

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101803.D
 Acq On : 28 Dec 2017 15:37
 Operator : SJ/JU
 Sample : I6970-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-0-5

Manual Integrations
 APPROVED

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

Quant Time: Dec 28 16:30:14 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	151428	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	572269	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	222790	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	348647	20.00	ng	0.00
75) Chrysene-d12	13.96	240	309874	20.00	ng	0.00
86) Perylene-d12	15.44	264	295179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1011102	99.46	ng	0.00
7) Phenol-d6	6.43	99	1207332	95.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	743312	72.30	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	199489	92.93	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1160347	80.79	ng	0.00
78) Terphenyl-d14	12.89	244	837992	65.19	ng	0.00
Target Compounds						
10) Phenol	6.45	94	60991	4.230	ng	80
49) Dimethylphthalate	9.54	163	60991	3.403	ng	# 97
70) Phenanthrene	11.34	178	53555	2.762	ng	98
74) Fluoranthene	12.53	202	83547	4.105	ng	98
77) Pyrene	12.76	202	84538	3.635	ng	98
80) Benzo(a)anthracene	13.96	228	43000m	2.102	ng	
82) Chrysene	13.99	228	39313	2.035	ng	98
87) Benzo(b)fluoranthene	15.02	252	48793m	2.712	ng	
89) Benzo(a)pyrene	15.38	252	34059	2.053	ng	# 85

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

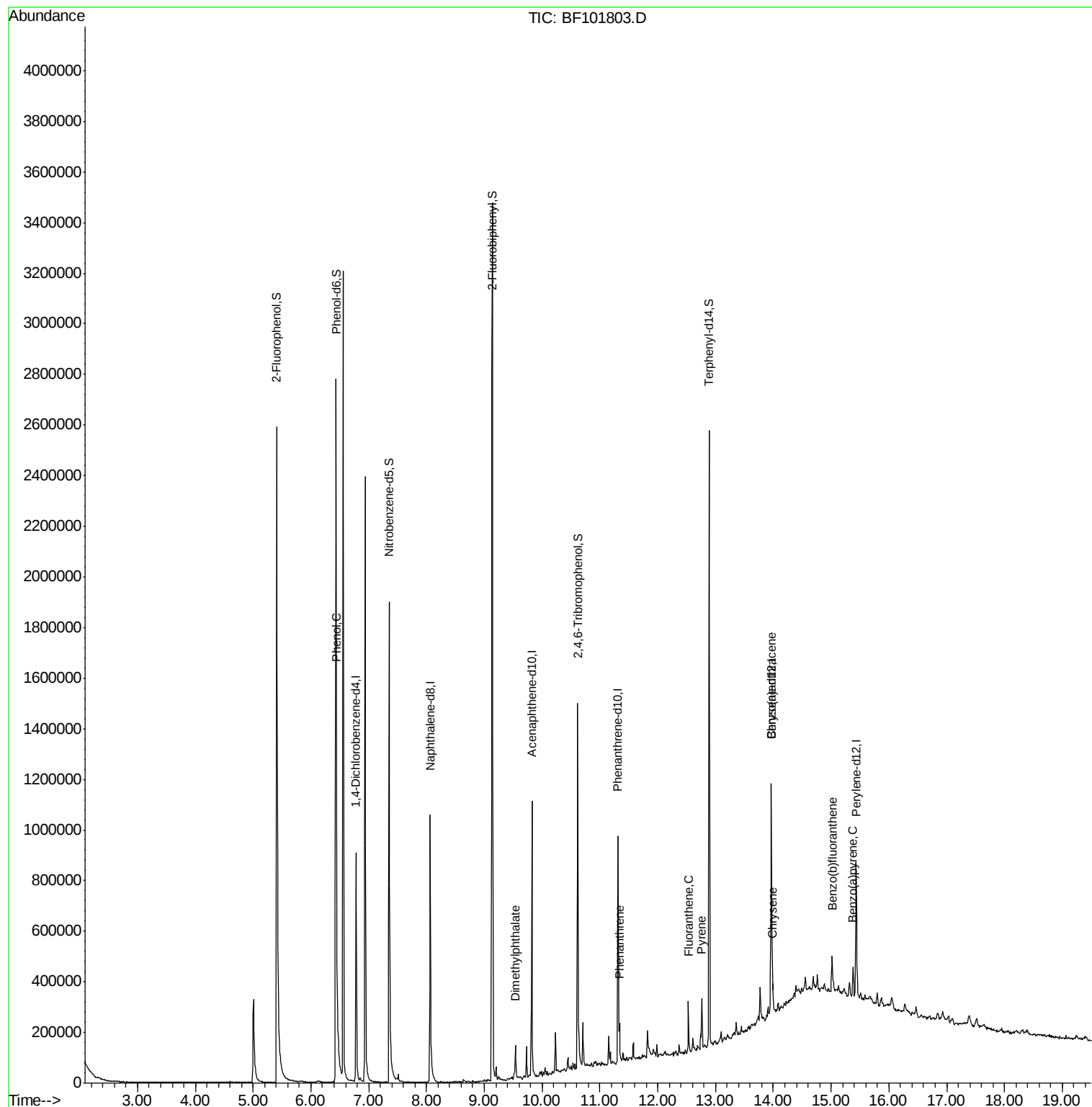
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101803.D
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S4-0-5

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#1

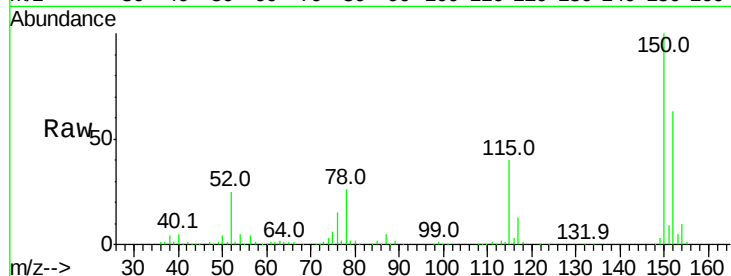
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
S4-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	62.8	50.1	75.1

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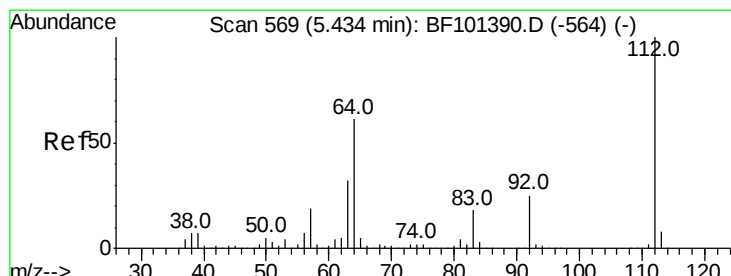
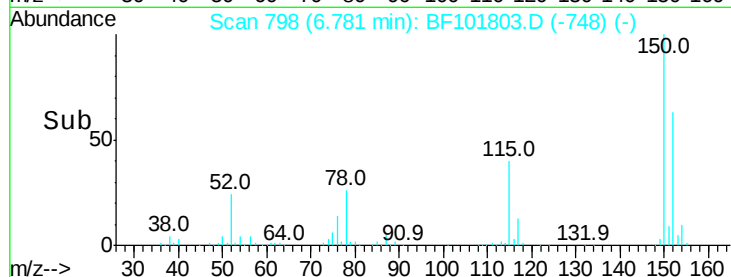
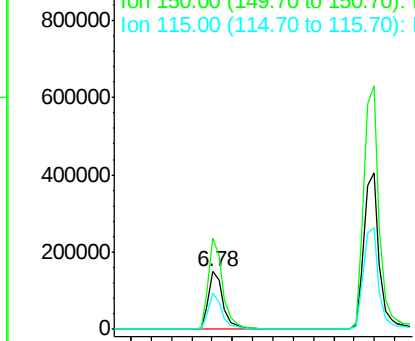


