

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101811.D
 Acq On : 28 Dec 2017 19:12
 Operator : SJ/JU
 Sample : I6970-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-5-10

Manual Integrations
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Sohil
 12/29/2017 11:55:23 AM

Quant Time: Dec 29 04:58:37 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	156536	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	606666	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	237845	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	363324	20.00	ng	0.00
75) Chrysene-d12	13.96	240	304669	20.00	ng	0.00
86) Perylene-d12	15.43	264	291405	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1014581	96.55	ng	0.00
7) Phenol-d6	6.43	99	1204999	92.14	ng	0.00
23) Nitrobenzene-d5	7.36	82	744774	68.34	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	199631	87.11	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1036036	67.57	ng	0.00
78) Terphenyl-d14	12.89	244	705790	55.85	ng	0.00
Target Compounds						
10) Phenol	6.45	94	51894	3.481	ng	Qvalue # 70
49) Dimethylphthalate	9.54	163	67835	3.546	ng	99
70) Phenanthrene	11.33	178	290440	14.375	ng	99
71) Anthracene	11.39	178	73872	3.579	ng	98
74) Fluoranthene	12.53	202	453050	21.362	ng	100
77) Pyrene	12.76	202	405565	17.737	ng	99
79) Butylbenzylphthalate	13.36	149	31456	3.040	ng	97
80) Benzo(a)anthracene	13.96	228	236530	11.757	ng	98
82) Chrysene	13.99	228	226109	11.904	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	97186	5.746	ng	92
87) Benzo(b)fluoranthene	15.01	252	303748m	17.101	ng	
88) Benzo(k)fluoranthene	15.03	252	89177m	5.164	ng	
89) Benzo(a)pyrene	15.37	252	181361	11.076	ng	96
91) Benzo(a,h,i)perylene	17.37	276	86344	6.203	ng	98

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

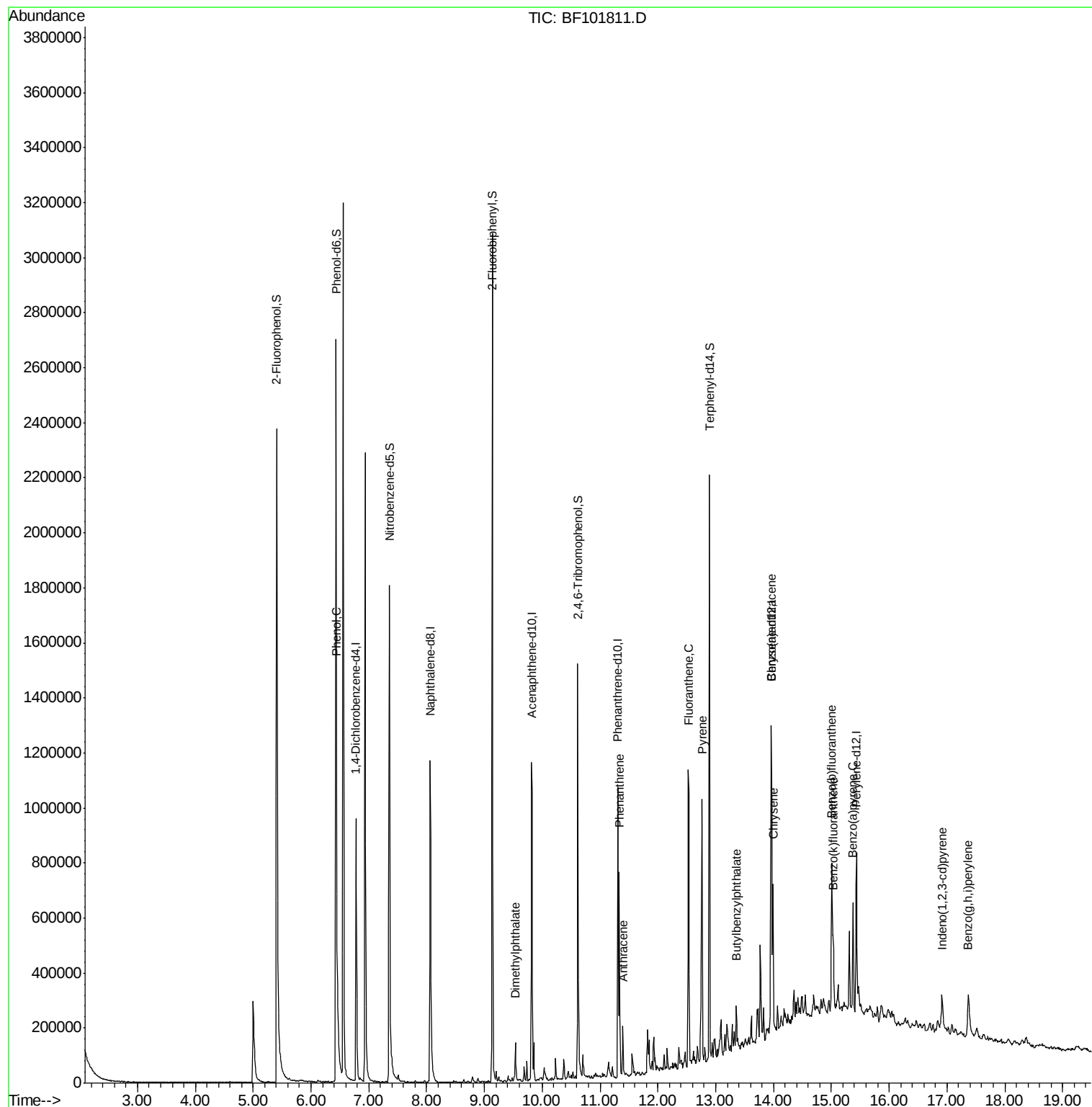
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101811.D
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Operator : SJ/JU
Sample : I6970-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

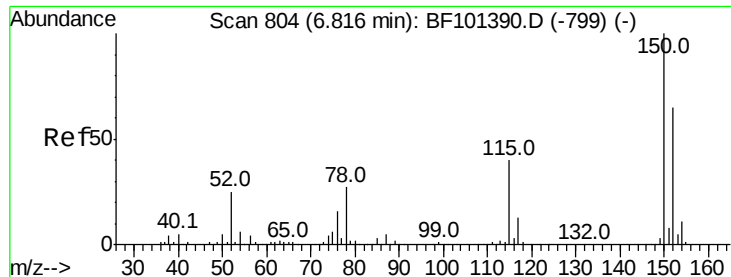
Instrument :
BNA_F
ClientSampleId :
S6-5-10

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Quant Time: Dec 29 04:58:37 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
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#1

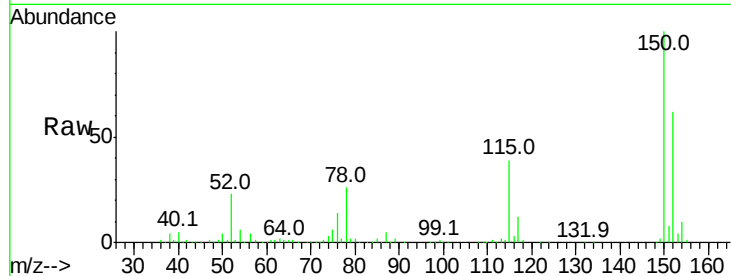
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampled :
S6-5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	61.9	50.1	75.1

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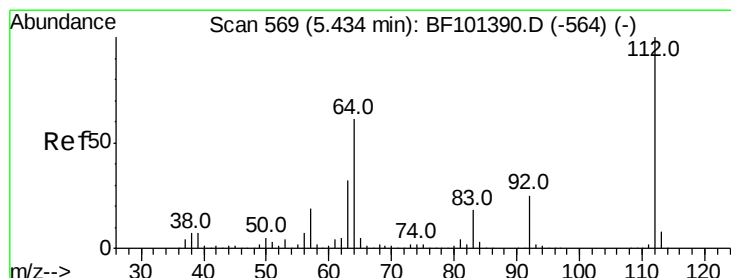
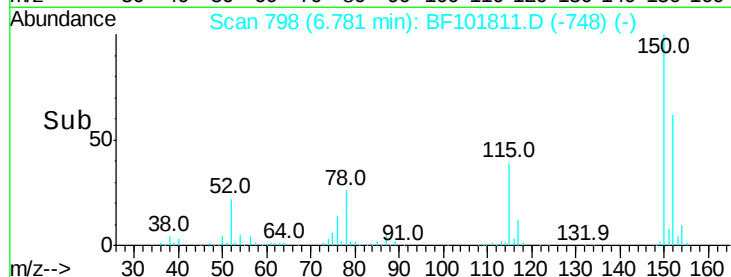
Abundance

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

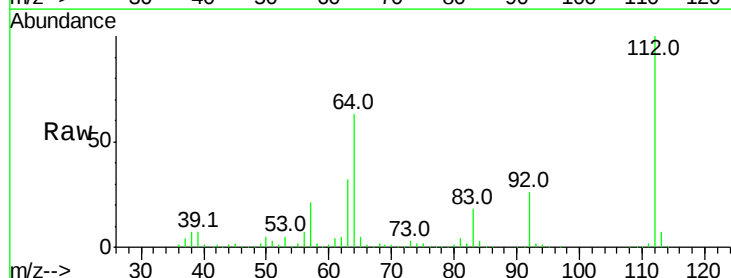
Time-->



#5

2-Fluorophenol
Concen: 96.546 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	47.9	71.9
63	32.5	23.7	35.5



