6	6.43	99	1352830	96.31	ng	0.00
23) Nitrobenzene-d5	7.36	82	848870	73.76	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	138994	55.85	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1318941	79.22	ng	0.00
78) Terphenyl-d14	12.89	244	926909	71.81	ng	0.00
Target Compounds						
10) Phenol	6.45	94	63312	3.955	ng	Qvalue # 78
49) Dimethylphthalate	9.54	163	72342	3.482	ng	99
70) Phenanthrene	11.34	178	167437	7.536	ng	98
71) Anthracene	11.39	178	57550	2.536	ng	97
74) Fluoranthene	12.53	202	235123	10.082	ng	97
77) Pyrene	12.76	202	279479	11.968	ng	99
80) Benzo(a)anthracene	13.96	228	130818	6.367	ng	98
82) Chrysene	13.99	228	107864	5.560	ng	97
87) Benzo(b)fluoranthene	15.02	252	113104m	6.439	ng	
88) Benzo(k)fluoranthene	15.04	252	46492m	2.722	ng	
89) Benzo(a)pyrene	15.38	252	84937	5.245	ng	# 93
91) Benzo(a,h,i)perylene	17.38	276	42924	3.118	ng	93

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

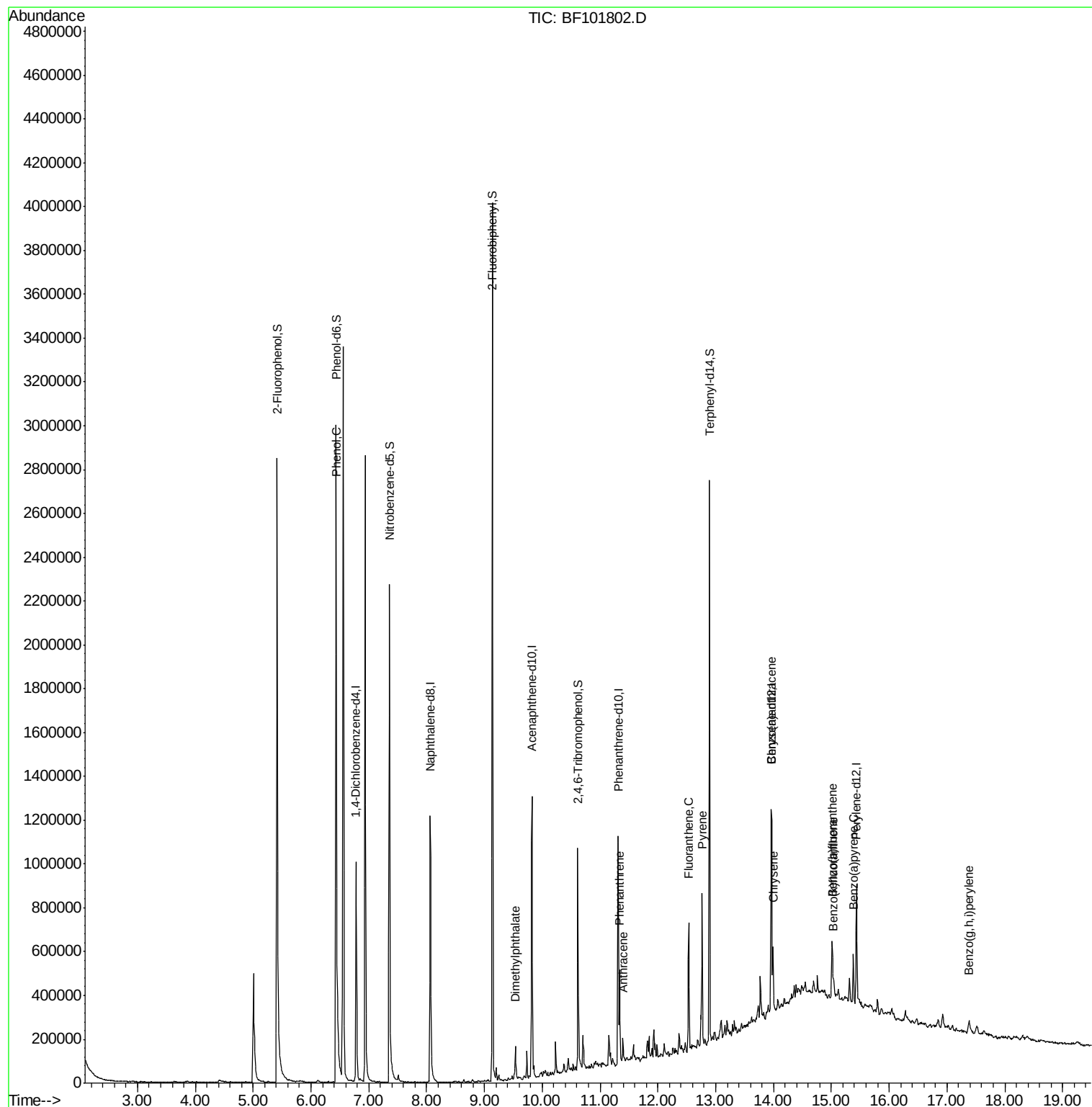
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101802.D
Acq On : 28 Dec 2017 15:10
Operator : SJ/JU
Sample : I6970-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

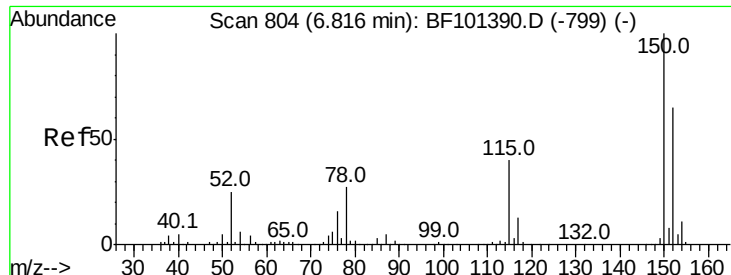
Instrument :
BNA_F
ClientSampleId :
S3-0-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

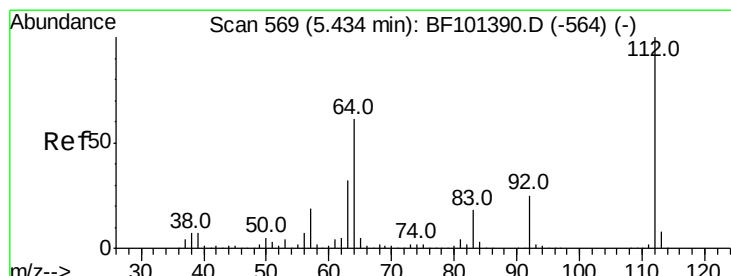
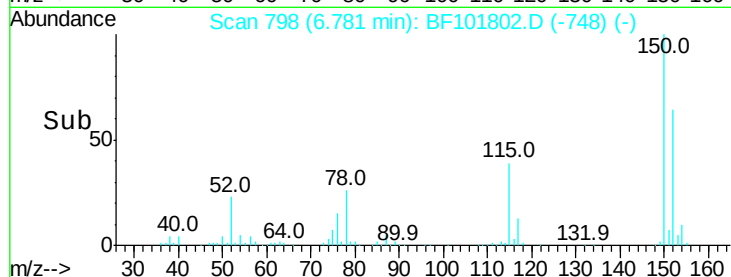
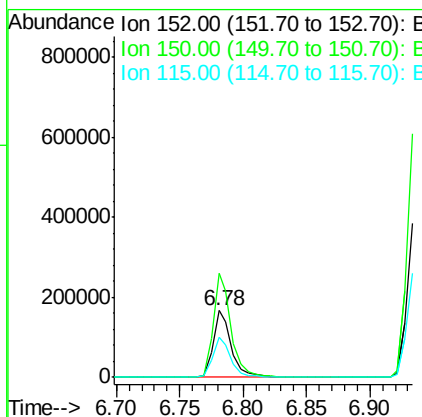
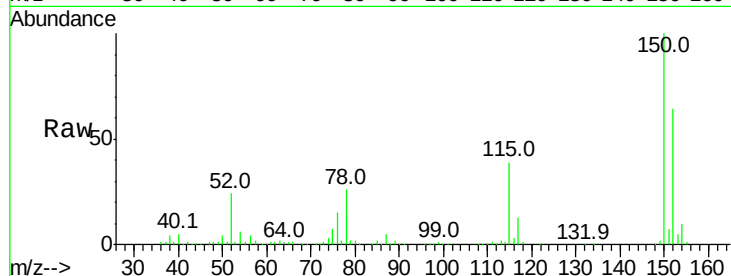
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Instrument :
BNA_F
ClientSampled :
S3-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	60.7	50.1	75.1

