

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101805.D
 Acq On : 28 Dec 2017 16:31
 Operator : SJ/JU
 Sample : I6970-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-0-5

Manual Integrations
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 12/29/2017 11:55:14 AM

Quant Time: Dec 28 17:04:25 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	146244	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	559139	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	219804	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	344536	20.00	ng	0.00
75) Chrysene-d12	13.96	240	298258	20.00	ng	0.00
86) Perylene-d12	15.43	264	275238	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	971616	98.96	ng	0.00
7) Phenol-d6	6.43	99	1150107	94.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	704607	70.15	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	193389	91.31	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1012861	71.48	ng	0.00
78) Terphenyl-d14	12.89	244	755762	61.09	ng	0.00
Target Compounds						
10) Phenol	6.45	94	42528	3.054	ng	# 63
49) Dimethylphthalate	9.54	163	52025	2.943	ng	# 98
70) Phenanthrene	11.34	178	186287	9.723	ng	96
71) Anthracene	11.40	178	52811	2.698	ng	97
74) Fluoranthene	12.53	202	159374	7.925	ng	98
77) Pyrene	12.76	202	187078	8.358	ng	100
80) Benzo(a)anthracene	13.96	228	78264	3.974	ng	99
82) Chrysene	13.99	228	73725	3.965	ng	99
87) Benzo(b)fluoranthene	15.02	252	70416m	4.197	ng	
89) Benzo(a)pyrene	15.38	252	53757	3.476	ng	# 91
91) Benzo(g,h,i)perylene	17.39	276	30236	2.300	ng	96

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

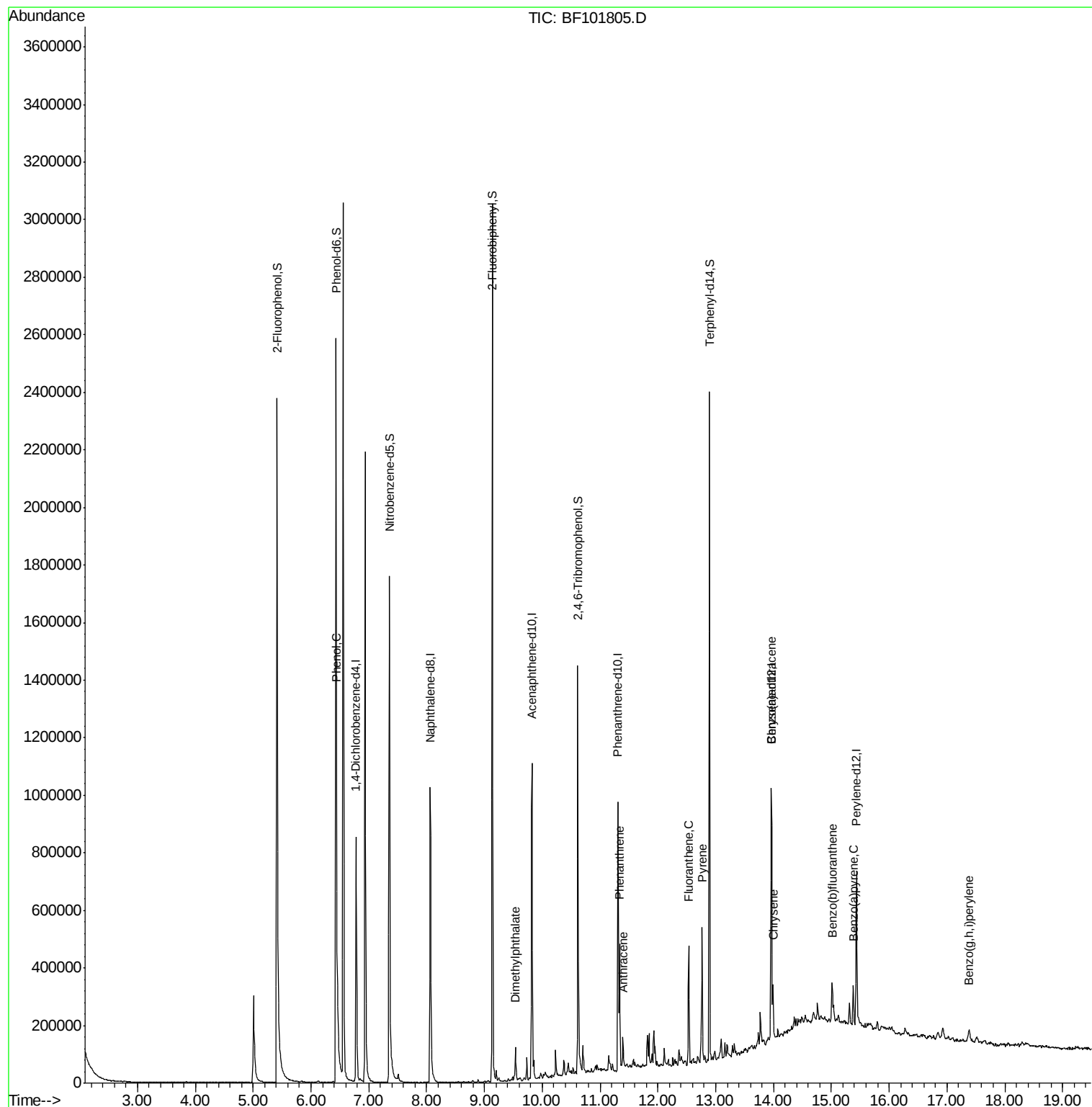
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101805.D
Acq On : 28 Dec 2017 16:31
Operator : SJ/JU
Sample : I6970-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

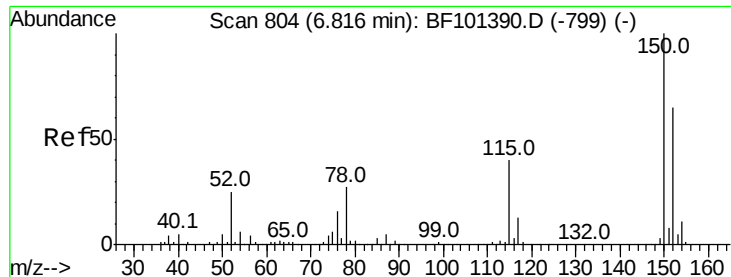
Instrument :
BNA_F
ClientSampleId :
S6-0-5

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Response via : Initial Calibration





#1

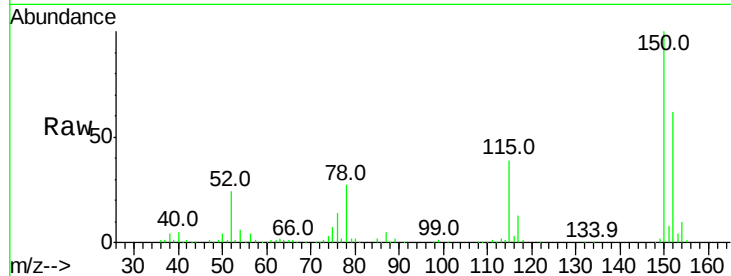
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampled :
S6-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	62.8	50.1	75.1

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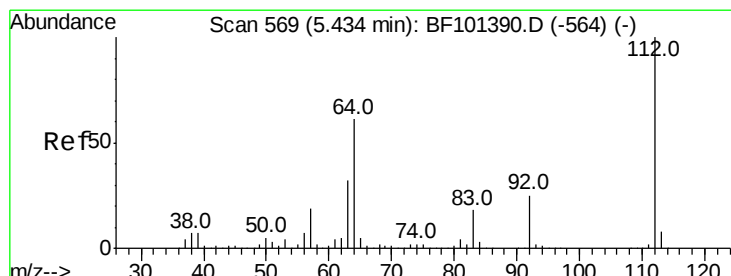
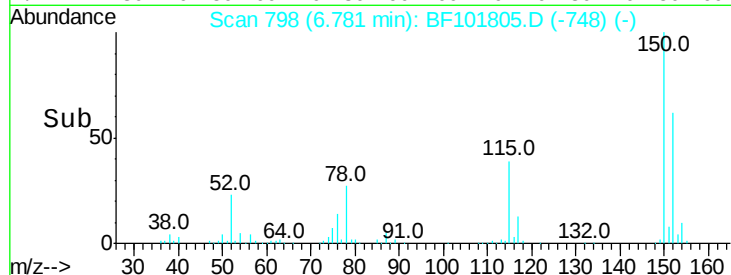
Abundance