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

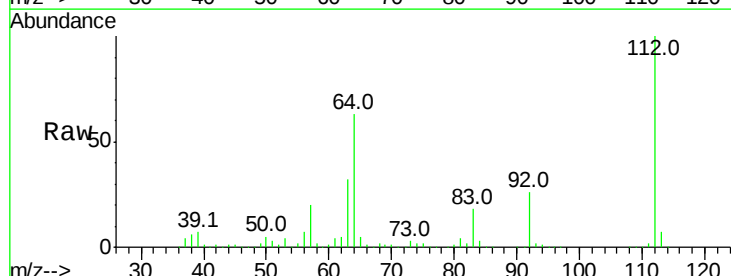
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.461 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.9	71.9
63	31.8	23.7	35.5

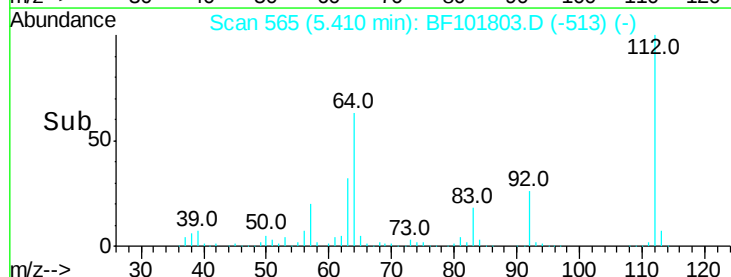
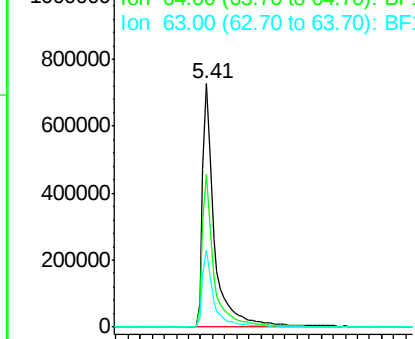


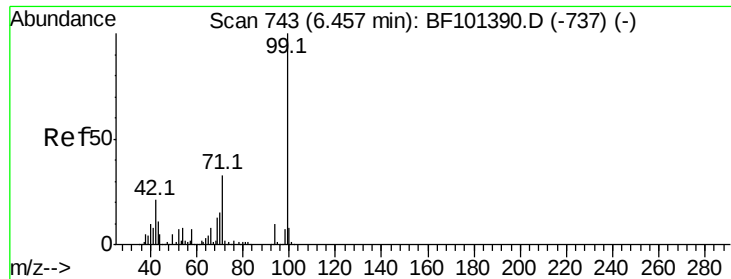
Abundance

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: 95.428 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

ClientSampled :

S4-0-5

Tot Ion: 99 Resp: 1207332

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

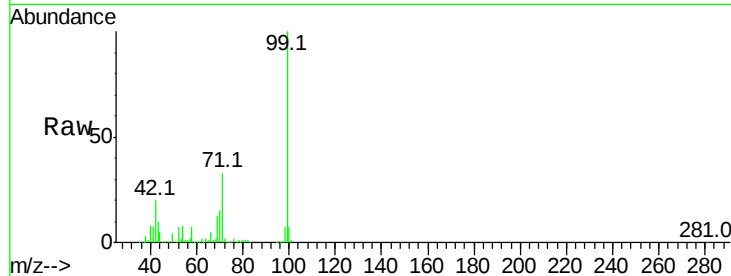
71 32.9 25.4 38.0

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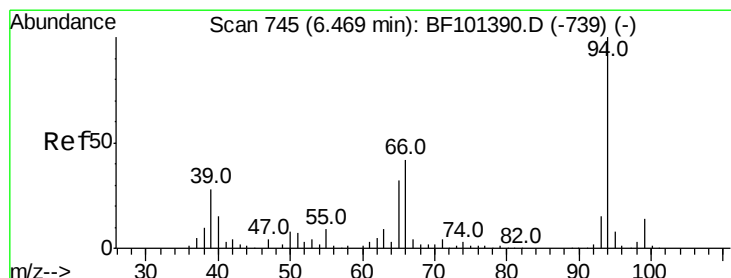
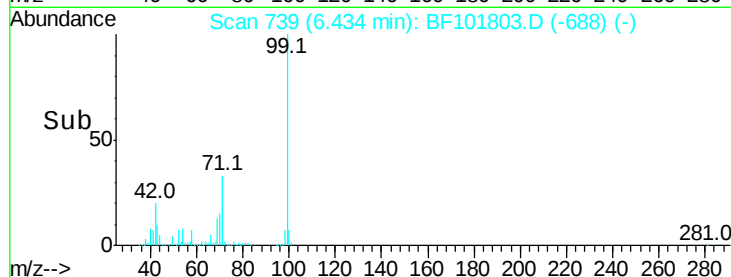
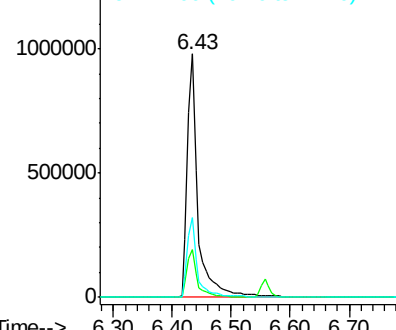
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.230 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

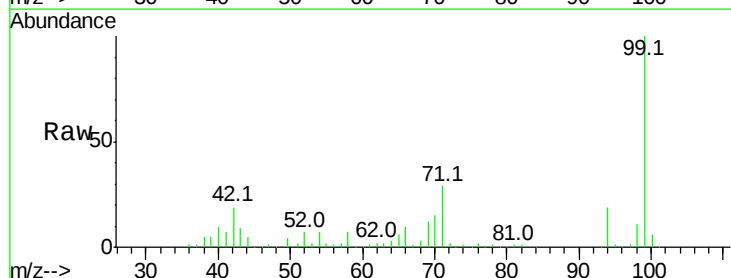
Tgt Ion: 94 Resp: 60991

Ion Ratio Lower Upper

94 100

65 32.1 7.9 47.9

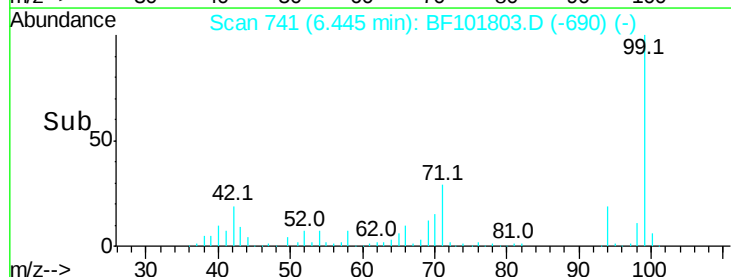
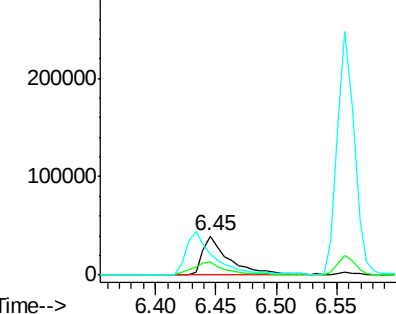
66 53.8 16.2 56.2