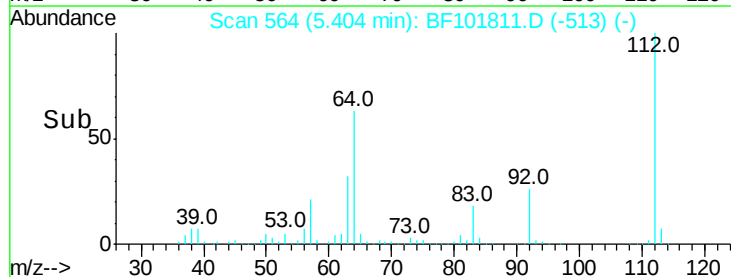
Abundance

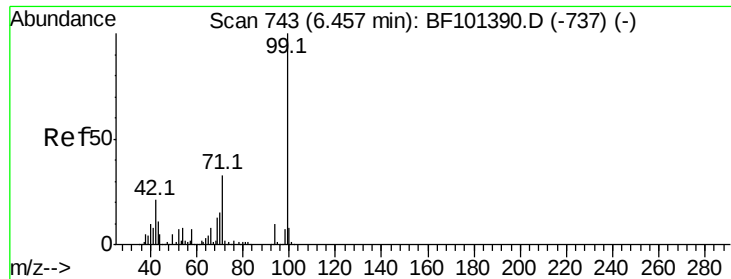
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 92.136 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampleId :

S6-5-10

Tot Ion: 99 Resp: 1204999

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

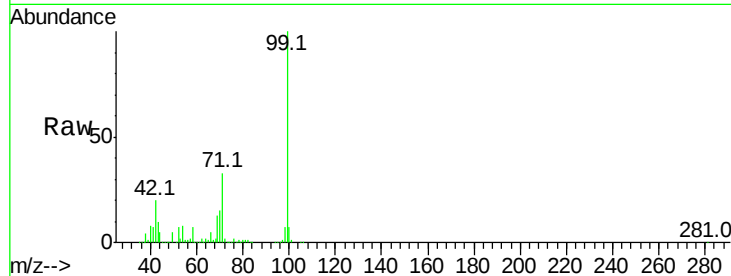
71 33.1 25.4 38.0

Manual Integrations

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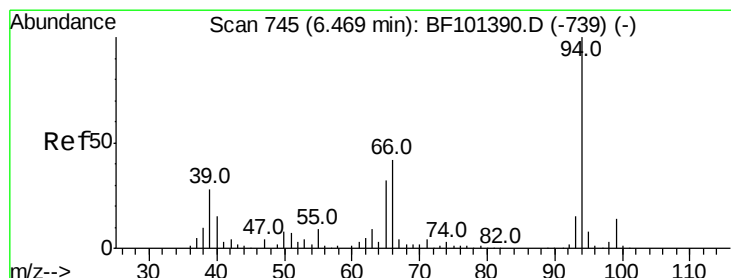
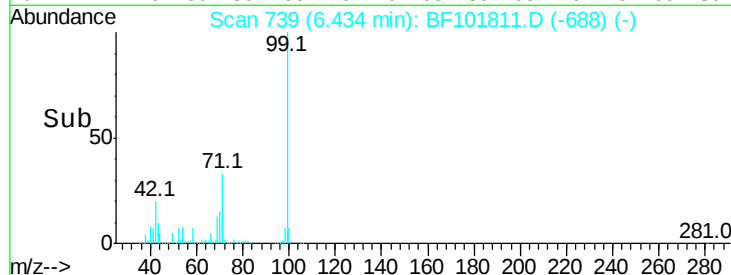
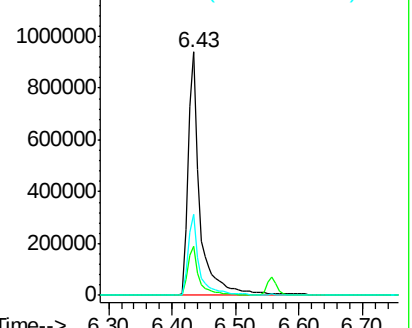
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.481 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

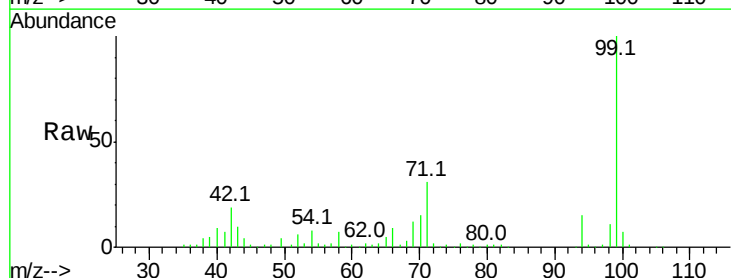
Tgt Ion: 94 Resp: 51894

Ion Ratio Lower Upper

94 100

65 33.8 7.9 47.9

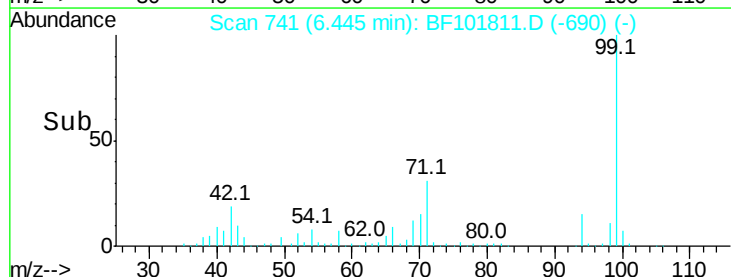
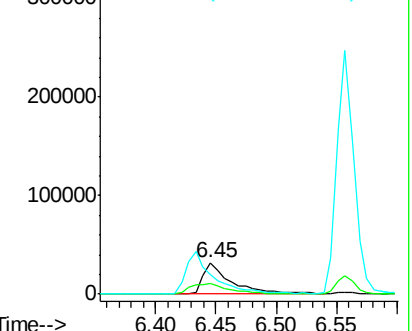
66 62.1 16.2 56.2#

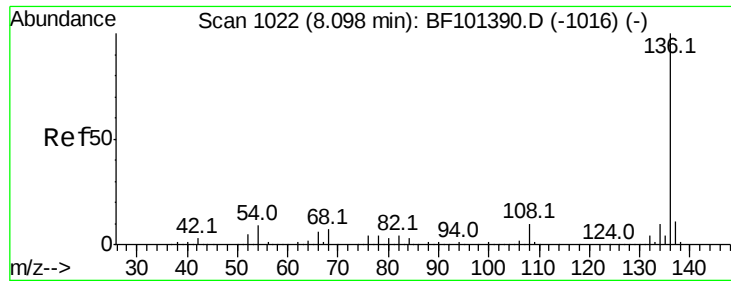


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





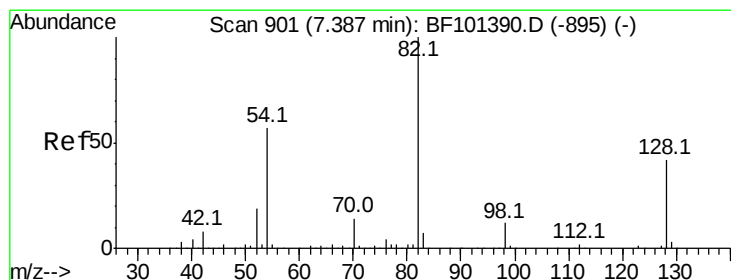
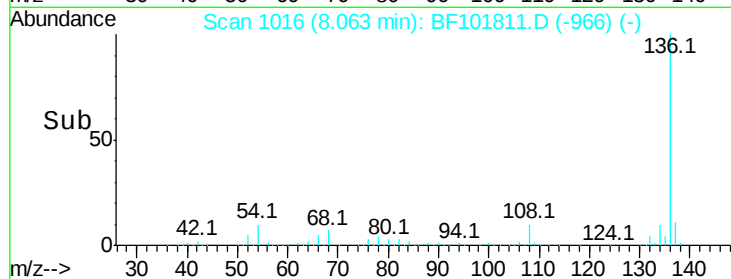
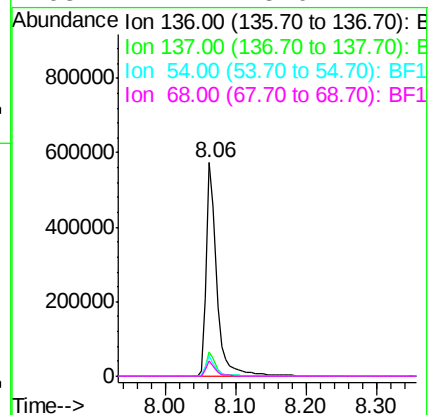
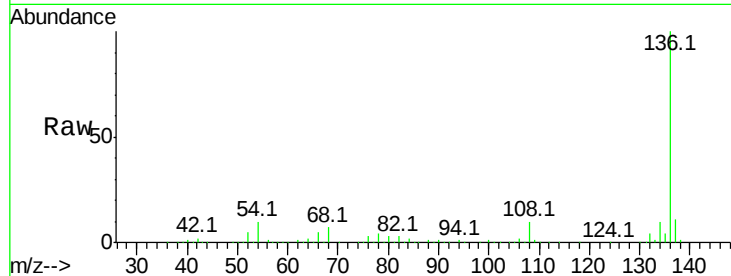
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampleId :
S6-5-10