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

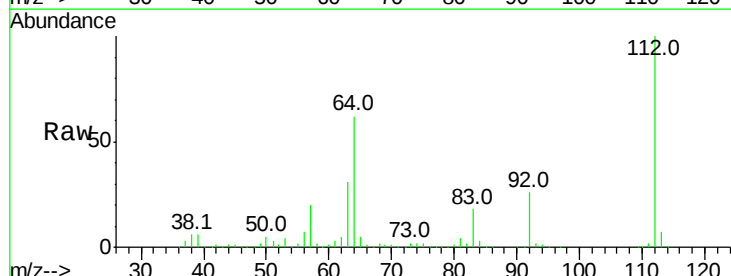
Time-->



#5

2-Fluorophenol
Concen: 98.965 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	31.2	23.7	35.5



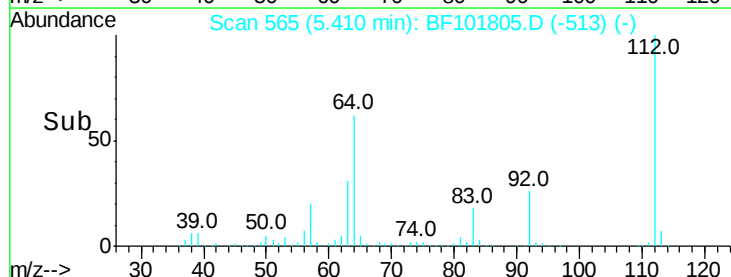
Abundance

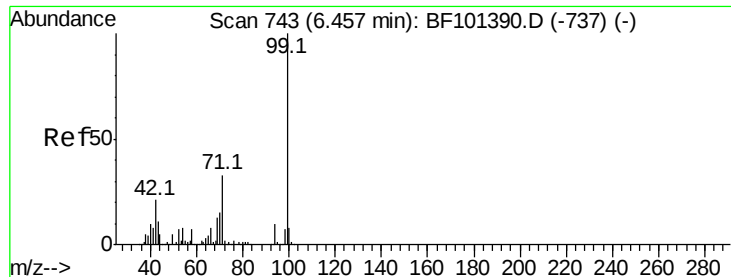
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 94.127 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

ClientSampleId :

S6-0-5

Tot Ion: 99 Resp: 1150107

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

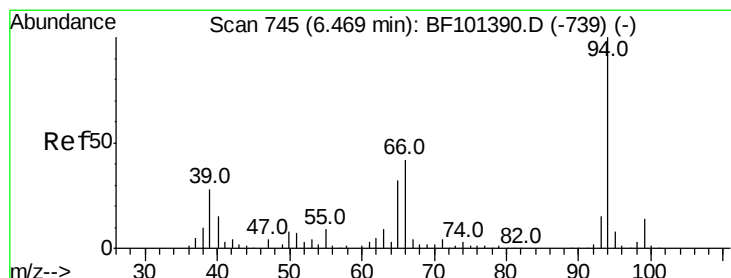
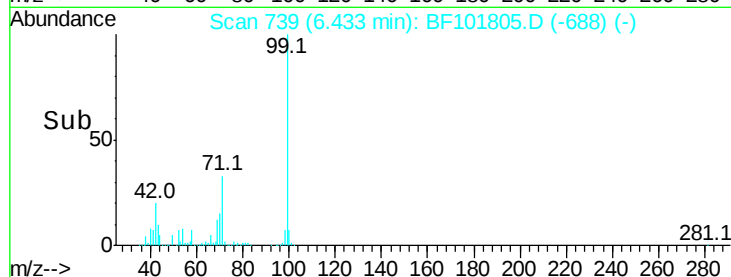
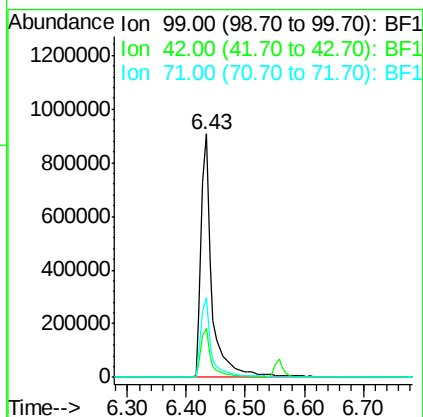
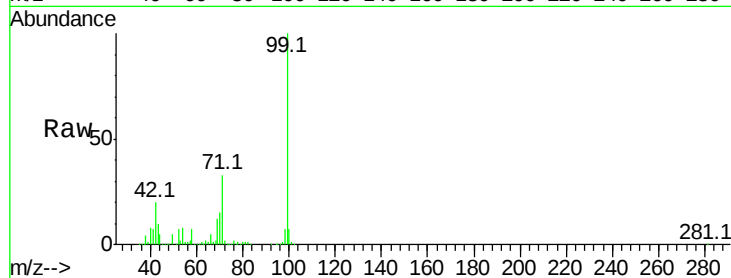
71 32.7 25.4 38.0

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#10

Phenol

Concen: 3.054 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

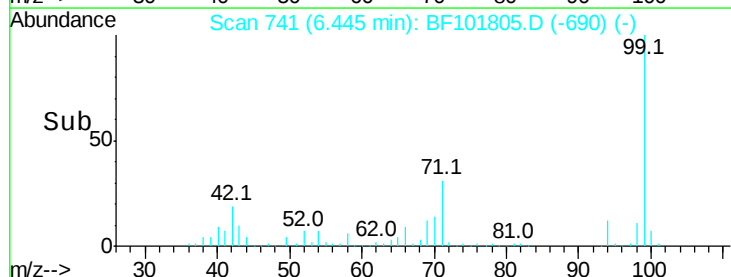
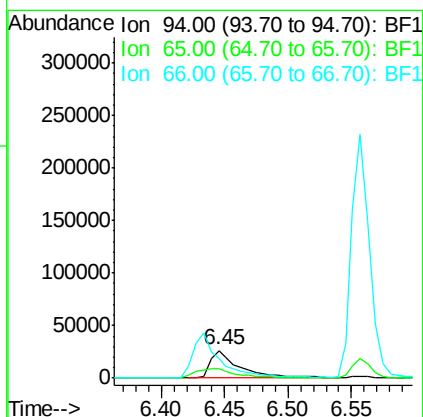
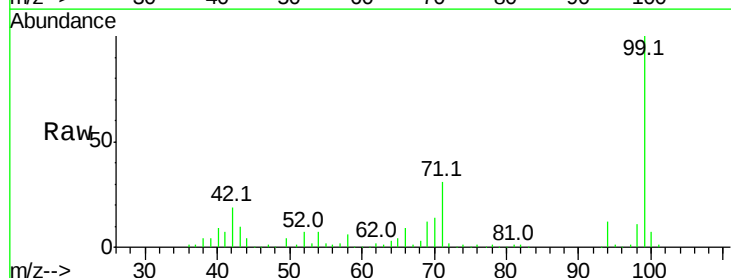
Tgt Ion: 94 Resp: 42528

