

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101928.D
 Acq On : 5 Jan 2018 14:34
 Operator : SJ/JU
 Sample : J1004-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Manual Integrations
 APPROVED

Sohil
 1/8/2018 4:21:50 PM

Quant Time: Jan 05 15:21:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	133124	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	524107	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	209554	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	326624	20.00	ng	0.00
75) Chrysene-d12	13.96	240	259871	20.00	ng	0.00
86) Perylene-d12	15.43	264	219497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	956592	107.04	ng	0.00
7) Phenol-d6	6.43	99	1144949	102.94	ng	0.00
23) Nitrobenzene-d5	7.35	82	706881	75.08	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	153634	76.09	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	755408	55.92	ng	0.00
78) Terphenyl-d14	12.88	244	503603	46.72	ng	0.00
Target Compounds						
31) Naphthalene	8.08	128	65574	2.485	ng	99
49) Dimethylphthalate	9.53	163	85048	5.046	ng	98
51) Acenaphthene	9.84	154	34571	2.562	ng	97
57) Fluorene	10.36	166	48469	3.341	ng	99
70) Phenanthrene	11.33	178	431542	23.758	ng	99
71) Anthracene	11.39	178	94539m	5.095	ng	
74) Fluoranthene	12.53	202	405024	21.244	ng	97
77) Pyrene	12.76	202	371891	19.068	ng	99
80) Benzo(a)anthracene	13.95	228	196504	11.451	ng	97
82) Chrysene	13.99	228	183605	11.332	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	64457	4.468	ng	93
87) Benzo(b)fluoranthene	15.01	252	207740m	15.528	ng	
88) Benzo(k)fluoranthene	15.03	252	56252m	4.324	ng	
89) Benzo(a)pyrene	15.37	252	135779	11.009	ng	# 95
91) Benzo(a,h,i)perylene	17.39	276	59612	5.685	ng	96

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

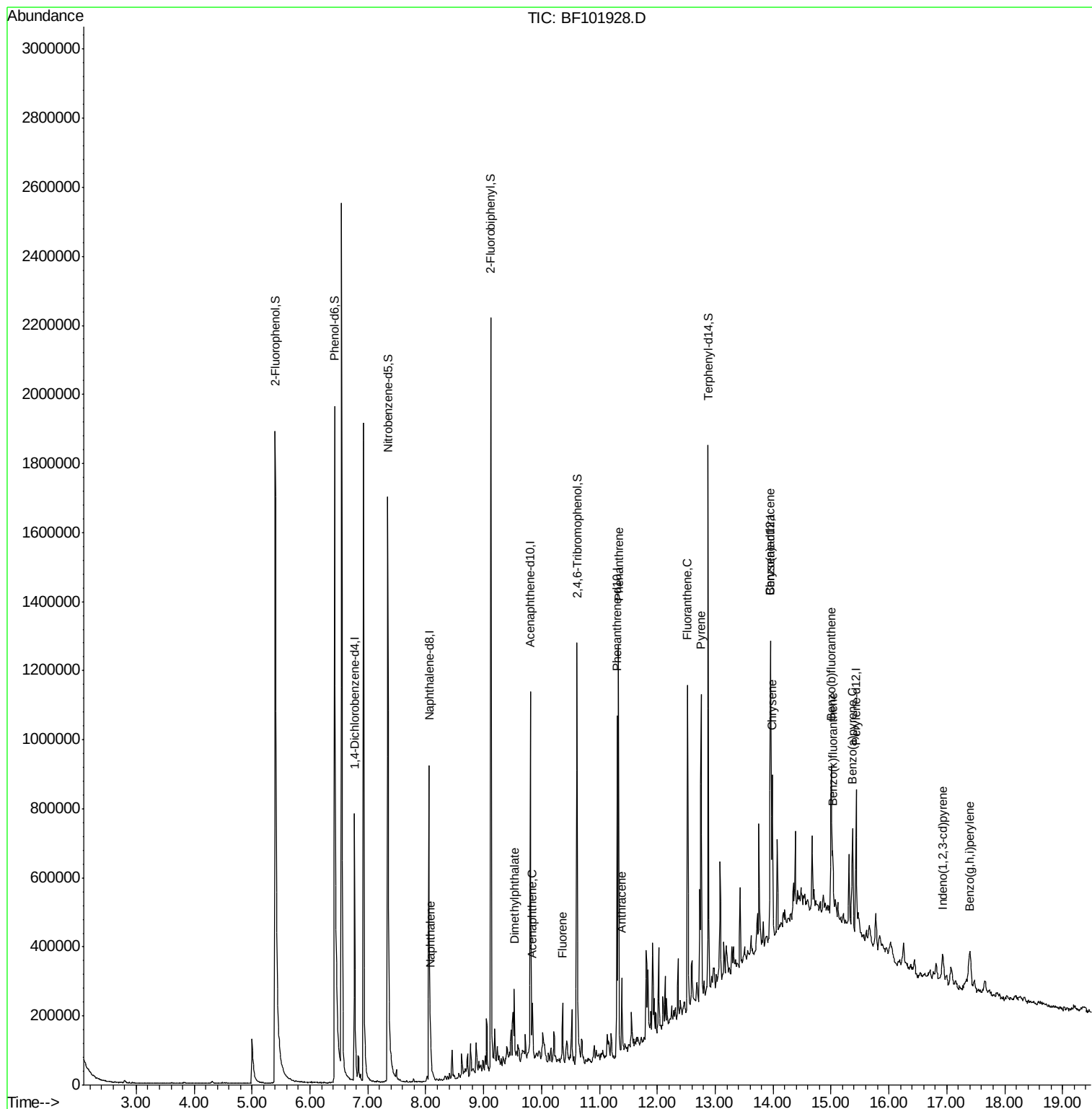
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101928.D
Acq On : 5 Jan 2018 14:34
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Sample : J1004-18
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ALS Vial : 13 Sample Multiplier: 1

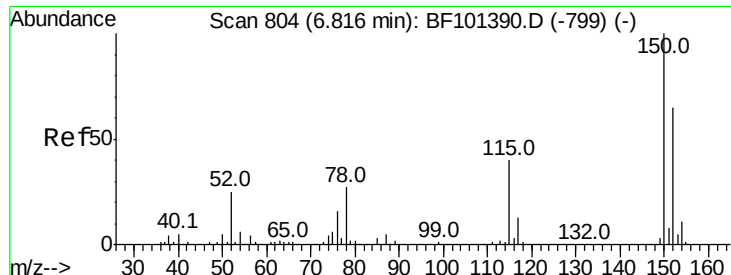
Instrument :
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#1

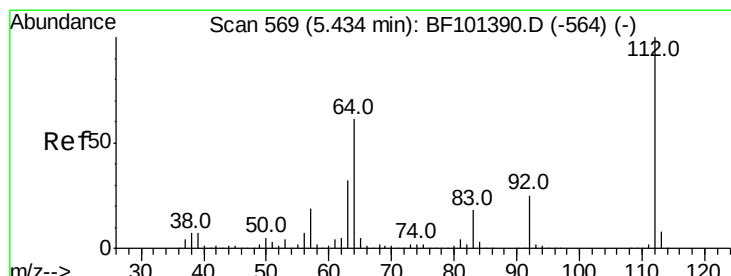
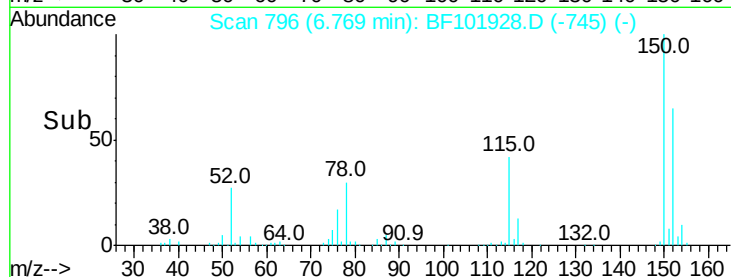
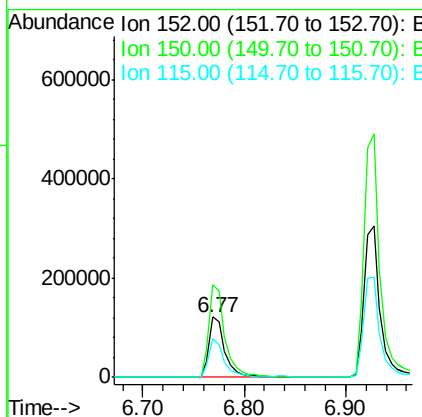
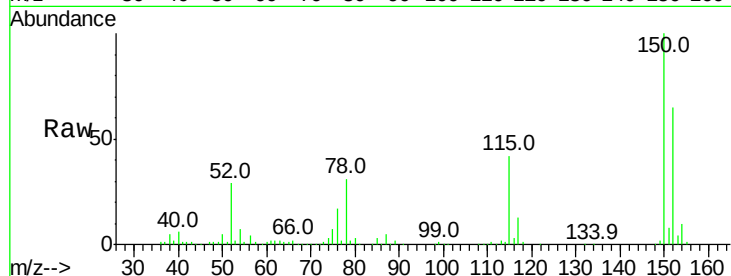
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	65.5	50.1	75.1