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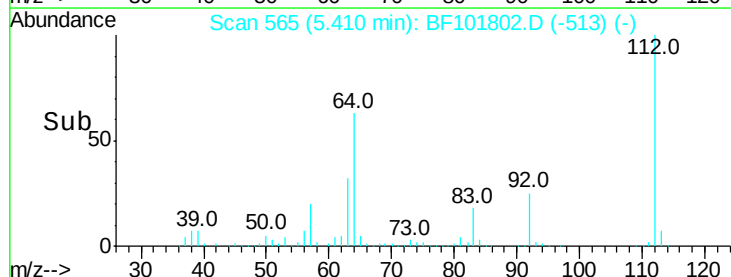
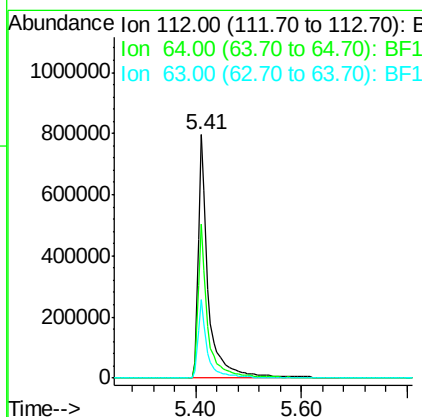
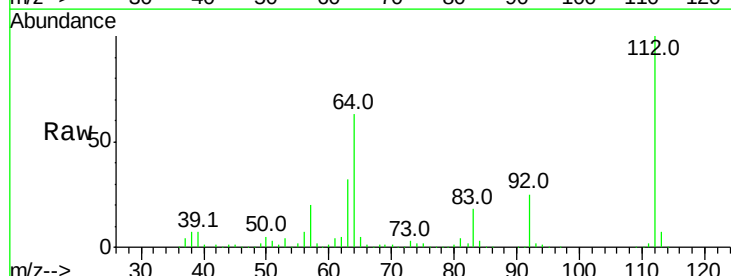
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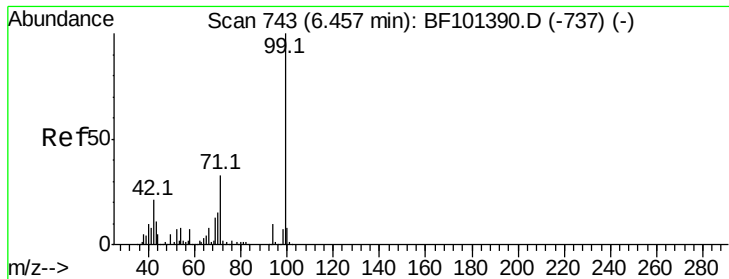


#5

2-Fluorophenol
Concen: 96.185 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.1	23.7	35.5





#7

Phenol-d6

Concen: 96.310 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101802.D

Acq: 28 Dec 2017 15:10

Instrument :

BNA_F

ClientSampleId :

S3-0-5

Tot Ion: 99 Resp: 1352830

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

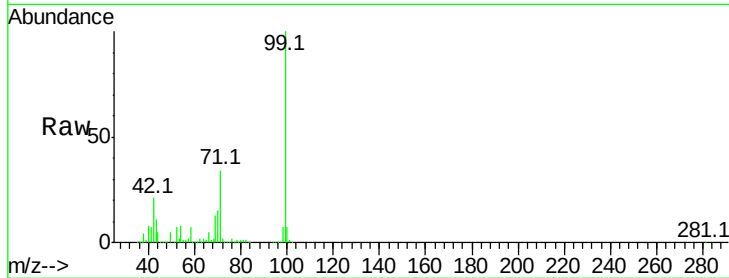
71 34.1 25.4 38.0

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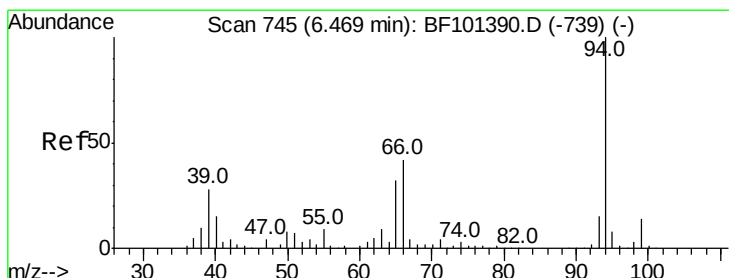
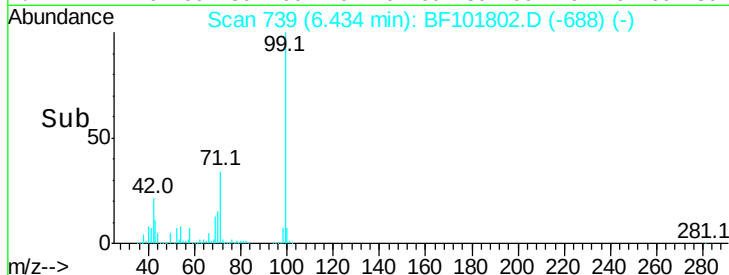
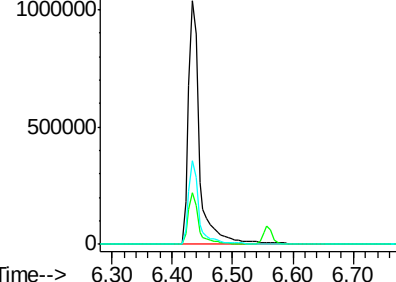
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.955 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101802.D

Acq: 28 Dec 2017 15:10

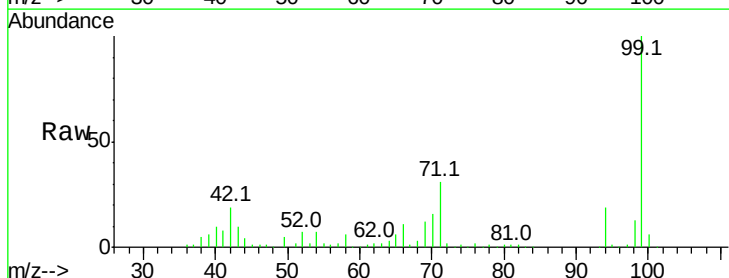
Tgt Ion: 94 Resp: 63312

Ion Ratio Lower Upper

94 100

65 30.6 7.9 47.9

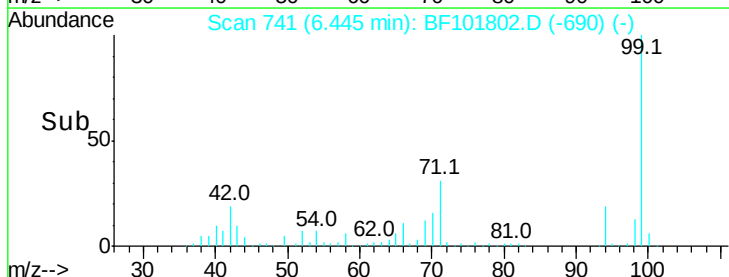
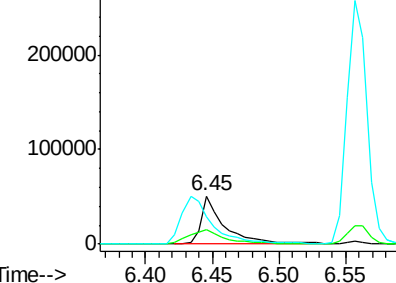
66 57.3 16.2 56.2#

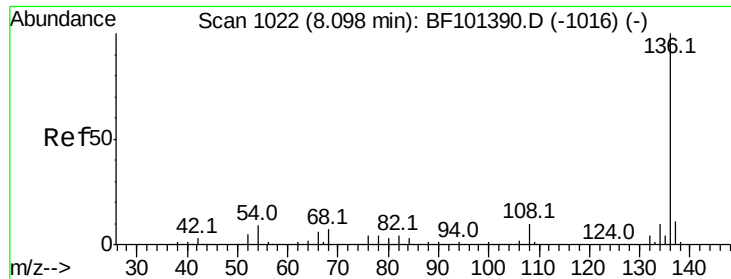


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





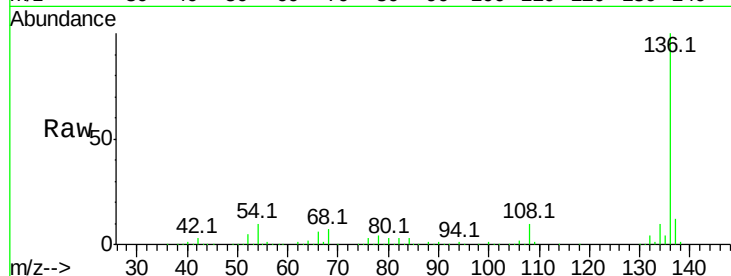
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Instrument :
BNA_F
ClientSampled :
S3-0-5

