

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101914.D
 Acq On : 5 Jan 2018 4:40
 Operator : SJ/JU
 Sample : J1004-20
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Manual Integrations
 APPROVED

Sohil
 1/5/2018 10:30:06 AM

Quant Time: Jan 05 06:18:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138378	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	500234	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	166598	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	265773	20.00	ng	0.00
75) Chrysene-d12	13.96	240	260241	20.00	ng	0.00
86) Perylene-d12	15.43	264	177031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1000191	107.67	ng	0.00
7) Phenol-d6	6.42	99	1148722	99.36	ng	0.00
23) Nitrobenzene-d5	7.35	82	709498	78.95	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	126073	78.54	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	792163	73.76	ng	0.00
78) Terphenyl-d14	12.88	244	596279	55.24	ng	0.00
Target Compounds						
10) Phenol	6.44	94	51214	3.887	ng	Qvalue # 53
49) Dimethylphthalate	9.53	163	71211	5.314	ng	99
70) Phenanthrene	11.33	178	65351	4.422	ng	97
74) Fluoranthene	12.52	202	100863	6.502	ng	98
77) Pyrene	12.76	202	89297	4.572	ng	100
80) Benzo(a)anthracene	13.94	228	53546m	3.116	ng	
82) Chrysene	13.99	228	49478	3.049	ng	98
87) Benzo(b)fluoranthene	15.01	252	51457m	4.769	ng	
89) Benzo(a)pyrene	15.37	252	30796	3.096	ng	# 87

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

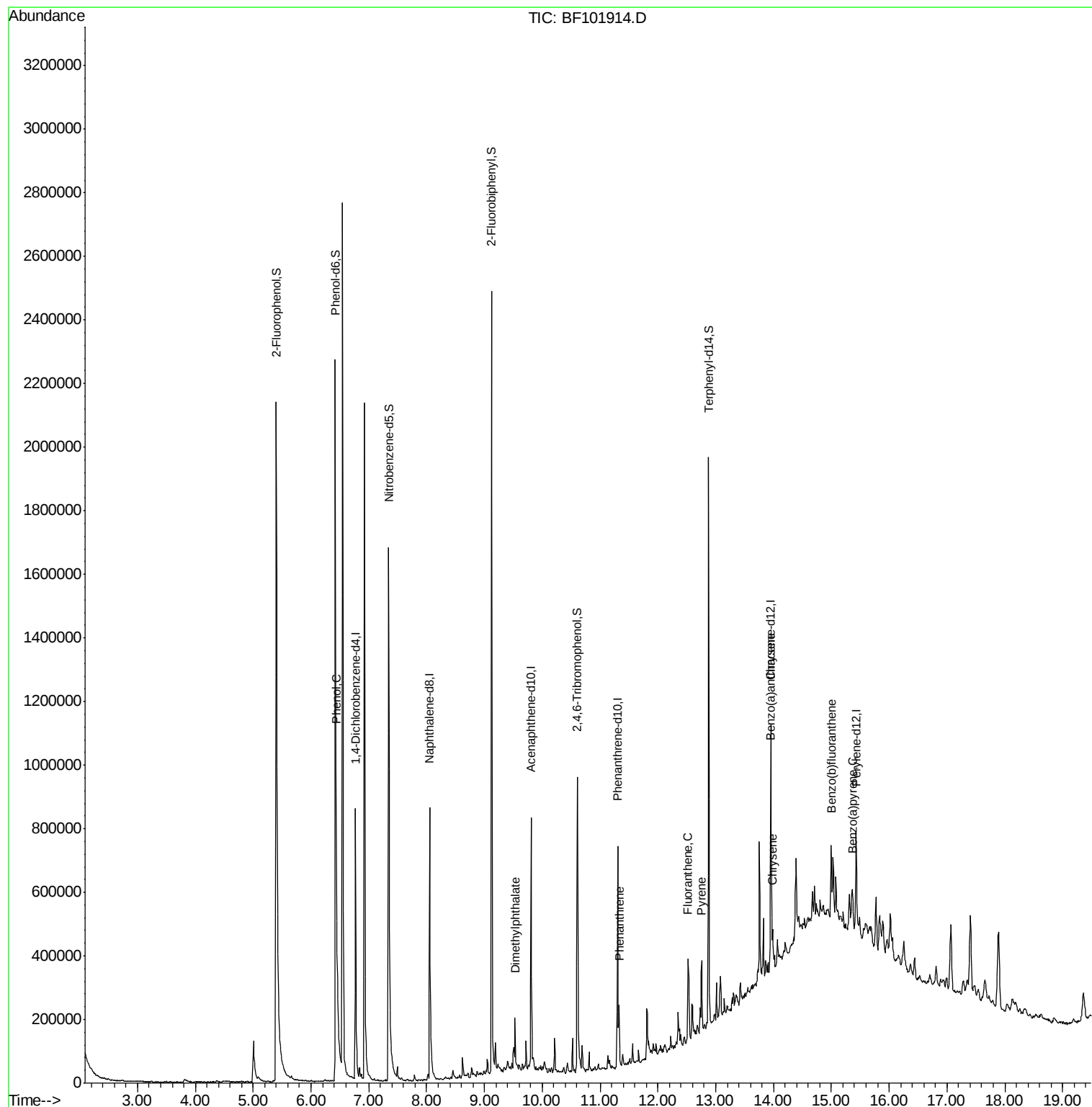
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101914.D
Acq On : 5 Jan 2018 4:40
Operator : SJ/JU
Sample : J1004-20
Misc :
ALS Vial : 28 Sample Multiplier: 1

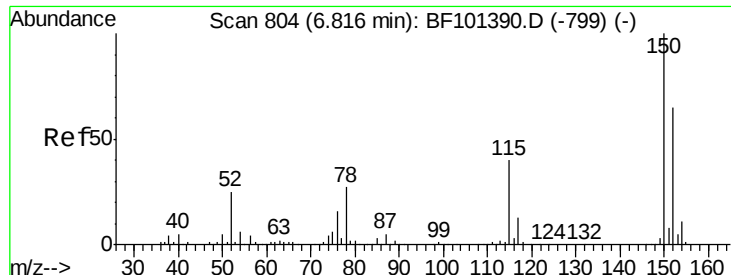
Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

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1/5/2018 10:30:06 AM

Quant Time: Jan 05 06:18:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 04 14:22:17 2018
Response via : Initial Calibration