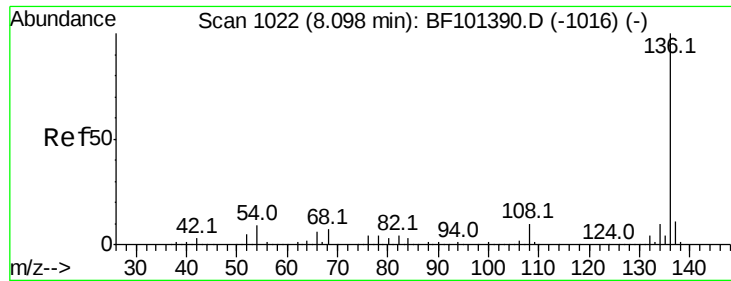
Ion Ratio Lower Upper

94 100

65 34.7 7.9 47.9

66 69.2 16.2 56.2#





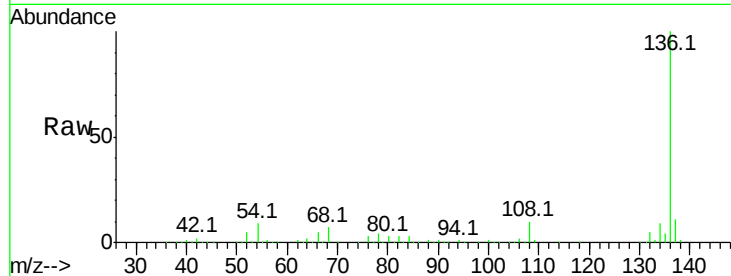
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampleId :
S6-0-5

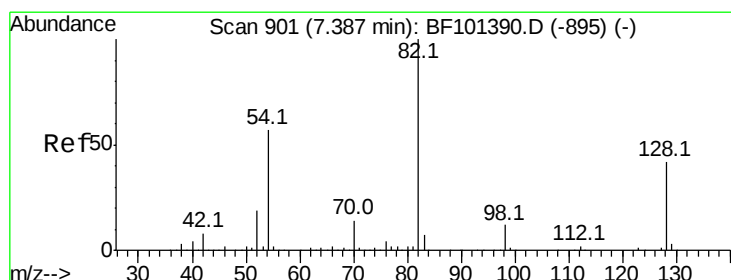
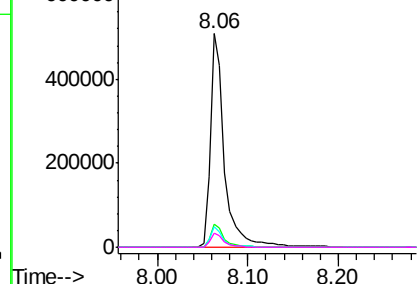
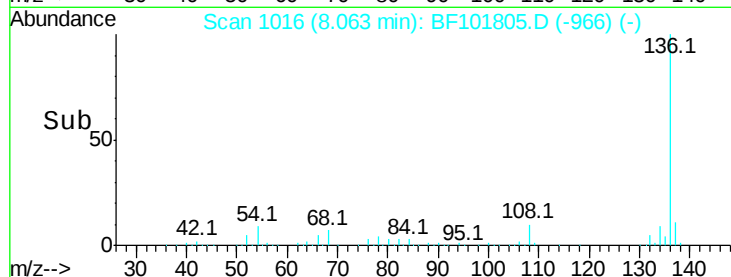
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	6.6	9.8
68	6.7	5.0	7.4

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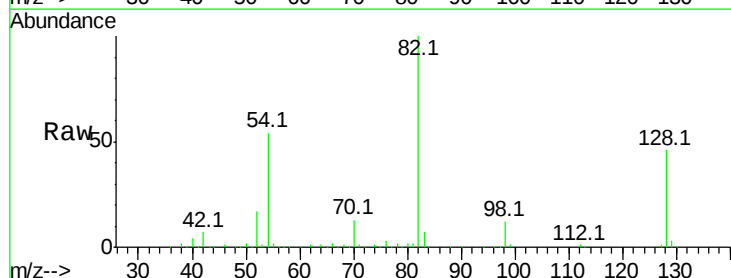


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

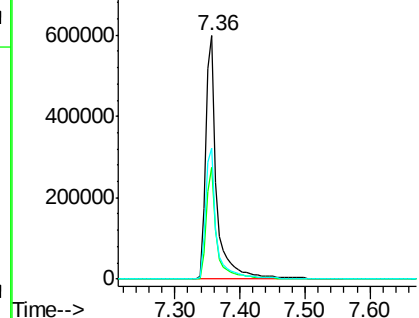
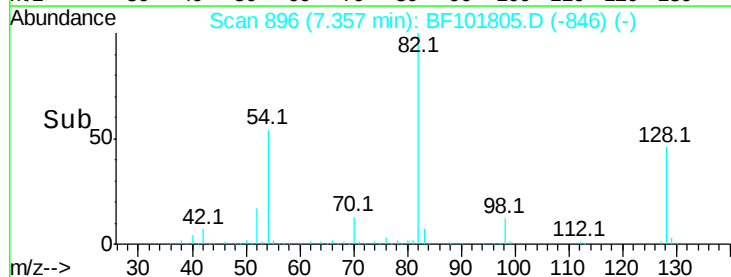


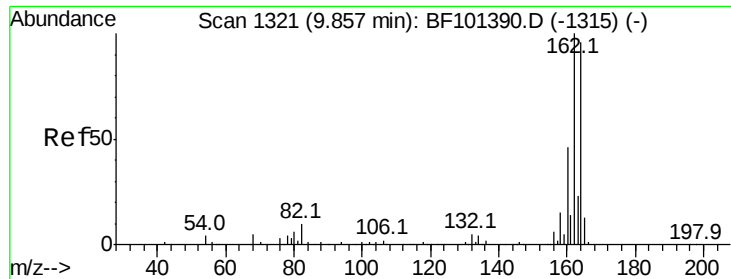
#23
Nitrobenzene-d5
Concen: 70.148 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.0	36.1	54.1
54	53.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





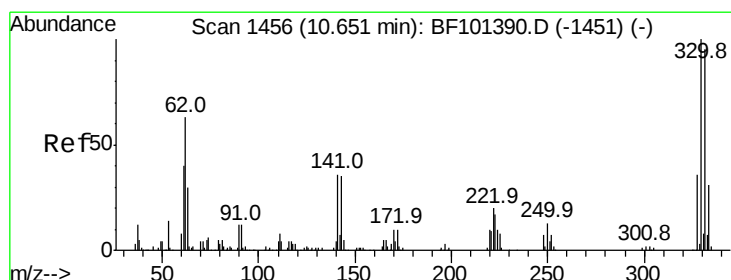
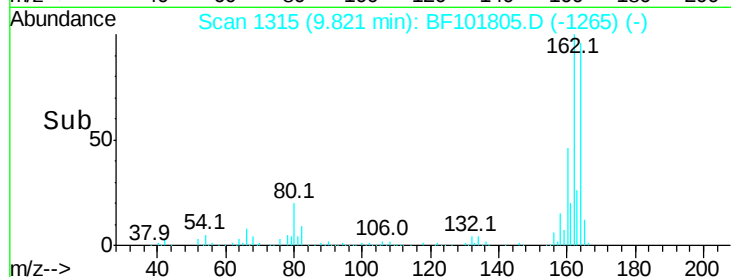
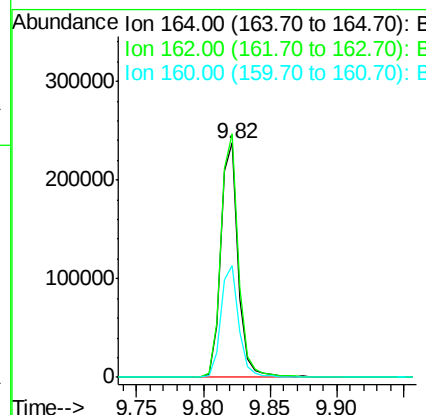
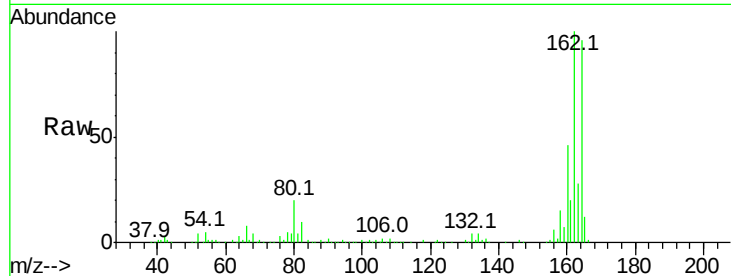
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampleId :
S6-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	219804		
162	103.9	86.1	129.1	
160	47.8	38.3	57.5	