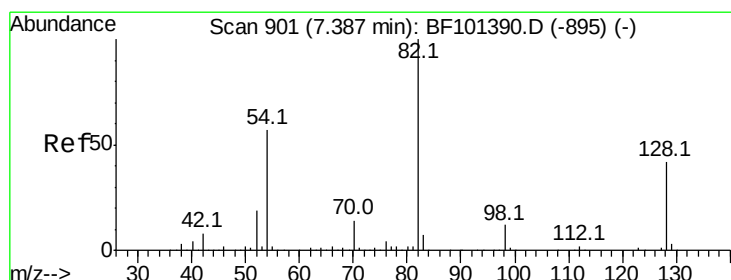
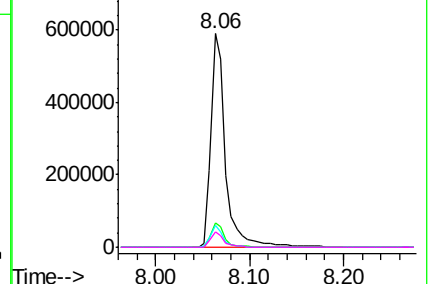
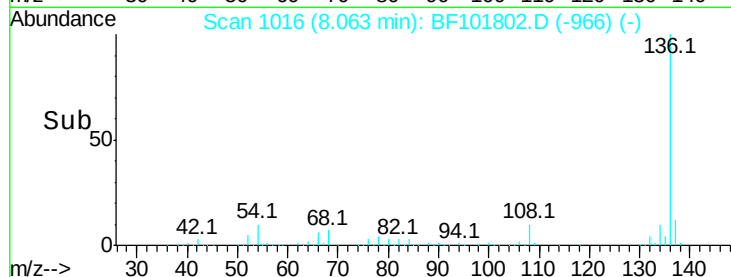
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.0	6.6	9.8
68	7.0	5.0	7.4

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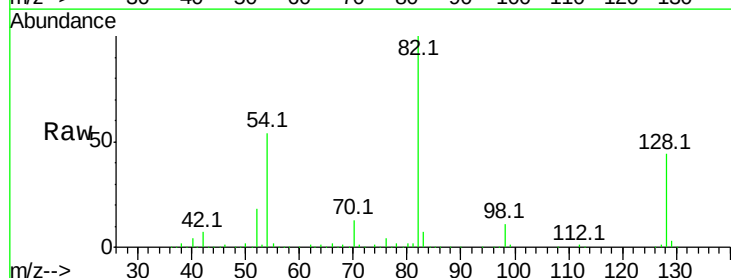


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

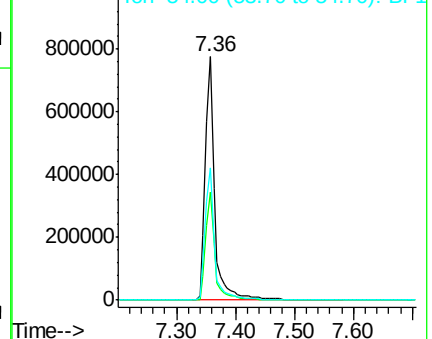
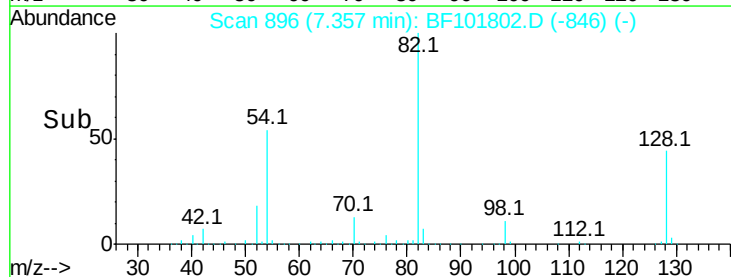


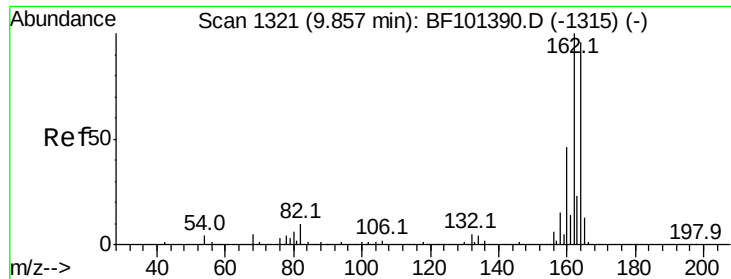
#23
Nitrobenzene-d5
Concen: 73.758 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.3	36.1	54.1
54	54.1	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





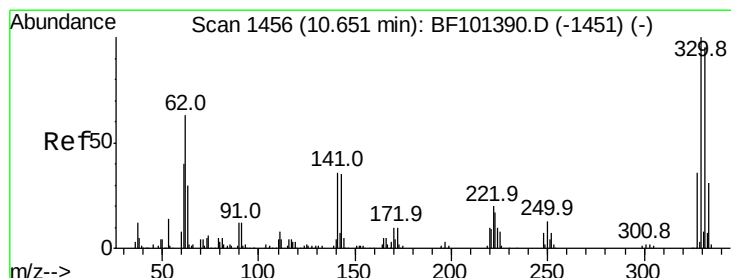
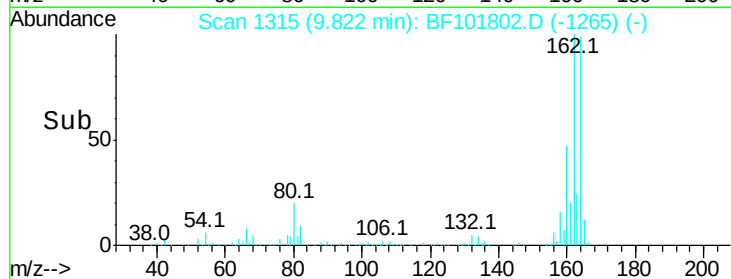
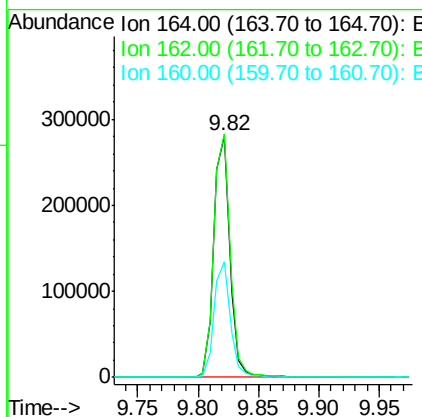
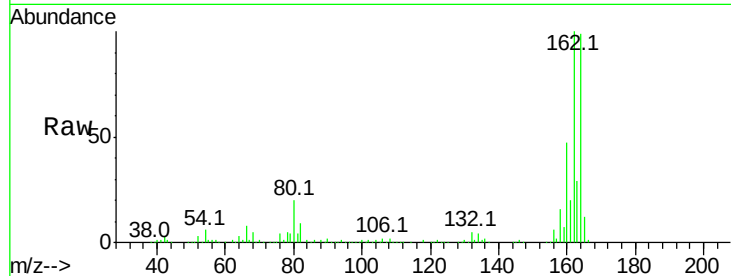
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101802.D
 Acq: 28 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampled :
 S3-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	258267		
162	100.9	86.1	129.1	
160	47.7	38.3	57.5	