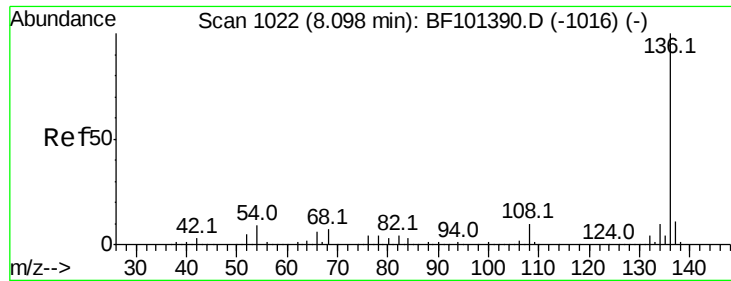


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





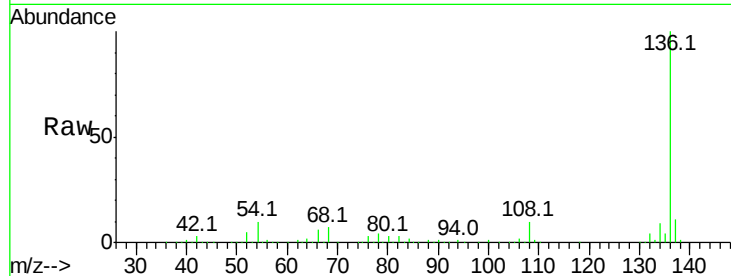
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
S4-0-5

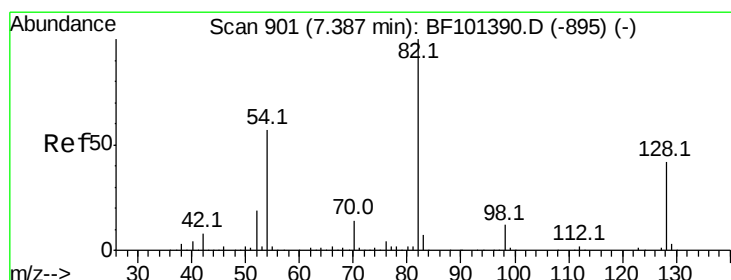
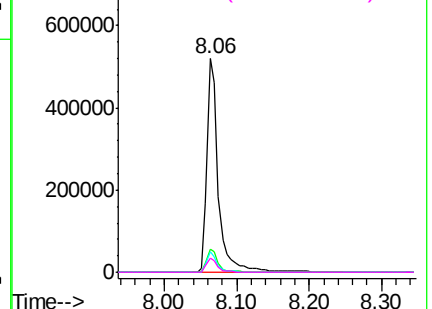
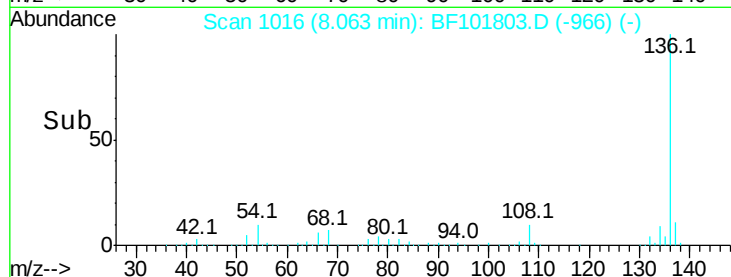
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	9.5	6.6	9.8	
68	6.8	5.0	7.4	

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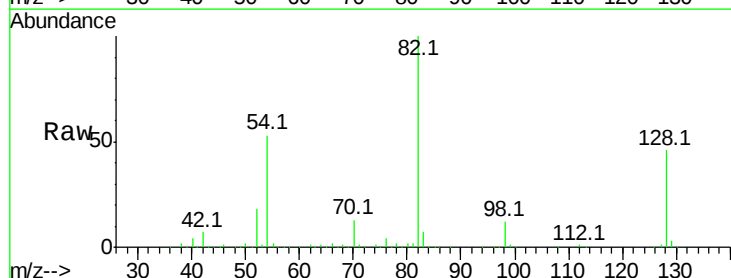


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

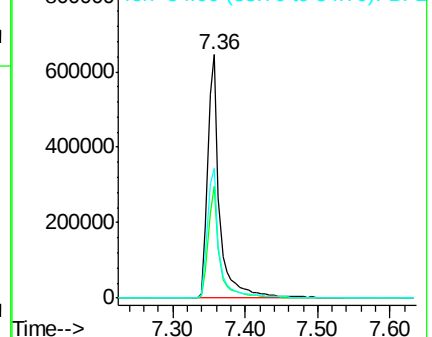
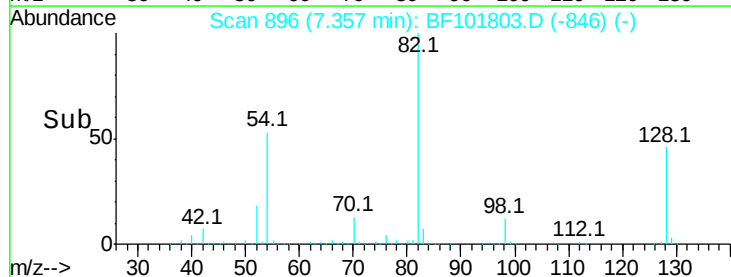


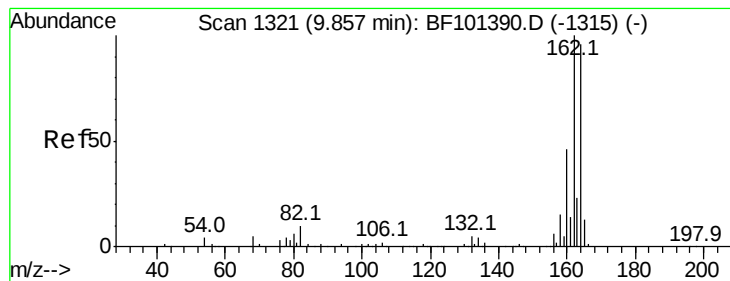
#23
Nitrobenzene-d5
Concen: 72.303 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	36.1	54.1	
54	53.4	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: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

