

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101901.D
 Acq On : 4 Jan 2018 19:55
 Operator : SJ/JU
 Sample : J1033-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2(10)

Manual Integrations
 APPROVED

Sohil
 1/5/2018 10:29:42 AM

Quant Time: Jan 05 01:07:49 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	136778	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	536446	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	199953	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	289945	20.00	ng	0.00
75) Chrysene-d12	13.96	240	245105	20.00	ng	0.00
86) Perylene-d12	15.43	264	204534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	229628	25.01	ng	0.02
7) Phenol-d6	6.43	99	304326	26.63	ng	0.01
23) Nitrobenzene-d5	7.35	82	183825	19.08	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	31471	16.33	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	256502	19.90	ng	0.00
78) Terphenyl-d14	12.88	244	167765	16.50	ng	0.00
Target Compounds						
48) Acenaphthylene	9.67	152	161238	7.524	ng	98
70) Phenanthrene	11.33	178	65315	4.051	ng	99
71) Anthracene	11.38	178	164179	9.968	ng	99
74) Fluoranthene	12.52	202	815332	48.174	ng	100
77) Pyrene	12.76	202	934515	50.802	ng	99
80) Benzo(a)anthracene	13.94	228	683310	42.220	ng	97
82) Chrysene	13.99	228	578833	37.879	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	260203	19.121	ng	# 88
87) Benzo(b)fluoranthene	15.00	252	831953m	66.733	ng	
88) Benzo(k)fluoranthene	15.03	252	211070m	17.413	ng	
89) Benzo(a)pyrene	15.37	252	556596	48.431	ng	98
90) Dibenzo(a,h)anthracene	16.89	278	82350	8.346	ng	96
91) Benzo(a,h,i)perylene	17.36	276	217651	22.276	ng	95

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

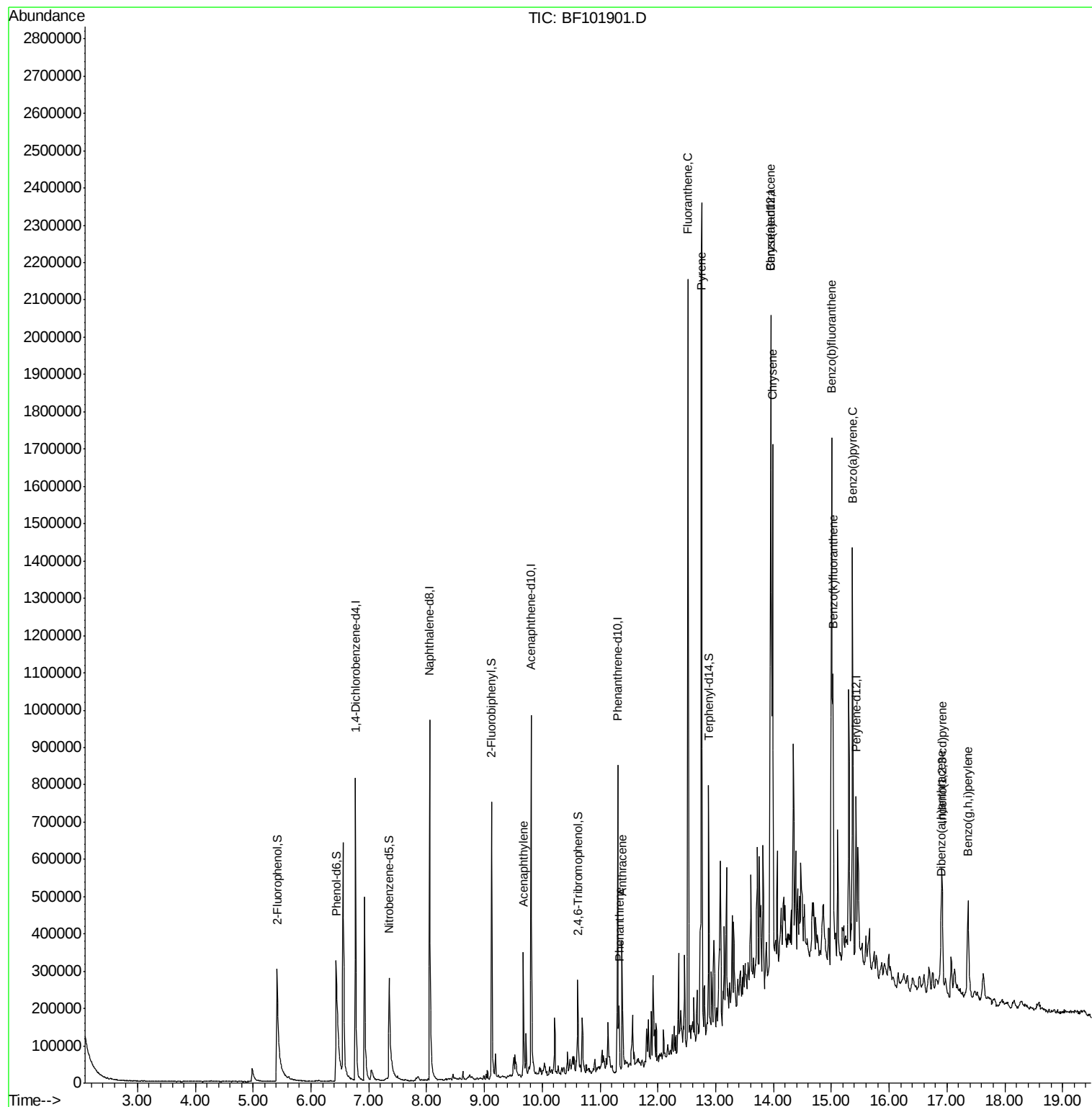
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