#1

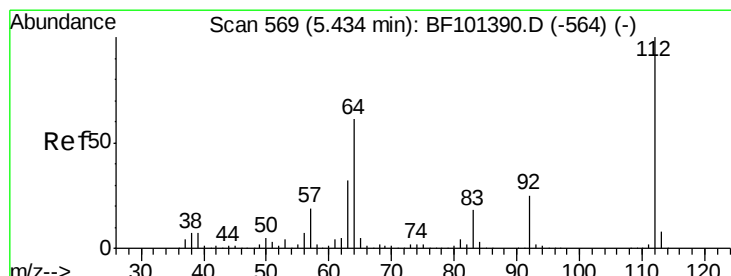
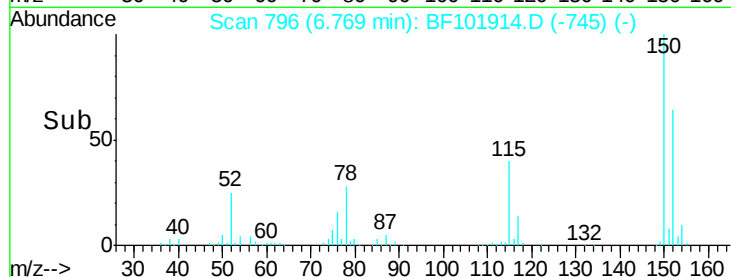
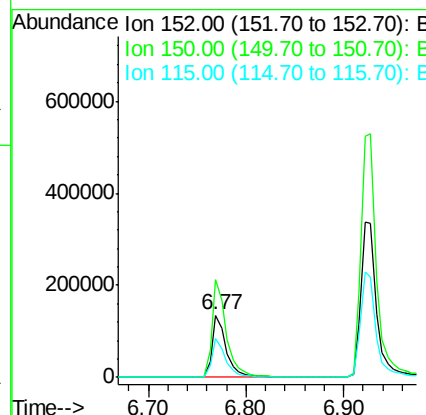
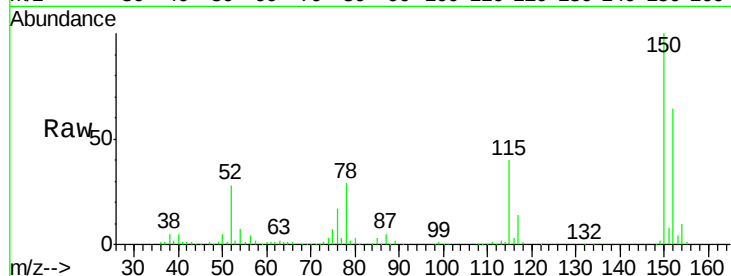
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	61.8	50.1	75.1

Manual Integrations
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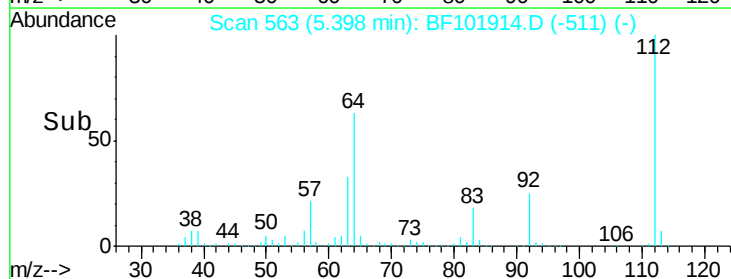
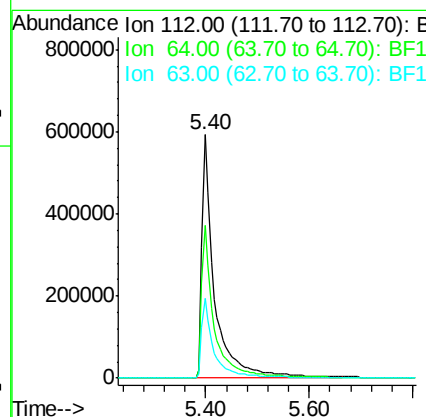
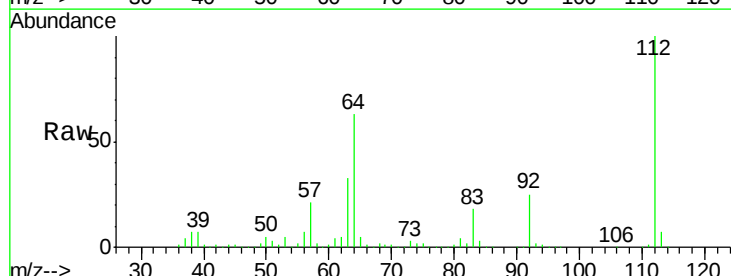
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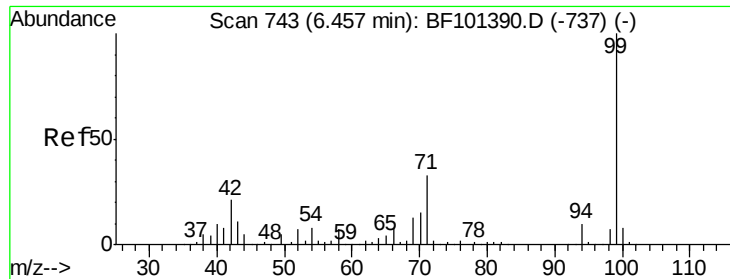


#5

2-Fluorophenol
 Concen: 107.666 ng
 RT: 5.40 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 99.358 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampled :

SB-11-COMP

Tot Ion: 99 Resp: 1148722

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

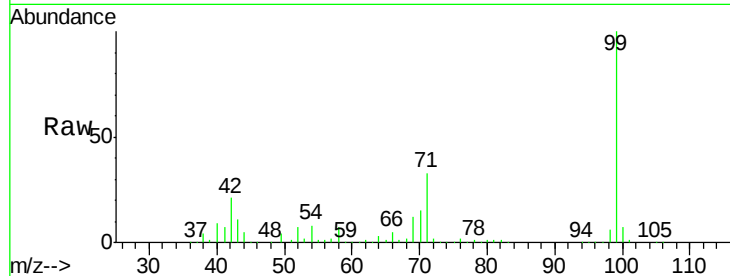
71 33.1 25.4 38.0

Manual Integrations

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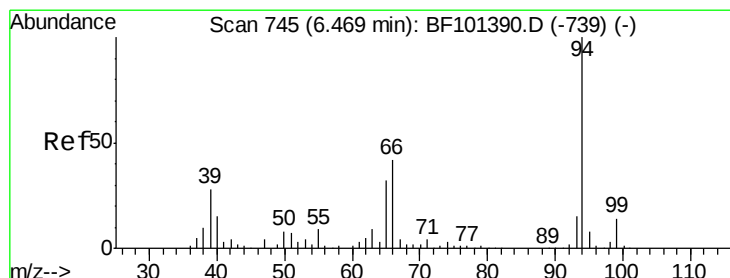
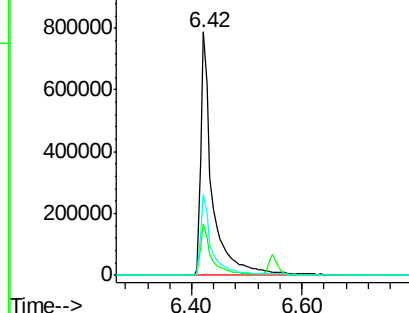
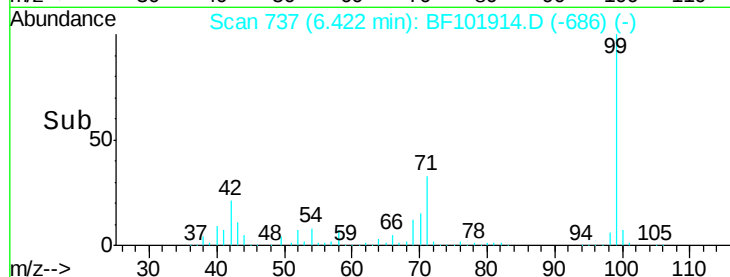
1/5/2018 10:30:06 AM



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: 3.887 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