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	9.6	6.6	9.8	
68	7.2	5.0	7.4	

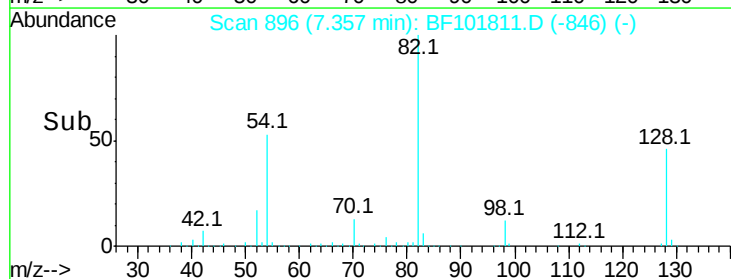
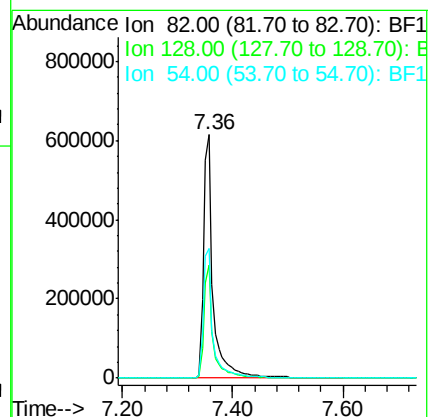
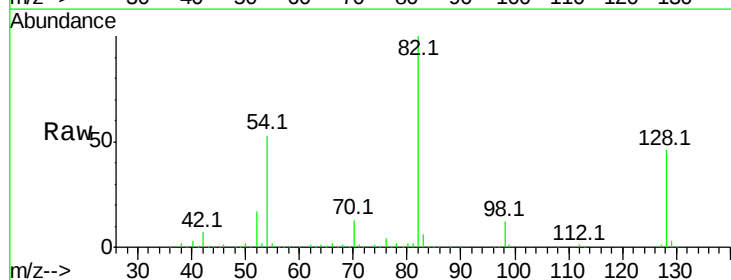
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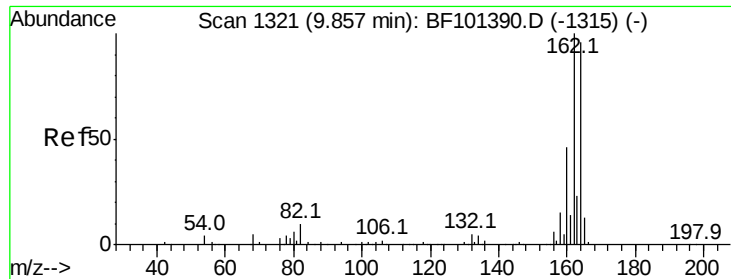
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#23
Nitrobenzene-d5
Concen: 68.338 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	36.1	54.1	
54	53.3	41.4	62.2	





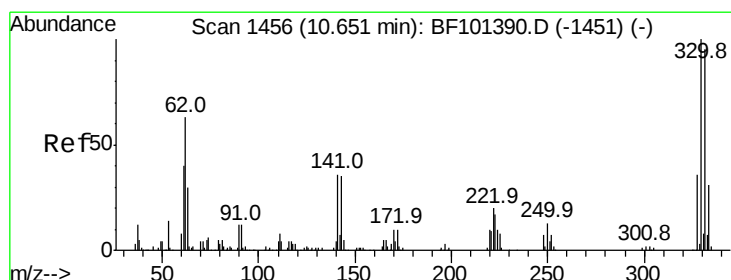
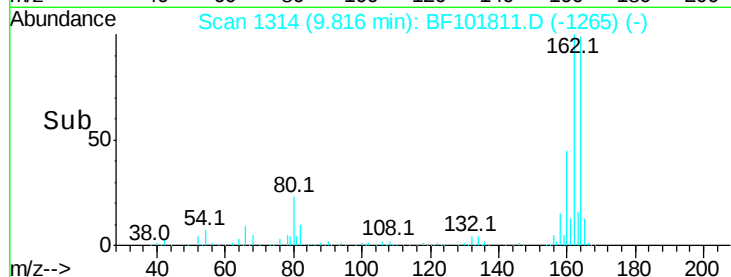
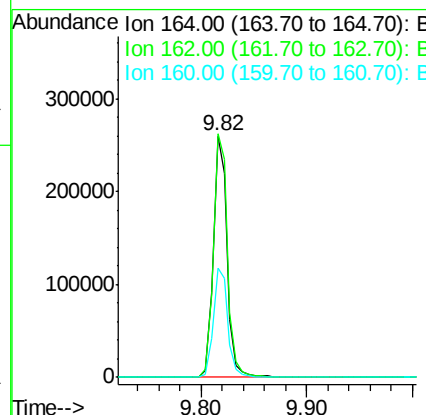
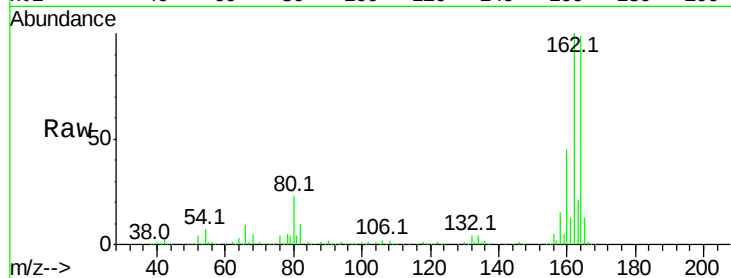
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 S6-5-10

Tot Ion	Ratio	Resp	Lower	Upper
164	100	237845		
162	100.8	86.1	129.1	
160	45.3	38.3	57.5	

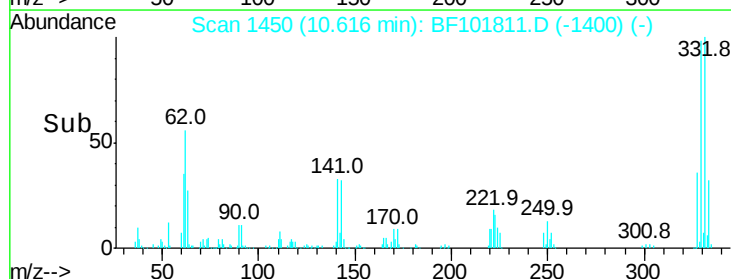
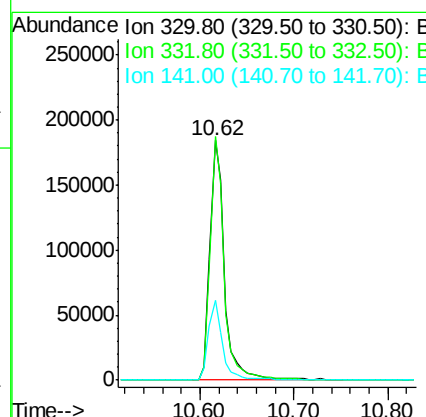
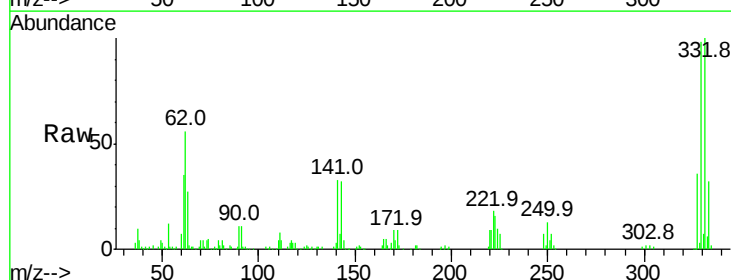
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#41
 2,4,6-Tribromophenol
 Concen: 87.106 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	199631		
332	97.5	77.0	115.6	
141	32.7	29.9	44.9	





