

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101927.D
 Acq On : 5 Jan 2018 14:07
 Operator : SJ/JU
 Sample : J1004-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Manual Integrations
 APPROVED

Sohil
 1/8/2018 4:21:47 PM

Quant Time: Jan 05 15:18:45 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	132564	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	466113	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	155343	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	270303	20.00	ng	0.00
75) Chrysene-d12	13.96	240	285267	20.00	ng	0.00
86) Perylene-d12	15.43	264	213859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	949512	106.69	ng	0.00
7) Phenol-d6	6.43	99	1080332	97.54	ng	0.00
23) Nitrobenzene-d5	7.35	82	667655	79.74	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	123139	82.27	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	746536	74.55	ng	0.00
78) Terphenyl-d14	12.89	244	616305	52.08	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	72304	5.787	ng	99
70) Phenanthrene	11.33	178	79311	5.276	ng	98
74) Fluoranthene	12.53	202	135152	8.566	ng	99
77) Pyrene	12.76	202	112824	5.270	ng	99
80) Benzo(a)anthracene	13.95	228	56348	2.991	ng	96
82) Chrysene	13.99	228	59103	3.323	ng	97
87) Benzo(b)fluoranthene	15.01	252	49965m	3.833	ng	
89) Benzo(a)pyrene	15.38	252	32600	2.713	ng	# 83

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

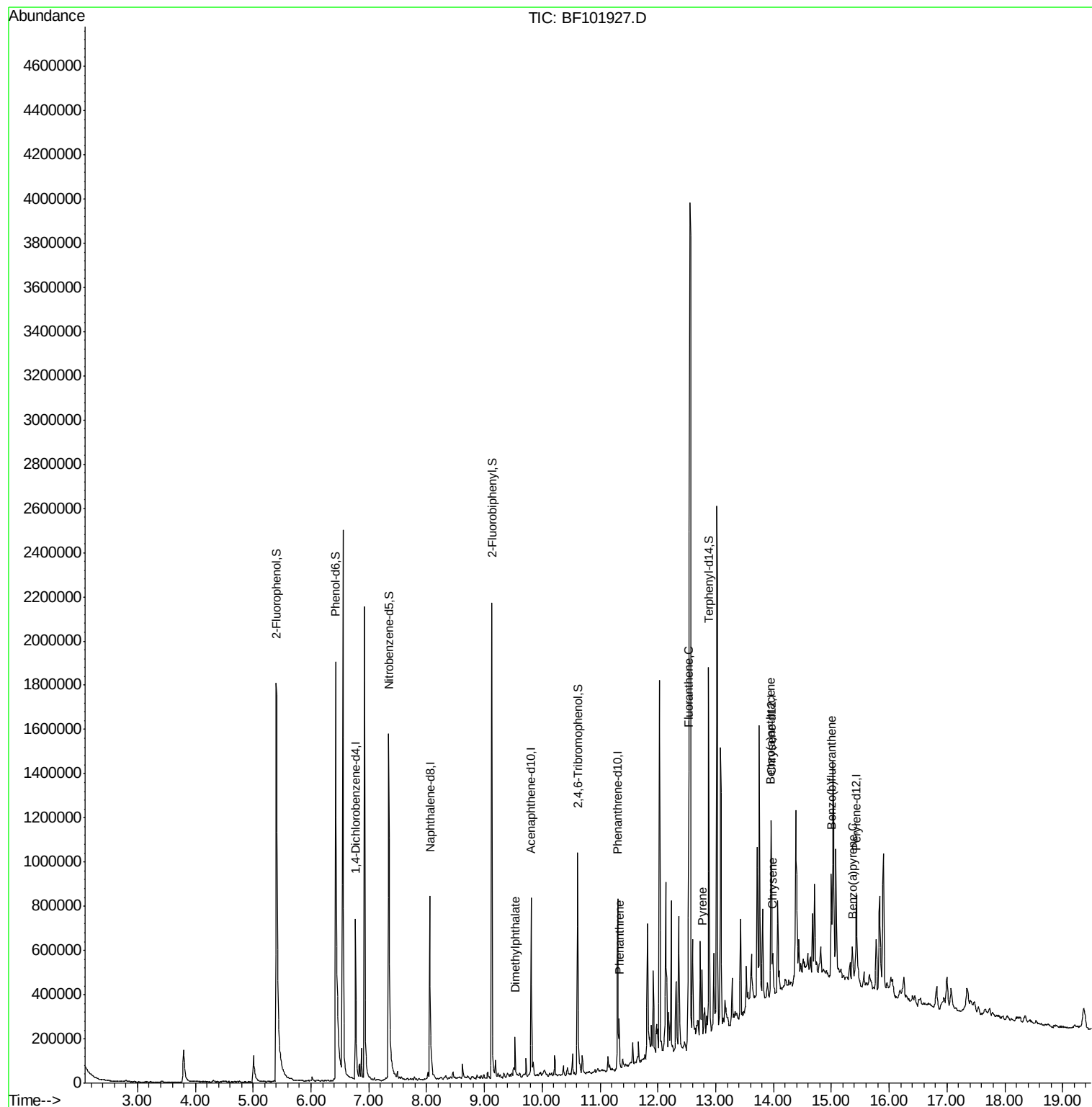
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101927.D
Acq On : 5 Jan 2018 14:07
Operator : SJ/JU
Sample : J1004-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

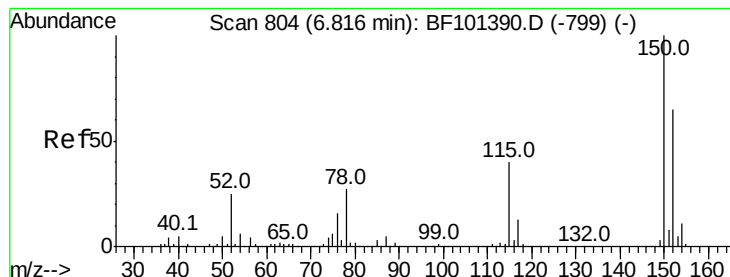
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Manual Integrations
APPROVED

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1/8/2018 4:21:47 PM

Quant Time: Jan 05 15:18:45 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