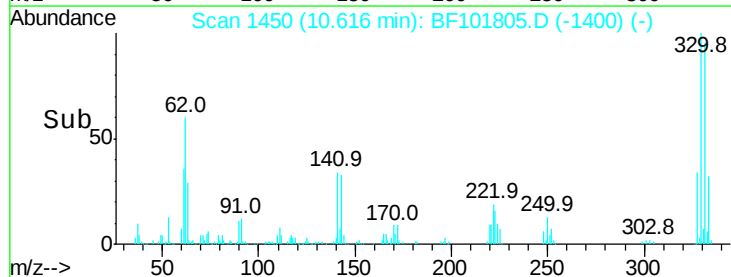
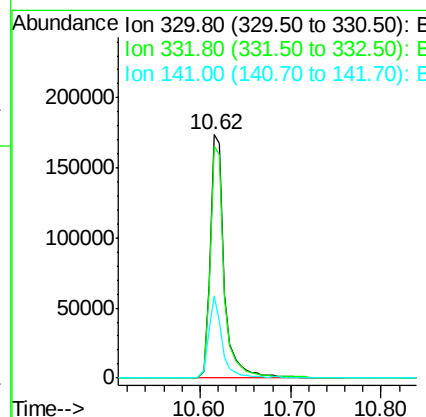
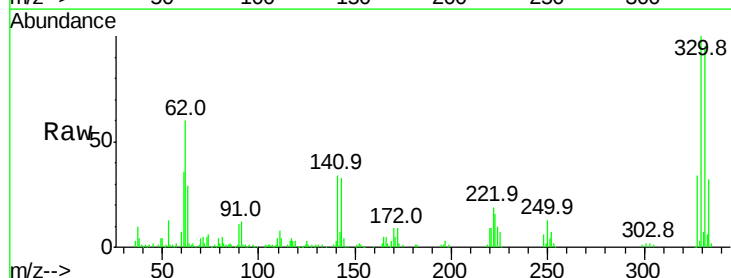
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#41
2,4,6-Tribromophenol
Concen: 91.308 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	193389		
332	95.0	77.0	115.6	
141	31.9	29.9	44.9	





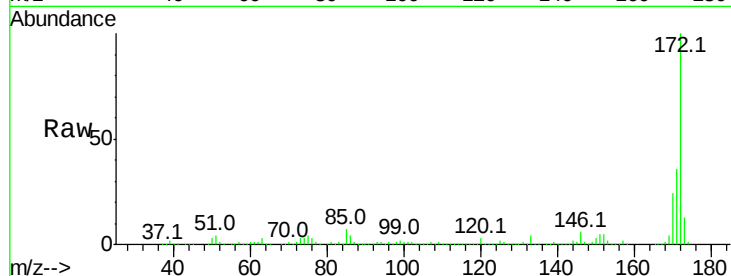
#44
2-Fluorobiphenyl
Concen: 71.481 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampled :
S6-0-5

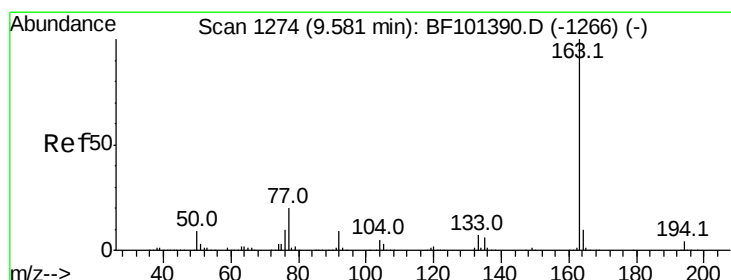
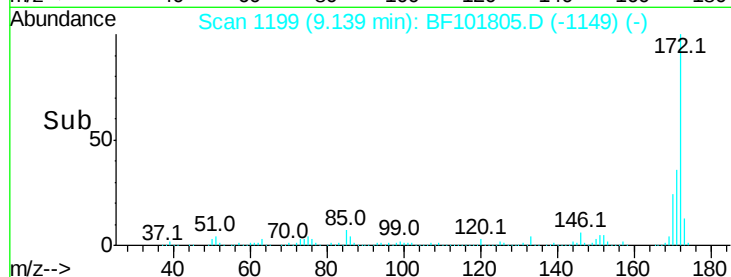
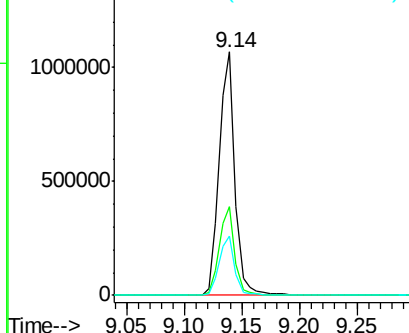
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4

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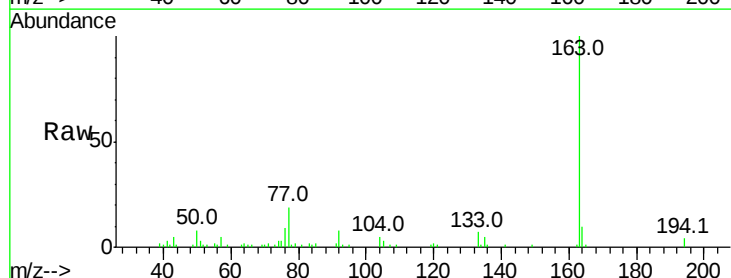


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

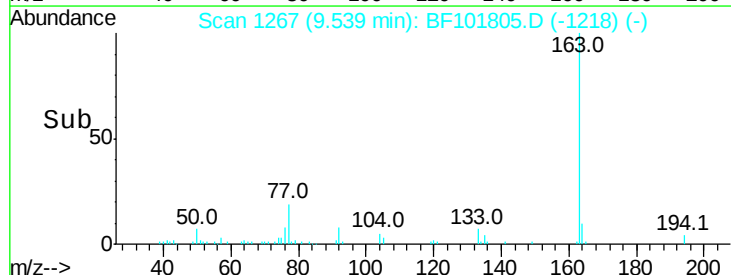
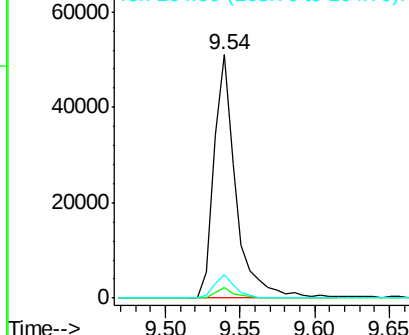


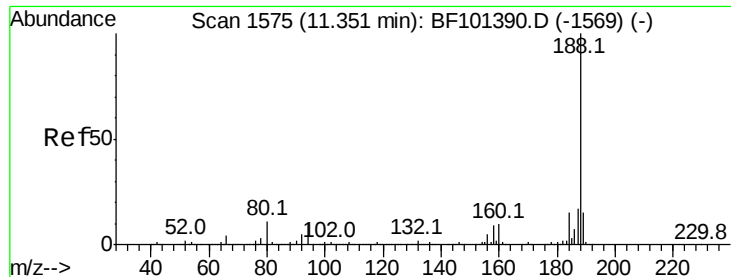
#49
Dimethylphthalate
Concen: 2.943 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.7	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

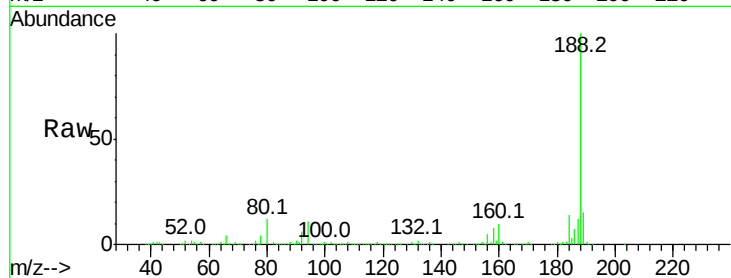
ClientSampled :

S6-0-5

Tot Ion:	188	Resp:	344536
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	12.1	9.2	13.8