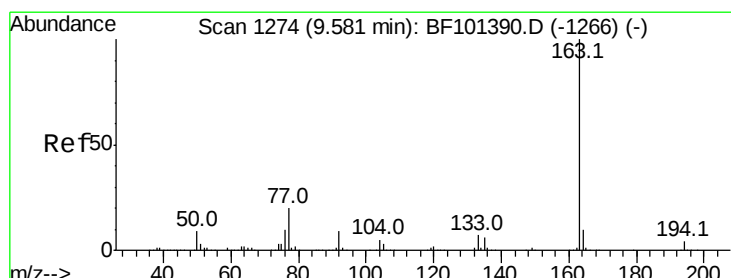
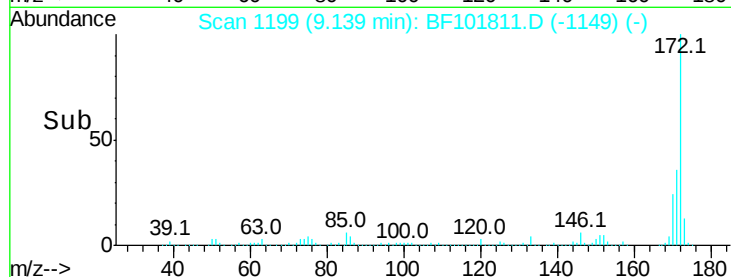
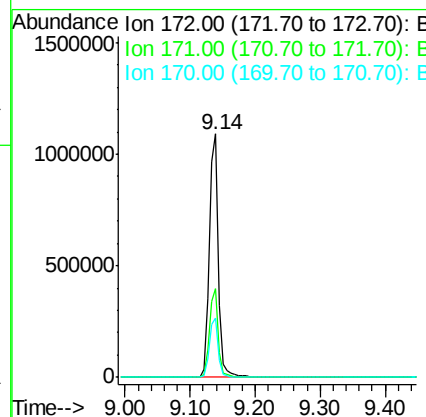
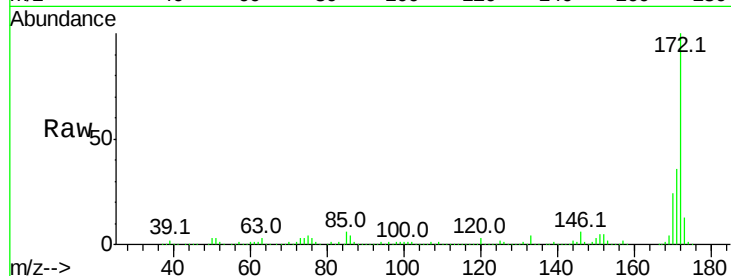
#44
 2-Fluorobiphenyl
 Concen: 67.571 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampled :
 S6-5-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	19.6	29.4

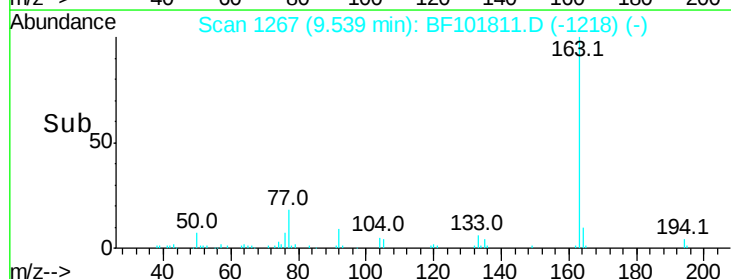
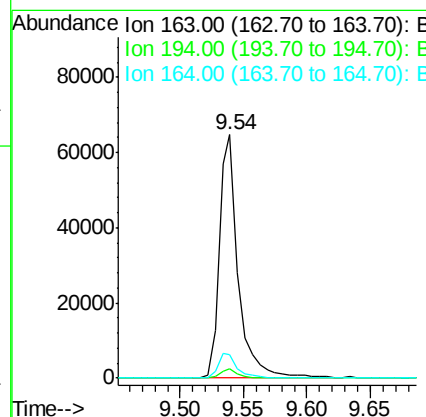
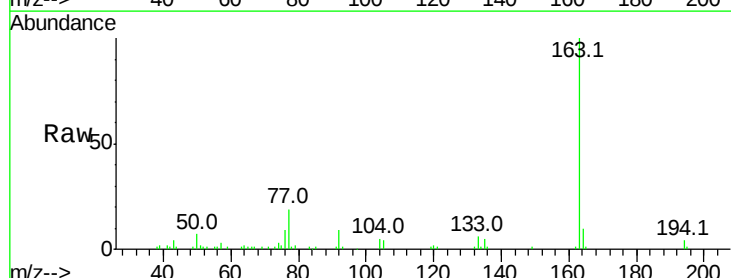
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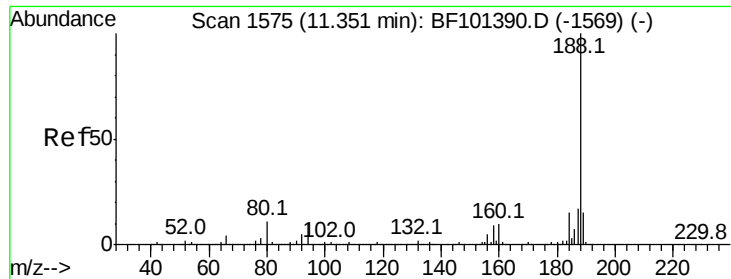
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#49
 Dimethylphthalate
 Concen: 3.546 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.9	8.2	12.2





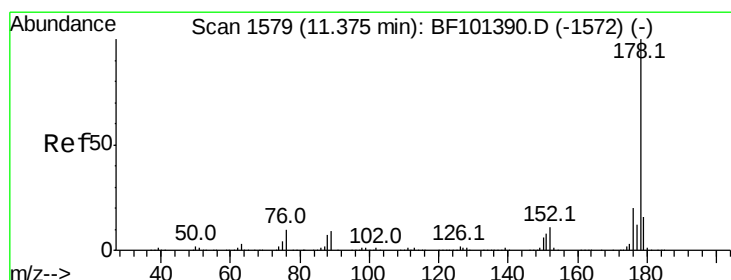
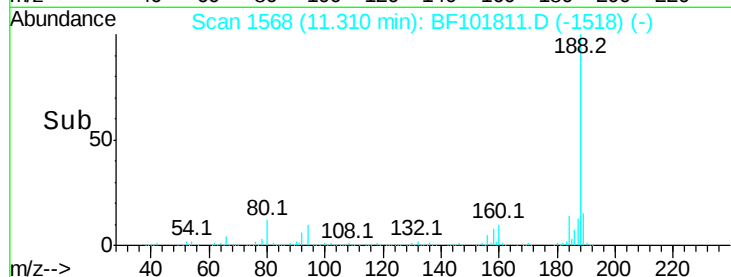
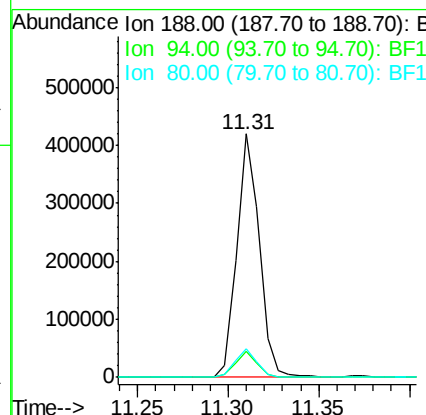
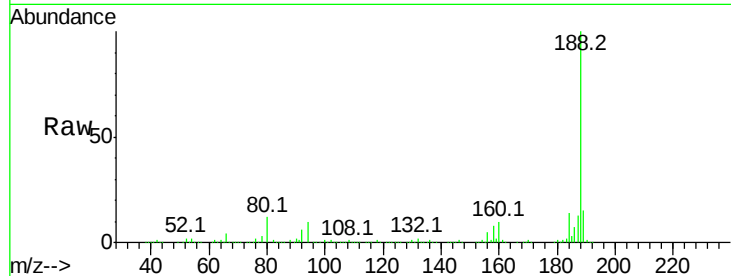
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampled :
S6-5-10

Tot Ion	Ratio	Resp	Lower	Upper
188	100	363324		
94	10.4		8.5	12.7
80	11.8		9.2	13.8

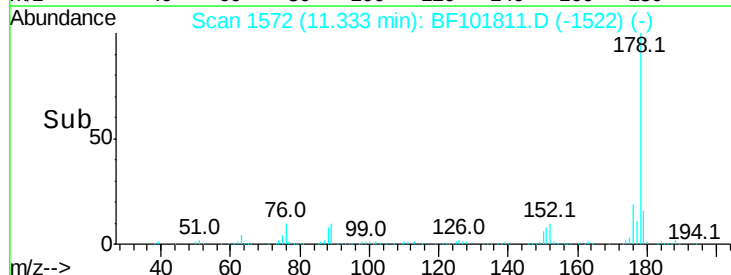
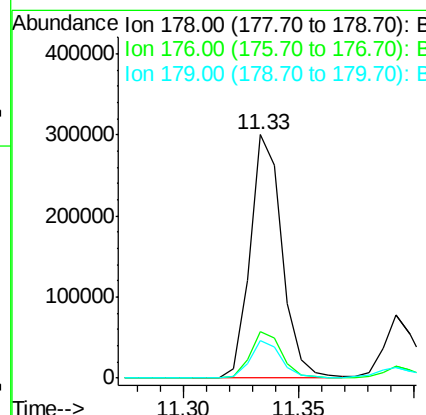
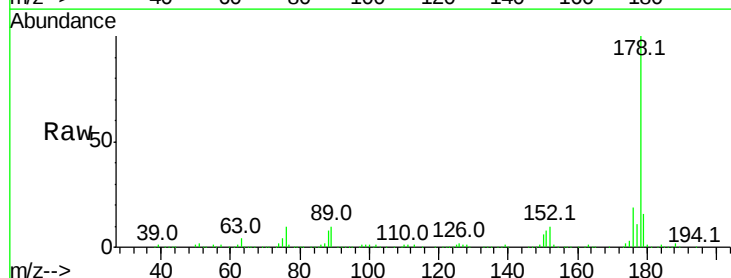
Manual Integrations
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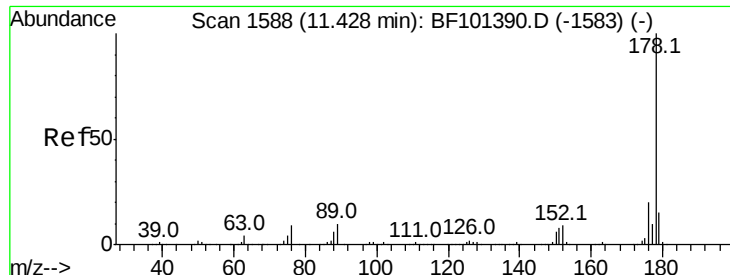
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#70
Phenanthrene
Concen: 14.375 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	290440		
176	19.2		15.8	23.8
179	15.6		13.0	19.6