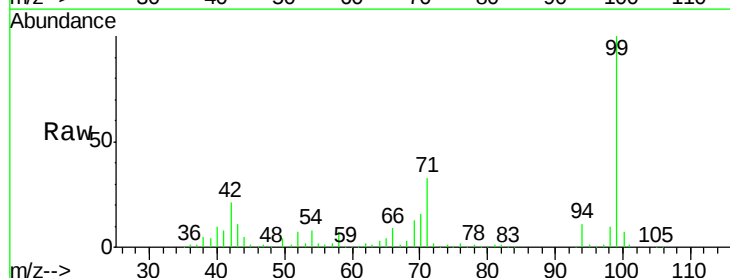
Tgt Ion: 94 Resp: 51214

Ion Ratio Lower Upper

94 100

65 39.2 7.9 47.9

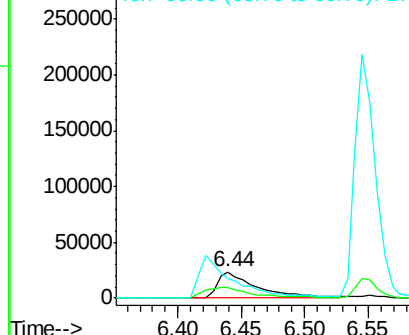
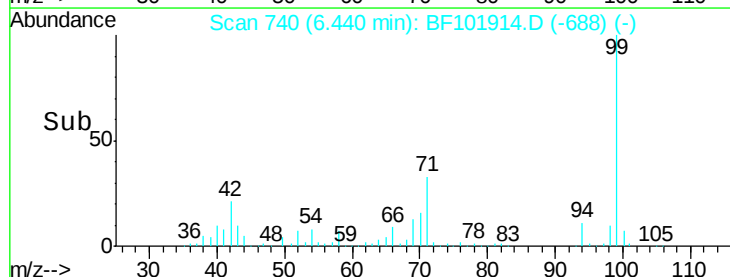
66 75.8 16.2 56.2#

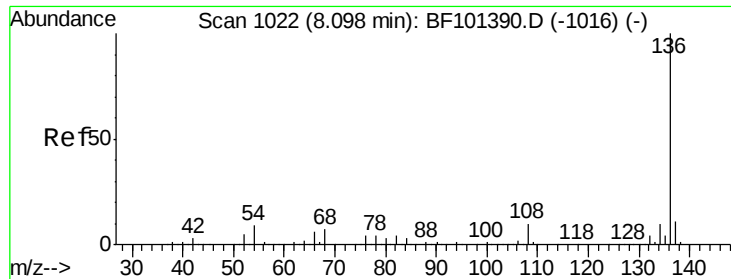


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





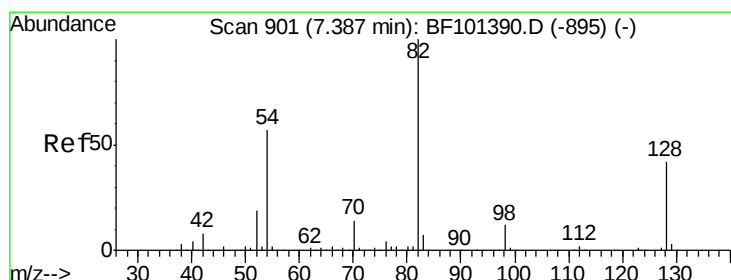
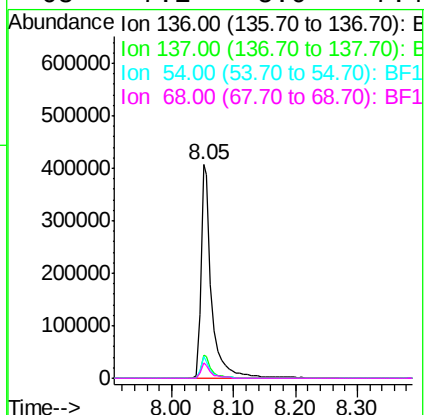
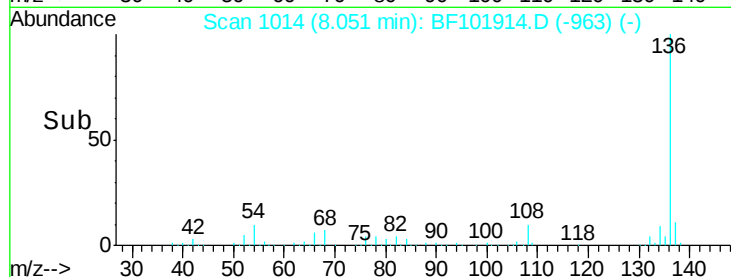
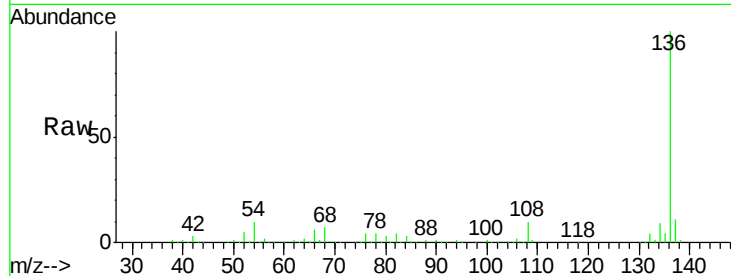
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	10.3	6.6	9.8	
68	7.1	5.0	7.4	

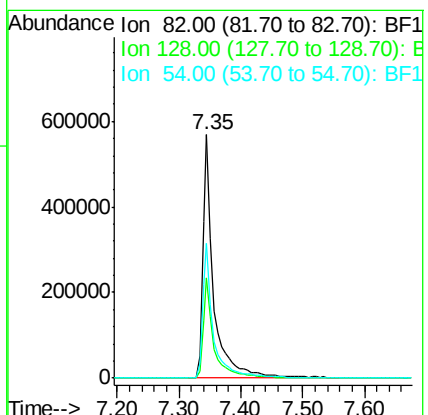
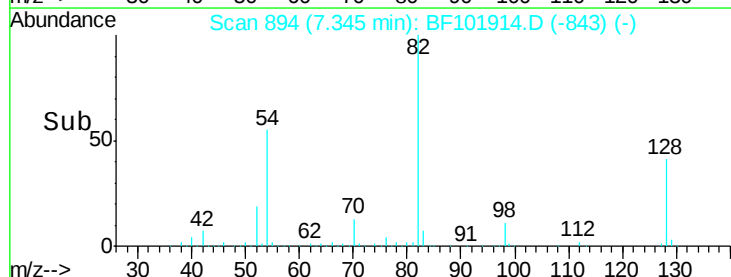
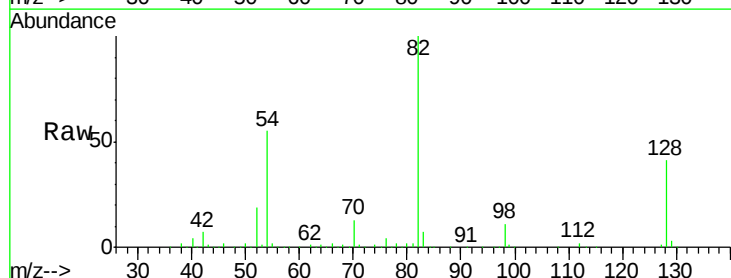
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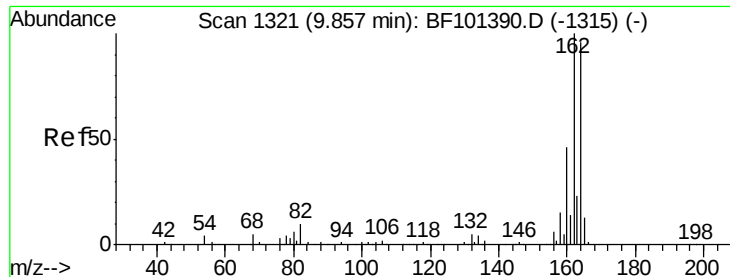
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#23
Nitrobenzene-d5
Concen: 78.953 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.3	36.1	54.1	
54	55.2	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