#1

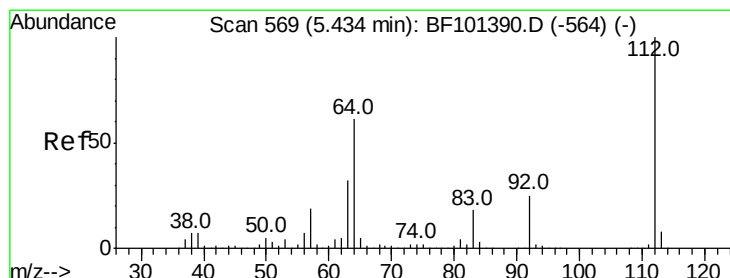
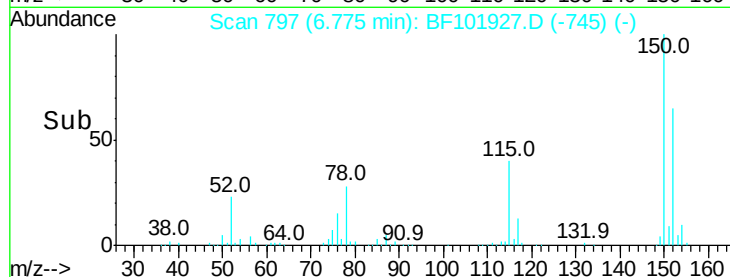
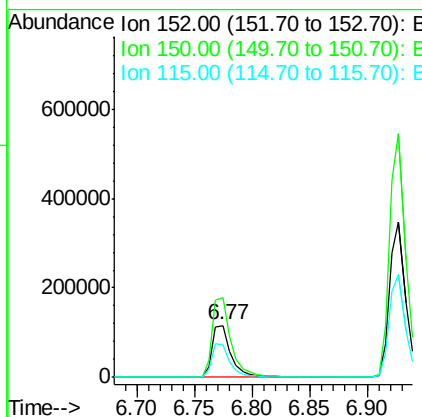
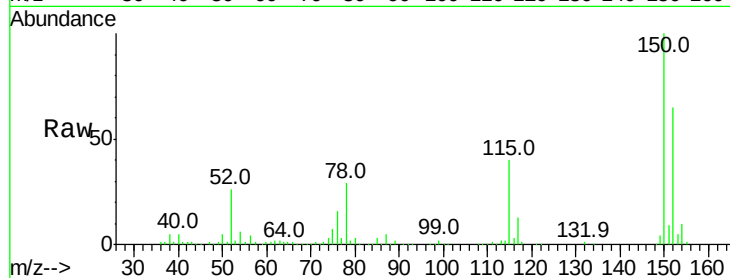
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	62.1	50.1	75.1

Manual Integrations
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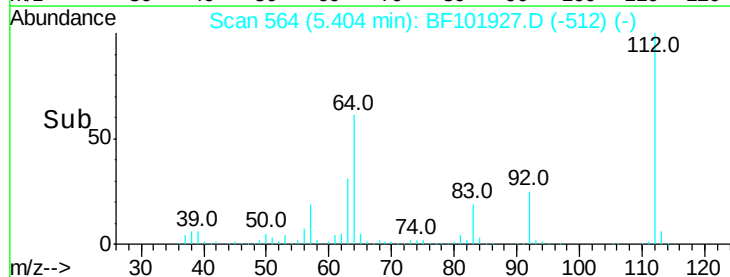
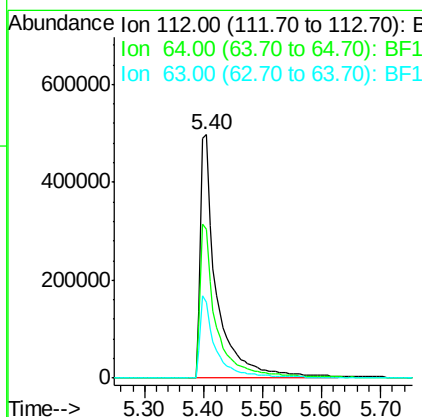
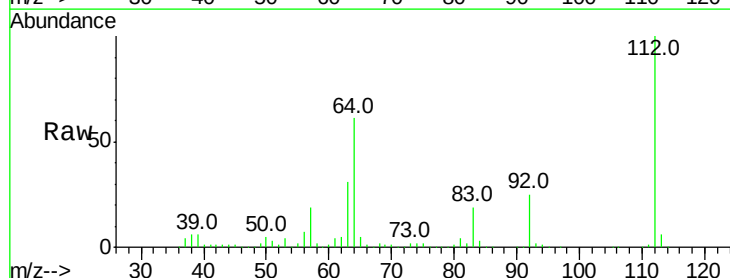
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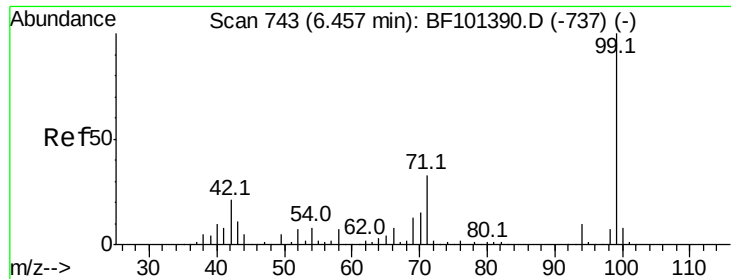


#5

2-Fluorophenol
Concen: 106.694 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 97.541 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

Tot Ion: 99 Resp: 1080332

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

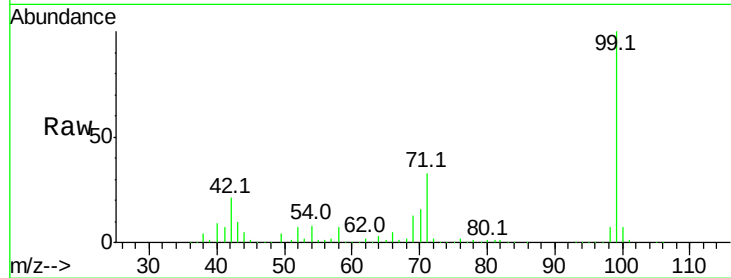
71 32.8 25.4 38.0

Manual Integrations

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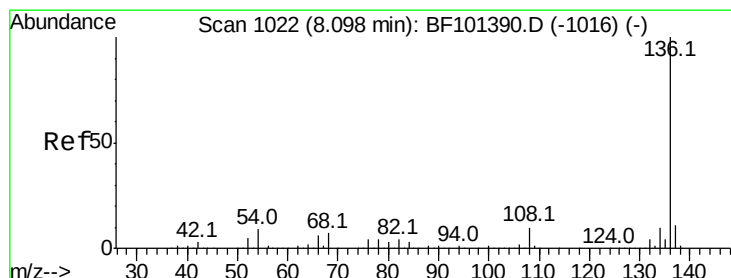
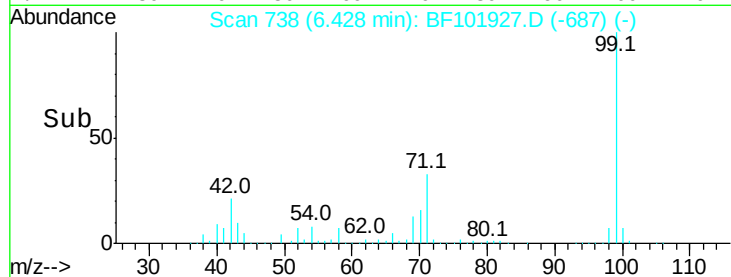
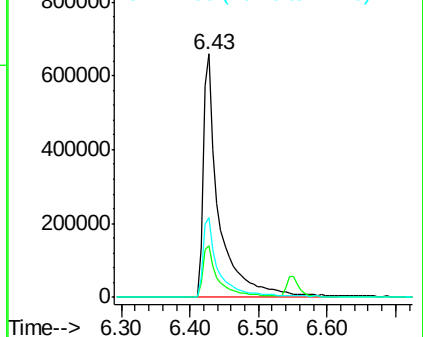
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Tgt Ion: 136 Resp: 466113

Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.7 6.6 9.8

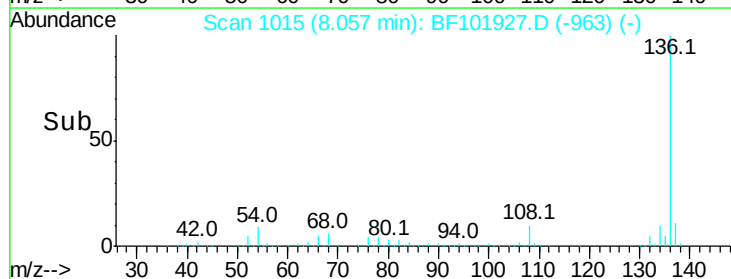
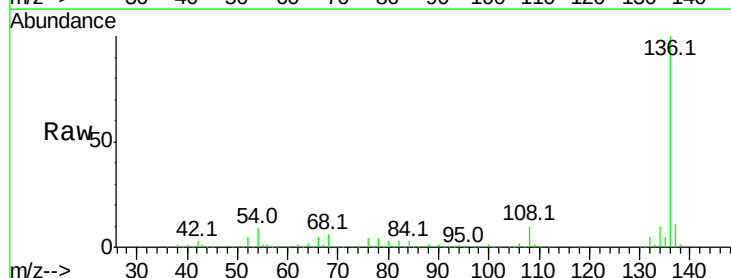
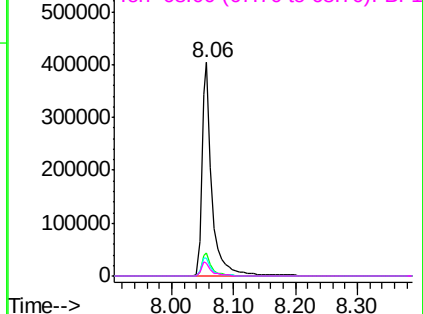
68 6.3 5.0 7.4

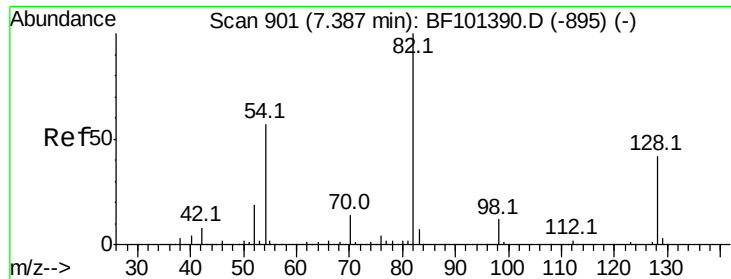
Abundance Ion 136.00 (135.70 to 136.70): E

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





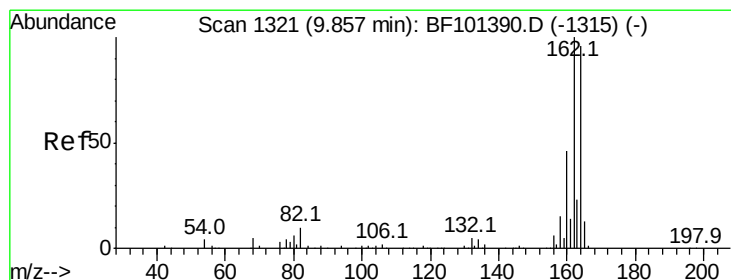
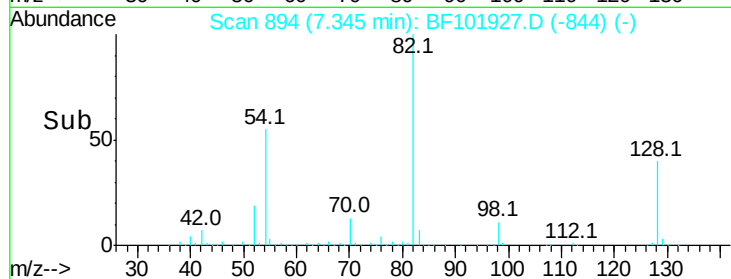
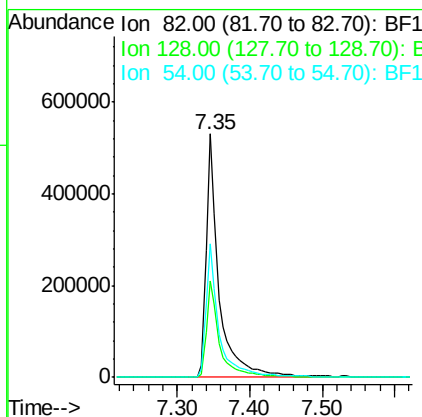
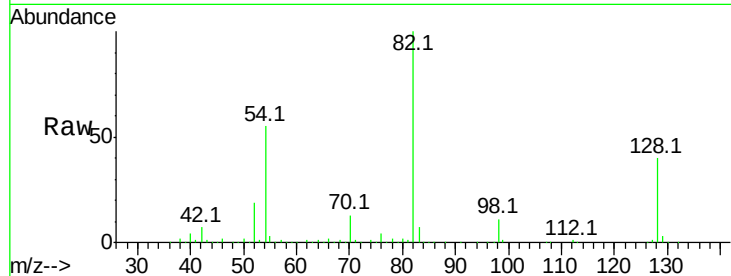
#23
Nitrobenzene-d5
Concen: 79.735 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	36.1	54.1
54	55.1	41.4	62.2

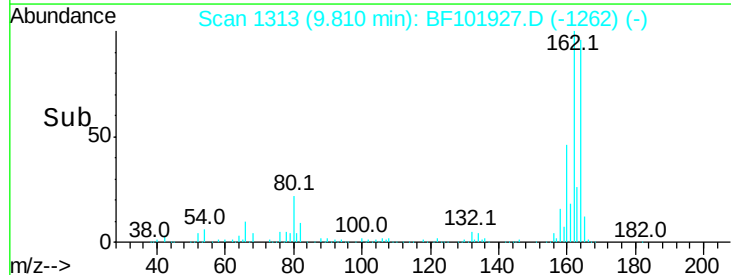
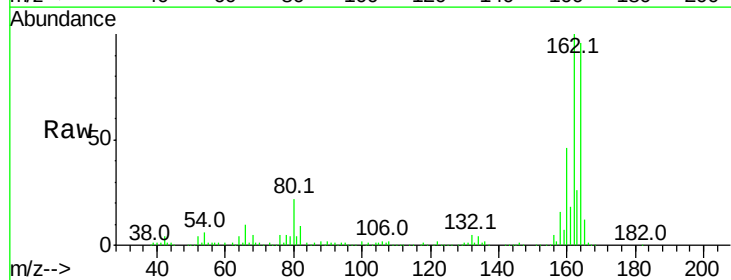
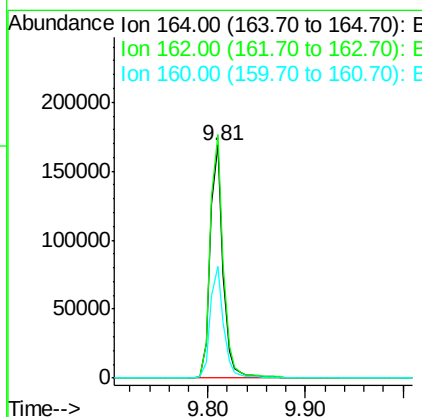
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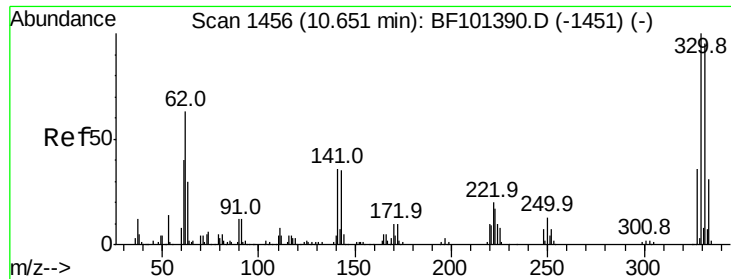
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	47.8	38.3	57.5