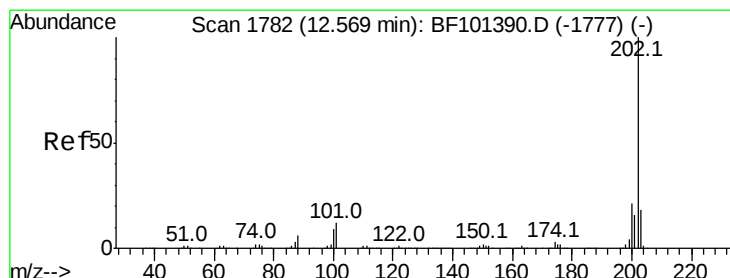
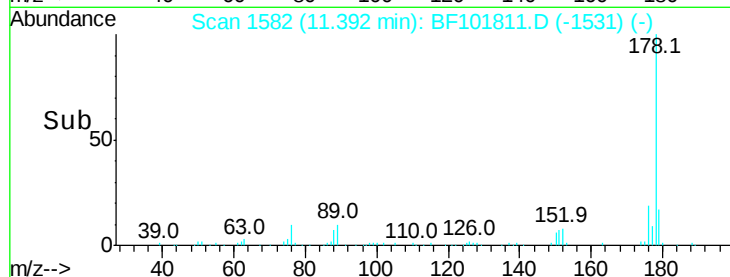
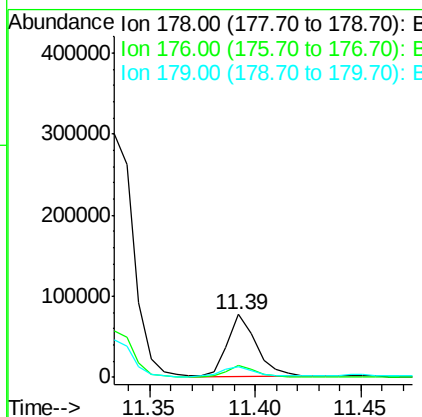
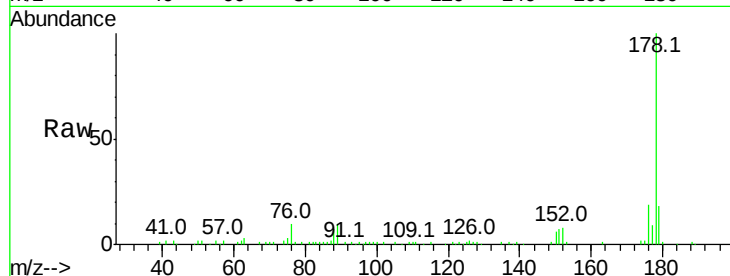
#71
 Anthracene
 Concen: 3.579 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 S6-5-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	17.7	12.6	19.0

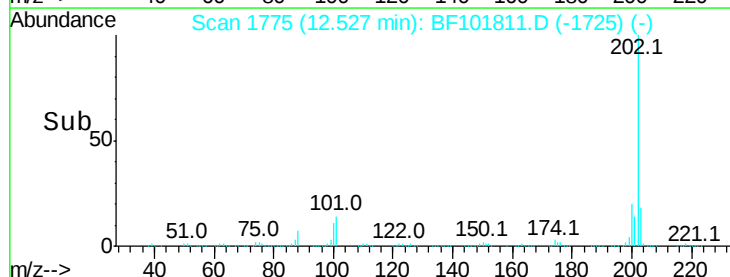
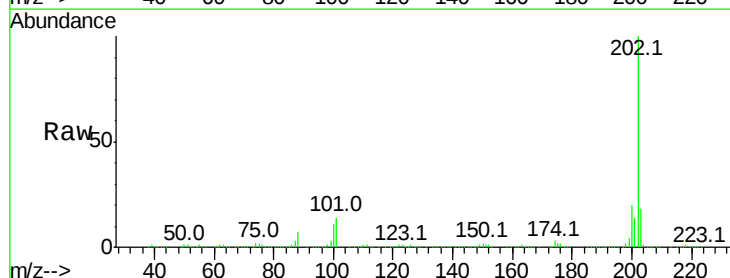
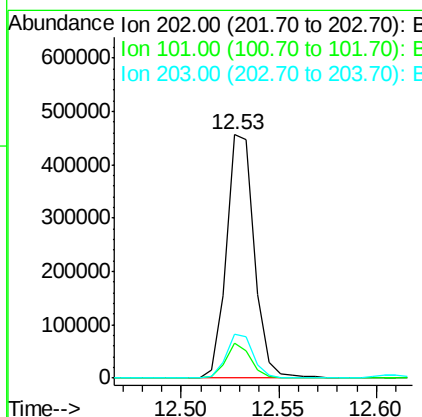
Manual Integrations
 APPROVED

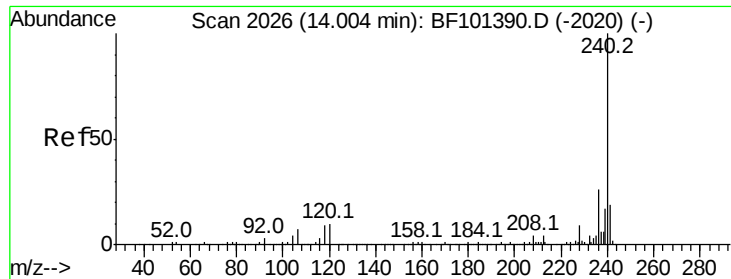
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#74
 Fluoranthene
 Concen: 21.362 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.1	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: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

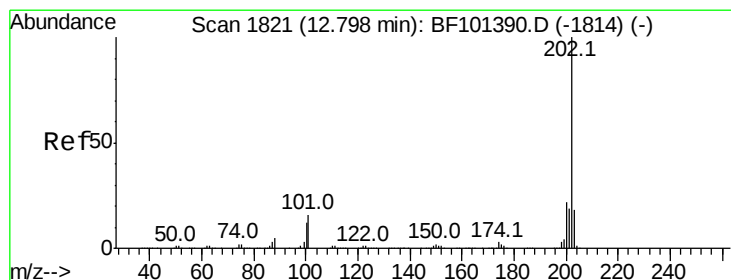
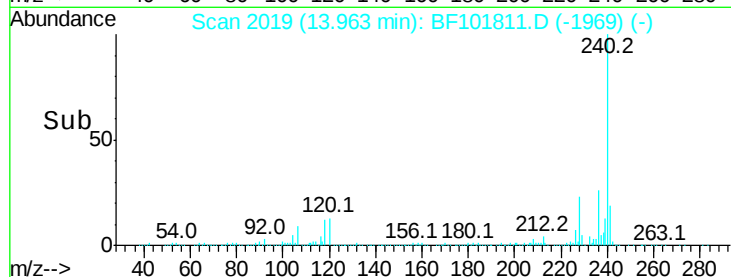
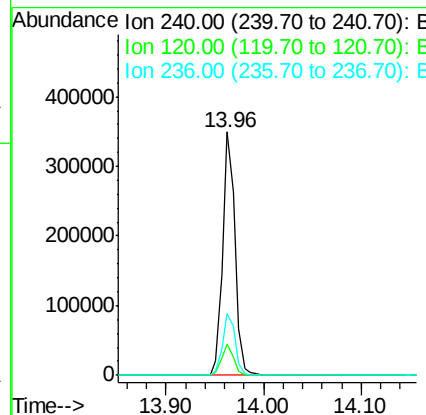
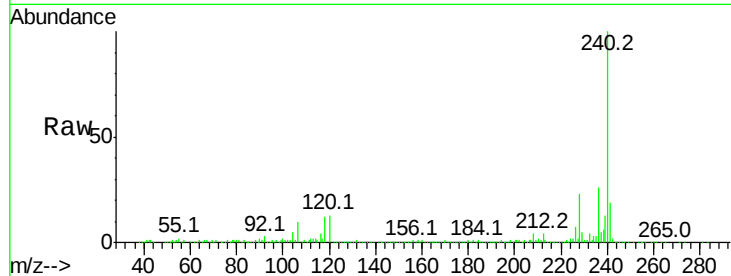
ClientSampleId :

S6-5-10

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.9	9.5	14.3	
236	25.6	20.7	31.1	