Manual Integrations
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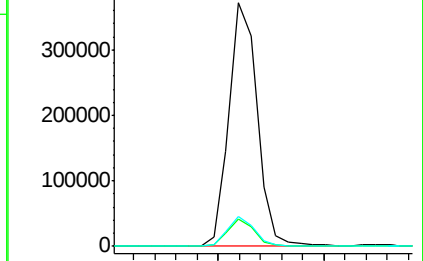
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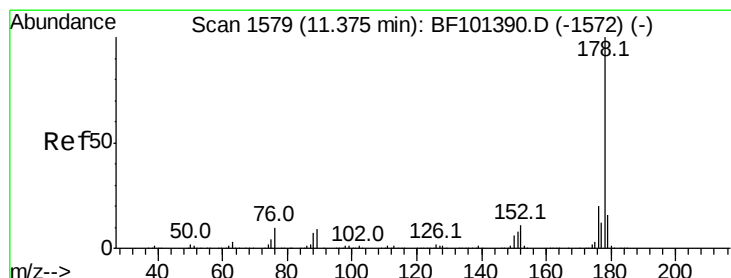
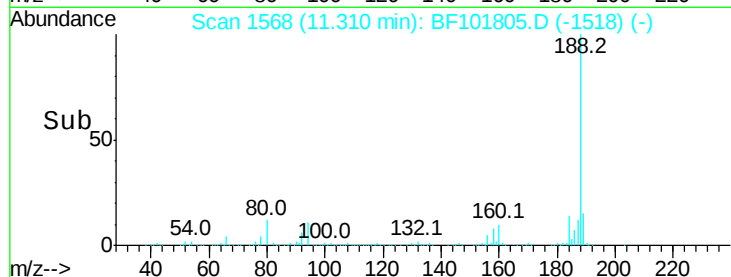
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#70

Phenanthrene

Concen: 9.723 ng

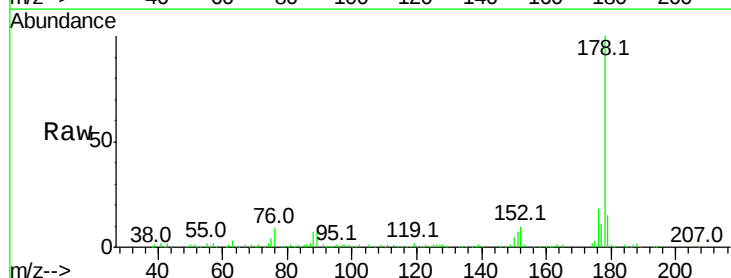
RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

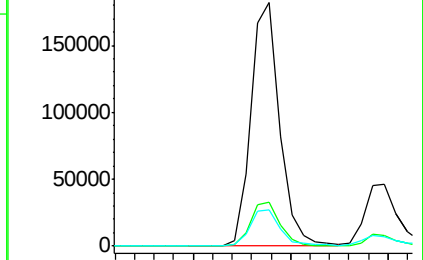
Tgt Ion:	178	Resp:	186287
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.8	23.8
179	14.9	13.0	19.6



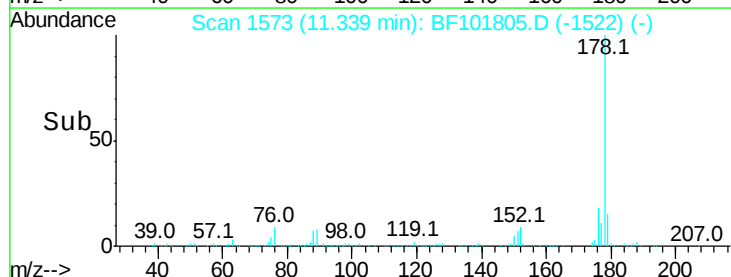
Abundance Ion 178.00 (177.70 to 178.70): E

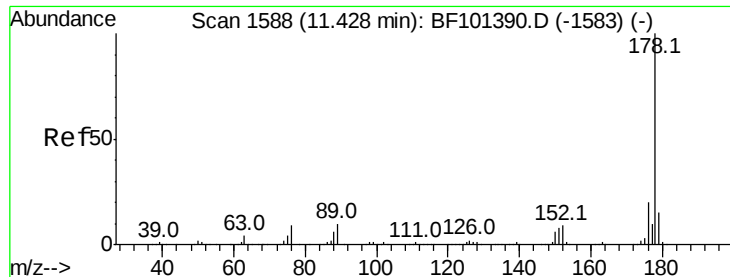
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





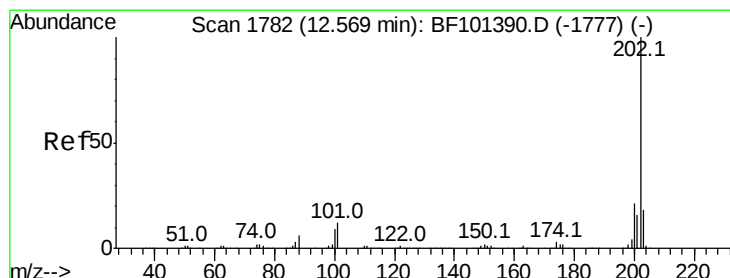
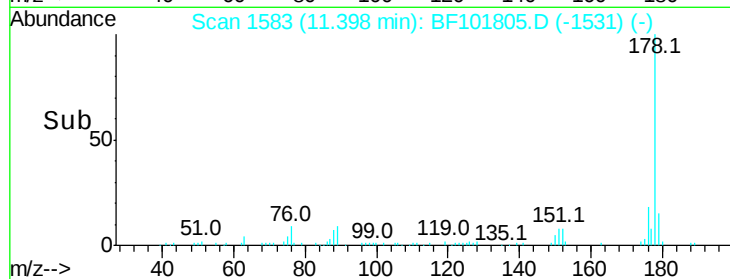
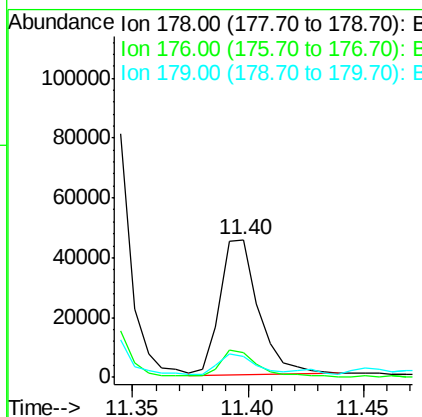
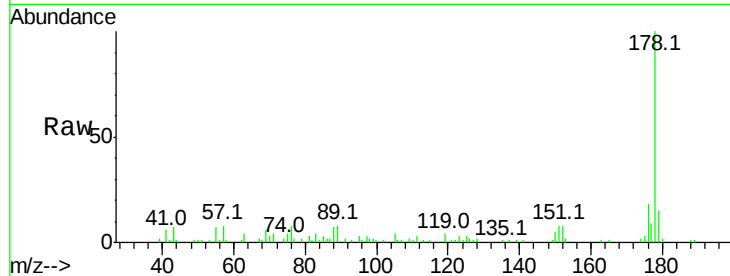
#71
 Anthracene
 Concen: 2.698 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Instrument :
 BNA_F
 ClientSampleId :
 S6-0-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.7	12.6	19.0