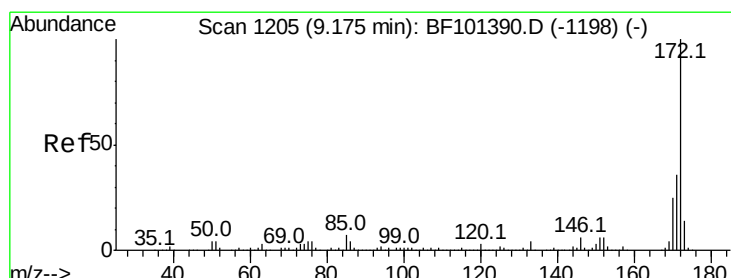
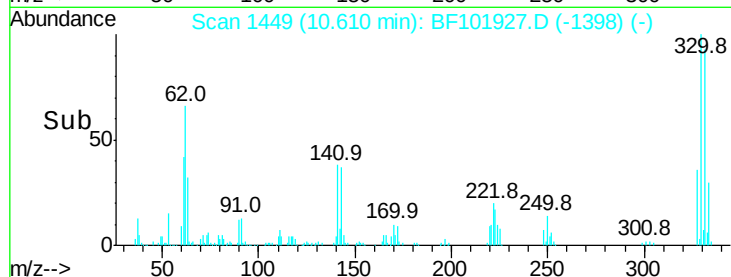
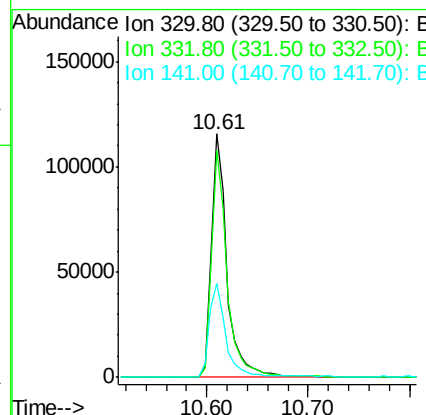
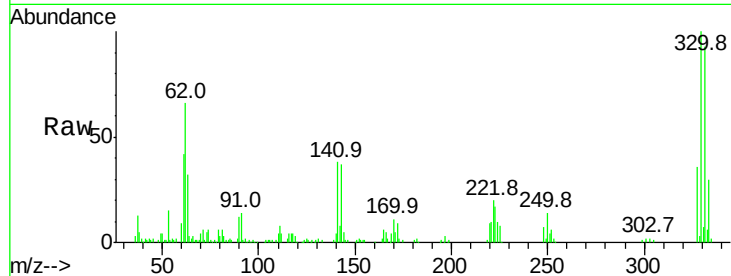
#41
 2,4,6-Tribromophenol
 Concen: 82.265 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	123139		
332	93.8	77.0	115.6	
141	41.4	29.9	44.9	

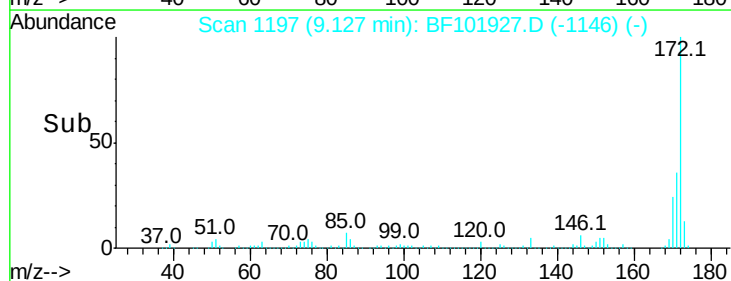
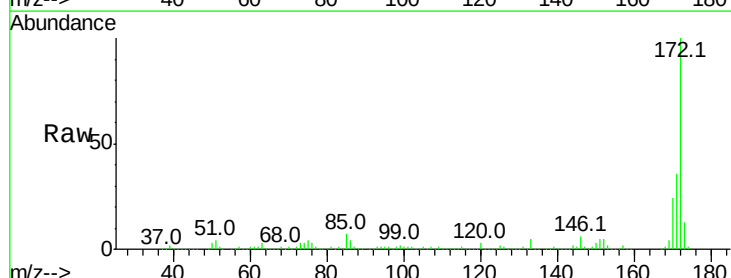
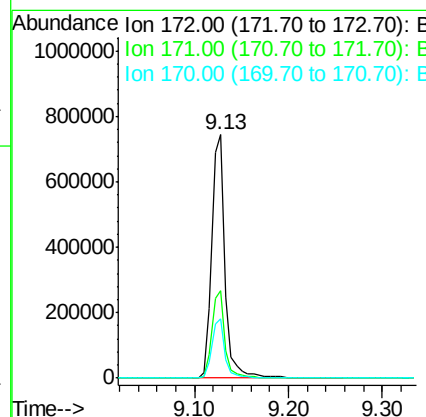
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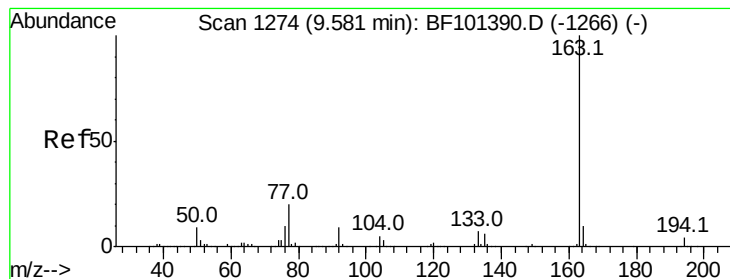
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#44
 2-Fluorobiphenyl
 Concen: 74.548 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	746536		
171	35.7	29.7	44.5	
170	24.4	19.6	29.4	





#49

Dimethylphthalate

Concen: 5.787 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

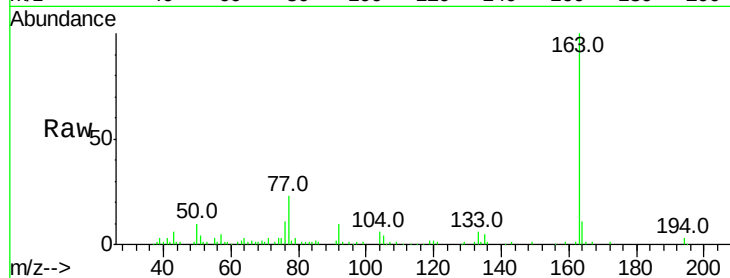
ClientSampleId :