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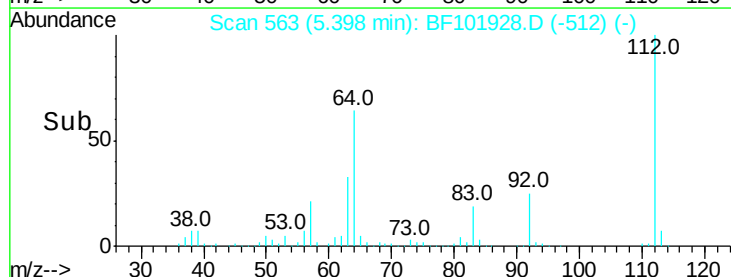
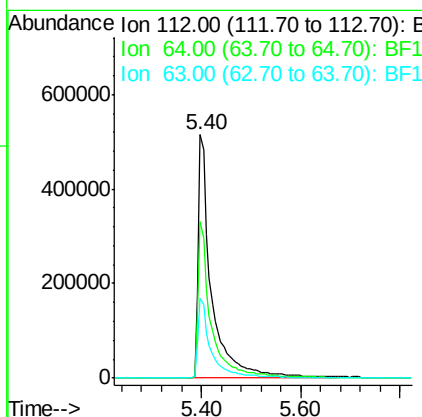
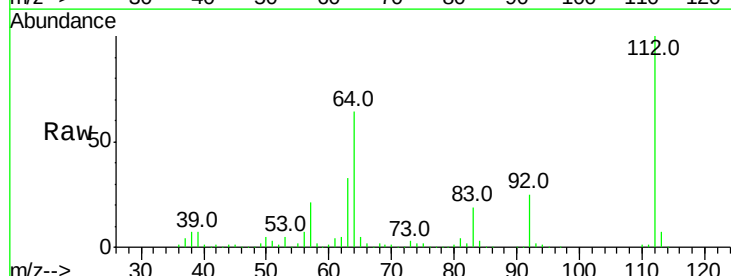
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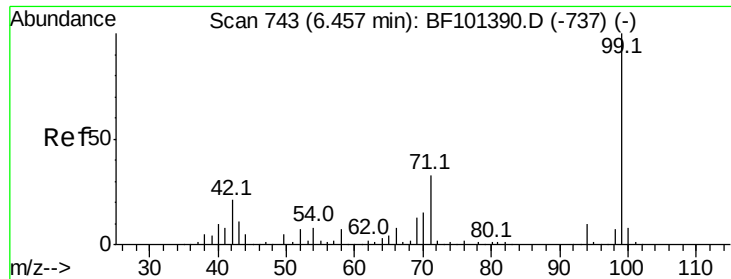


#5

2-Fluorophenol
Concen: 107.037 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 102.940 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tot Ion: 99 Resp: 1144949

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

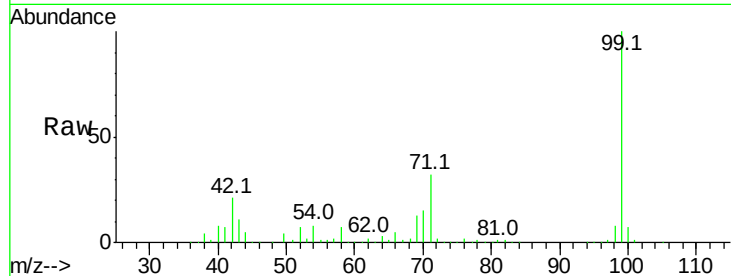
71 32.0 25.4 38.0

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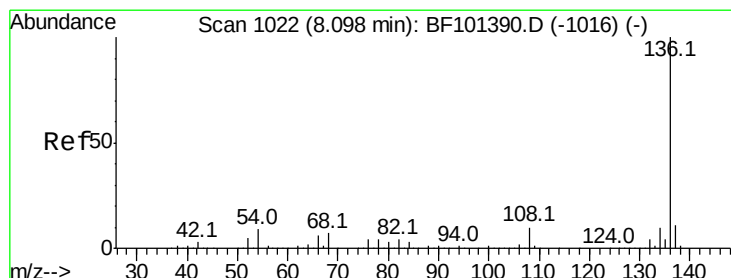
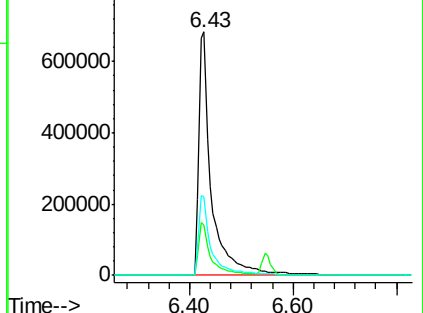
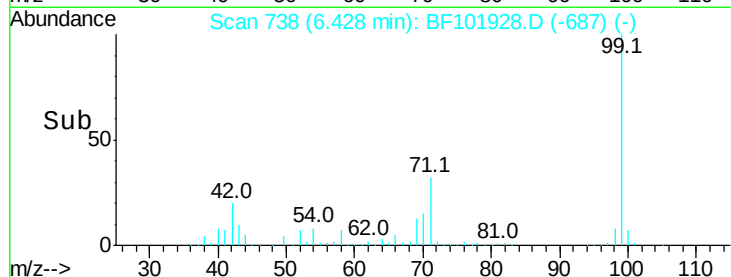
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Tgt Ion: 136 Resp: 524107

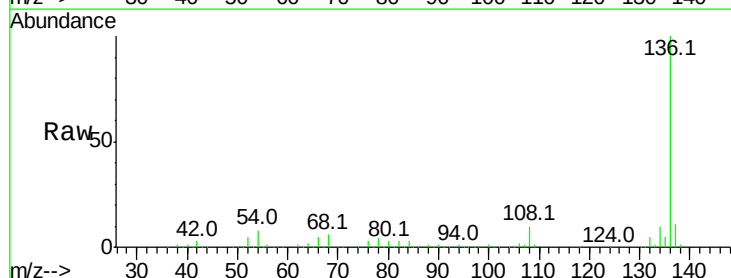
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.3 6.6 9.8

68 6.2 5.0 7.4

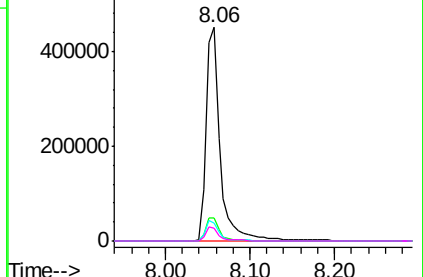
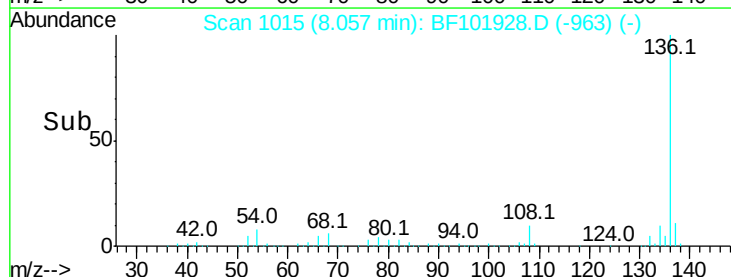


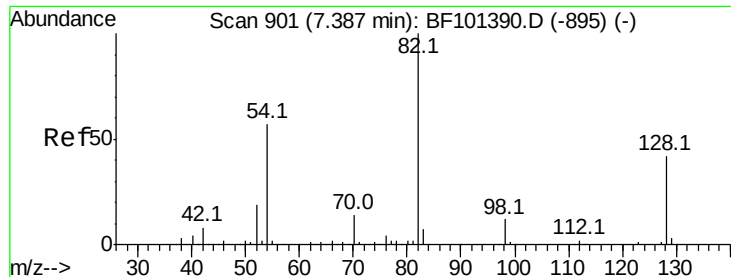
Abundance Ion 136.00 (135.70 to 136.70): E

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





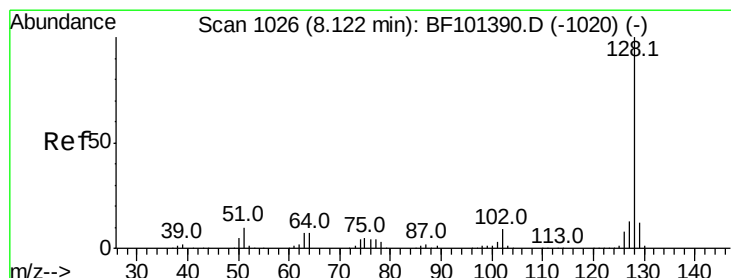
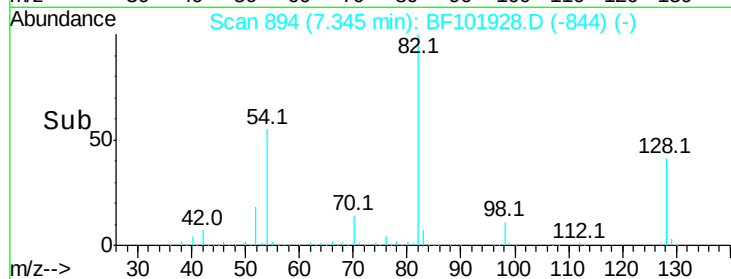
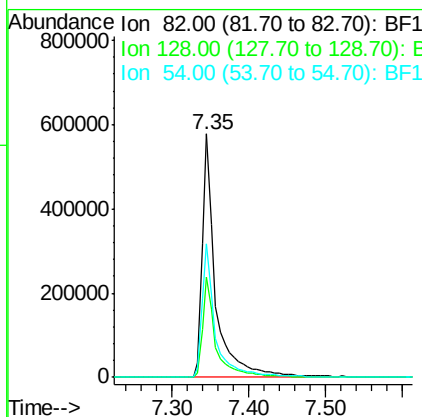
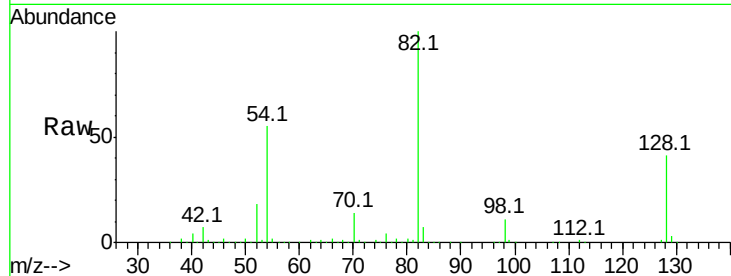
#23
Nitrobenzene-d5
Concen: 75.078 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	706881		
128	41.1	36.1	54.1	
54	54.8	41.4	62.2	