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#77

Pyrene

Concen: 17.737 ng

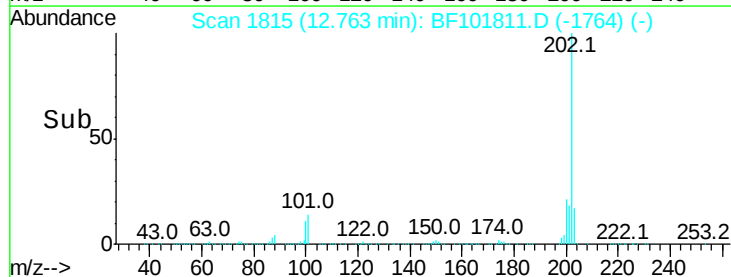
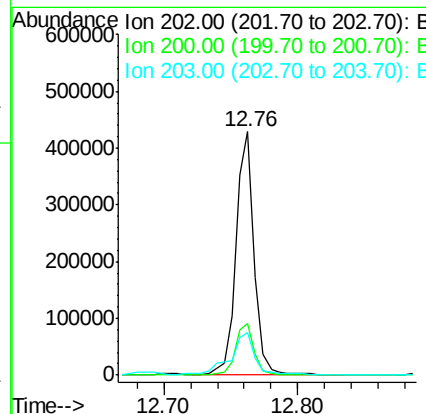
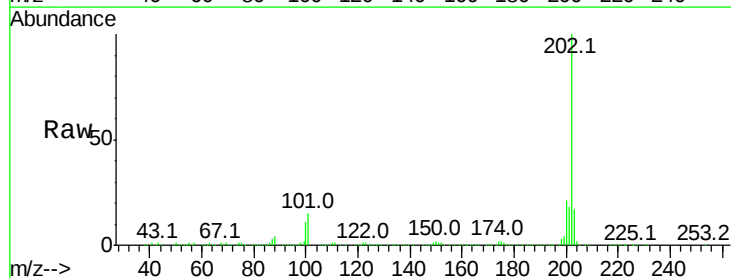
RT: 12.76 min Scan# 1815

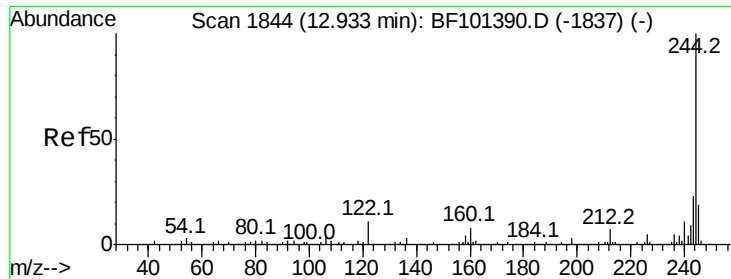
Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.4	26.2	
203	17.3	14.3	21.5	





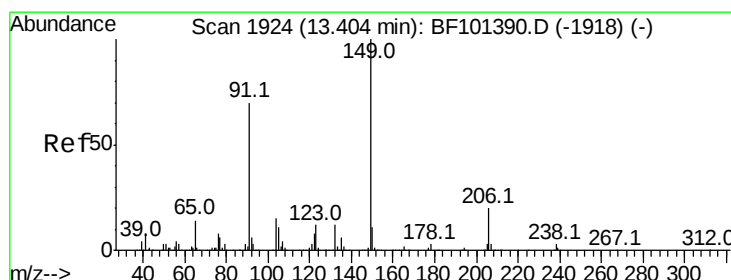
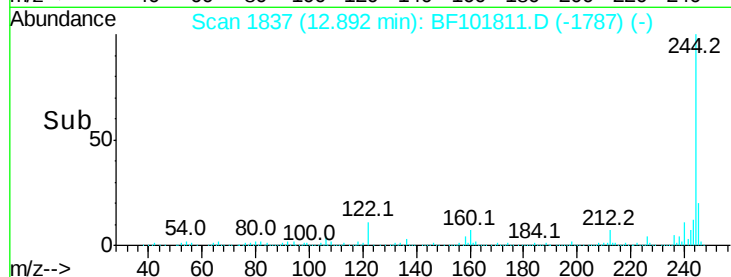
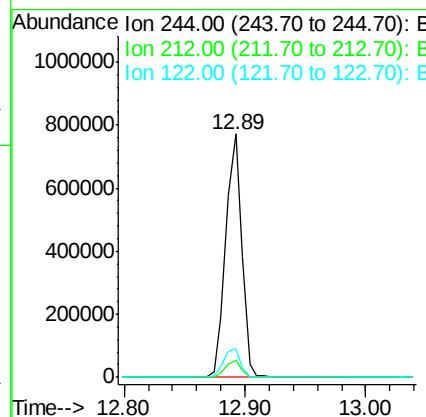
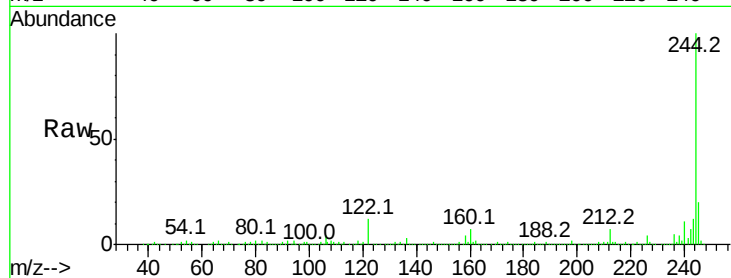
#78
 Terphenyl-d14
 Concen: 55.847 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampled :
 S6-5-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.5	11.0	16.4

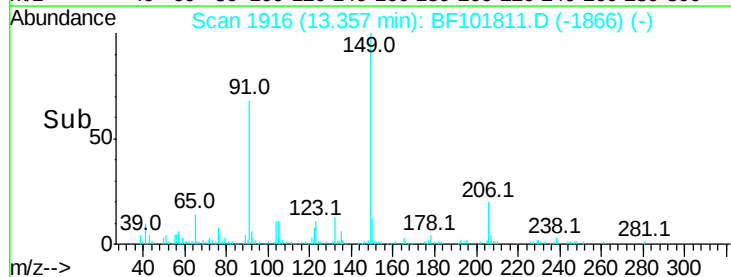
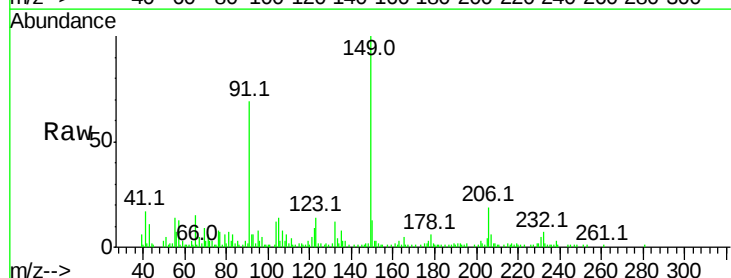
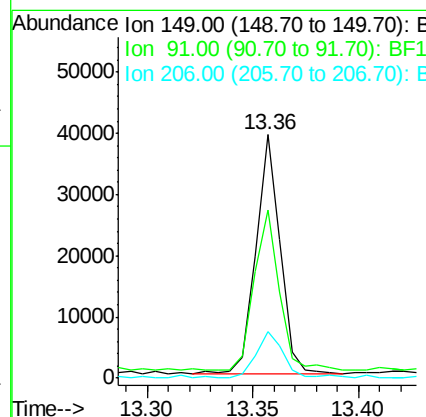
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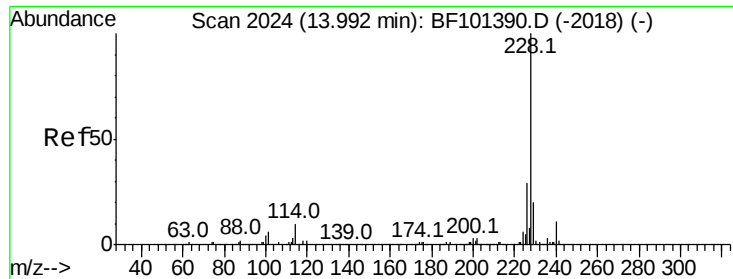
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#79
 Butylbenzylphthalate
 Concen: 3.040 ng
 RT: 13.36 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.0	56.8	85.2
206	19.2	14.1	21.1