Tot Ion:164 Resp: 166598

Ion Ratio Lower Upper

164 100

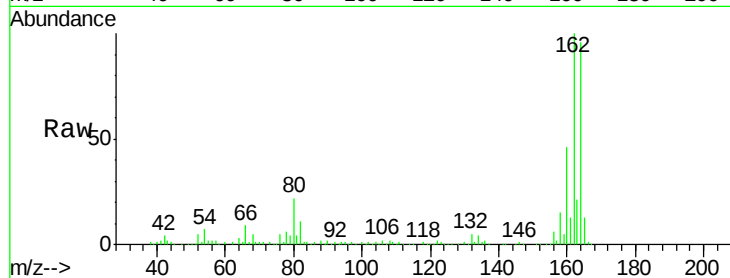
162 104.0 86.1 129.1

160 48.1 38.3 57.5

Manual Integrations
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Sohil

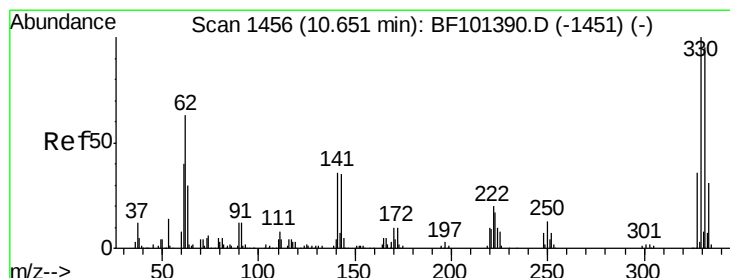
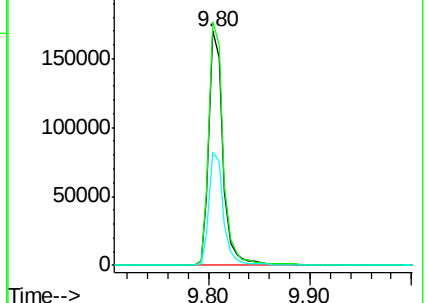
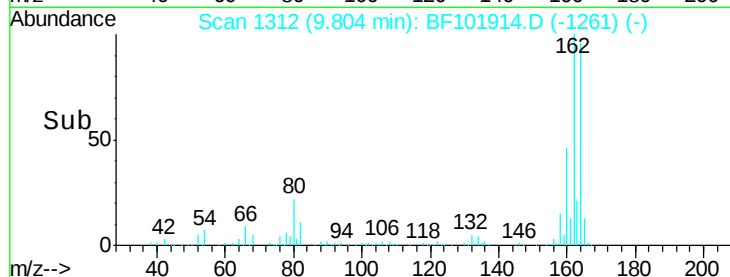
1/5/2018 10:30:06 AM



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 78.535 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

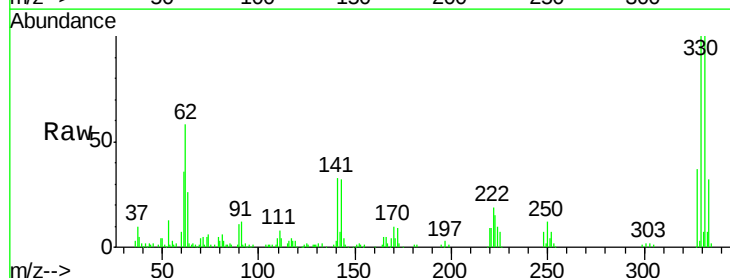
Tgt Ion:330 Resp: 126073

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

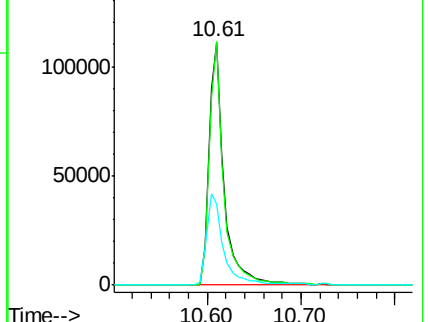
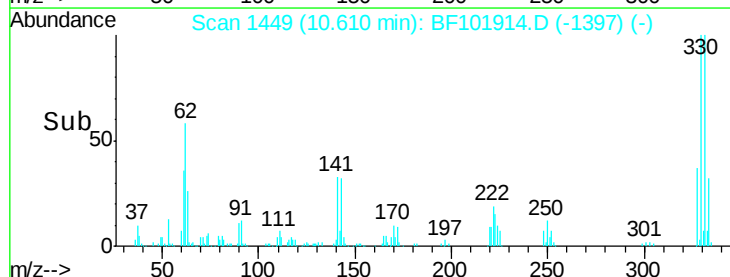
141 41.4 29.9 44.9

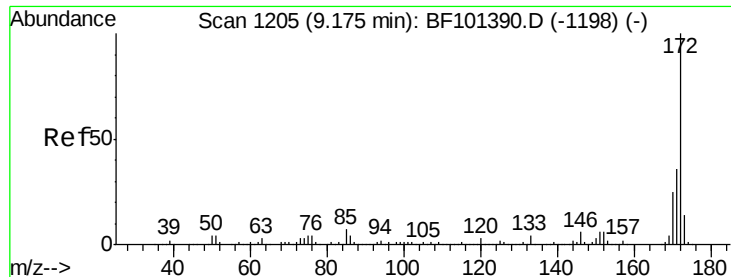


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





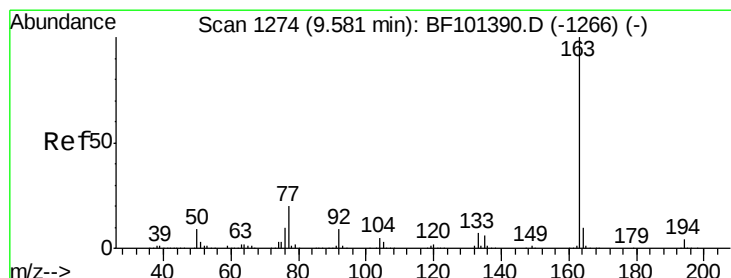
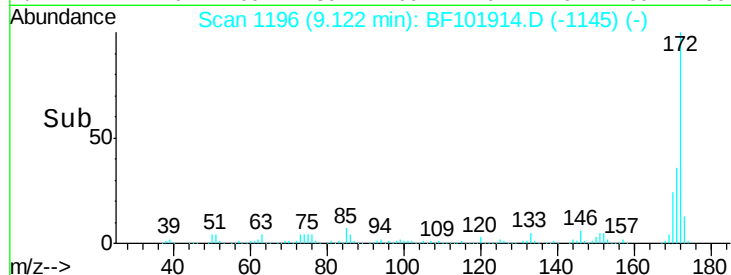
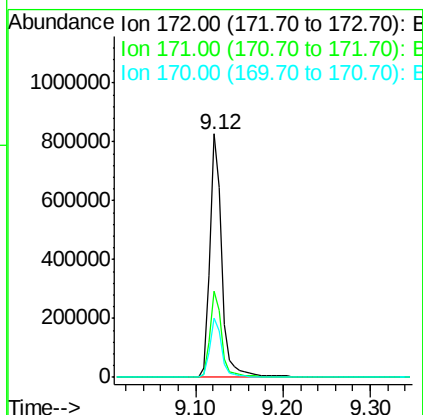
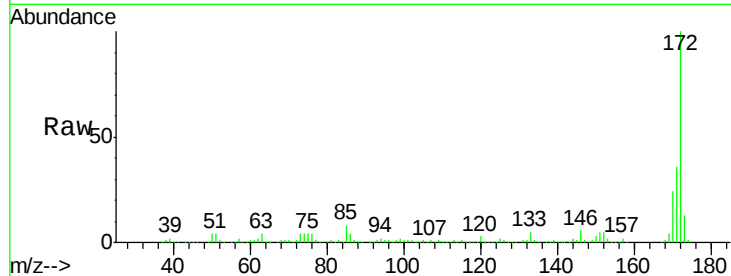
#44
2-Fluorobiphenyl
Concen: 73.761 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	792163		
171	35.6	29.7	44.5	
170	24.4	19.6	29.4	