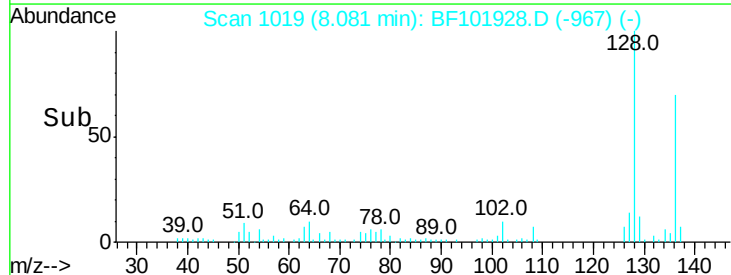
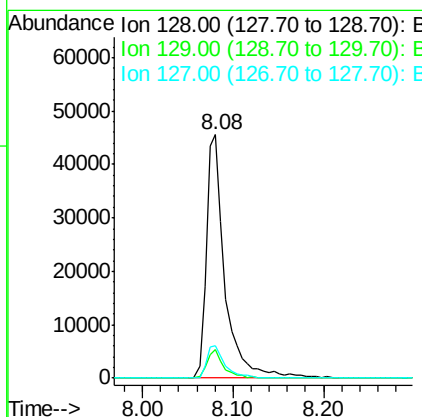
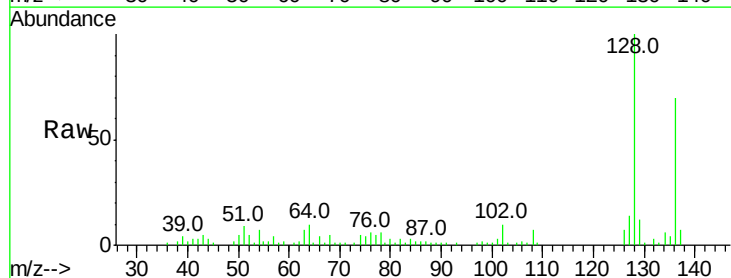
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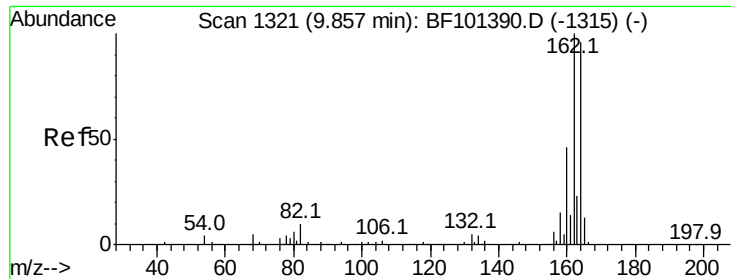
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#31
Naphthalene
Concen: 2.485 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	65574		
129	11.6	8.8	13.2	
127	13.5	10.9	16.3	





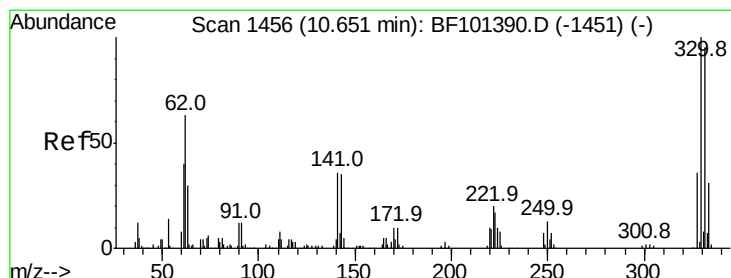
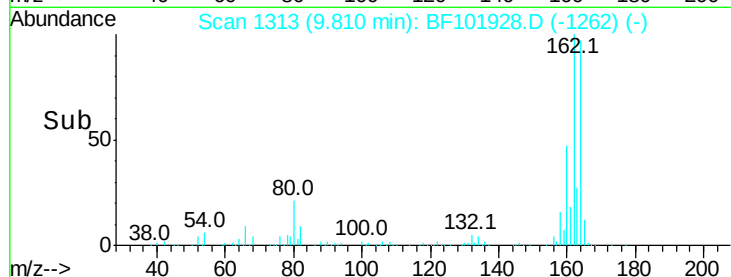
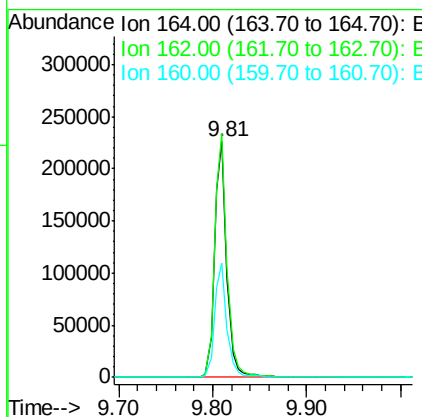
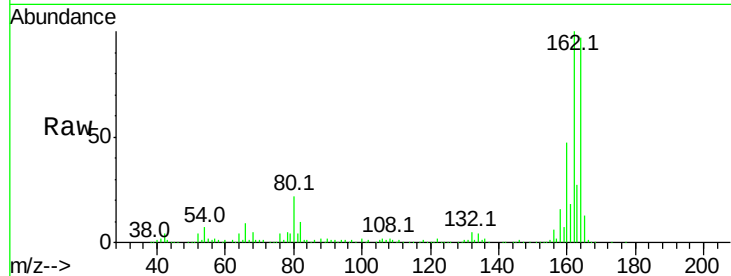
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF101928.D
 Acq: 5 Jan 2018 14:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	209554		
162	103.3		86.1	129.1
160	48.4		38.3	57.5

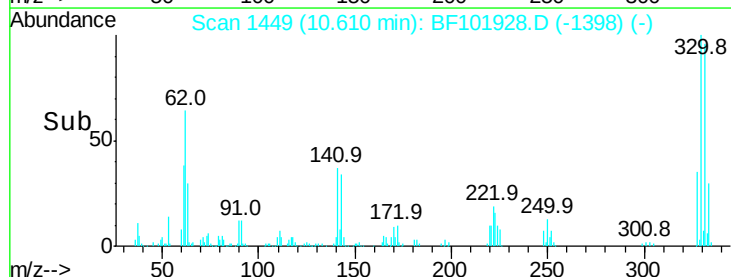
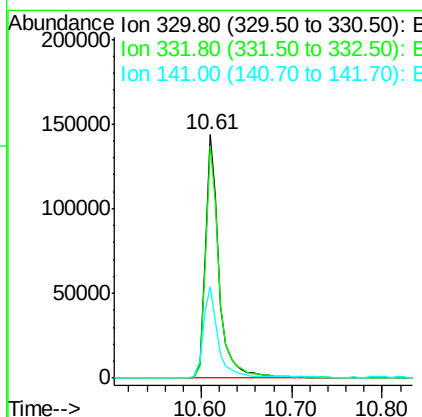
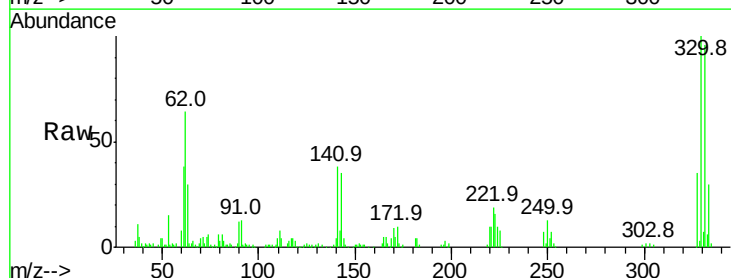
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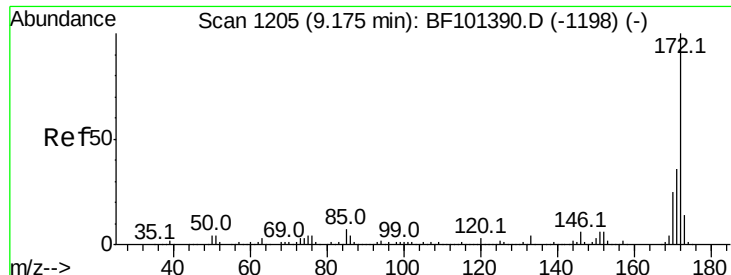
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#41
 2,4,6-Tribromophenol
 Concen: 76.086 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF101928.D
 Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	153634		
332	95.9		77.0	115.6
141	39.7		29.9	44.9