SB-13-COMP

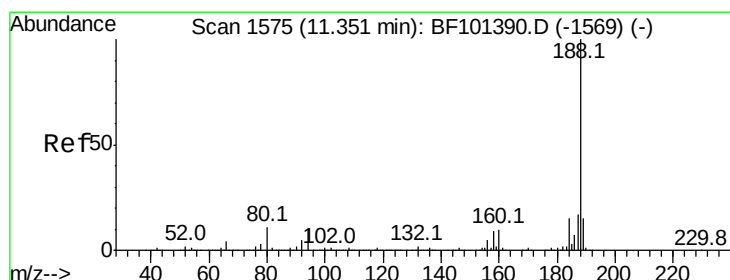
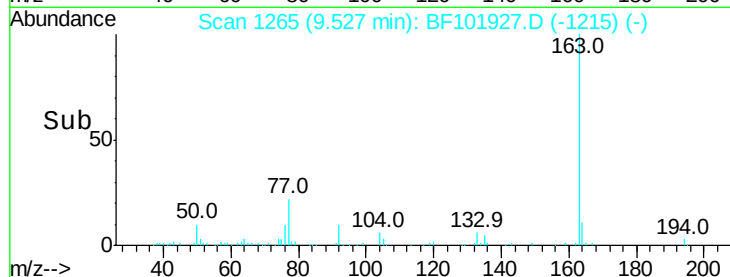
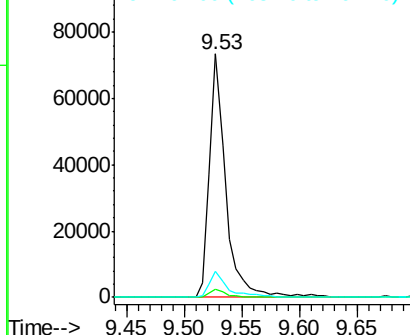
Tot Ion:163	Resp:	72304
Ion Ratio	Lower	Upper
163 100		
194 3.5	2.7	4.1
164 10.5	8.2	12.2

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



#63

Phenanthrene-d10

Concen: 20.000 ng

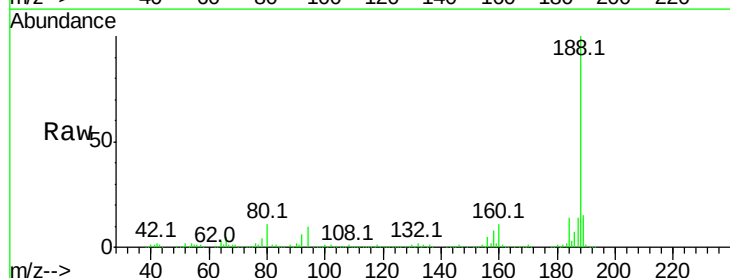
RT: 11.30 min Scan# 1567

Delta R.T. -0.00 min

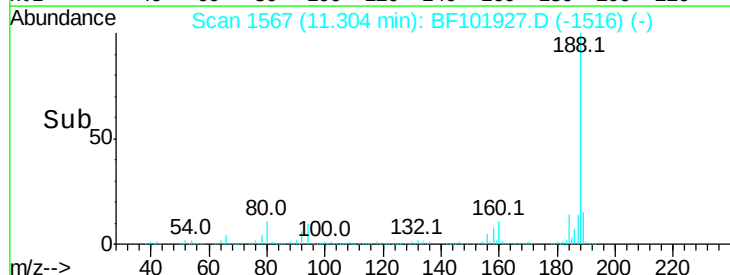
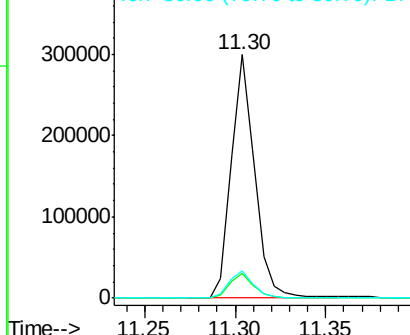
Lab File: BF101927.D

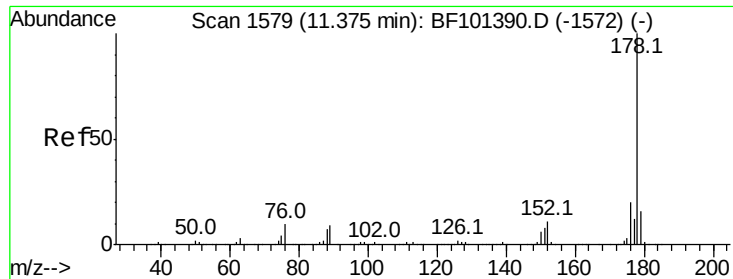
Acq: 5 Jan 2018 14:07

Tgt Ion:188	Resp:	270303
Ion Ratio	Lower	Upper
188 100		
94 10.1	8.5	12.7
80 11.5	9.2	13.8



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





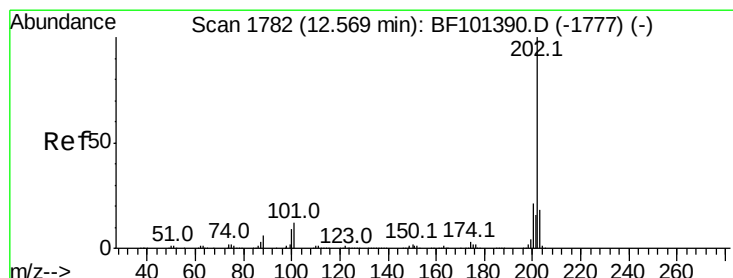
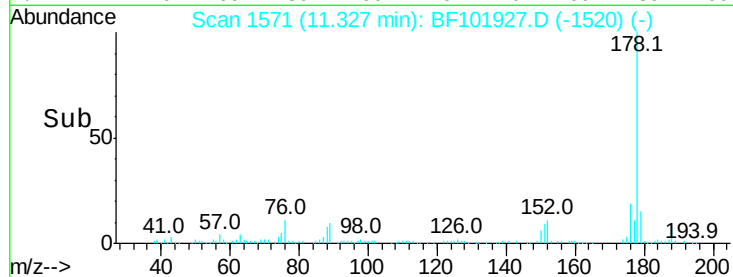
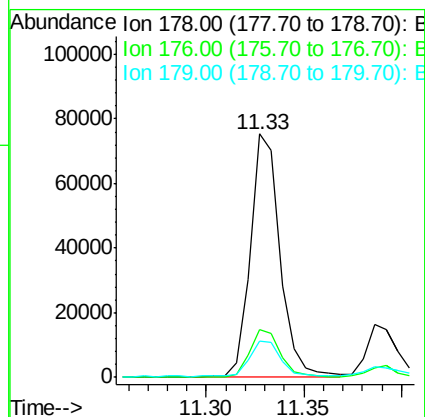
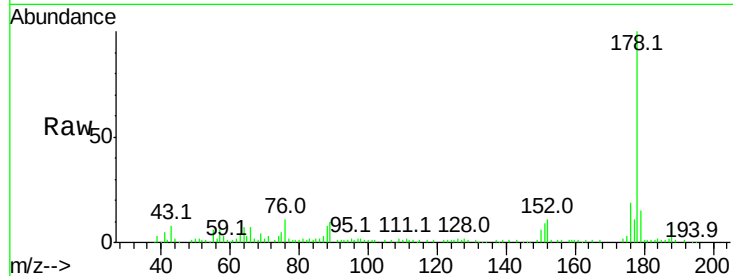
#70
Phenanthrene
Concen: 5.276 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.8	13.0	19.6