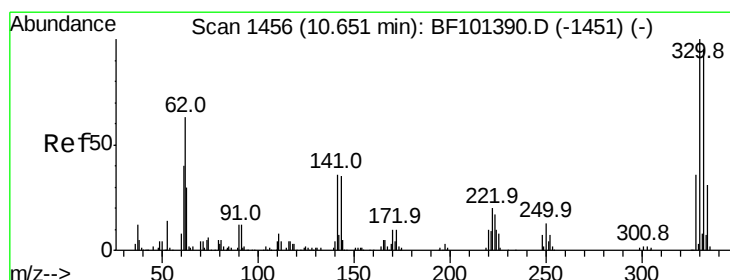
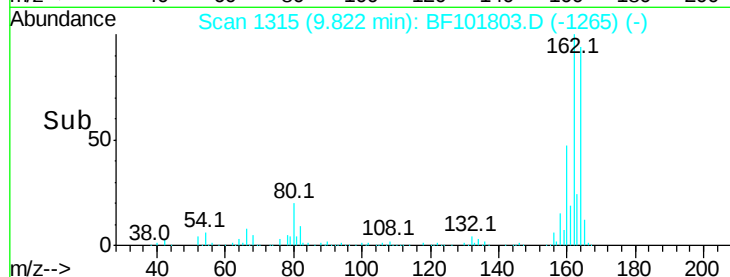
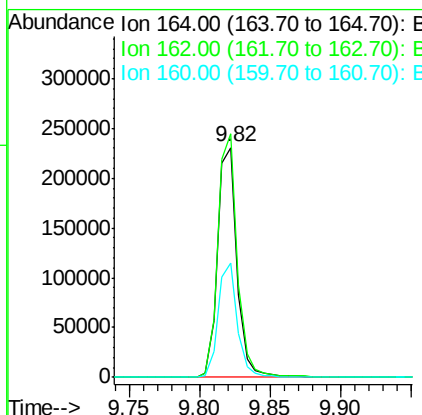
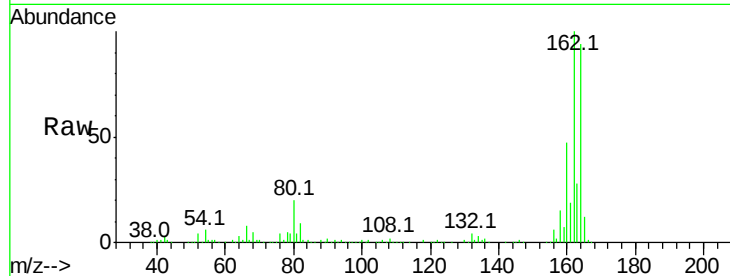
ClientSampled :

S4-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	222790		
162	105.9	86.1	129.1	
160	49.6	38.3	57.5	

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#41

2,4,6-Tribromophenol

Concen: 92.926 ng

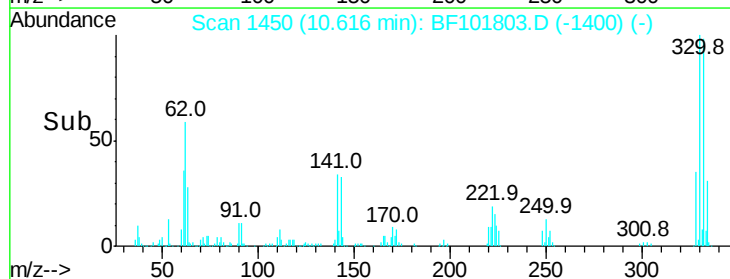
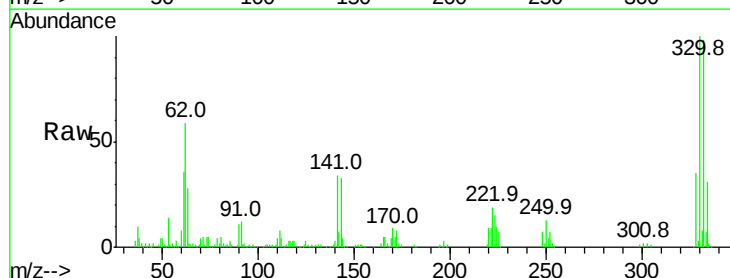
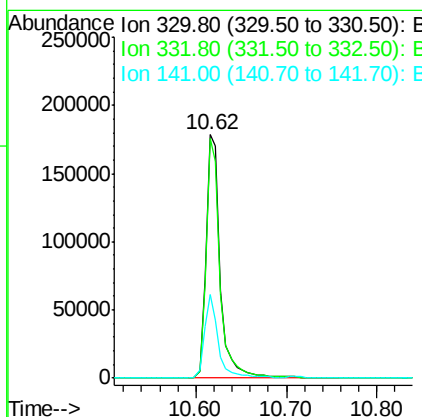
RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	199489		
332	95.7	77.0	115.6	
141	33.0	29.9	44.9	





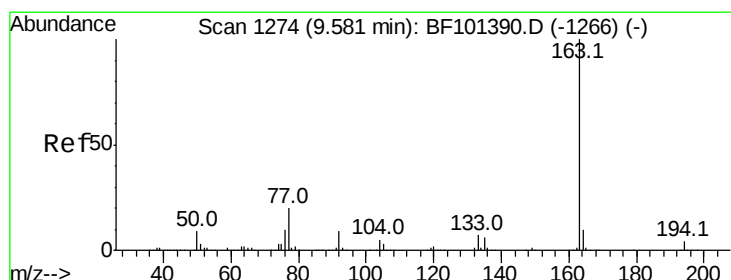
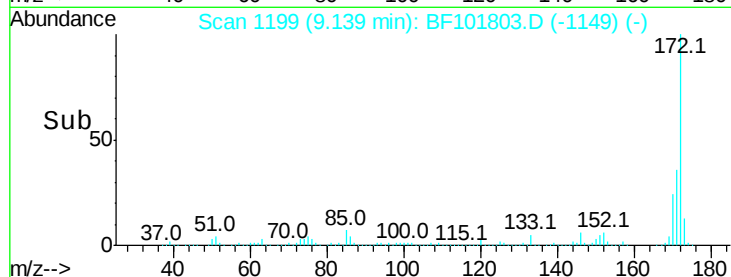
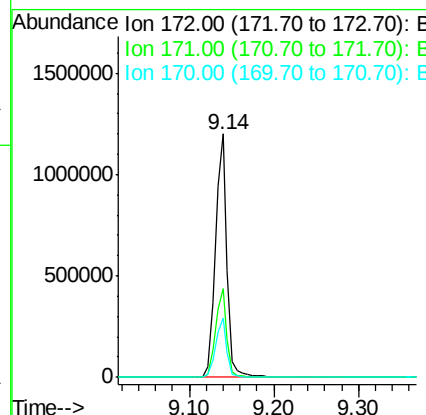
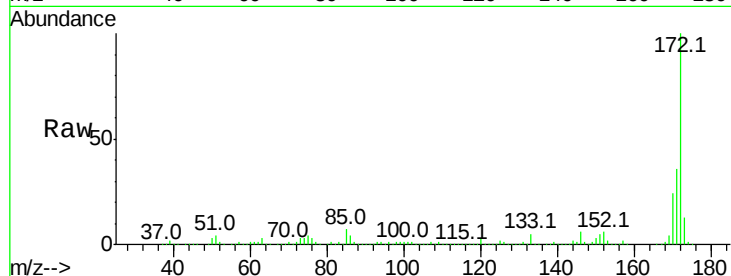
#44
2-Fluorobiphenyl
Concen: 80.793 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
S4-0-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4