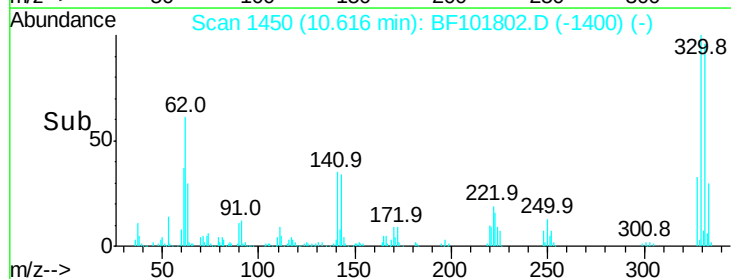
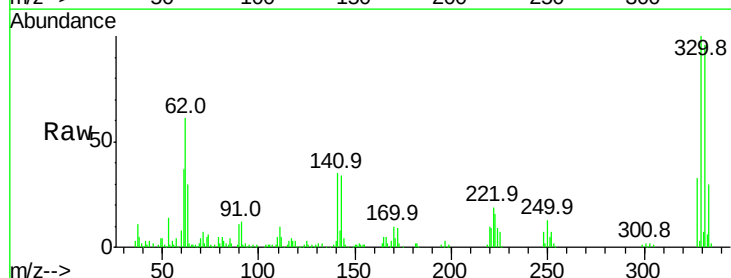
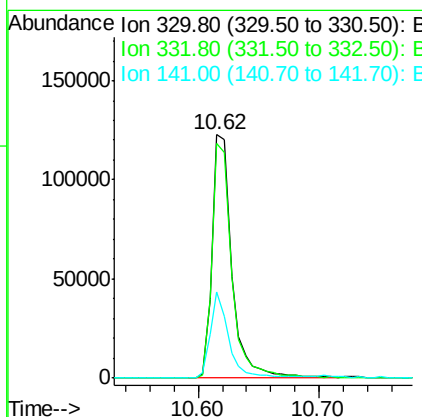
Manual Integrations
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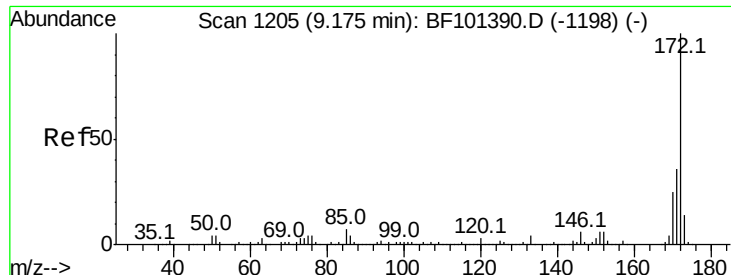
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#41
 2,4,6-Tribromophenol
 Concen: 55.852 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101802.D
 Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	138994		
332	96.5	77.0	115.6	
141	34.2	29.9	44.9	





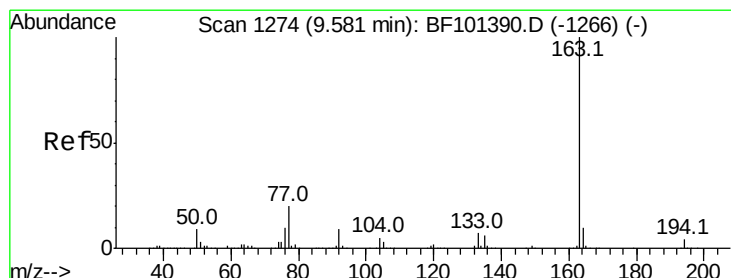
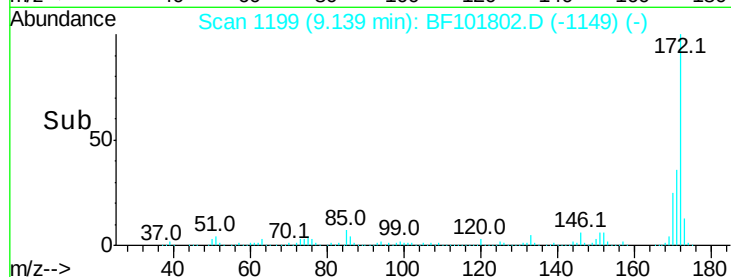
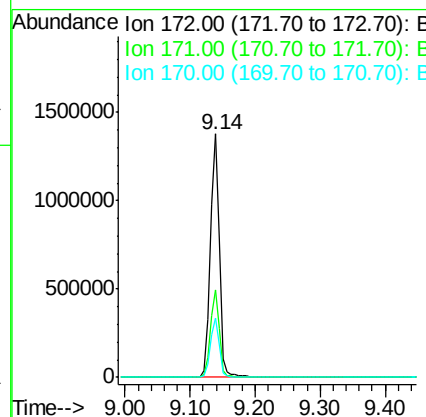
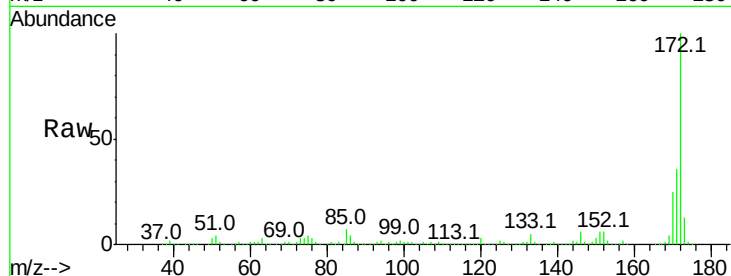
#44
2-Fluorobiphenyl
Concen: 79.220 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Instrument :
BNA_F
ClientSampleId :
S3-0-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.6	19.6	29.4

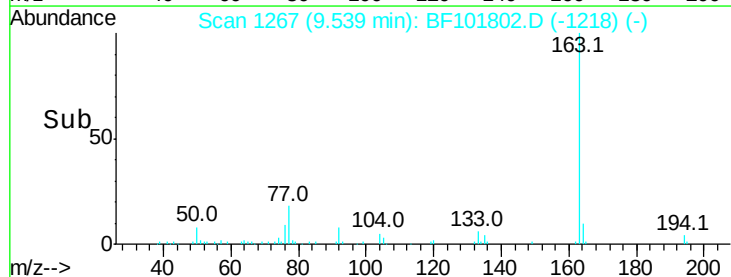
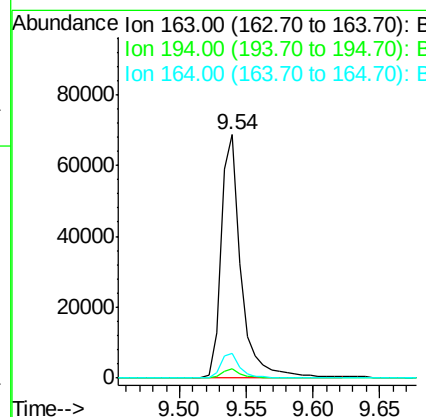
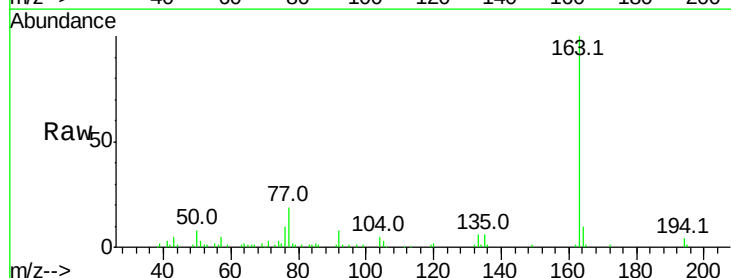
Manual Integrations
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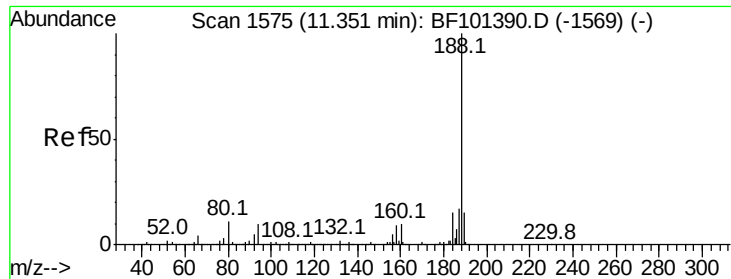
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#49
Dimethylphthalate
Concen: 3.482 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.9	8.2	12.2