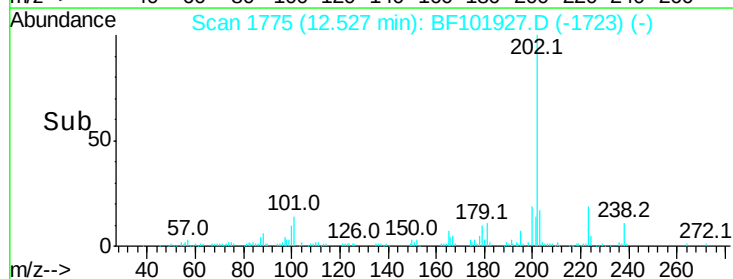
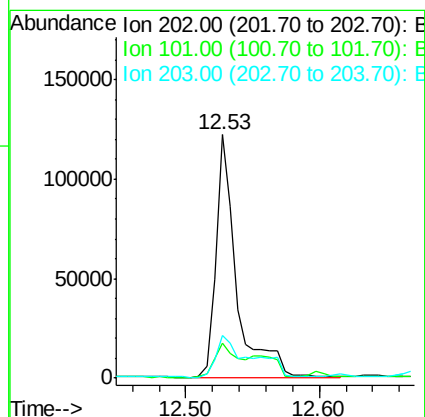
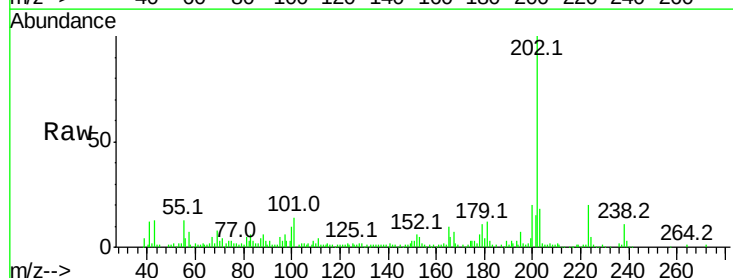
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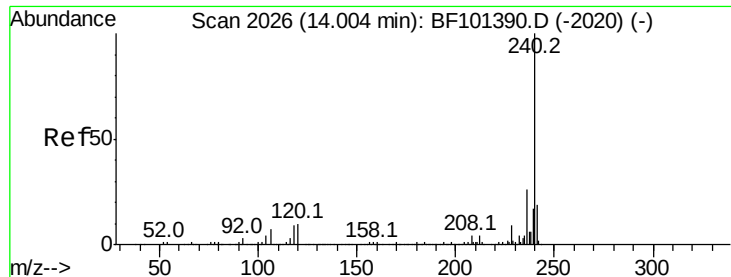
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#74
Fluoranthene
Concen: 8.566 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

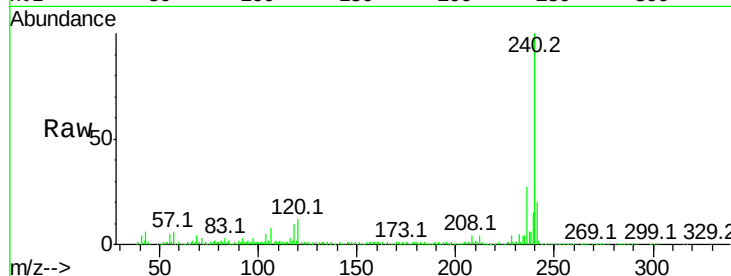
ClientSampleId :

SB-13-COMP

Tot Ion:	240	Resp:	285267
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.5	14.3
236	26.8	20.7	31.1

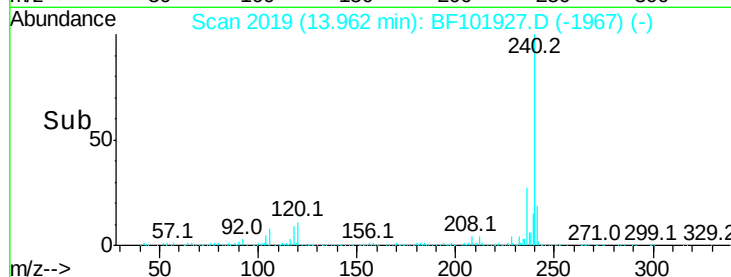
Manual Integrations
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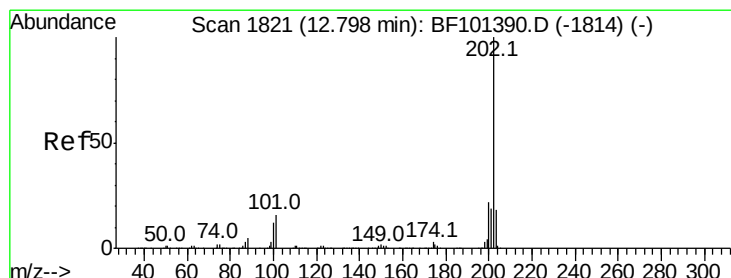


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.96



Time-->



#77

Pyrene

Concen: 5.270 ng

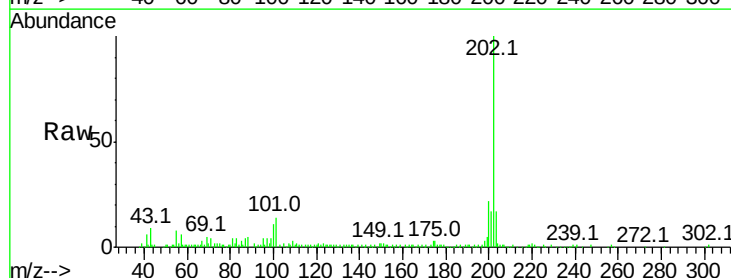
RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF101927.D

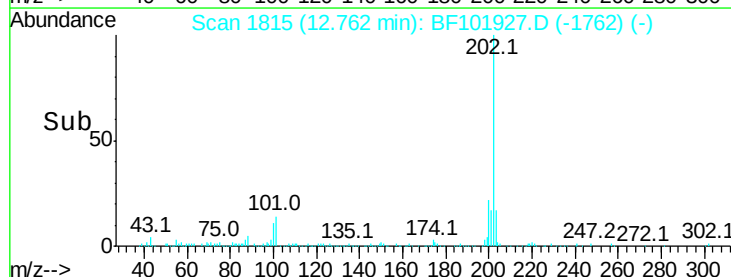
Acq: 5 Jan 2018 14:07

Tgt Ion:	202	Resp:	112824
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.3	14.3	21.5