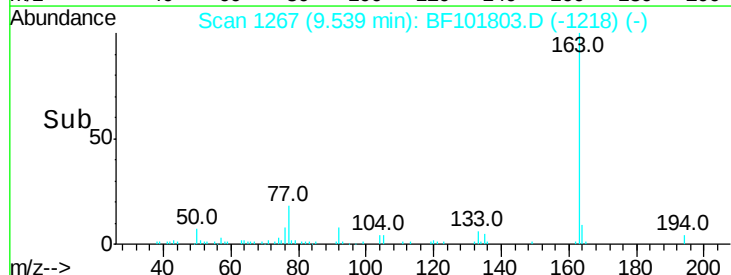
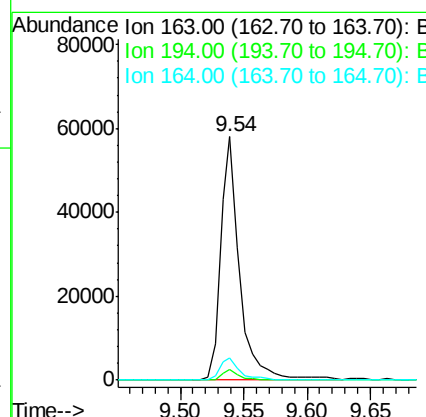
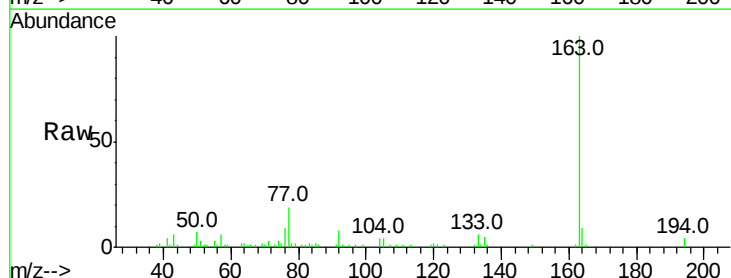
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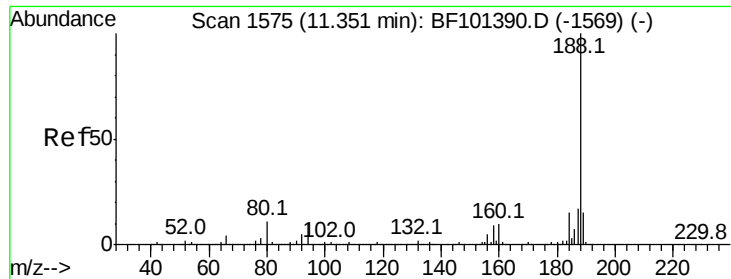
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#49
Dimethylphthalate
Concen: 3.403 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.2	8.2	12.2





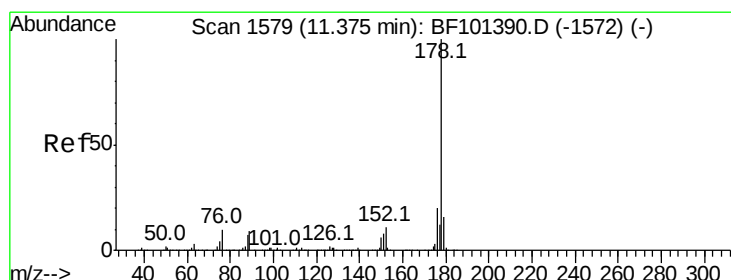
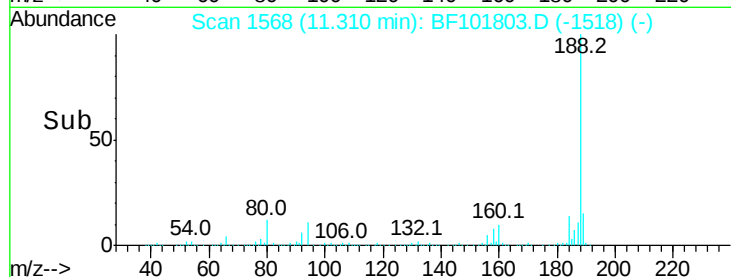
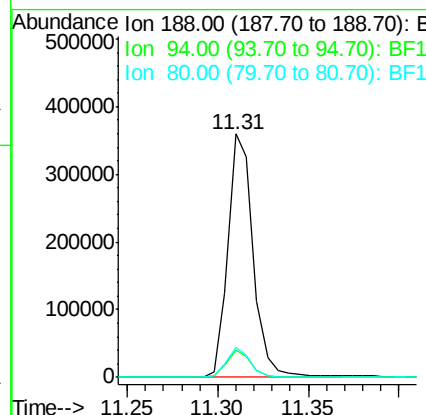
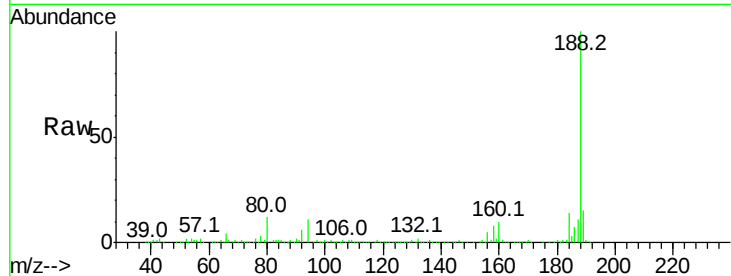
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampled :
S4-0-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.3	8.5	12.7	
80	12.2	9.2	13.8	

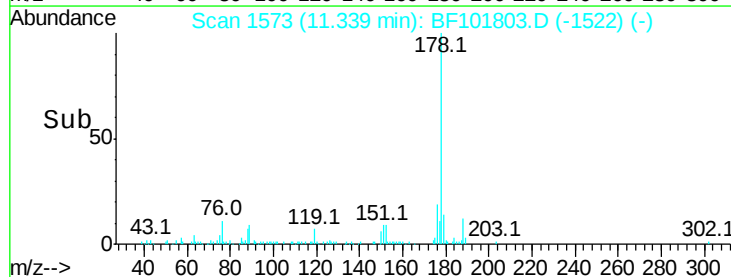
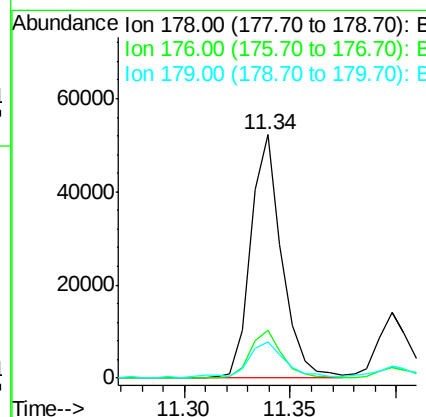
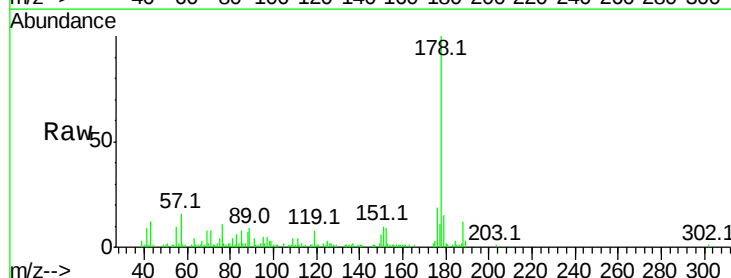
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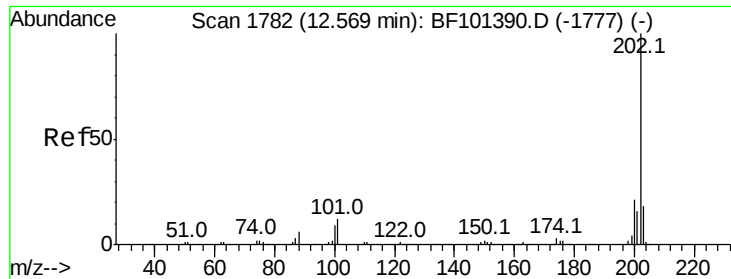
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#70
Phenanthrene
Concen: 2.762 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.4	15.8	23.8	
179	15.0	13.0	19.6	