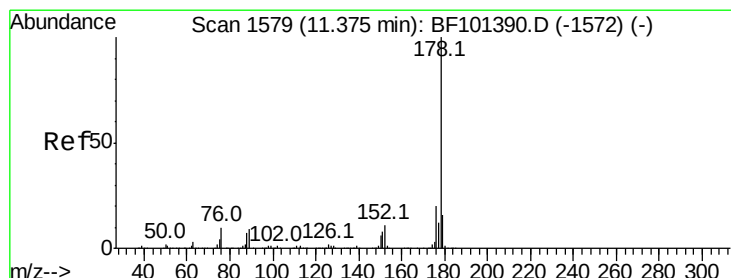
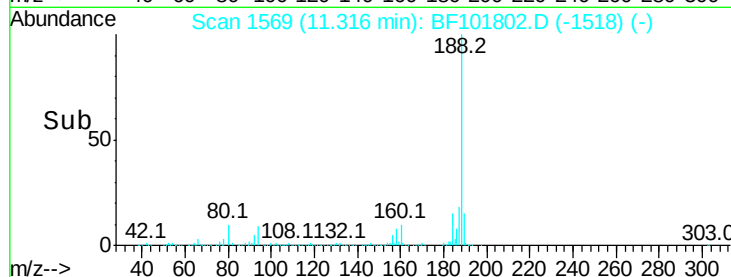
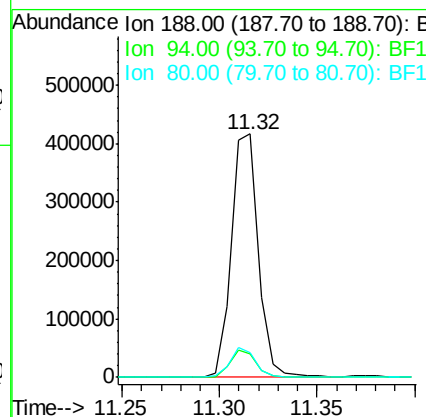
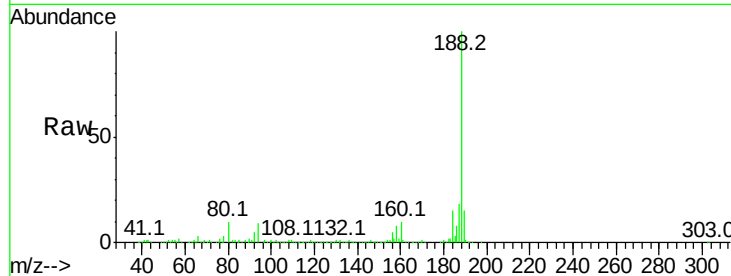
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Instrument :
BNA_F
ClientSampled :
S3-0-5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8

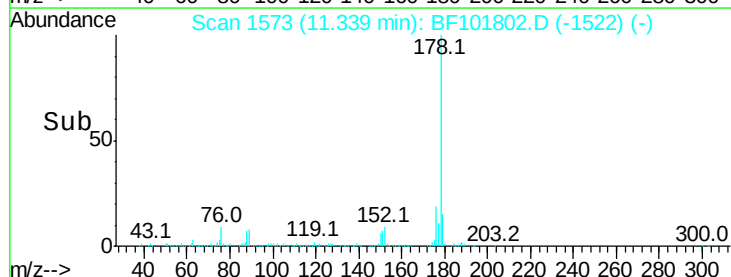
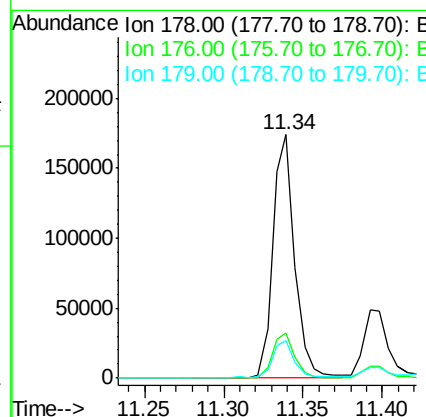
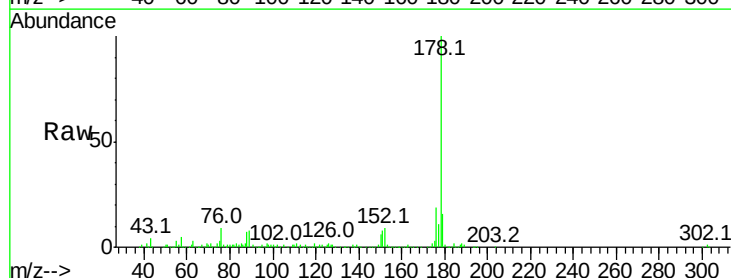
Manual Integrations
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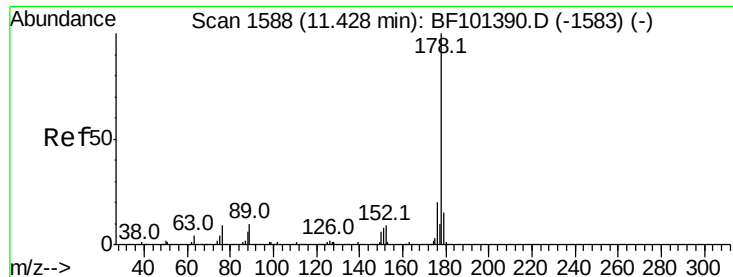
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#70
Phenanthrene
Concen: 7.536 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.6	13.0	19.6





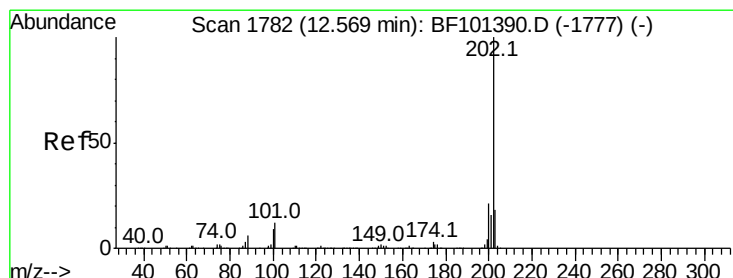
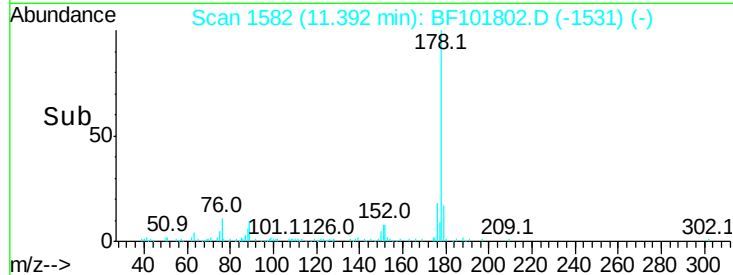
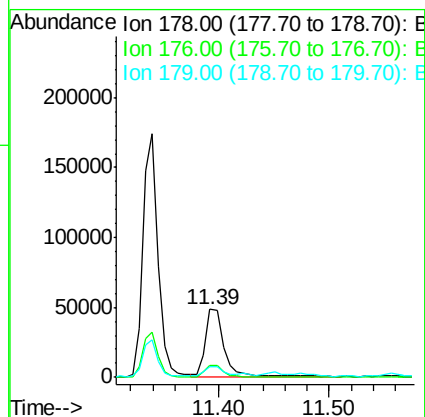
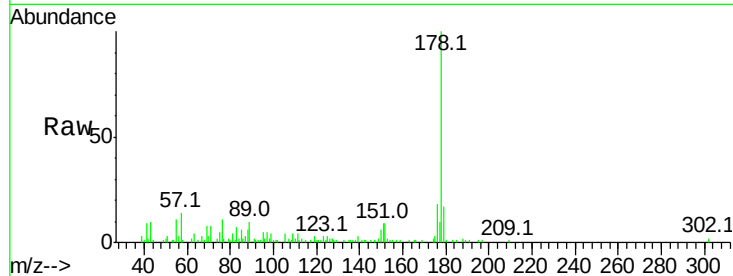
#71
 Anthracene
 Concen: 2.536 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF101802.D
 Acq: 28 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 S3-0-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.6	12.6	19.0