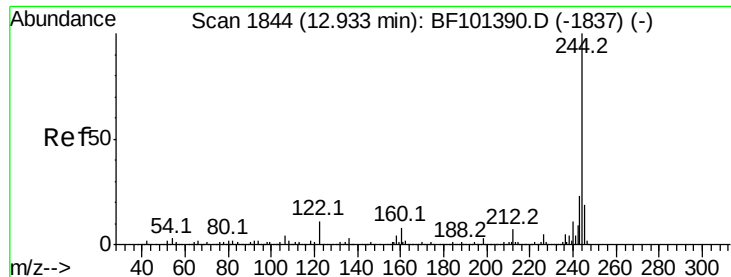


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.76



Time-->



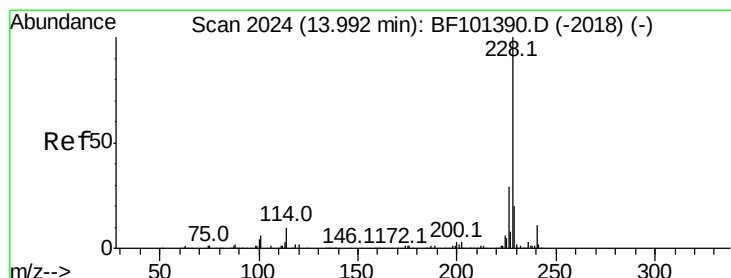
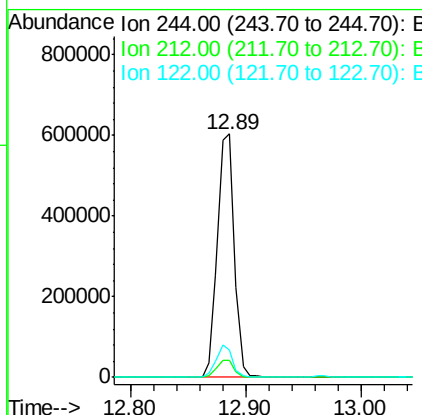
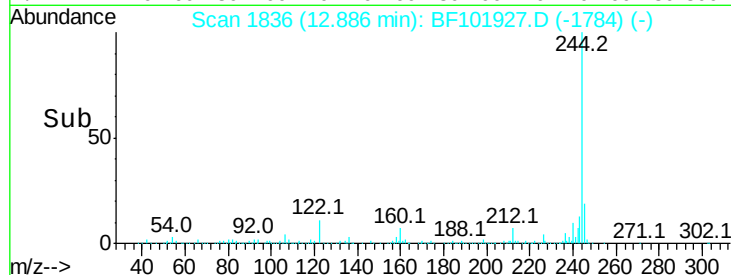
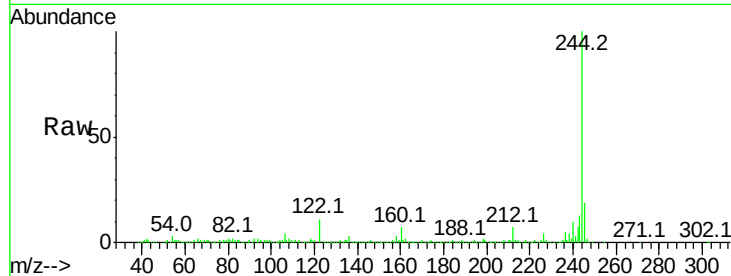
#78
 Terphenyl-d14
 Concen: 52.083 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.0	11.0	16.4#

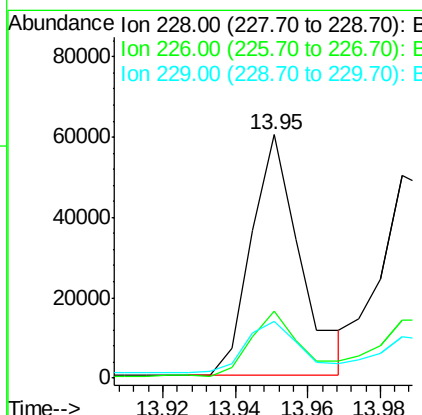
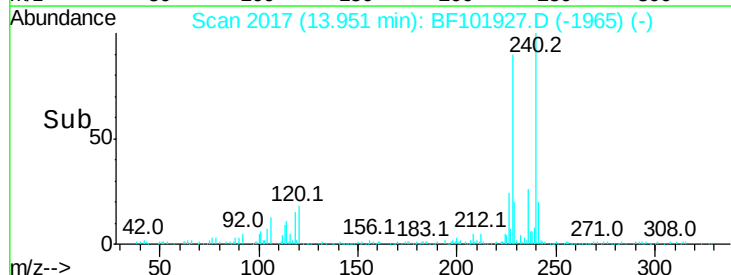
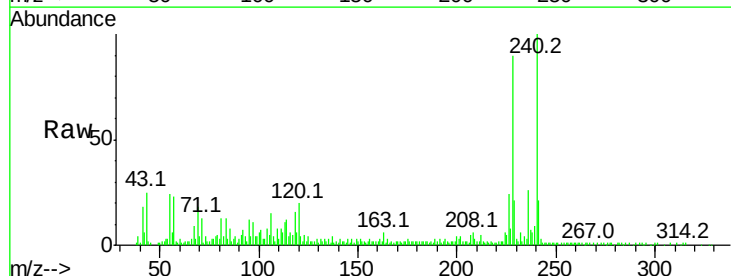
Manual Integrations
 APPROVED

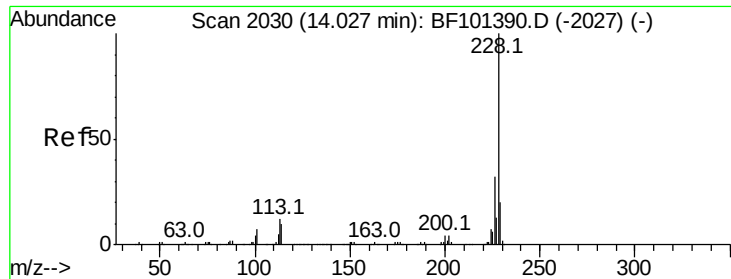
Sohil
 1/8/2018 4:21:47 PM



#80
 Benzo(a)anthracene
 Concen: 2.991 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	23.1	15.8	23.6