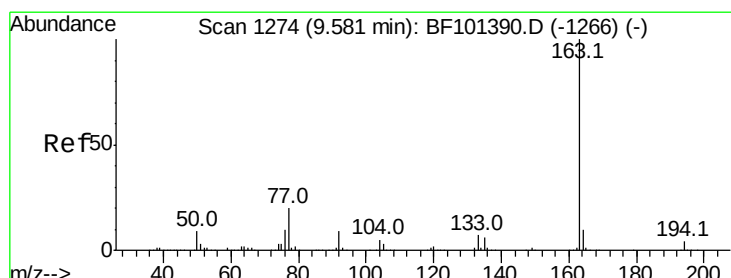
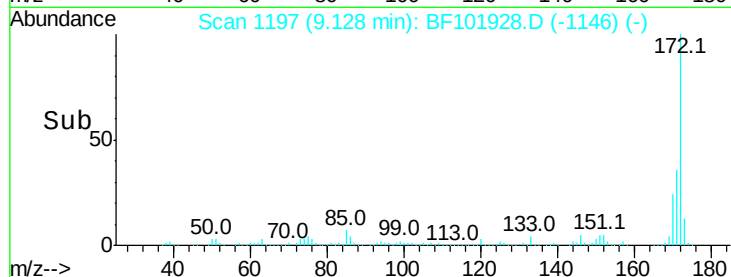
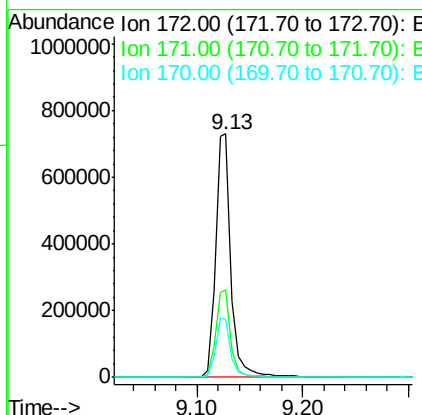
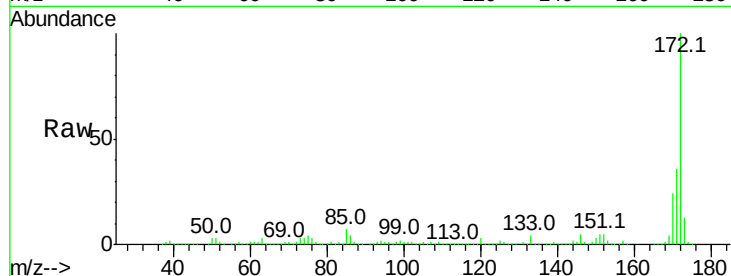
#44
2-Fluorobiphenyl
Concen: 55.920 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	23.7	19.6	29.4	

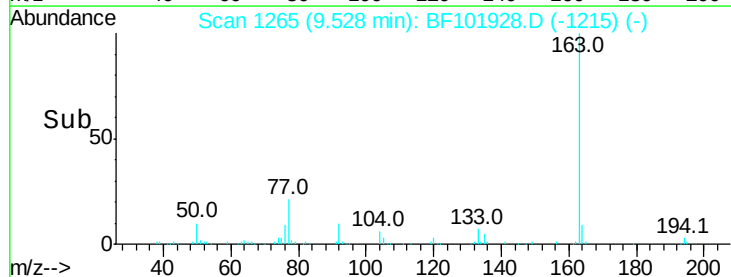
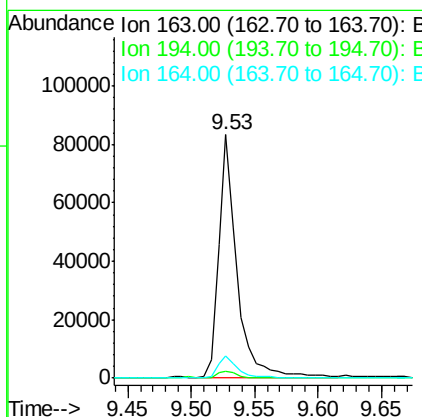
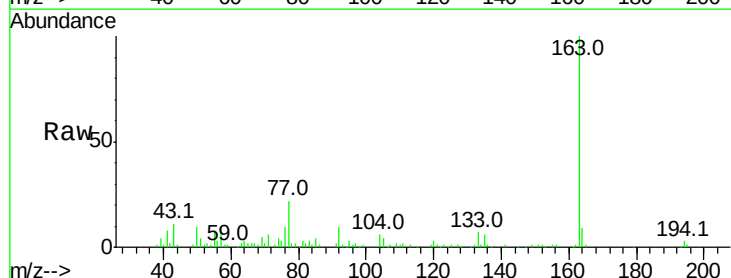
Manual Integrations
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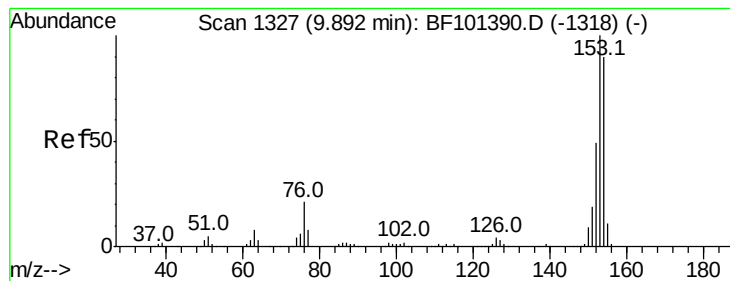
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#49
Dimethylphthalate
Concen: 5.046 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.8	2.7	4.1	
164	9.3	8.2	12.2	





#51

Acenaphthene

Concen: 2.562 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

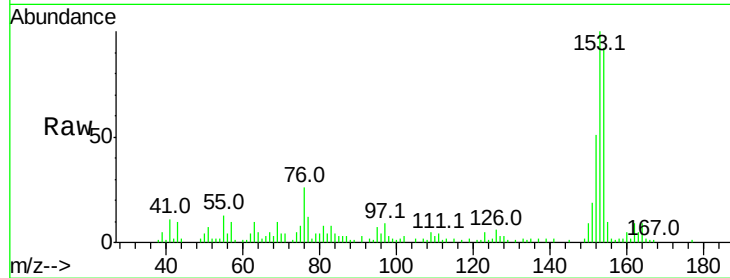
ClientSampleId :

SB-12-COMP

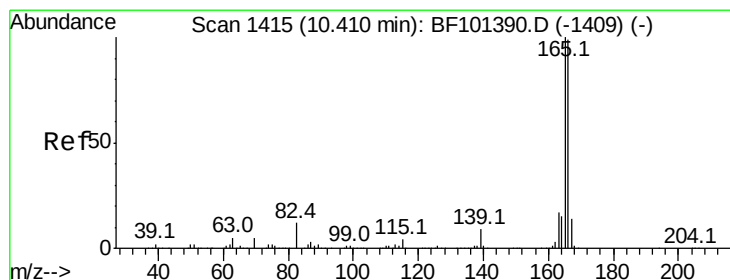
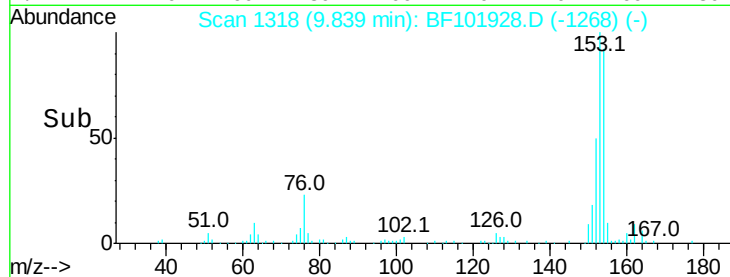
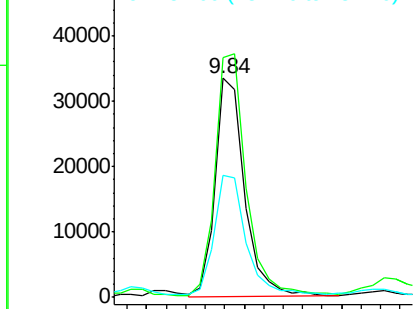
Tot Ion:	154	Resp:	34571
Ion Ratio	Lower	Upper	
154	100		
153	109.2	91.2	136.8
152	55.5	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.341 ng

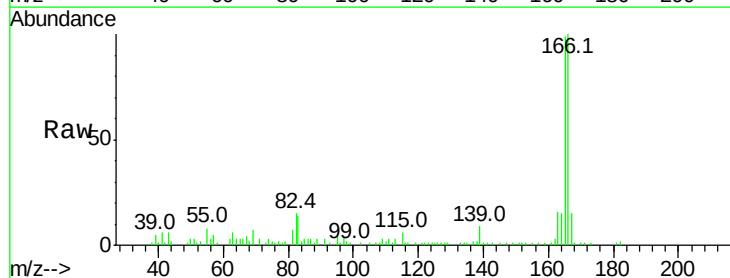
RT: 10.36 min Scan# 1407

Delta R.T. -0.00 min

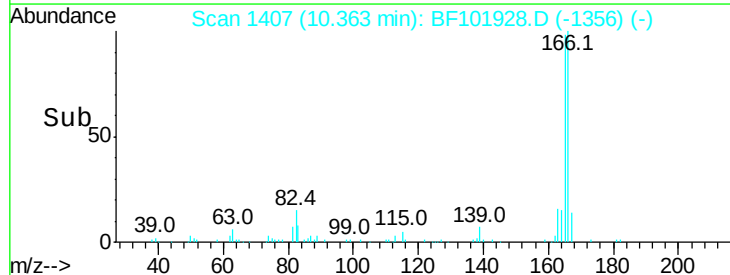
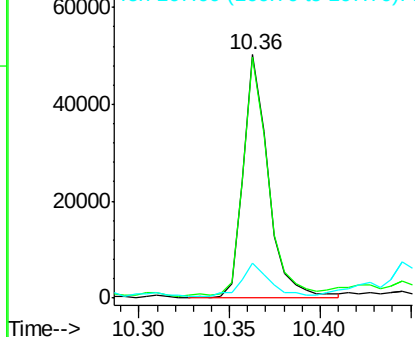
Lab File: BF101928.D