#74

Fluoranthene

Concen: 4.105 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

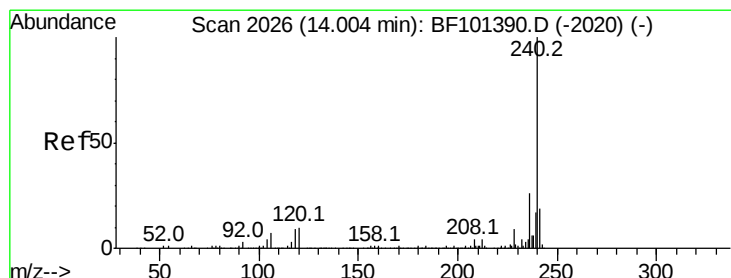
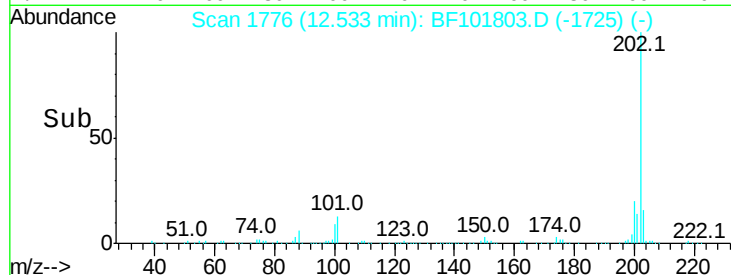
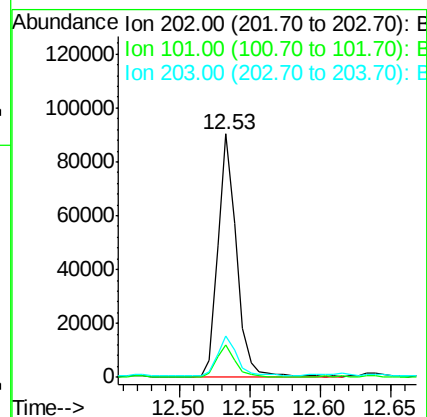
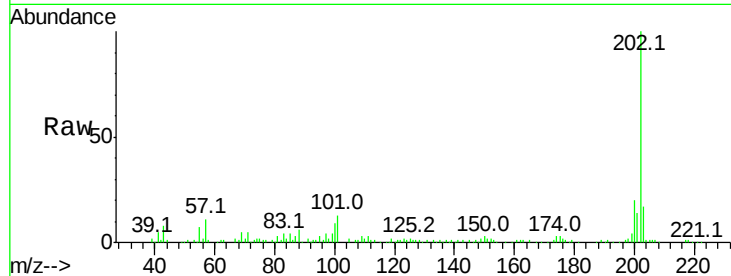
ClientSampleId :

S4-0-5

Tot Ion:	202	Resp:	83547
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

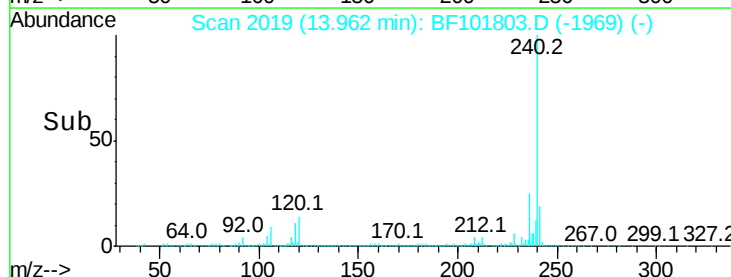
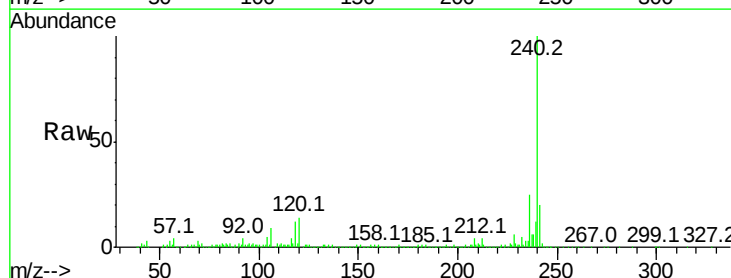
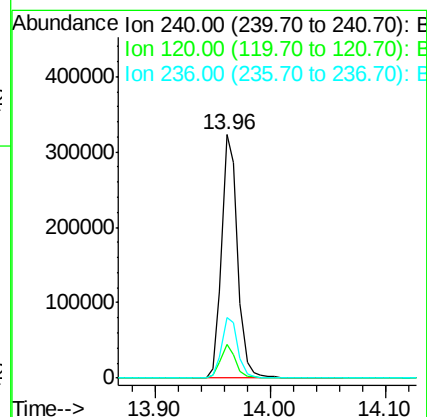
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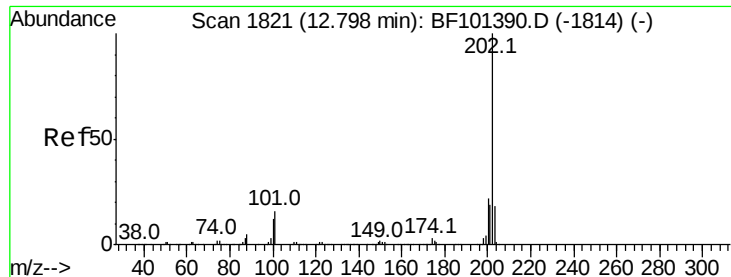
Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Tgt Ion:	240	Resp:	309874
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 3.635 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Instrument :

BNA_F

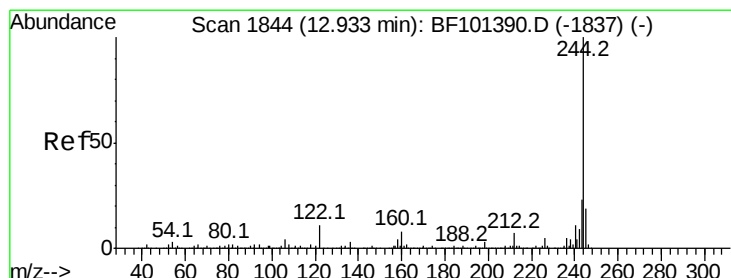
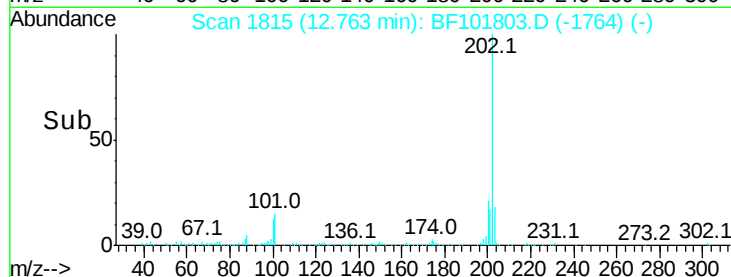
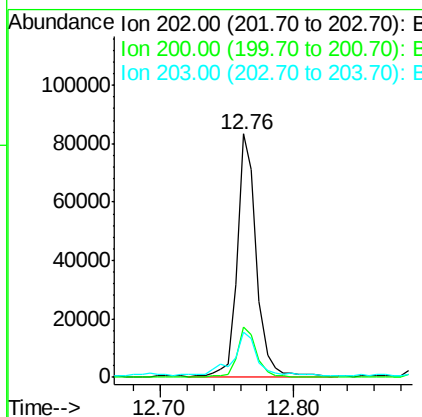
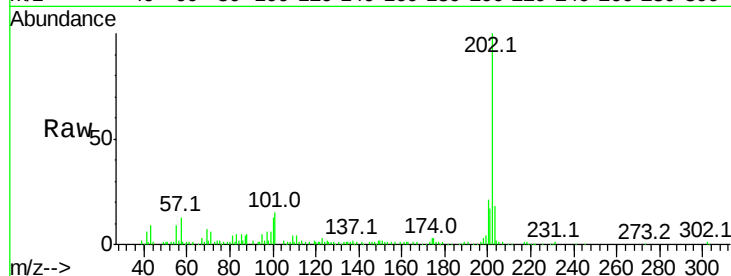
ClientSampled :