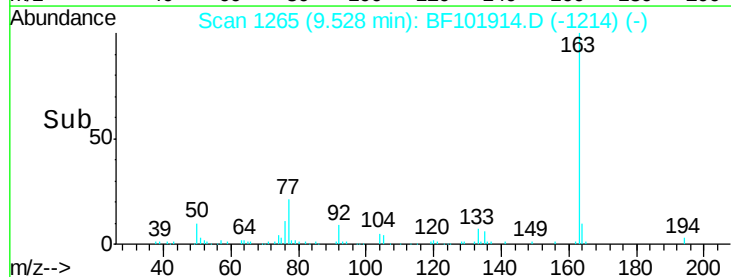
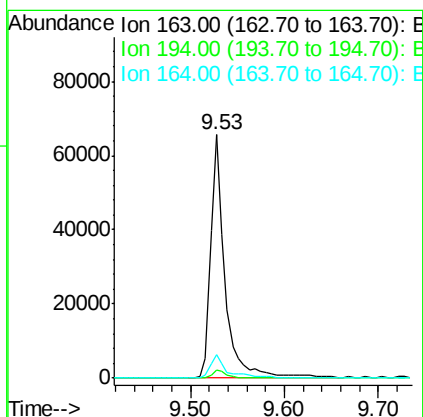
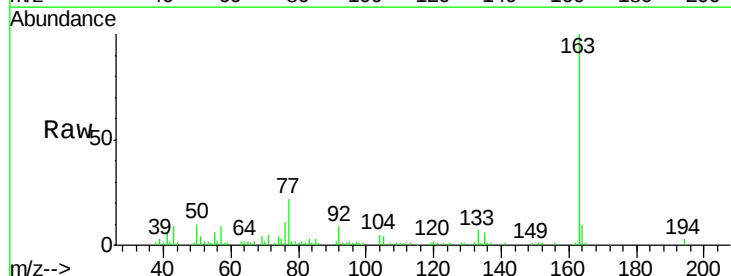
Manual Integrations
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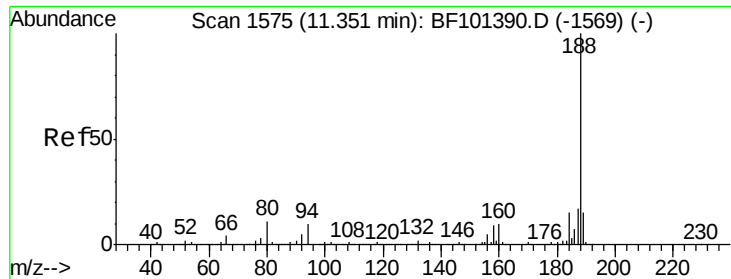
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#49
Dimethylphthalate
Concen: 5.314 ng
RT: 9.53 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	71211		
194	3.2	2.7	4.1	
164	9.7	8.2	12.2	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

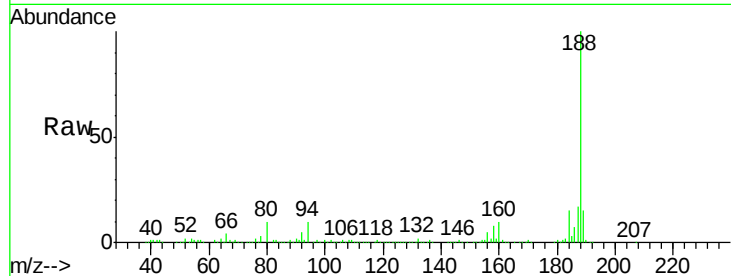
ClientSampleId :

SB-11-COMP

Tot Ion:	188	Resp:	265773
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	10.4	9.2	13.8

Manual Integrations
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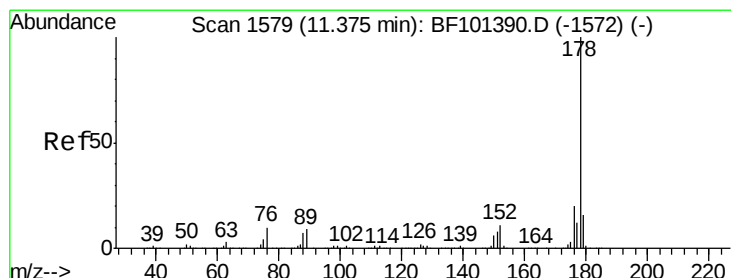
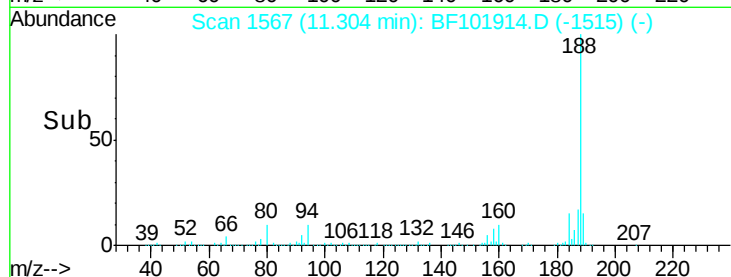
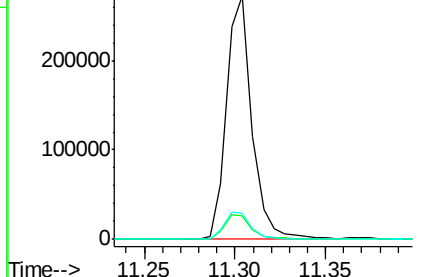
Sohil
1/5/2018 10:30:06 AM



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



#70

Phenanthrene

Concen: 4.422 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF101914.D

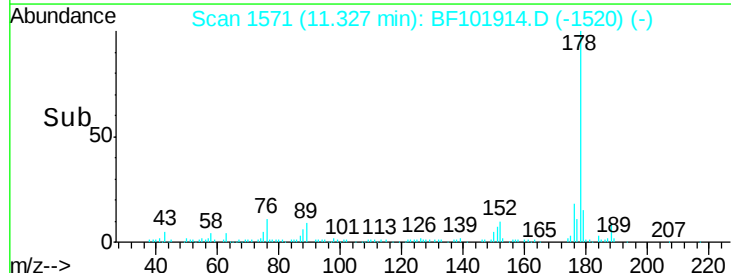
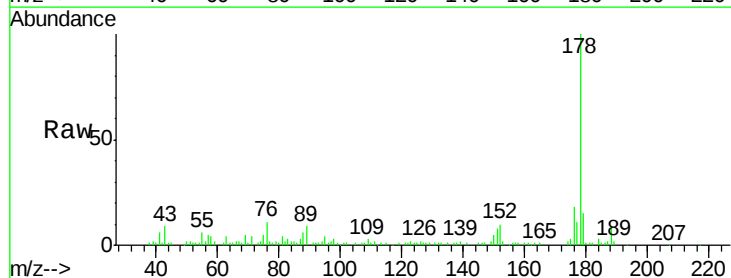
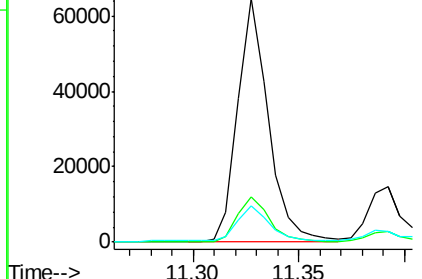
Acq: 5 Jan 2018 4:40