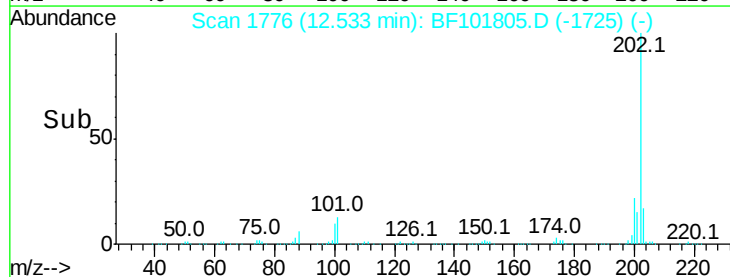
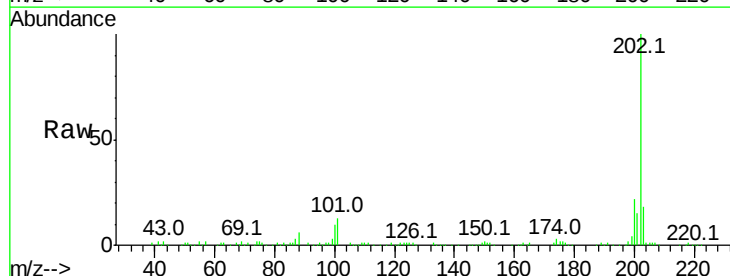
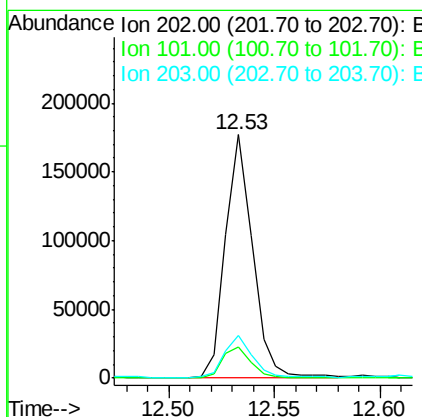
Manual Integrations
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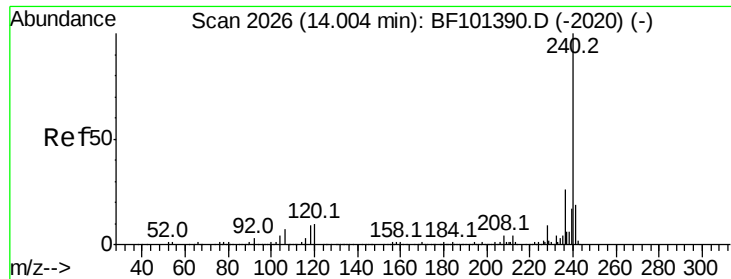
Sohil
 12/29/2017 11:55:14 AM



#74
 Fluoranthene
 Concen: 7.925 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Instrument :

BNA_F

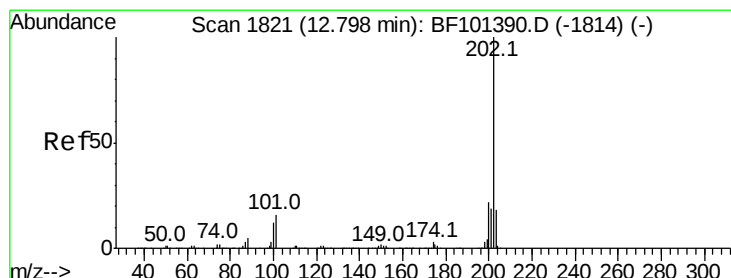
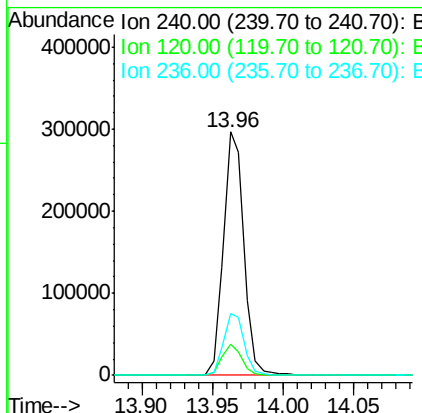
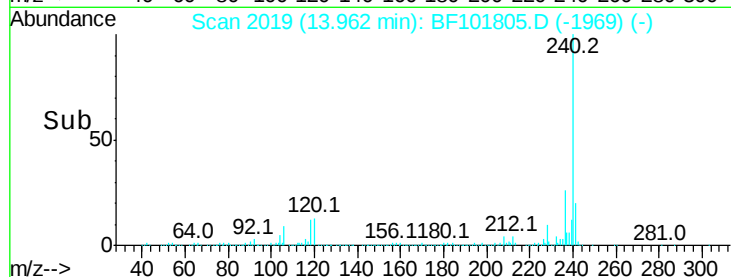
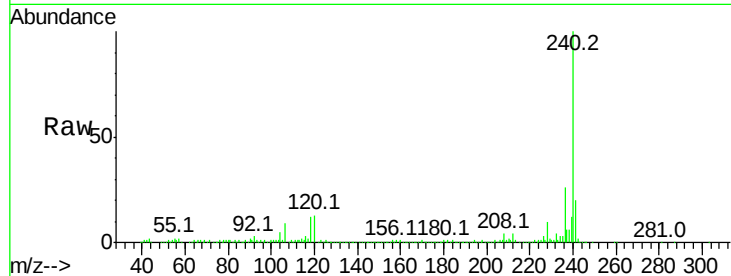
ClientSampled :

S6-0-5

Tot Ion:	240	Resp:	298258
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 8.358 ng

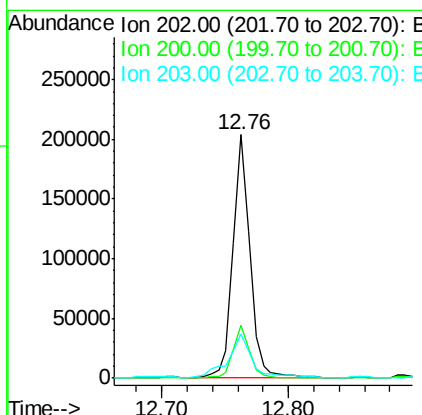
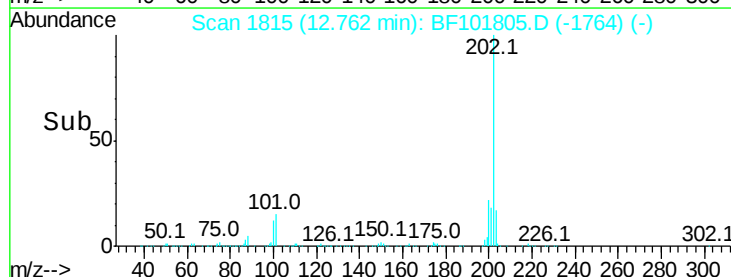
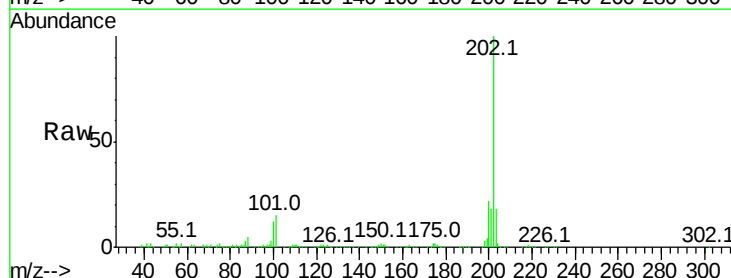
RT: 12.76 min Scan# 1815