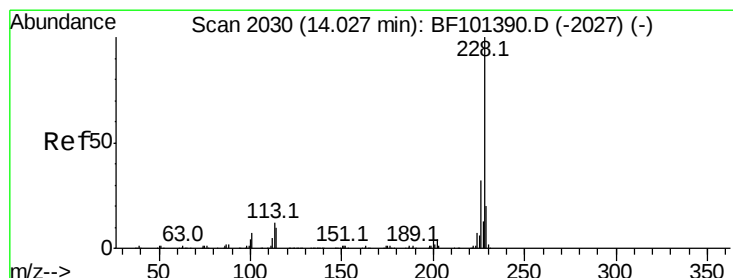
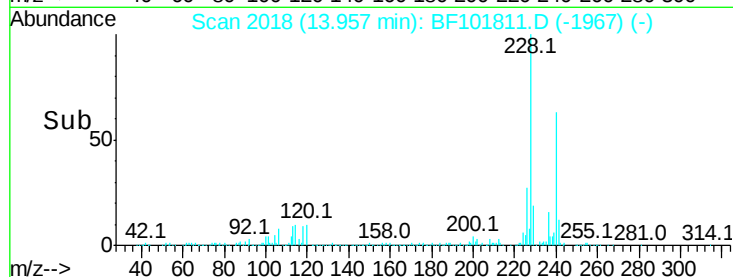
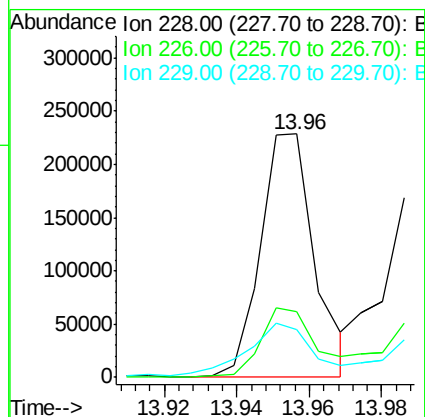
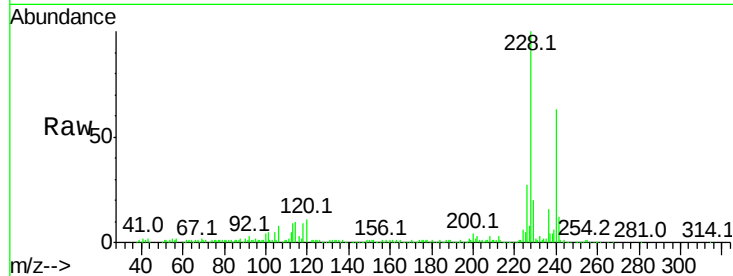
#80
Benzo(a)anthracene
Concen: 11.757 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampleId :
S6-5-10

Tot Ion	Ratio	Resp	Lower	Upper
228	100	236530		
226	27.0		22.6	33.8
229	19.9		15.8	23.6

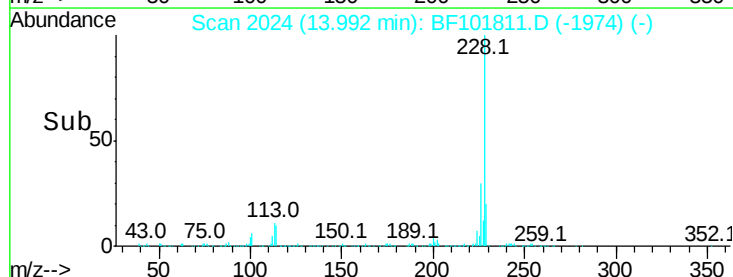
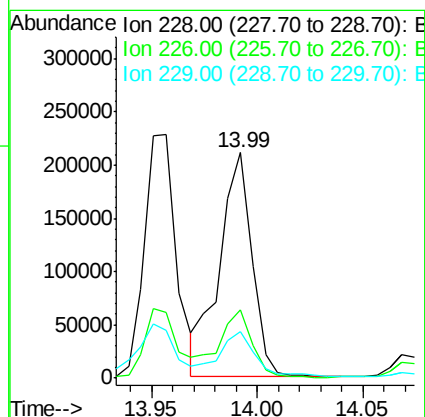
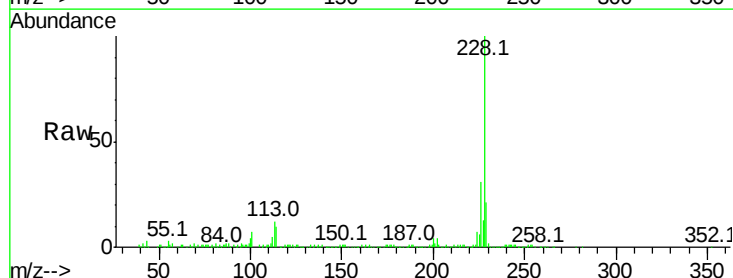
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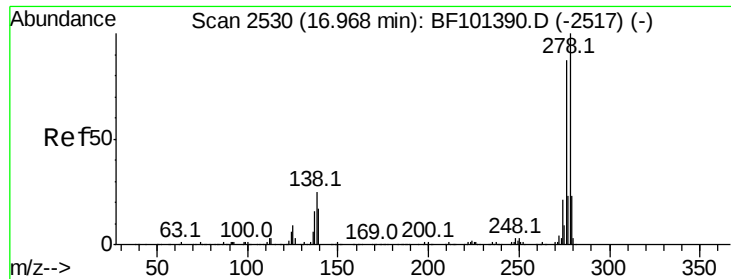
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#82
Chrysene
Concen: 11.904 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	226109		
226	30.6		25.0	37.6
229	20.6		16.2	24.4





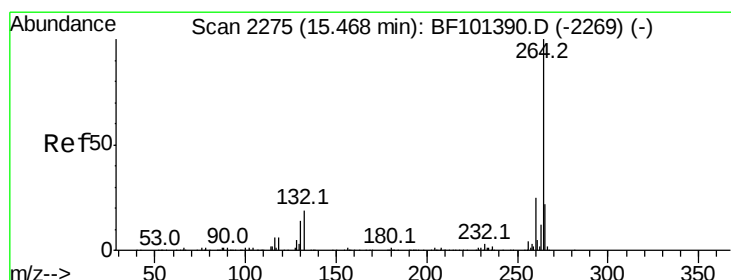
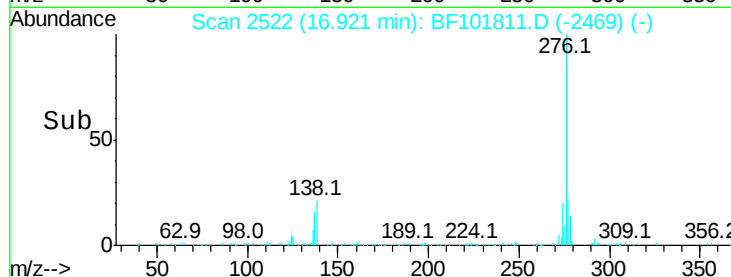
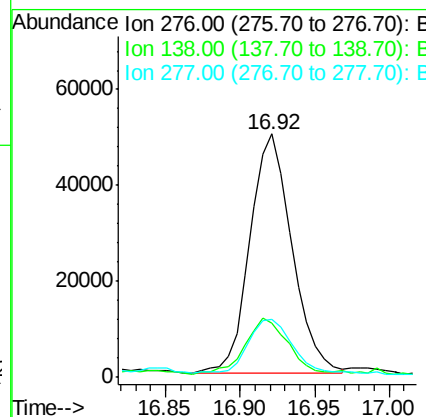
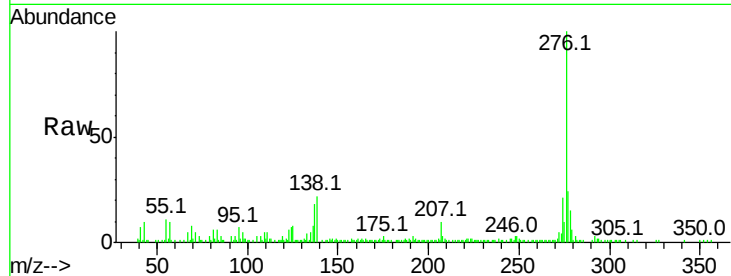
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.746 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampleId :
S6-5-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	25.0	37.6
277	23.1	20.1	30.1

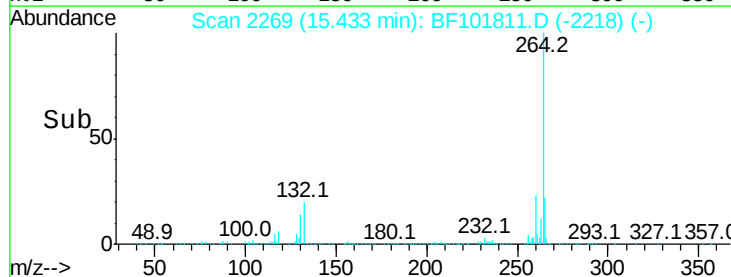
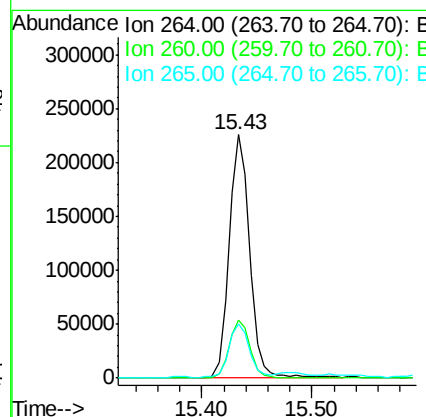
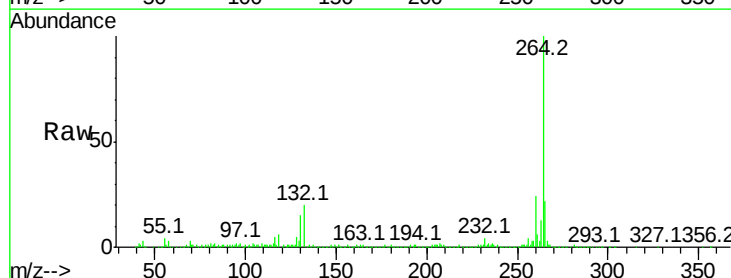
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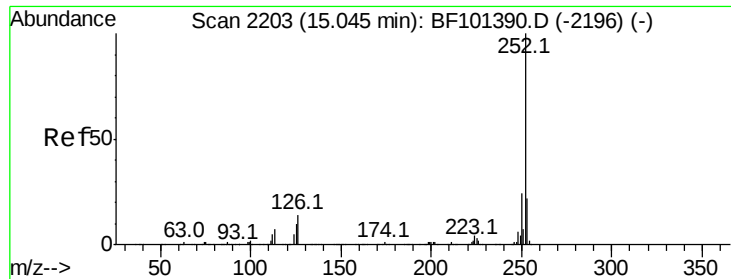
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3