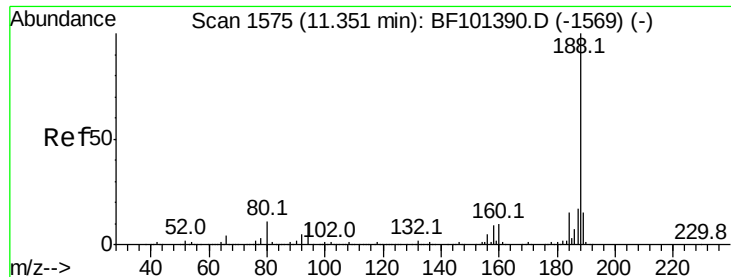
Acq: 5 Jan 2018 14:34

Tgt Ion:	166	Resp:	48469
Ion Ratio	Lower	Upper	
166	100		
165	99.0	79.8	119.8
167	14.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





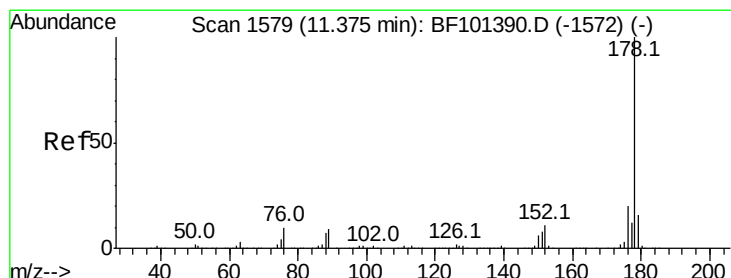
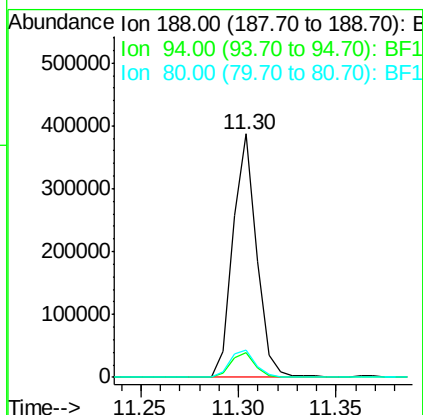
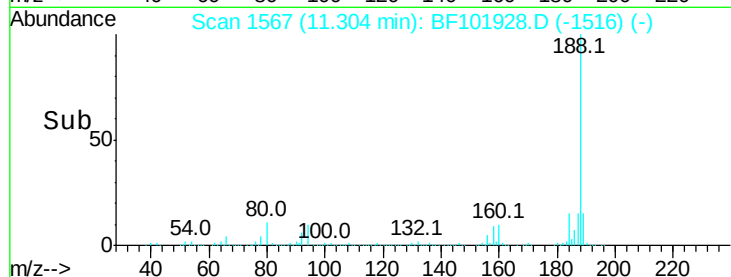
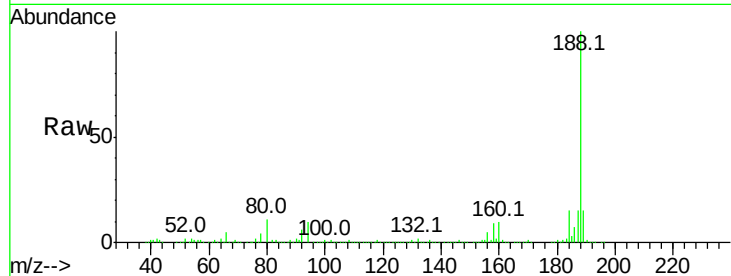
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.2	8.5	12.7	
80	11.0	9.2	13.8	

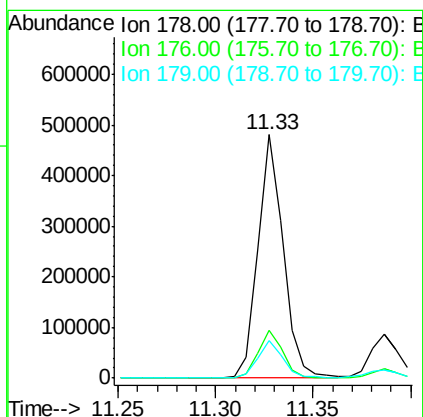
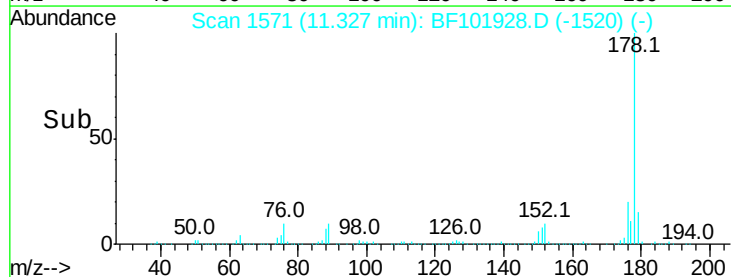
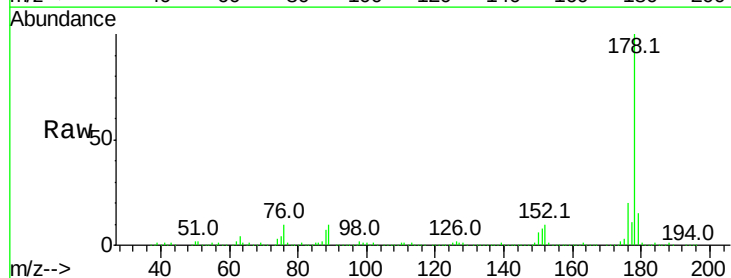
Manual Integrations
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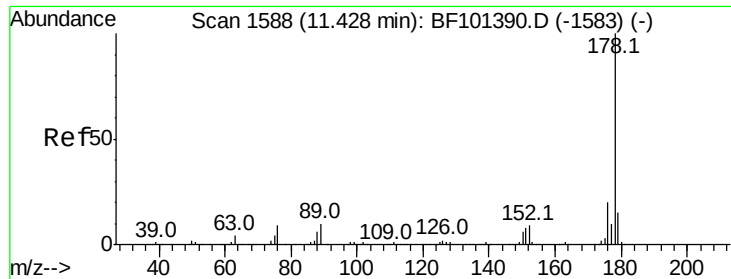
Sohil
1/8/2018 4:21:50 PM



#70
Phenanthrene
Concen: 23.758 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.6	15.8	23.8	
179	15.3	13.0	19.6	





#71

Anthracene

Concen: 5.095 ng/mL

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tot Ion:178 Resp: 94539

Ion Ratio Lower Upper

178 100

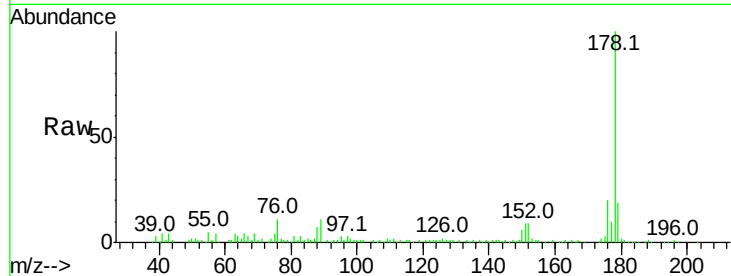
176 20.0 15.4 23.2

179 19.3 12.6 19.0#

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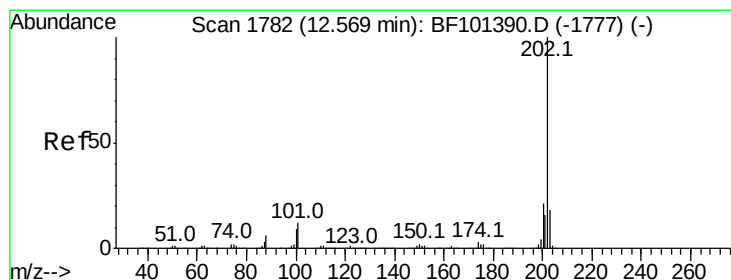
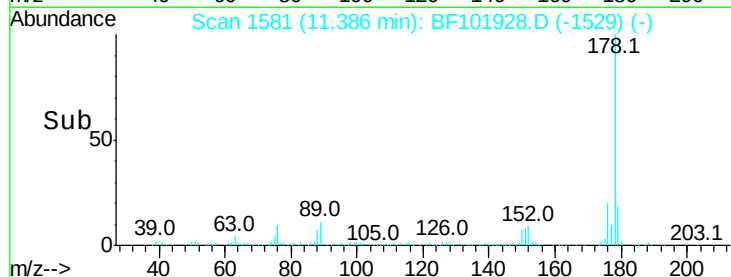
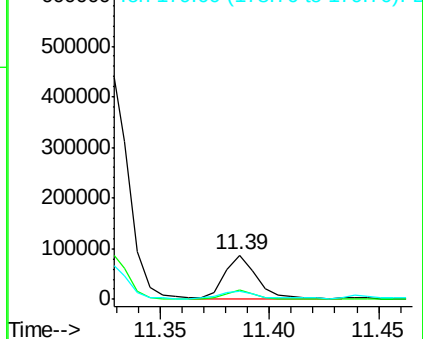
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 21.244 ng/mL