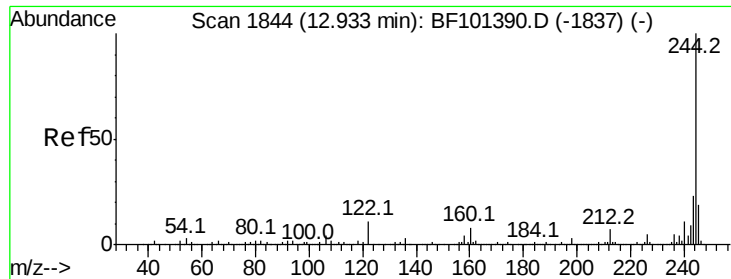
Delta R.T. -0.00 min

Lab File: BF101805.D

Acq: 28 Dec 2017 16:31

Tgt Ion:	202	Resp:	187078
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5





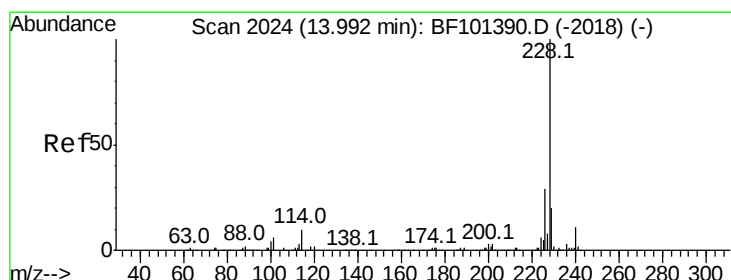
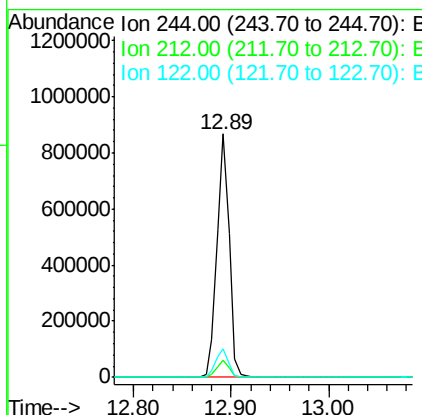
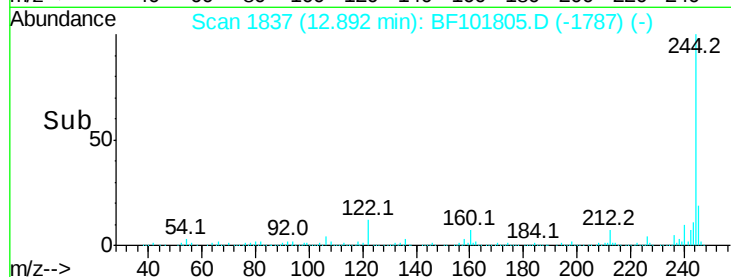
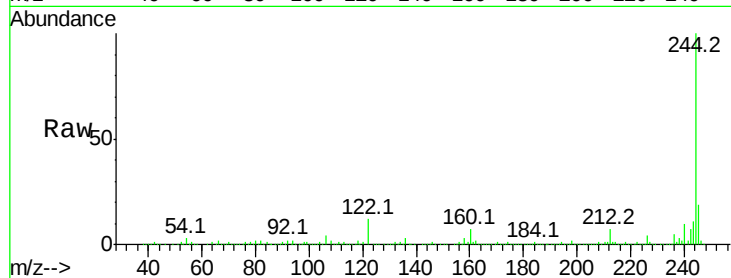
#78
 Terphenyl-d14
 Concen: 61.087 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Instrument :
 BNA_F
 ClientSampled :
 S6-0-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.6	11.0	16.4

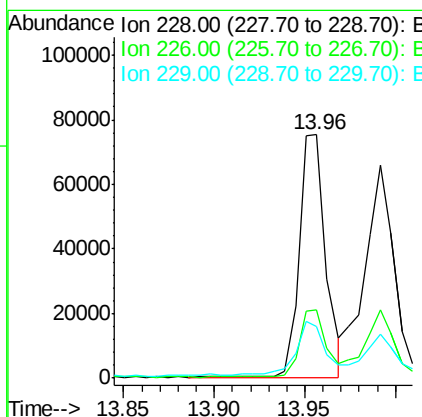
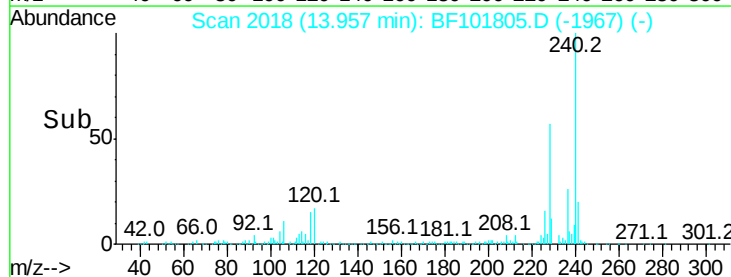
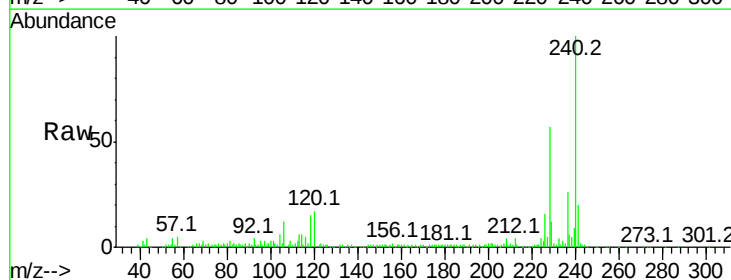
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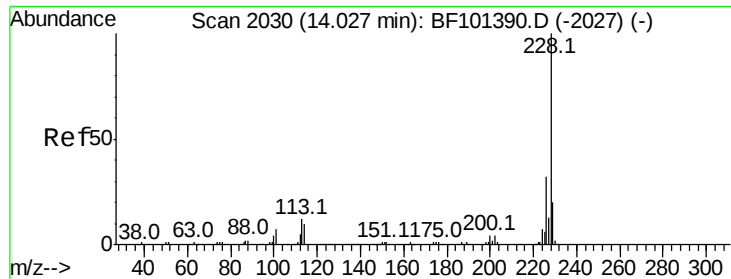
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#80
 Benzo(a)anthracene
 Concen: 3.974 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	21.1	15.8	23.6





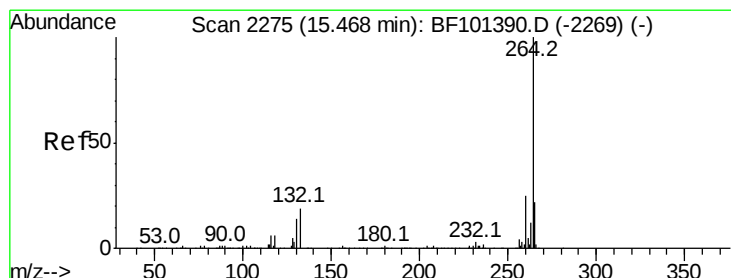
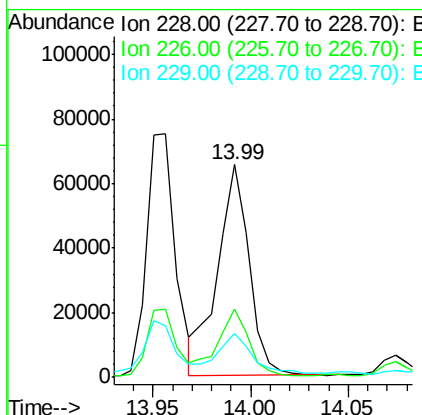
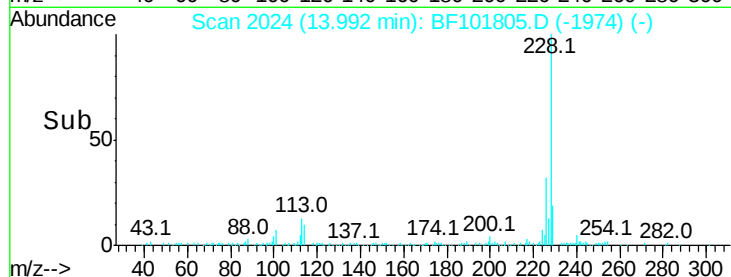
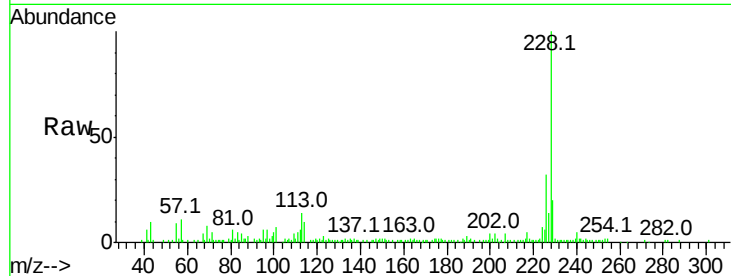
#82
 Chrysene
 Concen: 3.965 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Instrument :
 BNA_F
 ClientSampleID :
 S6-0-5

Tot Ion:	228	Resp:	73725
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.0	37.6
229	20.5	16.2	24.4