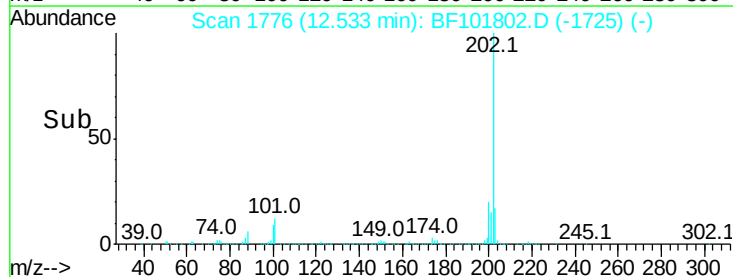
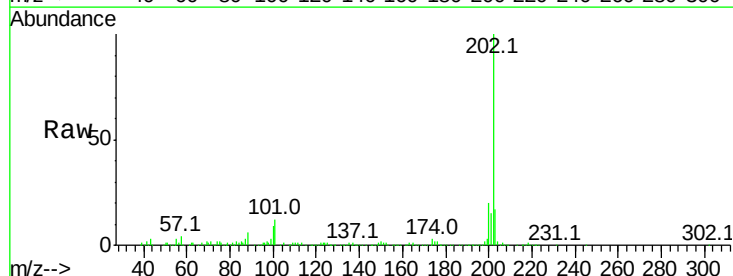
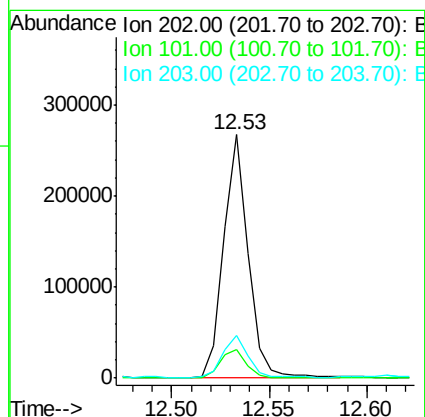
Manual Integrations
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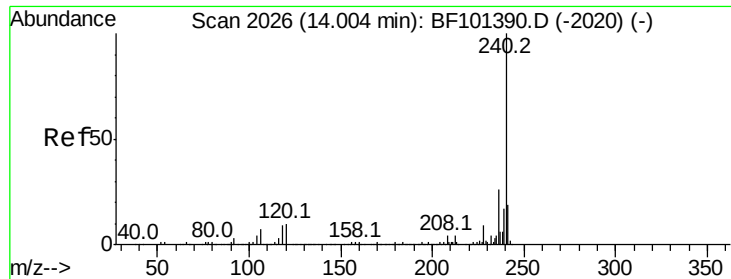
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#74
 Fluoranthene
 Concen: 10.082 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF101802.D
 Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101802.D

Acq: 28 Dec 2017 15:10

Instrument :

BNA_F

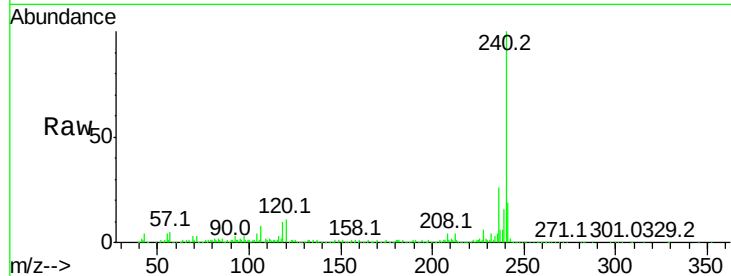
ClientSampleId :

S3-0-5

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.1	9.5	14.3	
236	25.8	20.7	31.1	

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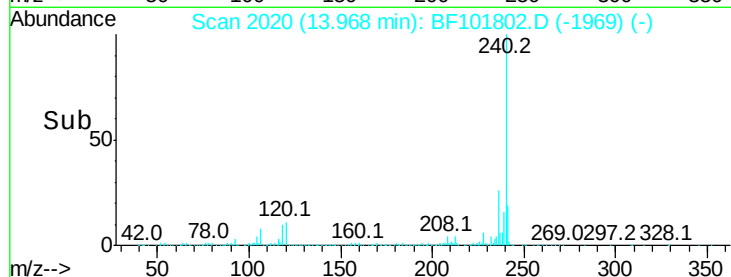


Abundance Ion 240.00 (239.70 to 240.70): E

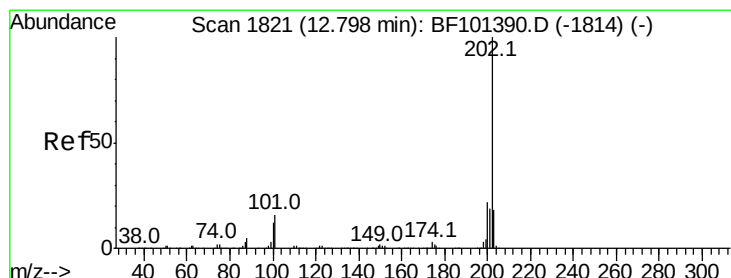
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.97



Time-->



#77

Pyrene

Concen: 11.968 ng

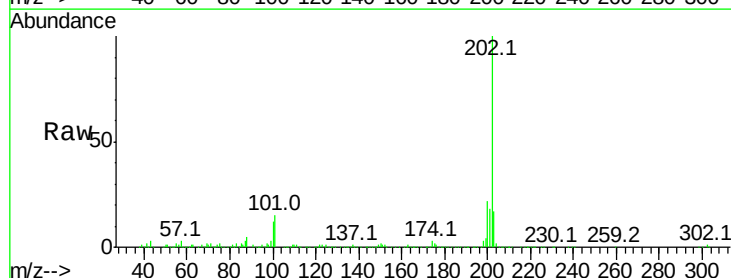
RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101802.D

Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.2	17.4	26.2	
203	17.5	14.3	21.5	

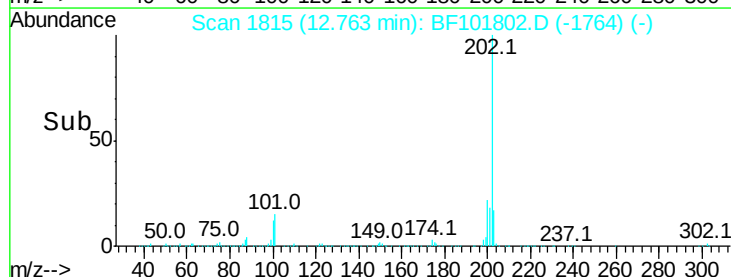


Abundance Ion 202.00 (201.70 to 202.70): E

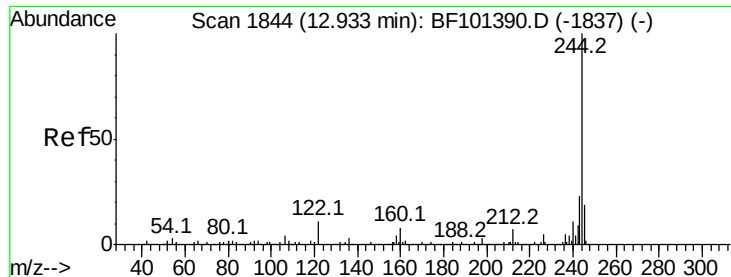
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.76



Time-->



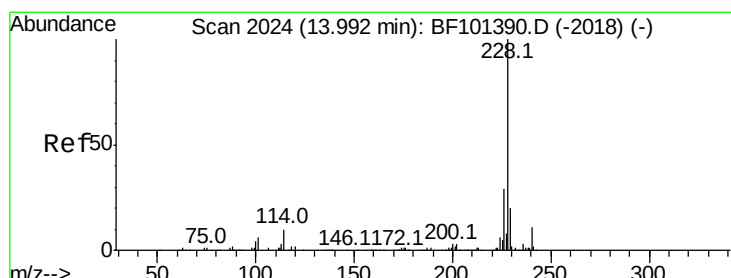
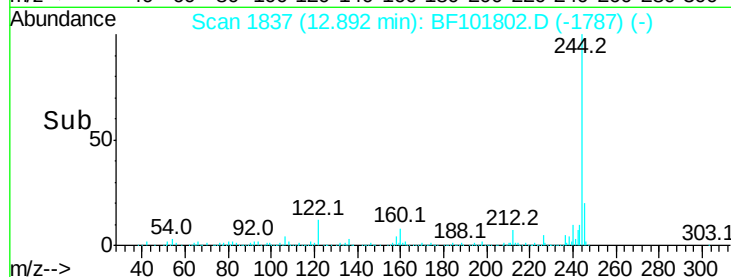
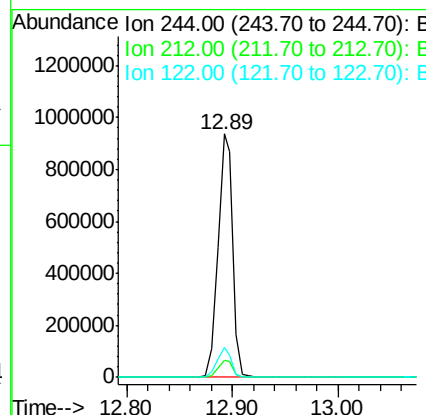
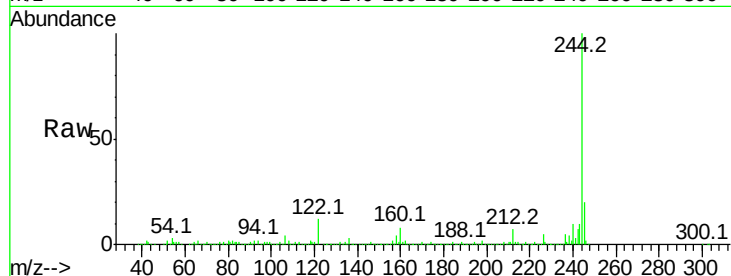
#78
 Terphenyl-d14
 Concen: 71.812 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101802.D
 Acq: 28 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 S3-0-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.2	11.0	16.4