RT: 12.53 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

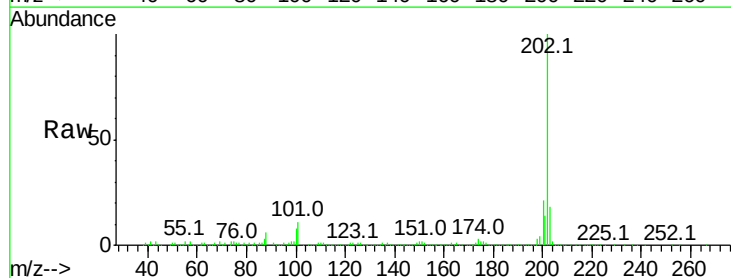
Tgt Ion:202 Resp: 405024

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

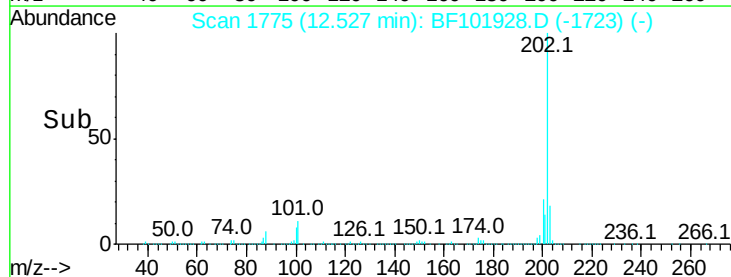
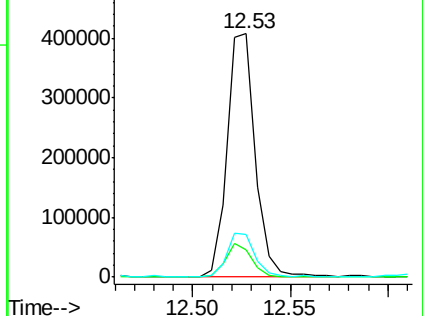
203 17.7 0.0 38.1

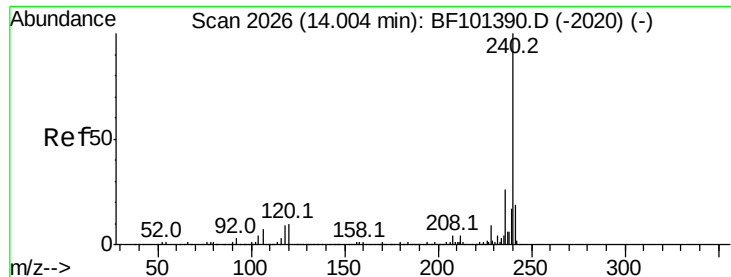


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

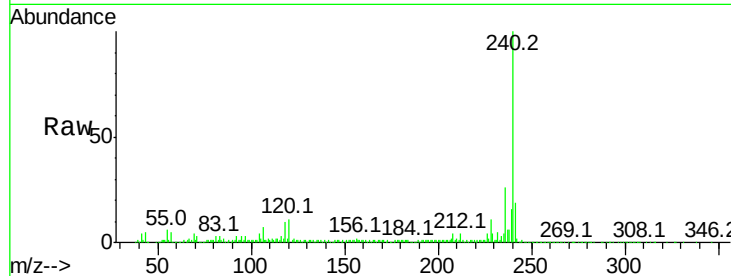
ClientSampleId :

SB-12-COMP

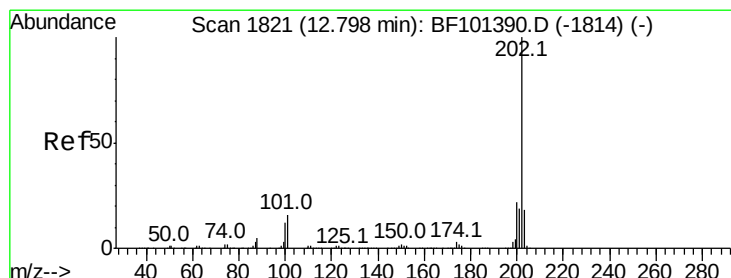
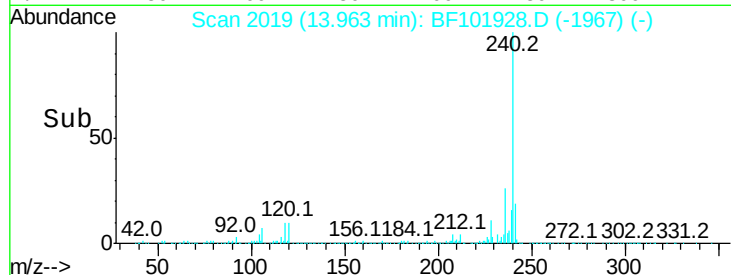
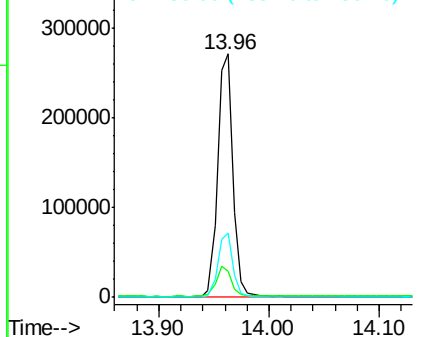
Tot Ion:	240	Resp:	259871
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	26.3	20.7	31.1

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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



#77

Pyrene

Concen: 19.068 ng

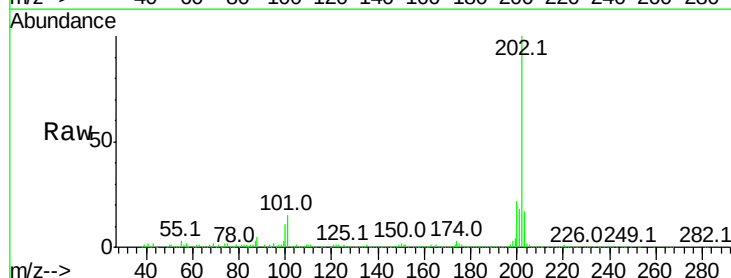
RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

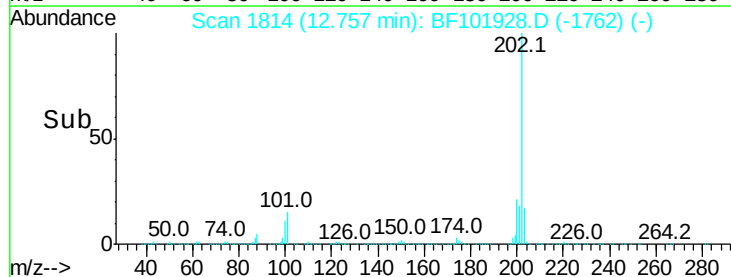
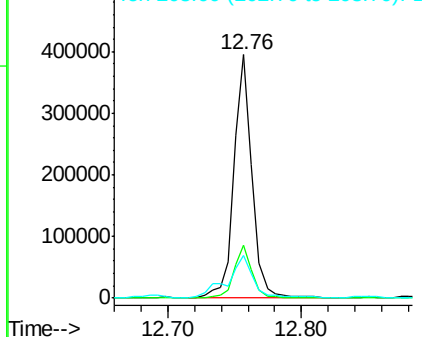
Lab File: BF101928.D

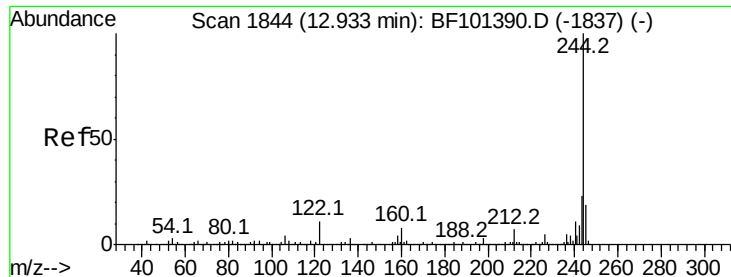
Acq: 5 Jan 2018 14:34

Tgt Ion:	202	Resp:	371891
Ion Ratio	Lower	Upper	
202	100		
200	21.5	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





#78

Terphenyl-d14

Concen: 46.718 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

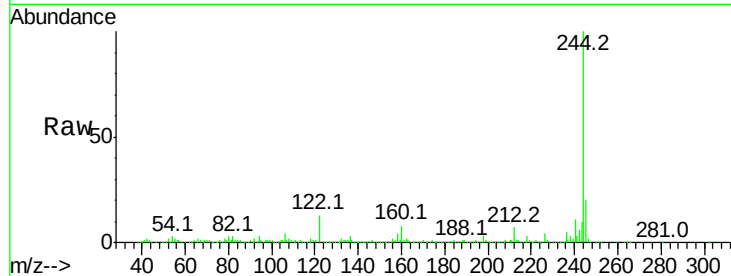
ClientSampleId :

SB-12-COMP

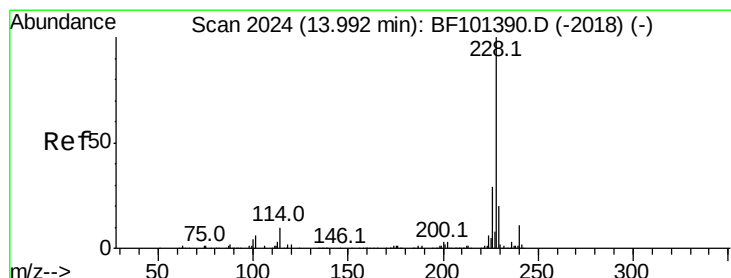
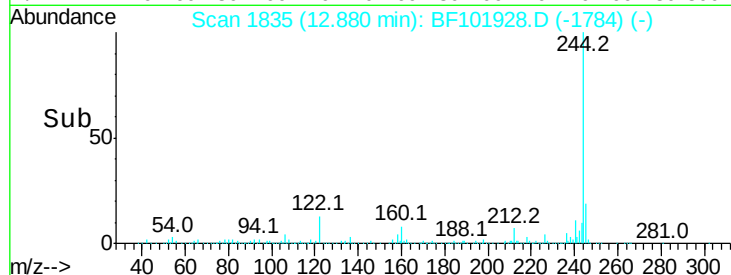
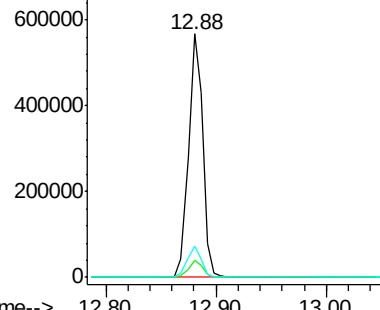
Tot Ion:	244	Resp:	503603
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	12.9	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 11.451 ng