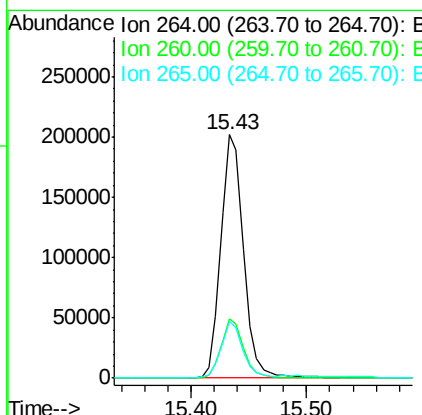
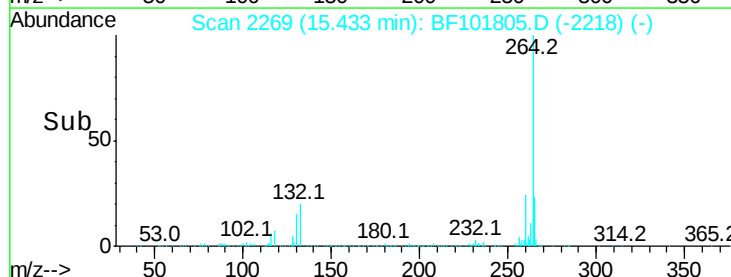
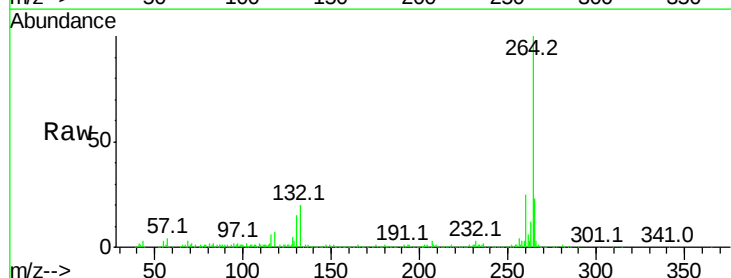
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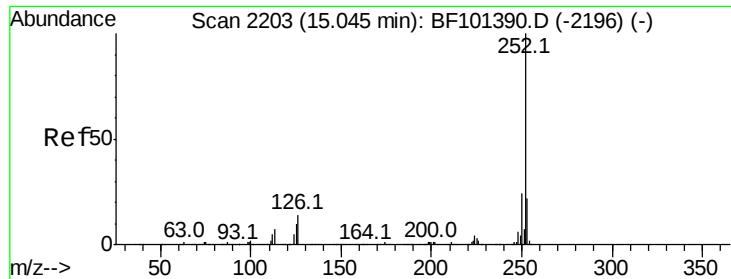
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Tgt Ion:	264	Resp:	275238
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	23.1	17.5	26.3





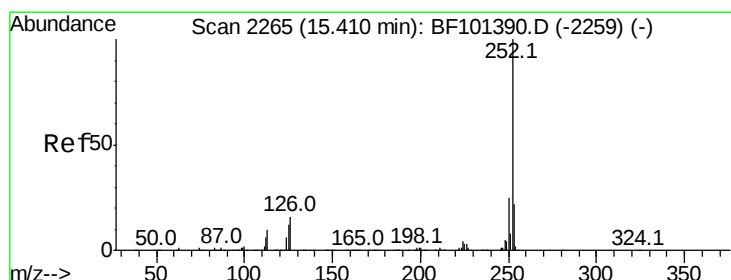
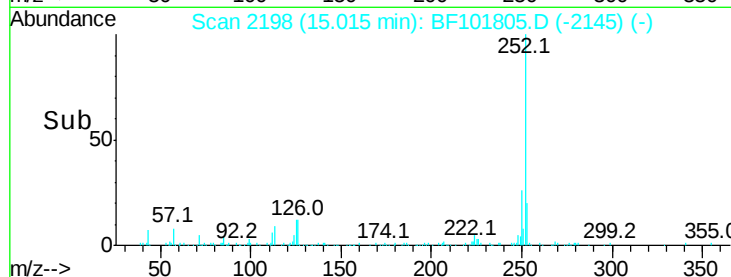
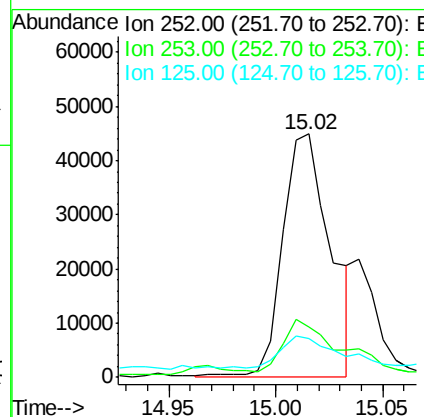
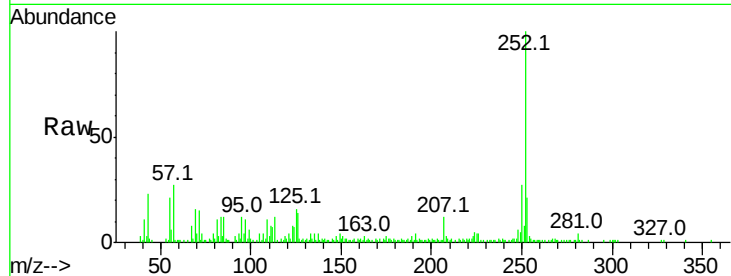
#87
Benzo(b)fluoranthene
Concen: 4.197 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Instrument :
BNA_F
ClientSampleId :
S6-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.0	25.6
125	16.2	9.0	13.6

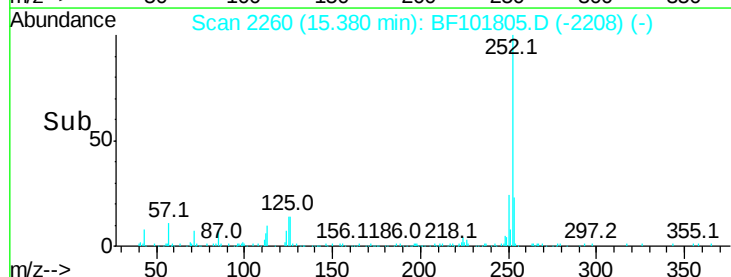
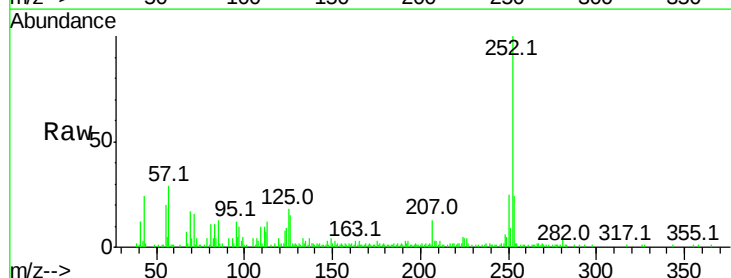
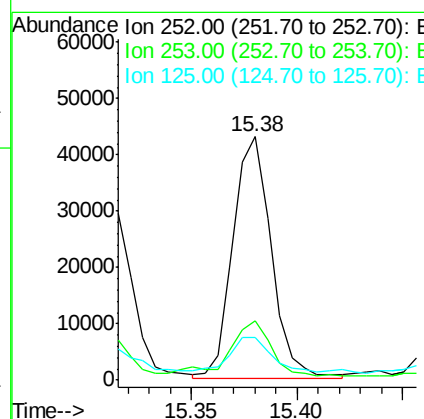
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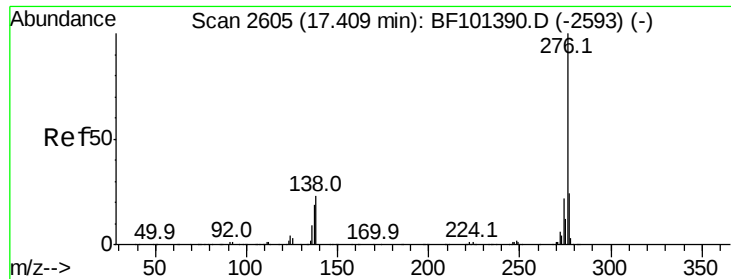
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#89
Benzo(a)pyrene
Concen: 3.476 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101805.D
Acq: 28 Dec 2017 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	17.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.300 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.04 min
 Lab File: BF101805.D
 Acq: 28 Dec 2017 16:31

Instrument :
 BNA_F
 ClientSampleId :
 S6-0-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	29.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:14 AM