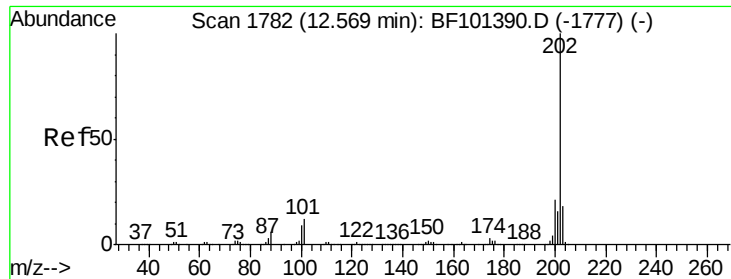
Tgt Ion:	178	Resp:	65351
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	14.7	13.0	19.6

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





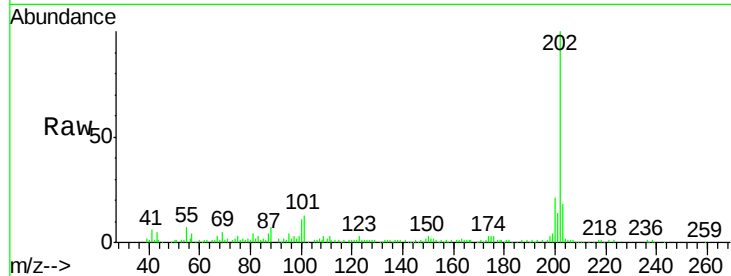
#74
 Fluoranthene
 Concen: 6.502 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

Instrument :
 BNA_F
 ClientSampled :
 SB-11-COMP

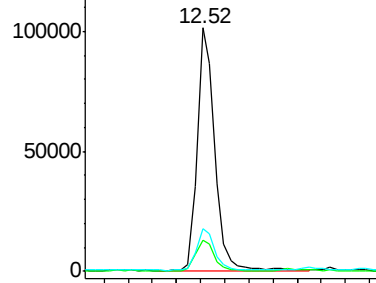
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
 APPROVED

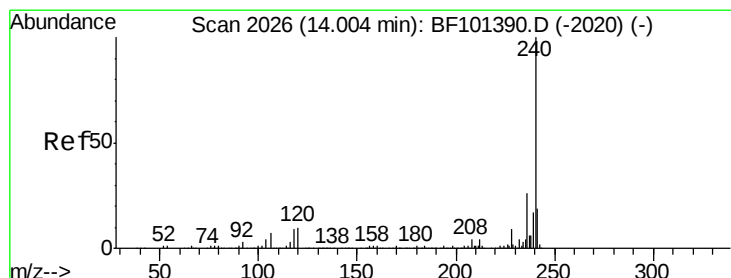
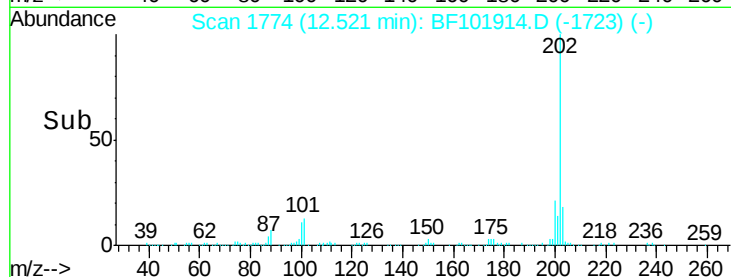
Sohil
 1/5/2018 10:30:06 AM



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



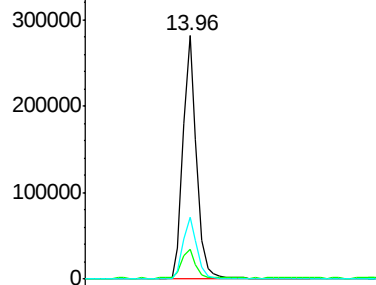
Time-->



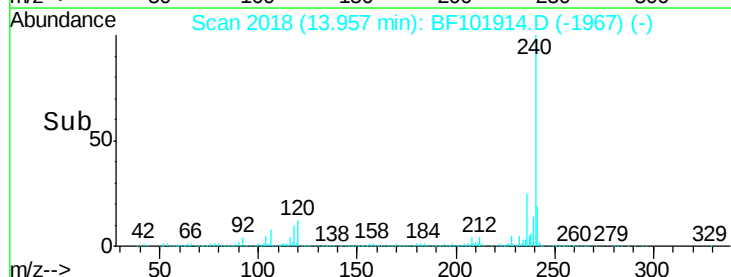
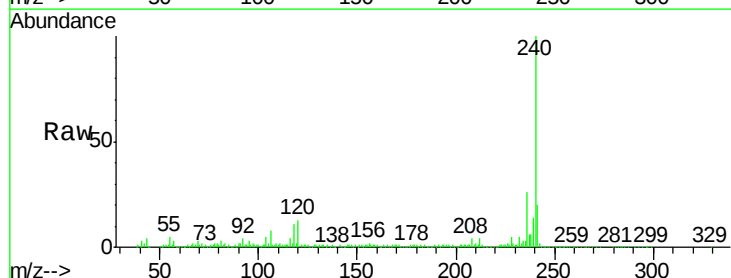
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

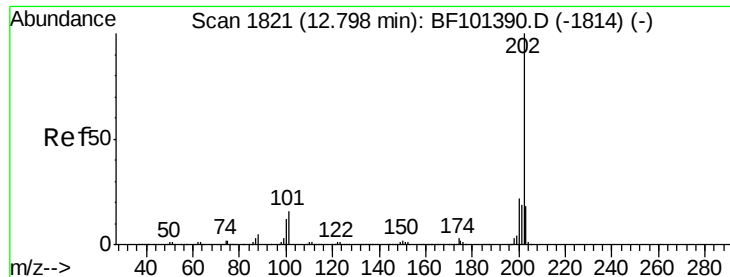
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	9.5	14.3
236	25.6	20.7	31.1

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



Time-->





#77

Pvrene

Concen: 4.572 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

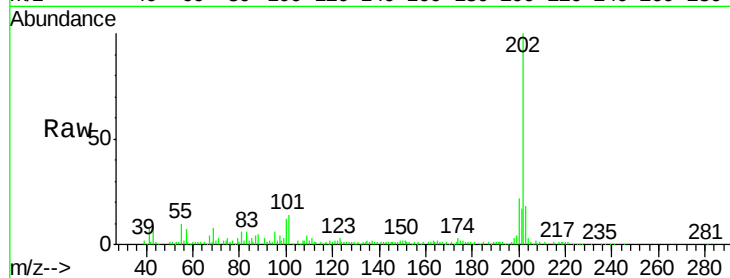
ClientSampleId :