RT: 13.95 min Scan# 2017

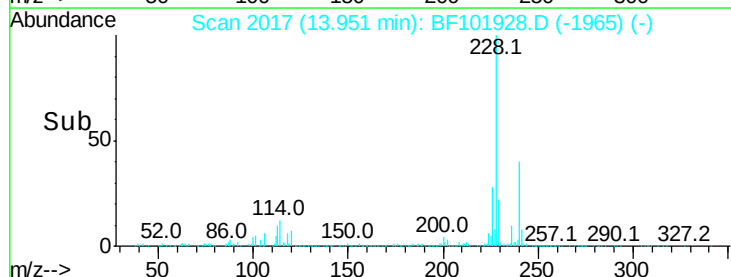
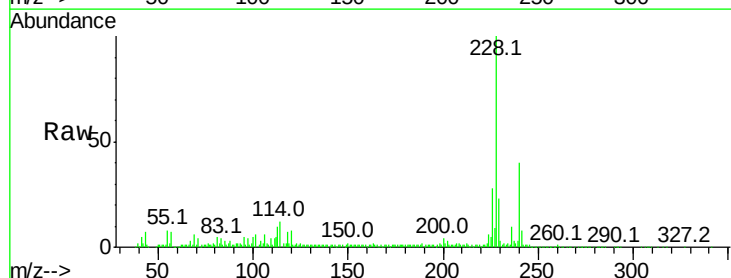
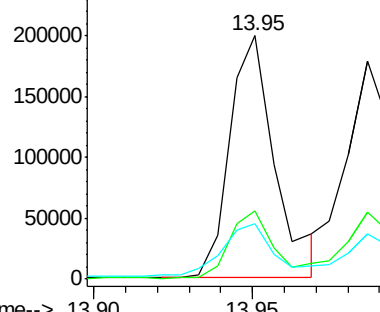
Delta R.T. 0.01 min

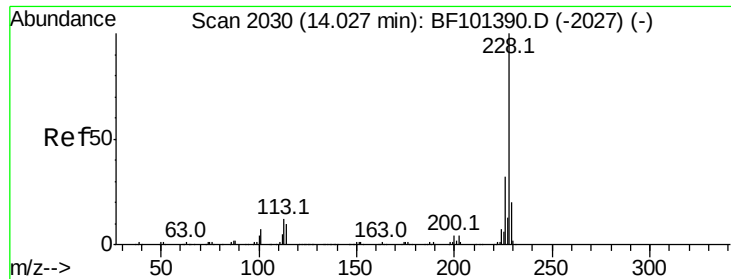
Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Tgt Ion:	228	Resp:	196504
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	22.8	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





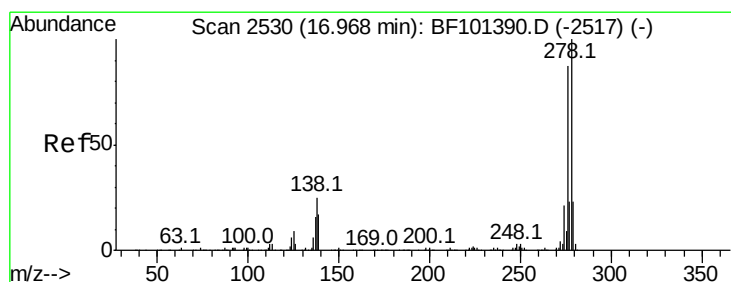
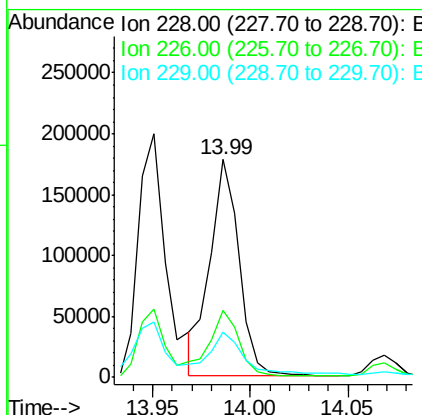
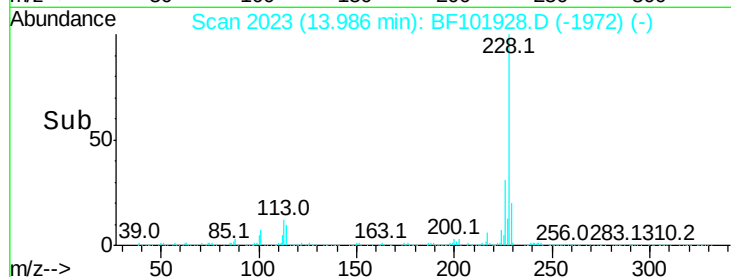
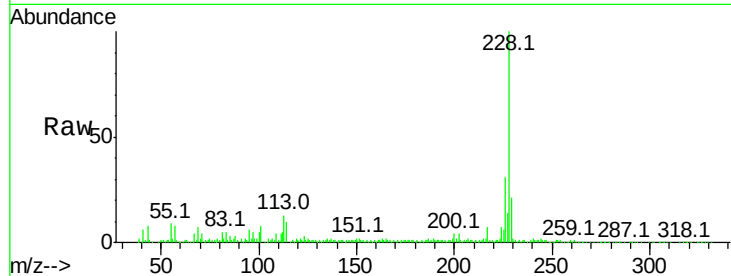
#82
Chrysene
Concen: 11.332 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampled :
SB-12-COMP

Tot Ion:	228	Resp:	183605
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	20.9	16.2	24.4

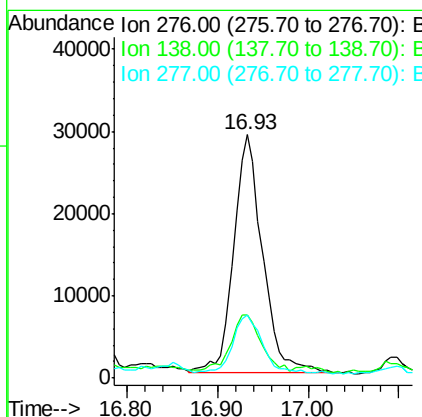
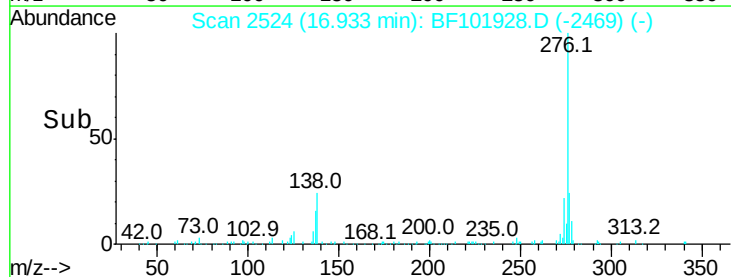
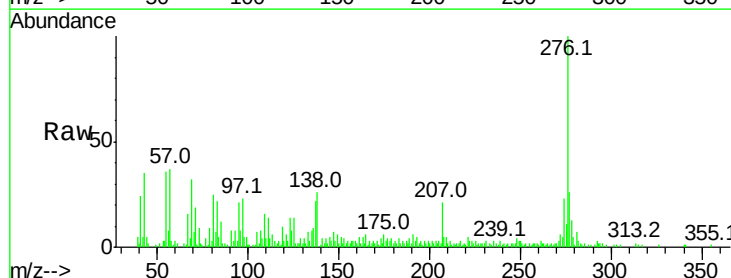
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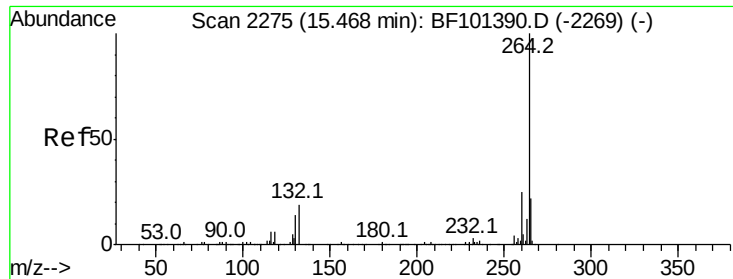
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.468 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:	276	Resp:	64457
Ion Ratio	Lower	Upper	
276	100		
138	25.4	25.0	37.6
277	24.1	20.1	30.1