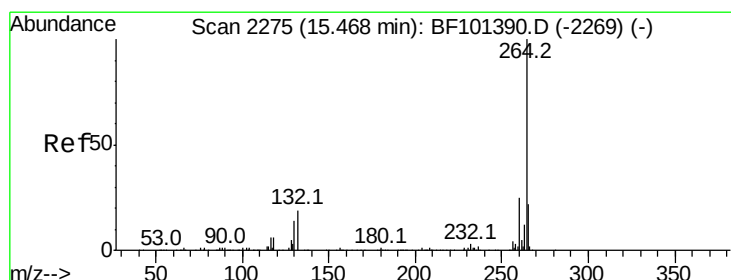
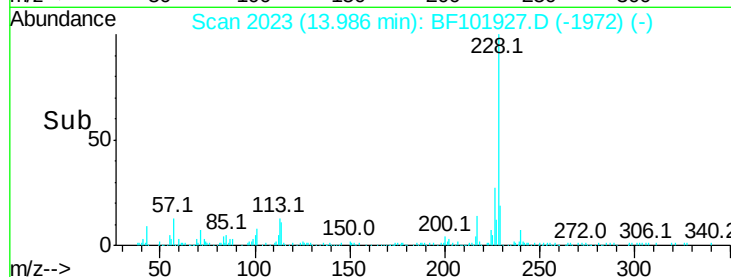
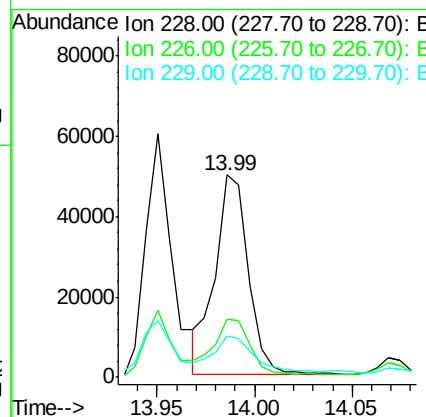
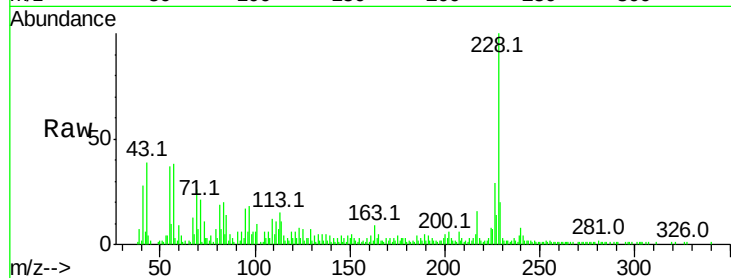
#82
Chrysene
Concen: 3.323 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion:	228	Resp:	59103
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.0	37.6
229	20.2	16.2	24.4

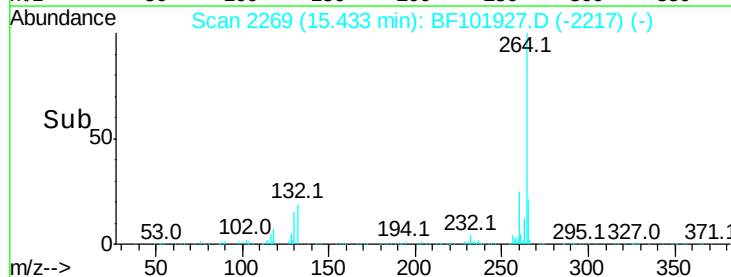
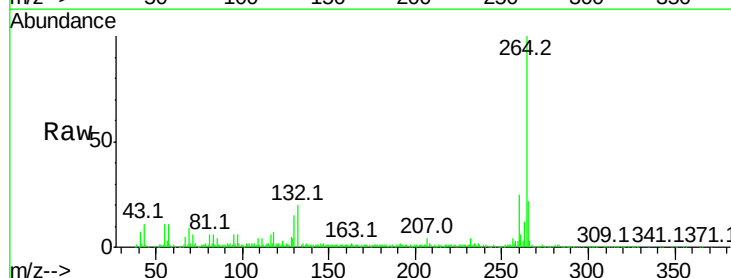
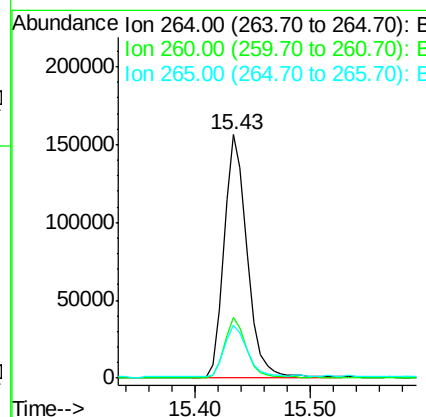
Manual Integrations
APPROVED

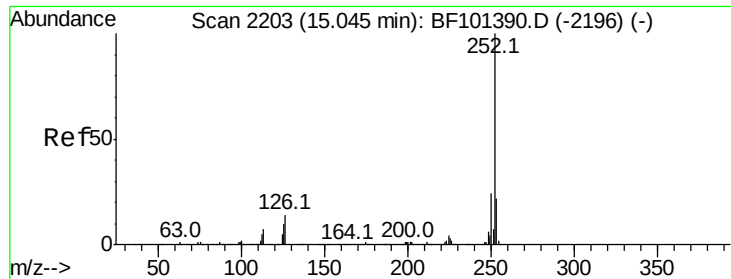
Sohil
1/8/2018 4:21:47 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion:	264	Resp:	213859
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.833 ng m

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

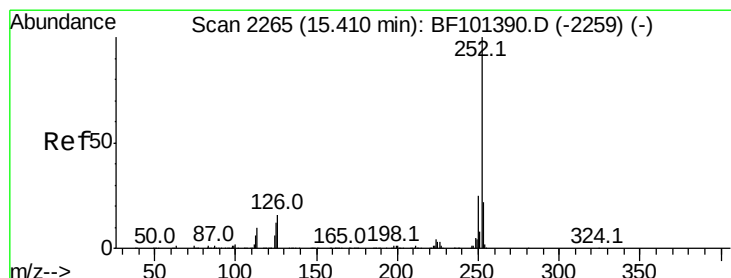
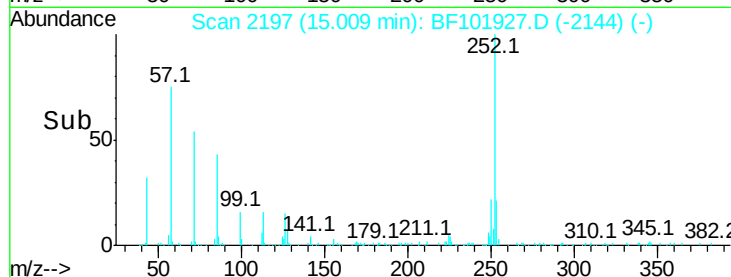
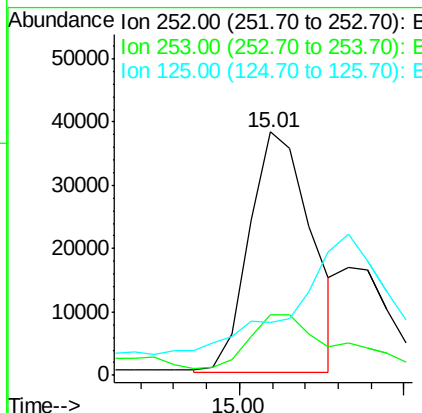
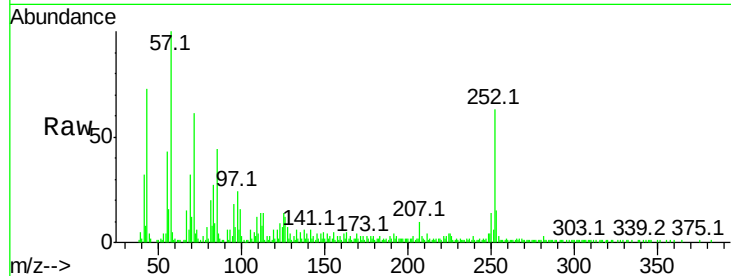
ClientSampleId :

SB-13-COMP

Tot Ion:	252	Resp:	49965
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	21.7	9.0	13.6#

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:47 PM



#89

Benzo(a)pyrene

Concen: 2.713 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Tgt Ion:	252	Resp:	32600
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.1	25.7#
125	23.8	9.8	14.6#