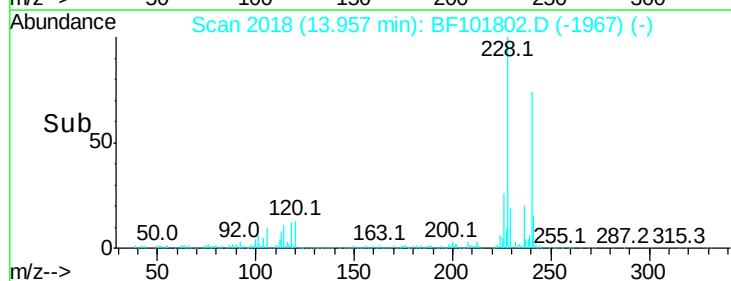
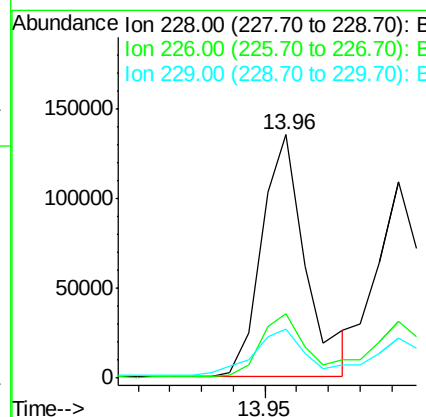
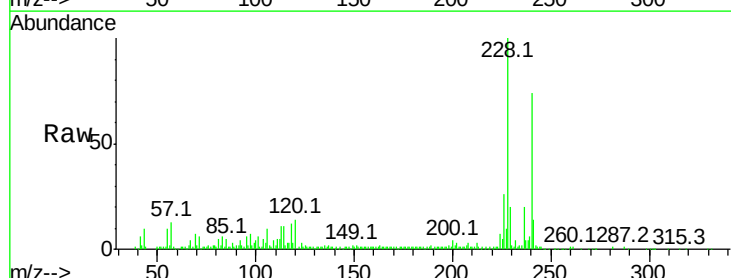
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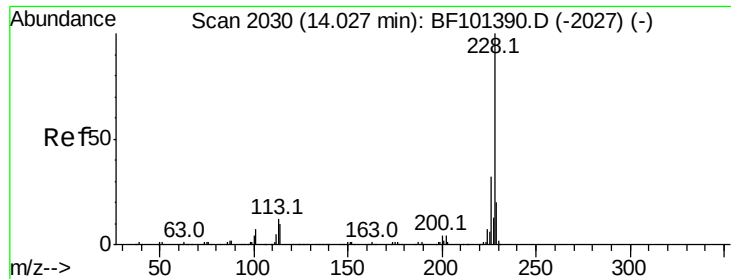
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#80
 Benzo(a)anthracene
 Concen: 6.367 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF101802.D
 Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	20.0	15.8	23.6





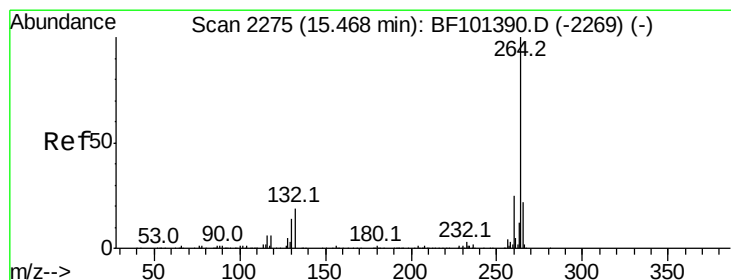
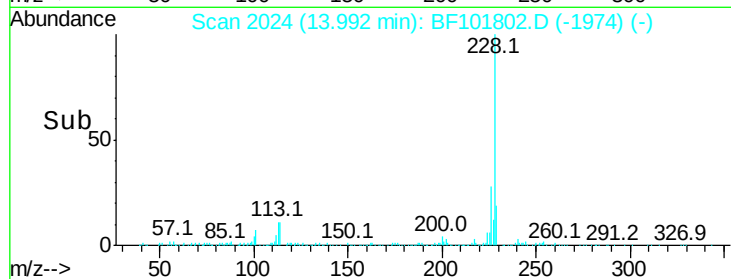
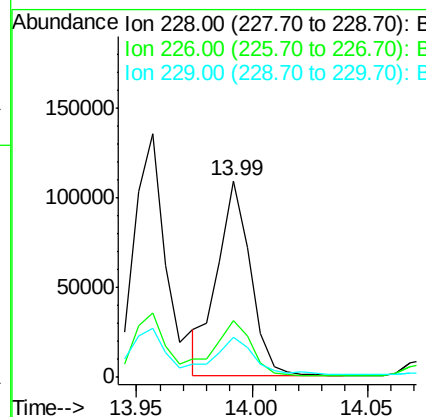
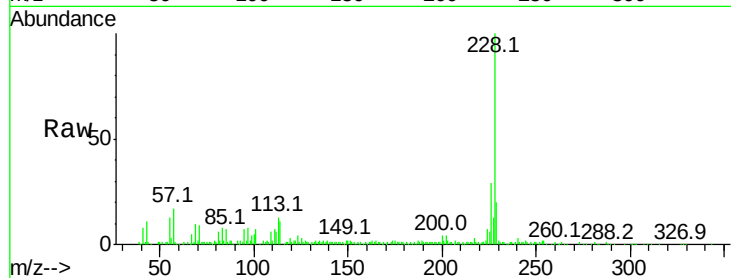
#82
Chrysene
Concen: 5.560 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Instrument :
BNA_F
ClientSampleId :
S3-0-5

Tot Ion:	228	Resp:	107864
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	20.2	16.2	24.4

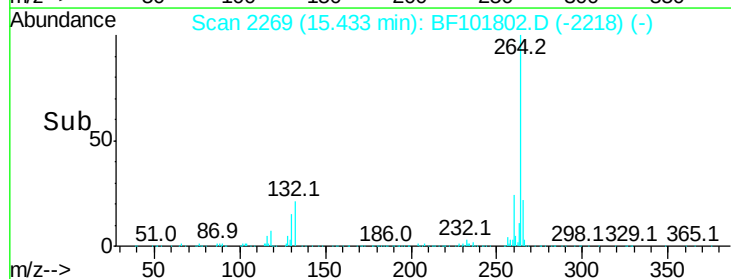
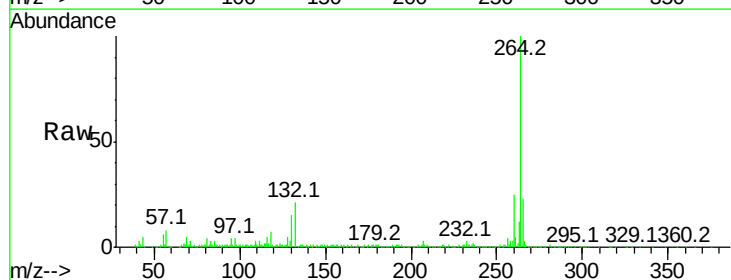
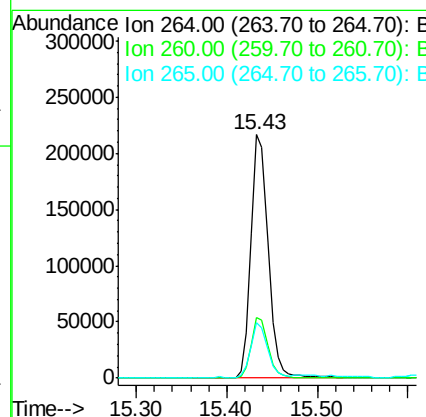
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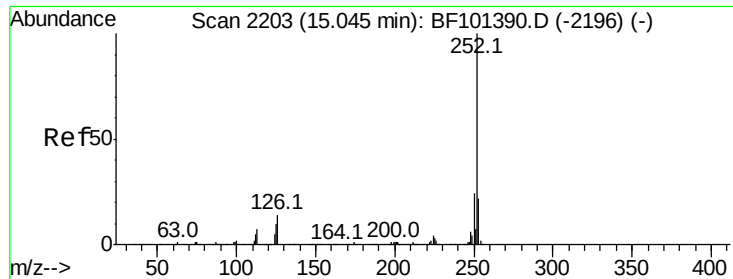
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Tgt Ion:	264	Resp:	288180
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.439 ng m