S4-0-5

Tot Ion:	202	Resp:	84538
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 65.194 ng

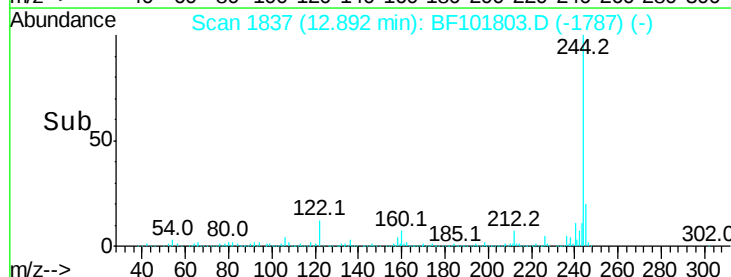
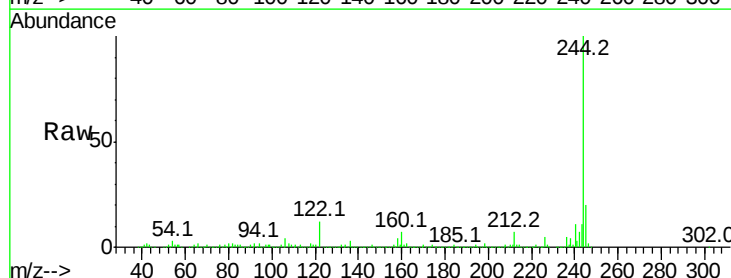
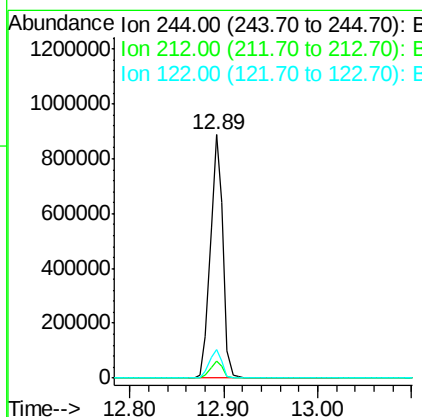
RT: 12.89 min Scan# 1837

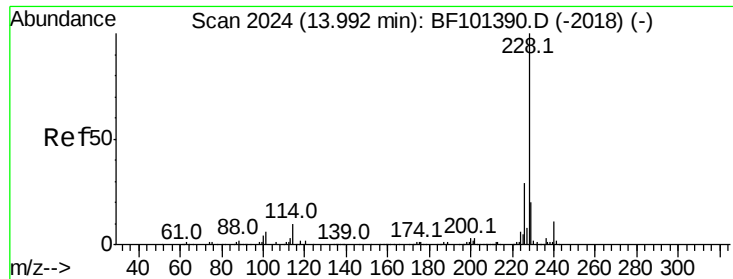
Delta R.T. -0.01 min

Lab File: BF101803.D

Acq: 28 Dec 2017 15:37

Tgt Ion:	244	Resp:	837992
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	11.8	11.0	16.4





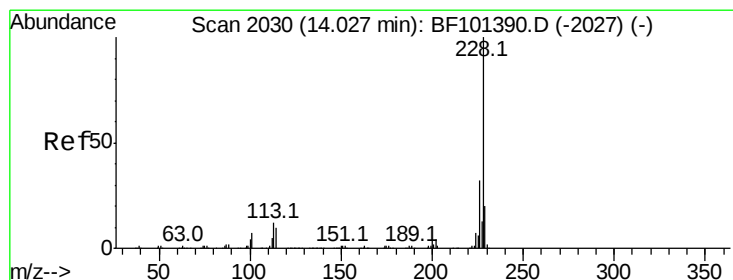
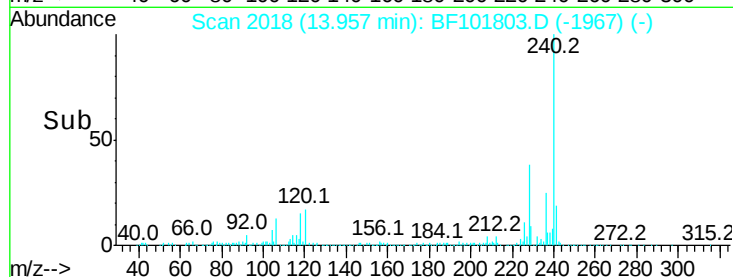
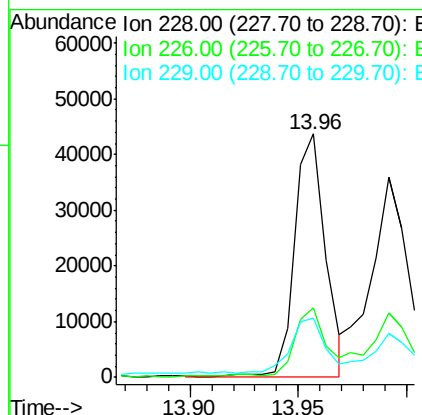
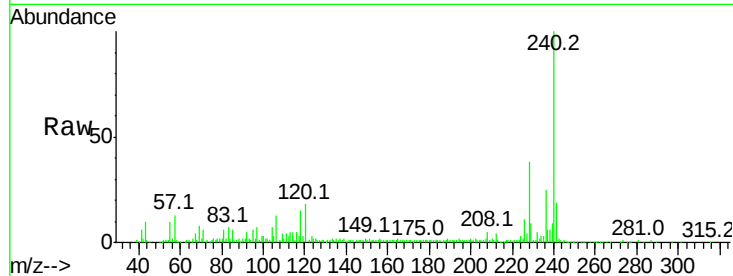
#80
Benzo(a)anthracene
Concen: 2.102 ng m
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampled :
S4-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	24.1	15.8	23.6