SB-11-COMP

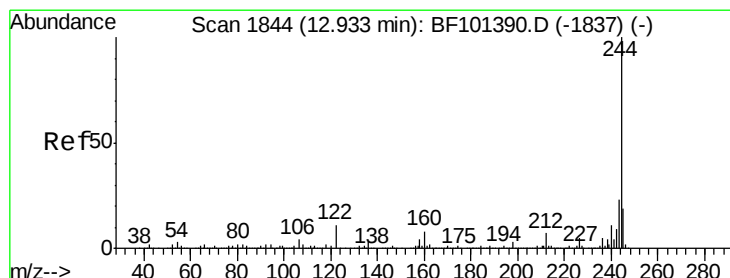
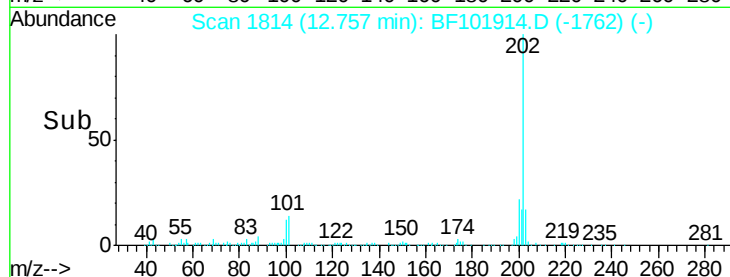
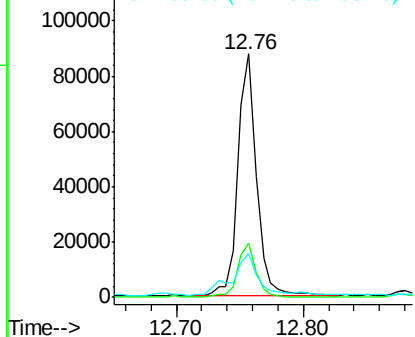
Tot Ion:	202	Resp:	89297
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	17.9	14.3	21.5

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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: 55.237 ng

RT: 12.88 min Scan# 1835

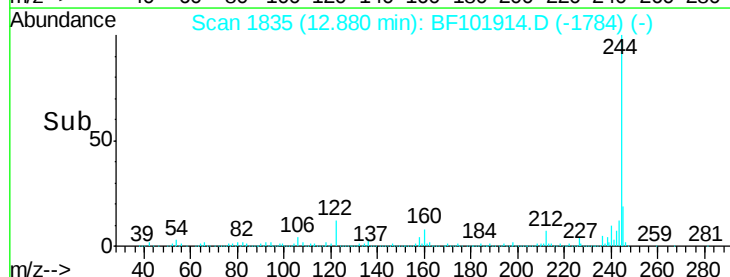
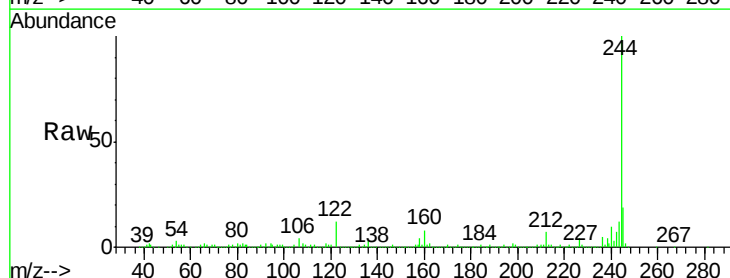
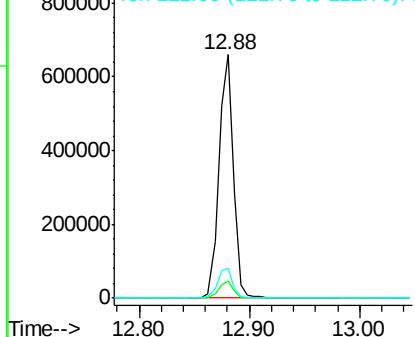
Delta R.T. 0.00 min

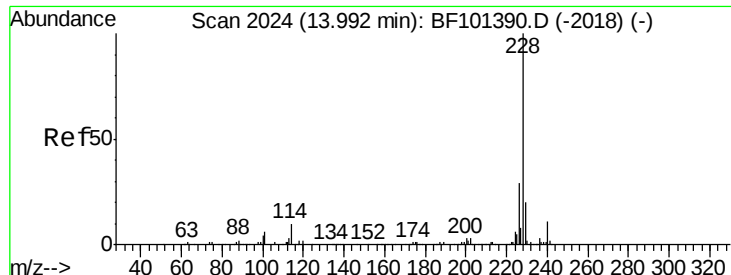
Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Tgt Ion:	244	Resp:	596279
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.3	11.0	16.4

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





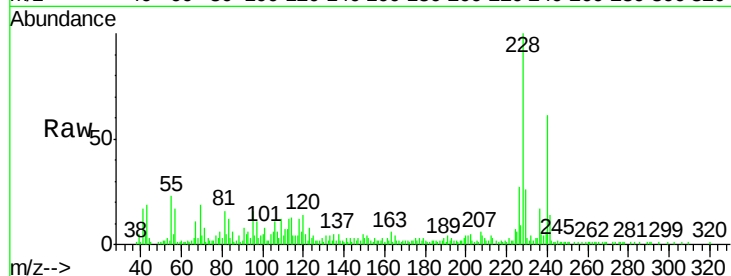
#80
Benzo(a)anthracene
Concen: 3.116 ng m
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	25.7	15.8	23.6

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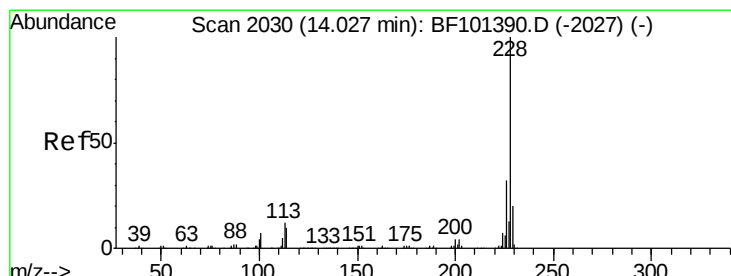
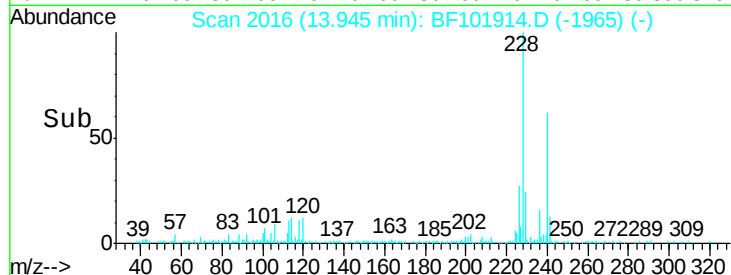
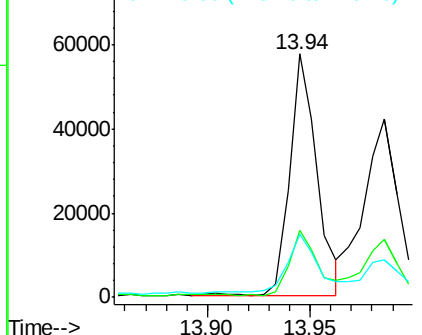


Abundance

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: 3.049 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

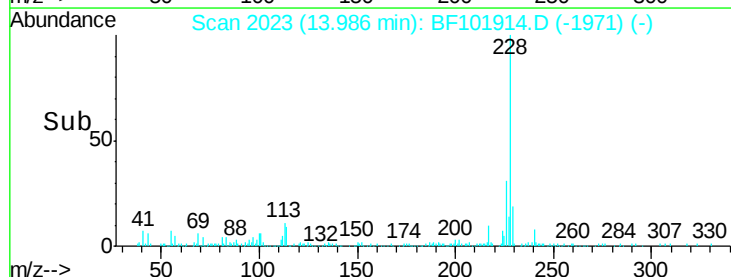
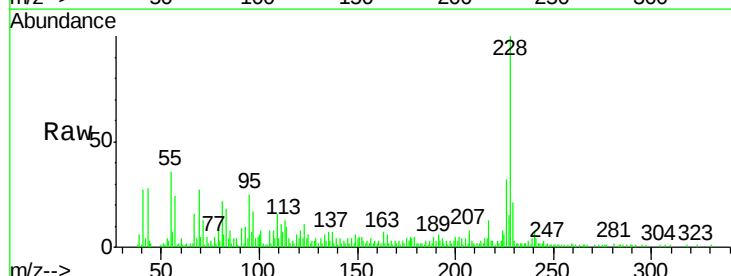
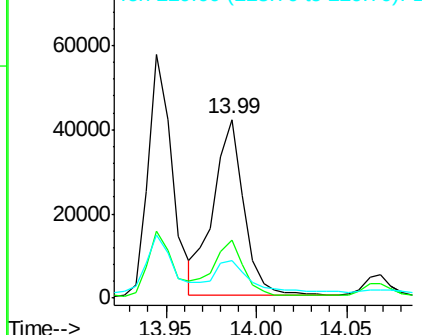
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.0	37.6
229	21.2	16.2	24.4