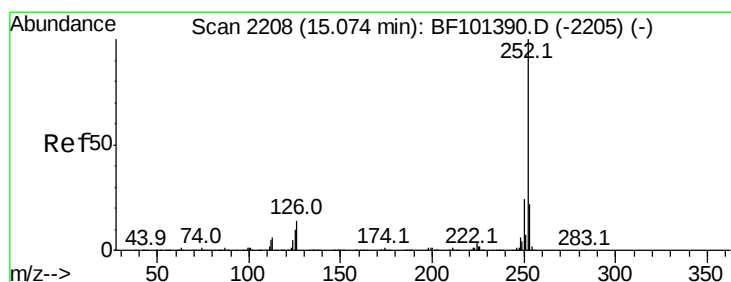
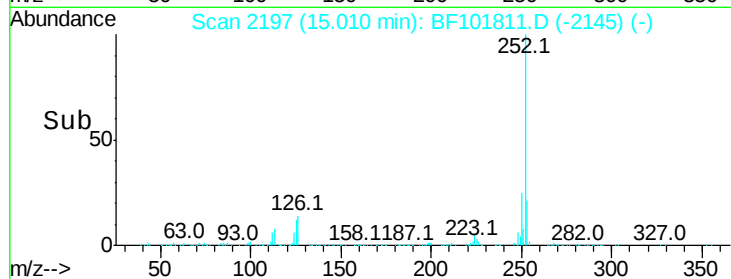
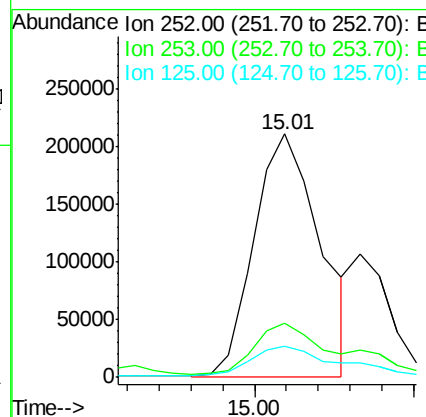
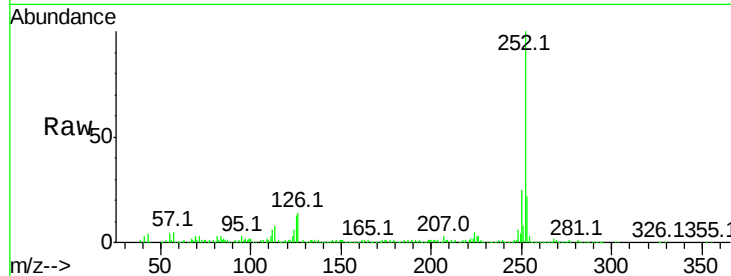
#87
Benzo(b)fluoranthene
Concen: 17.101 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampled :
S6-5-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.7	9.0	13.6

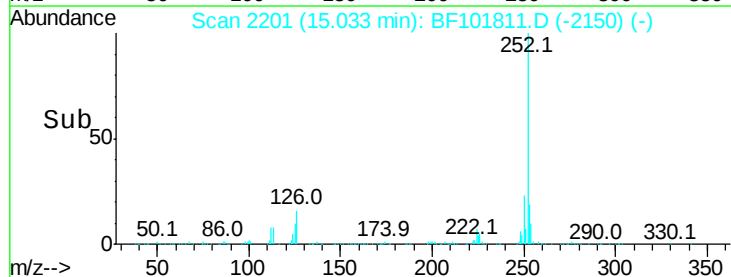
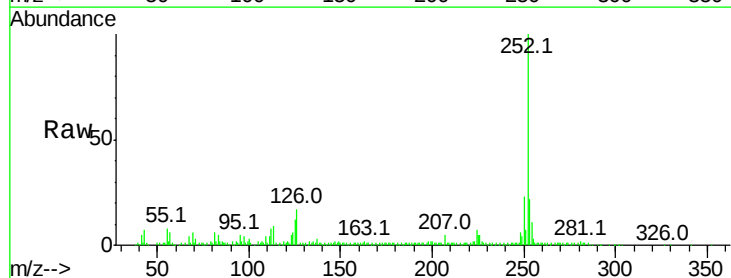
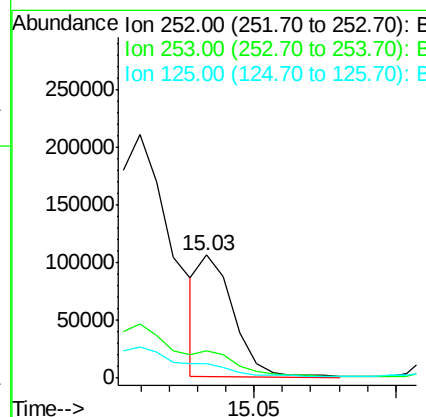
Manual Integrations
APPROVED

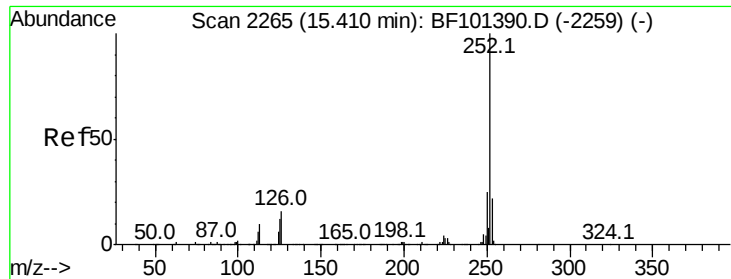
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#88
Benzo(k)fluoranthene
Concen: 5.164 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	12.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.076 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

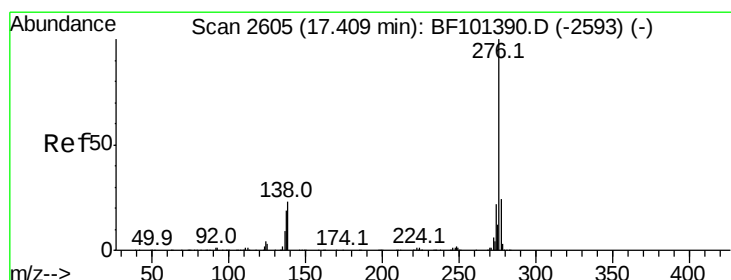
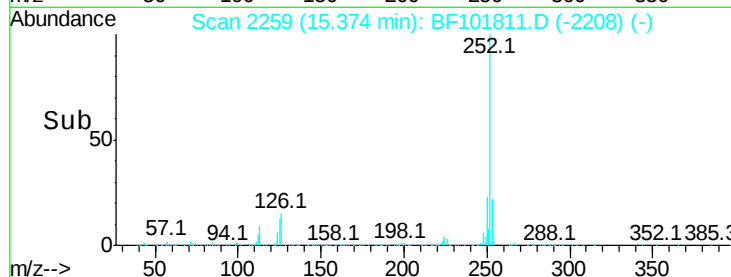
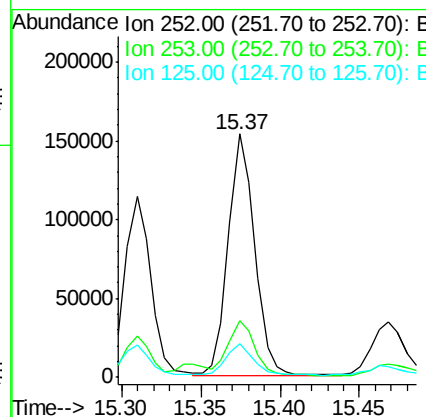
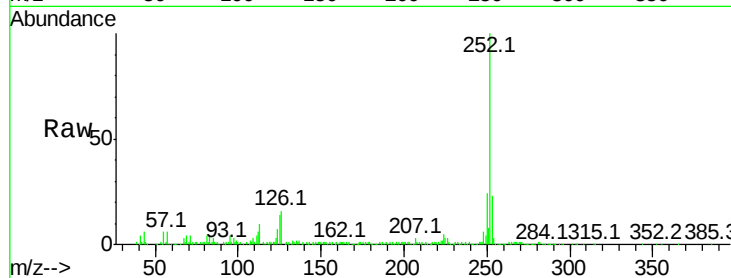
ClientSampleId :

S6-5-10

Tot Ion:	252	Resp:	181361
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	13.9	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.203 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.02 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Tgt Ion:	276	Resp:	86344
Ion Ratio	Lower	Upper	
276	100		
277	23.6	17.9	26.9
138	26.3	21.8	32.8