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101802.D

Acq: 28 Dec 2017 15:10

Instrument :

BNA_F

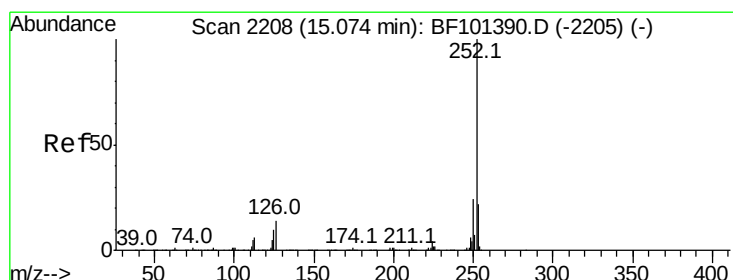
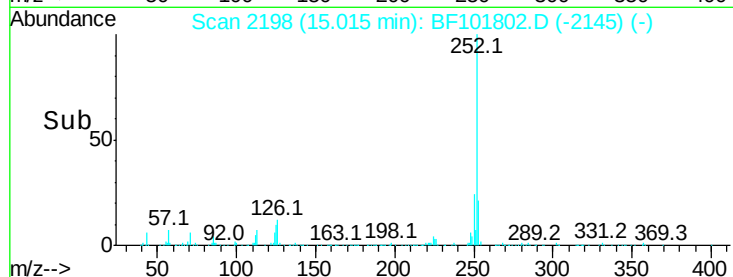
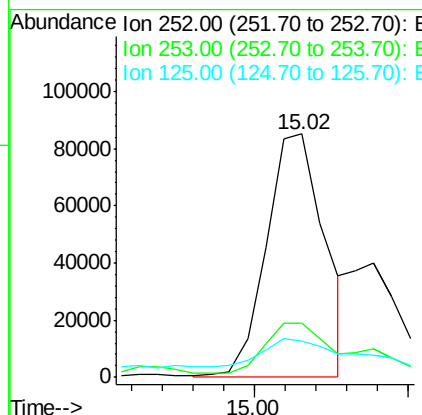
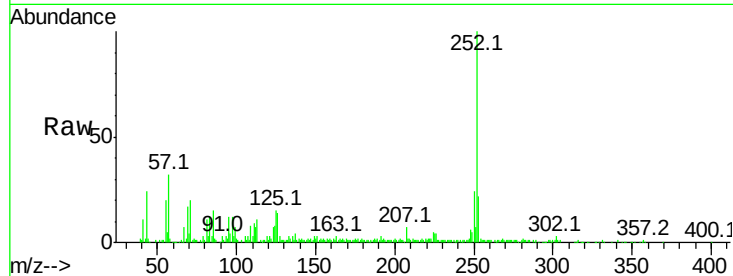
ClientSampled :

S3-0-5

Tot Ion:	252	Resp:	113104
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	14.8	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.722 ng m

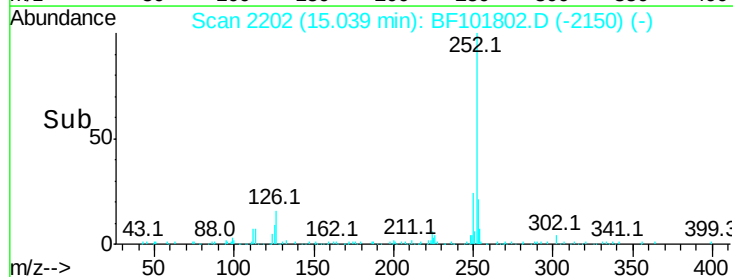
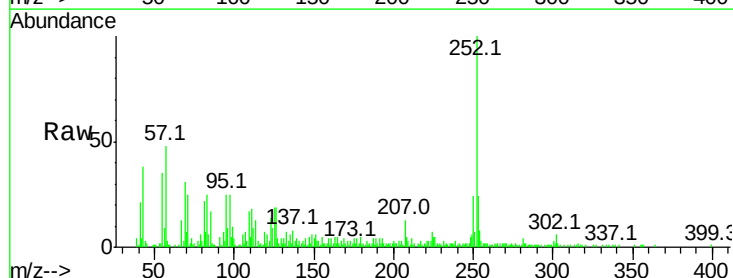
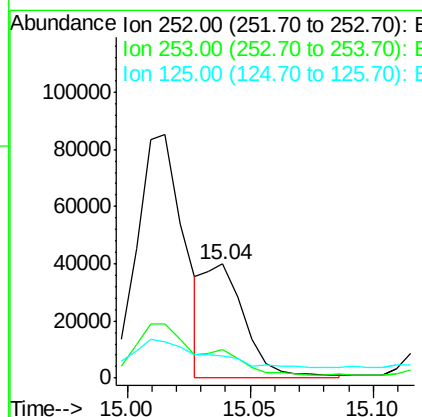
RT: 15.04 min Scan# 2202

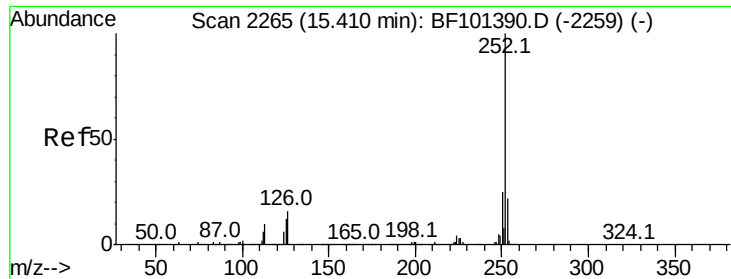
Delta R.T. 0.01 min

Lab File: BF101802.D

Acq: 28 Dec 2017 15:10

Tgt Ion:	252	Resp:	46492
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	19.2	10.2	15.2#





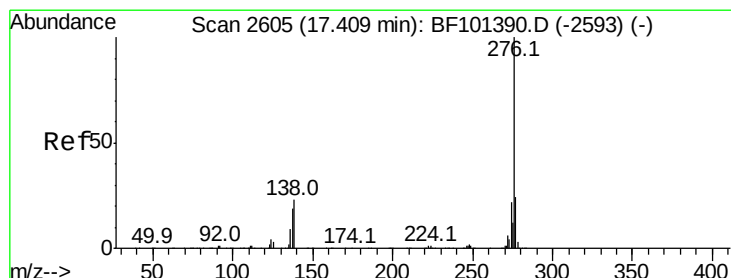
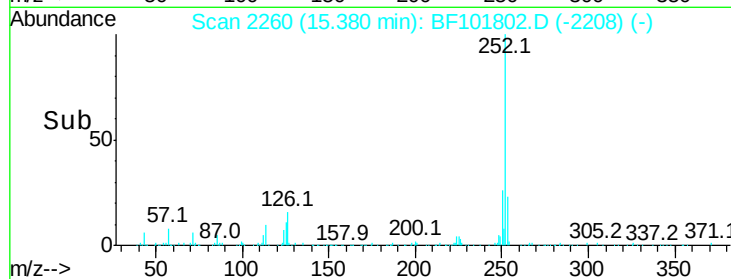
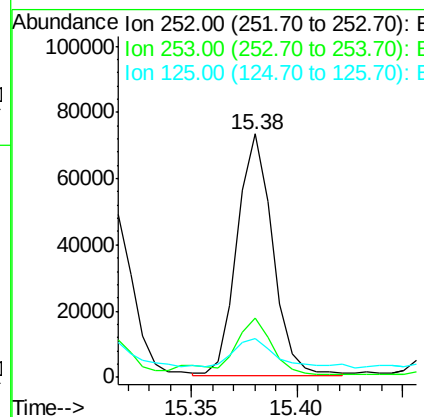
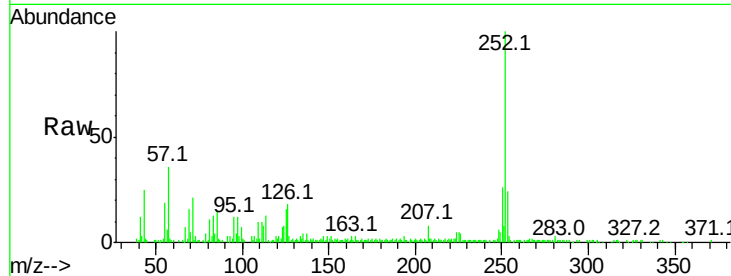
#89
Benzo(a)pyrene
Concen: 5.245 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Instrument :
BNA_F
ClientSampled :
S3-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	16.0	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.118 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101802.D
Acq: 28 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	24.1	21.8	32.8