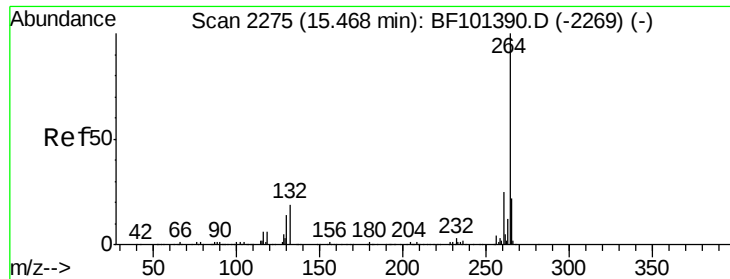
Abundance

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





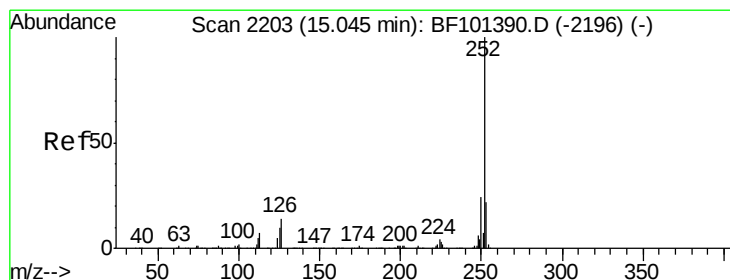
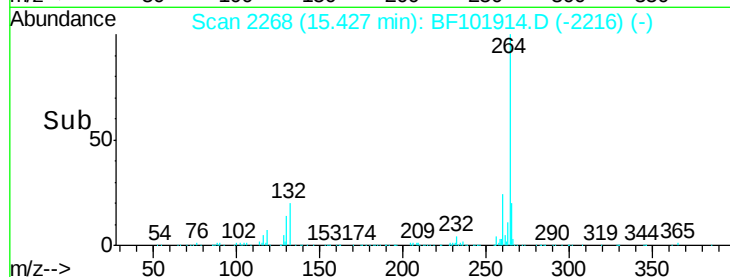
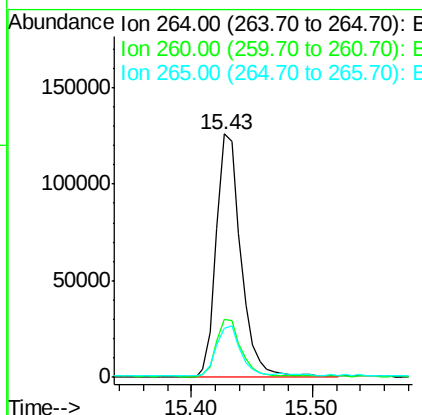
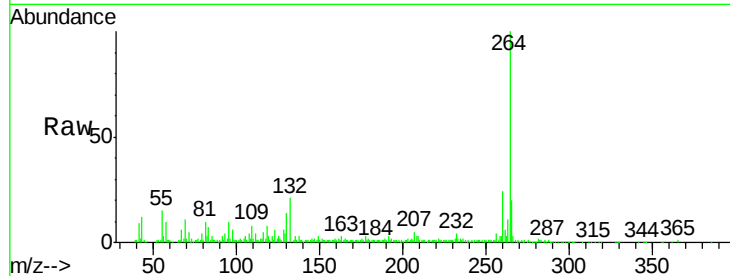
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.4	17.5	26.3

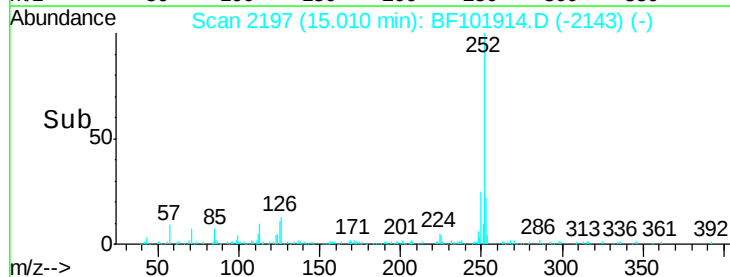
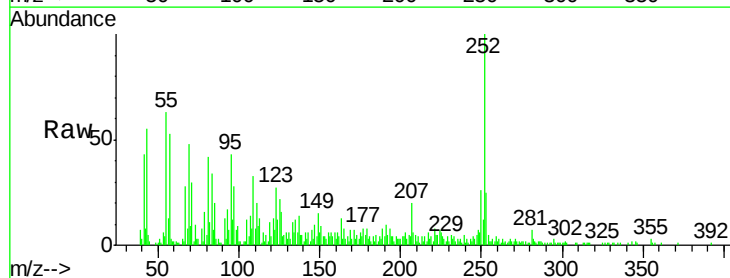
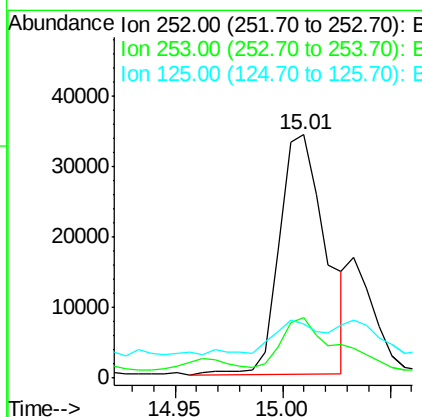
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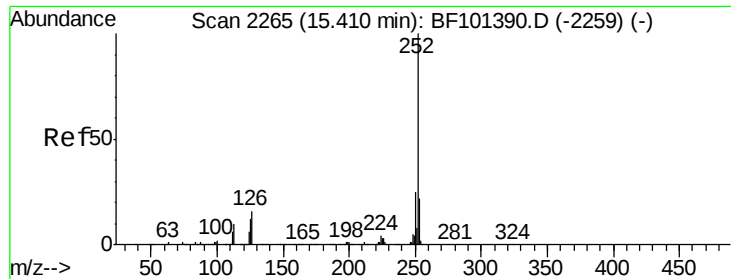
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#87
Benzo(b)fluoranthene
Concen: 4.769 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	22.4	9.0	13.6





#89

Benzo(a)pyrene

Concen: 3.096 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

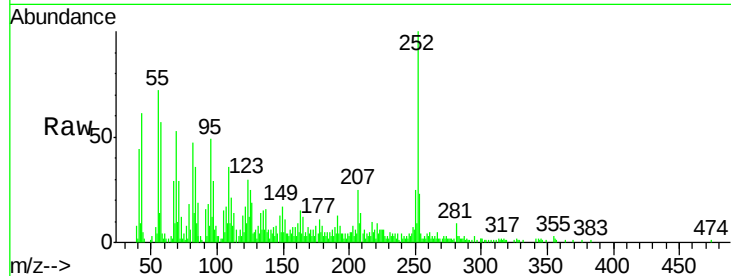
ClientSampleId :

SB-11-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	24.6	9.8	14.6

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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