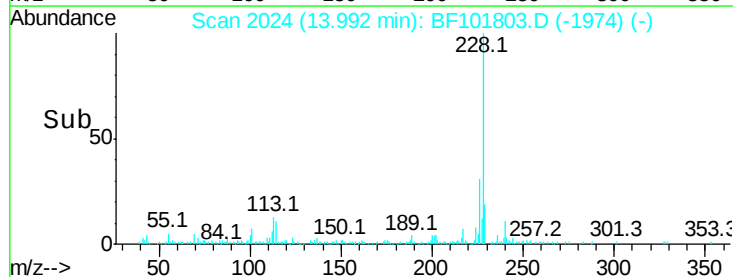
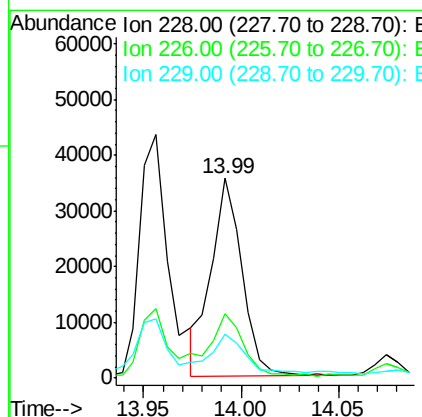
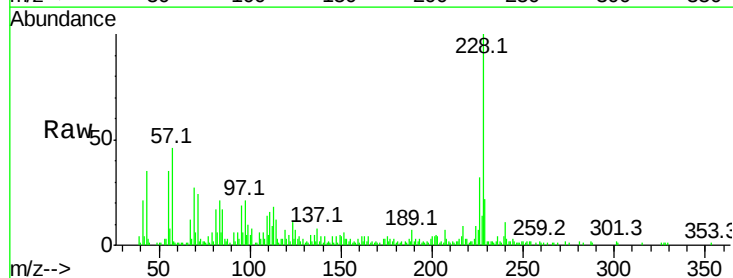
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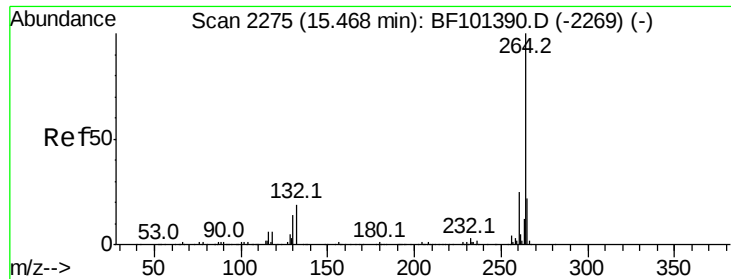
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#82
Chrysene
Concen: 2.035 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	21.7	16.2	24.4





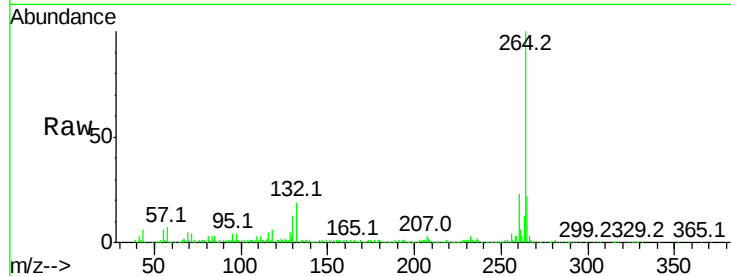
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampled :
S4-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3

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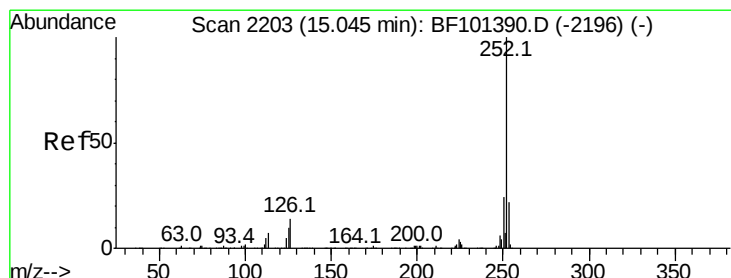
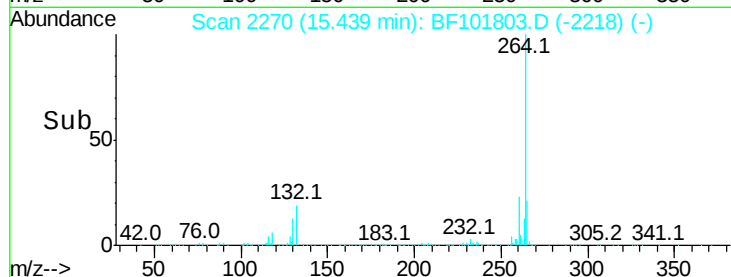
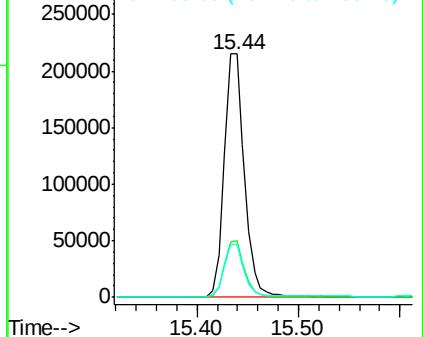


Abundance

Ion 264.00 (263.70 to 264.70): E

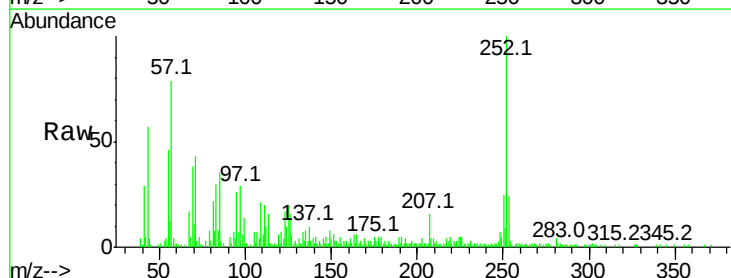
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.712 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	19.8	9.0	13.6

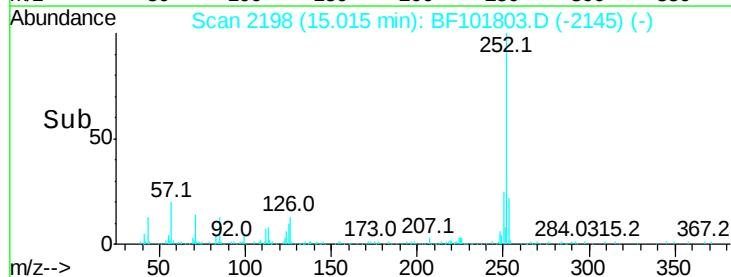
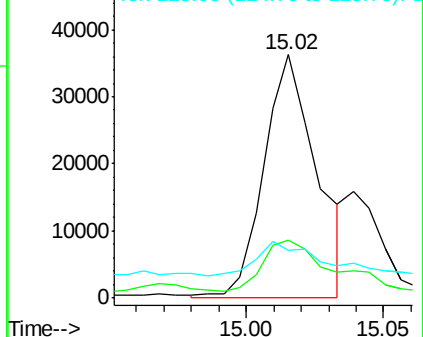


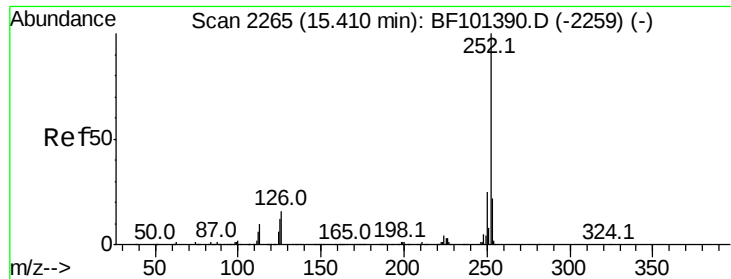
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 2.053 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101803.D
Acq: 28 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
S4-0-5

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

Manual Integrations
APPROVED

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12/29/2017 11:55:11 AM