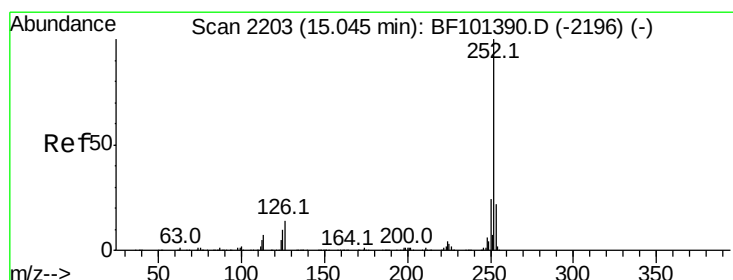
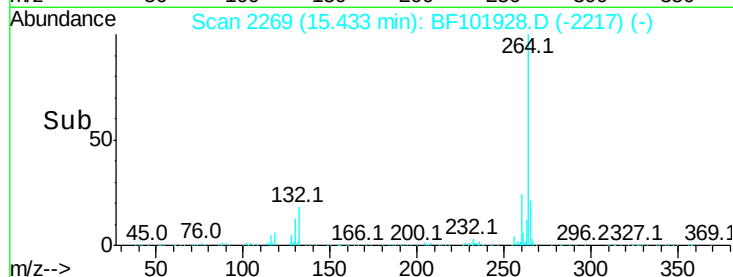
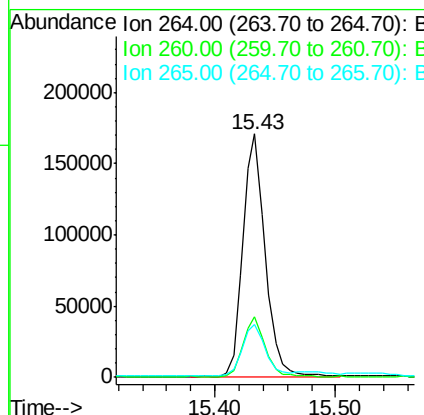
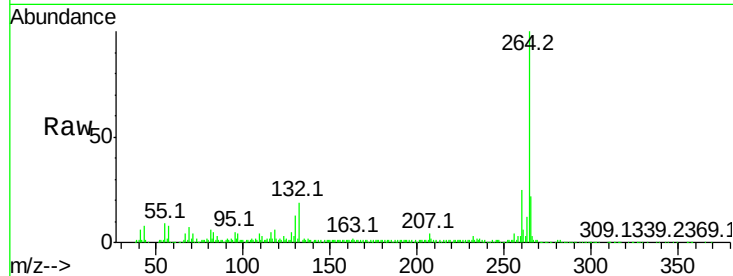
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.6	17.5	26.3

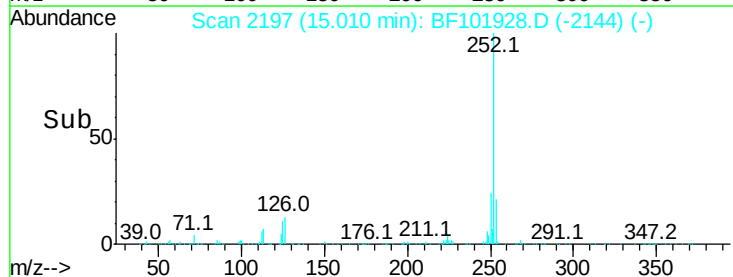
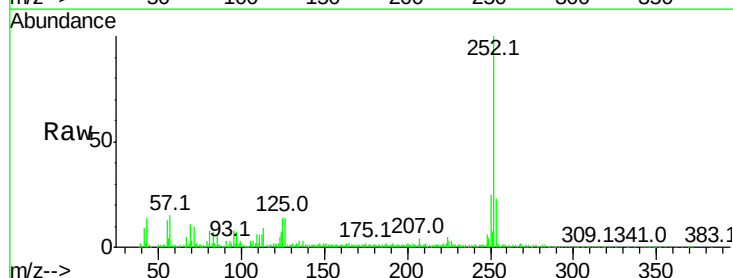
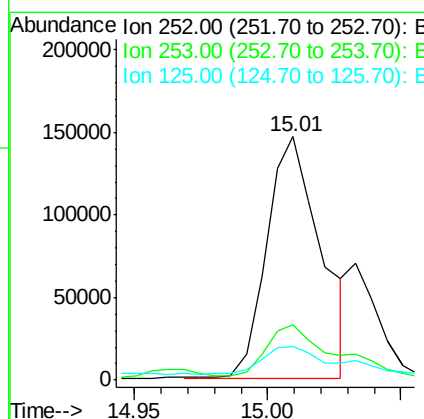
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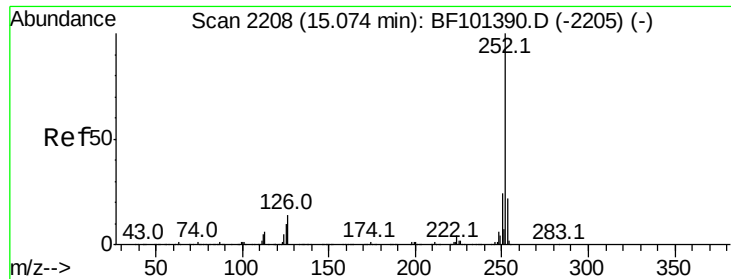
Sohil
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#87
Benzo(b)fluoranthene
Concen: 15.528 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.8	9.0	13.6





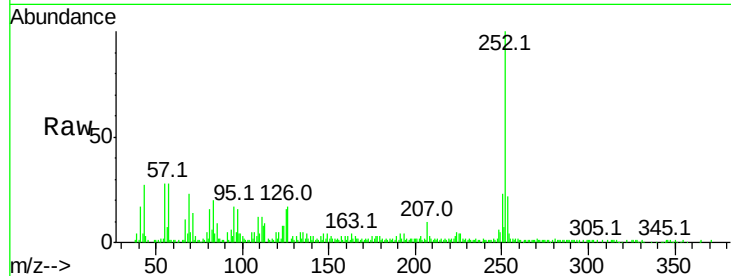
#88
Benzo(k)fluoranthene
Concen: 4.324 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

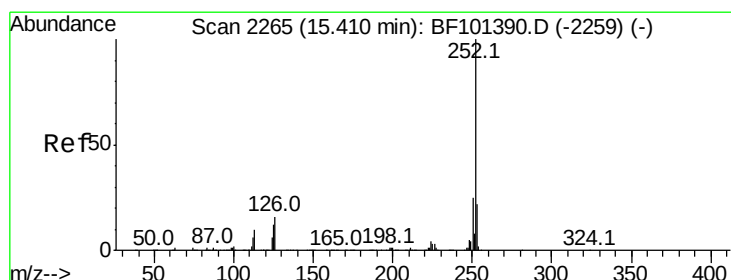
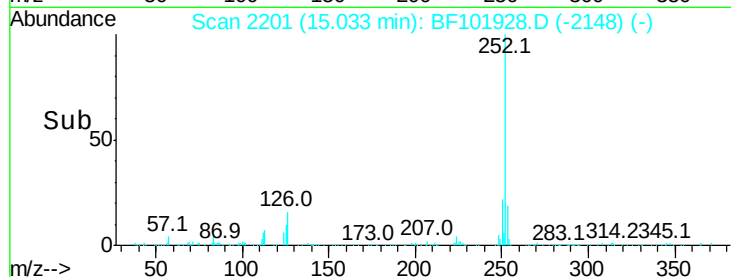
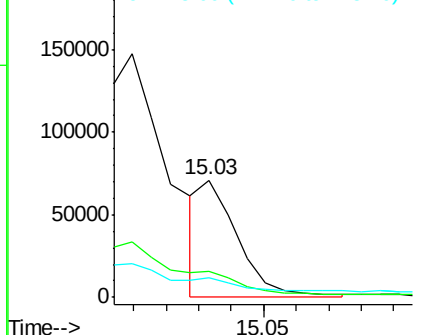
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	16.3	10.2	15.2

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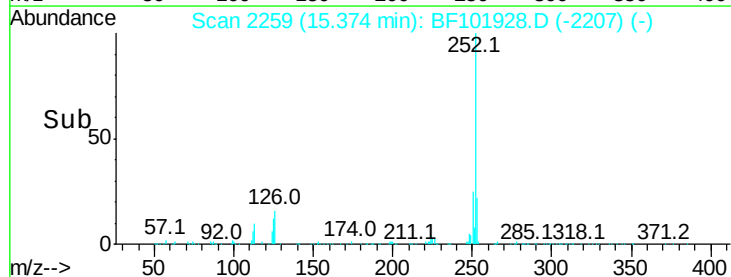
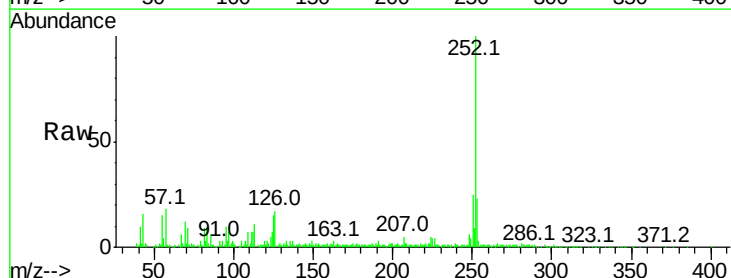
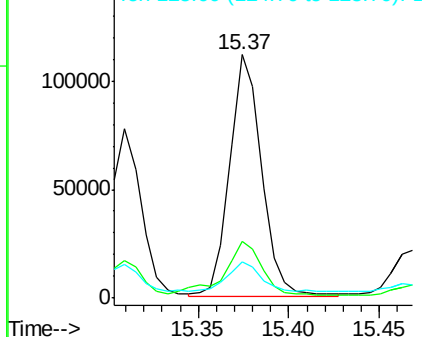
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

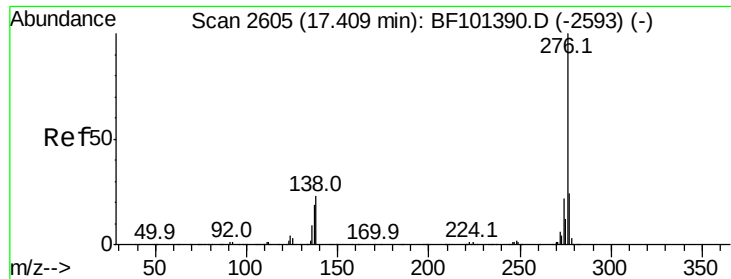


#89
Benzo(a)pyrene
Concen: 11.009 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.1	9.8	14.6

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





#91
 Benzo(a,h,i)perylene
 Concen: 5.685 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.03 min
 Lab File: BF101928.D
 Acq: 5 Jan 2018 14:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	28.2	21.8	32.8

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