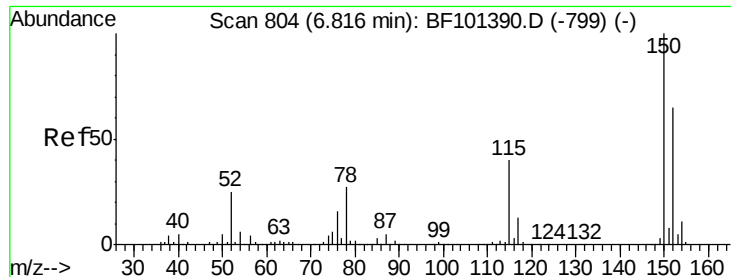
Instrument :
BNA_F
ClientSampleId :
B-2(10)

Manual Integrations
APPROVED

Sohil
1/5/2018 10:29:42 AM

Quant Time: Jan 05 01:07:49 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

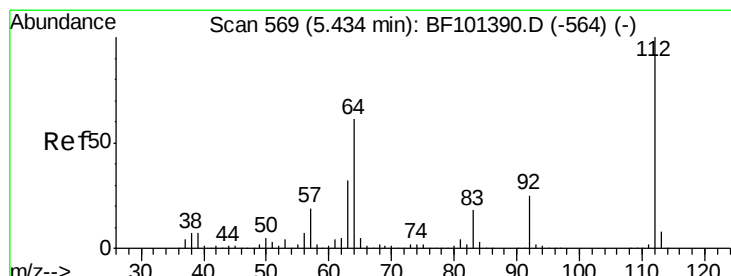
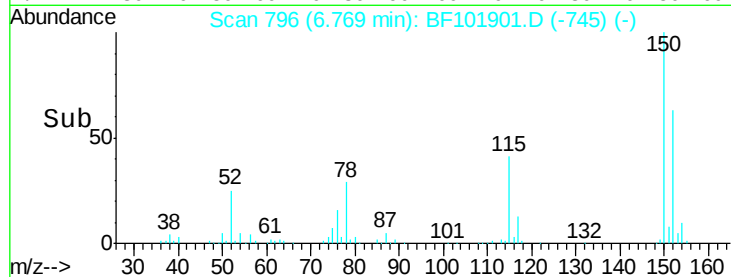
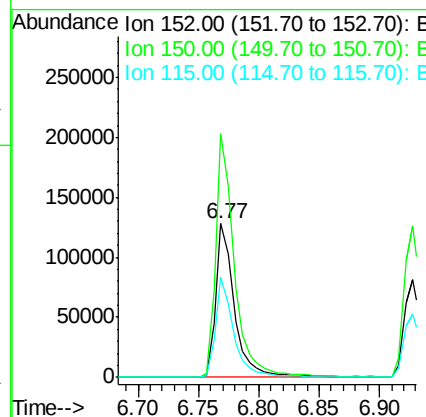
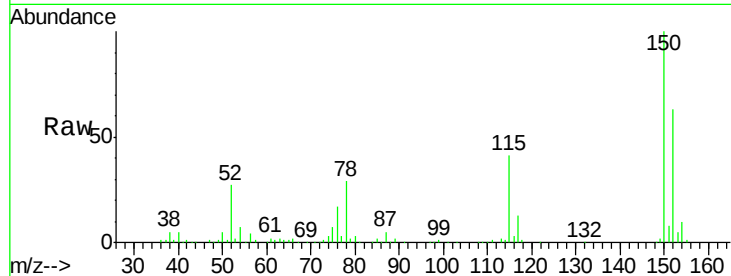
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampled :
B-2(10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	65.2	50.1	75.1

Manual Integrations
APPROVED

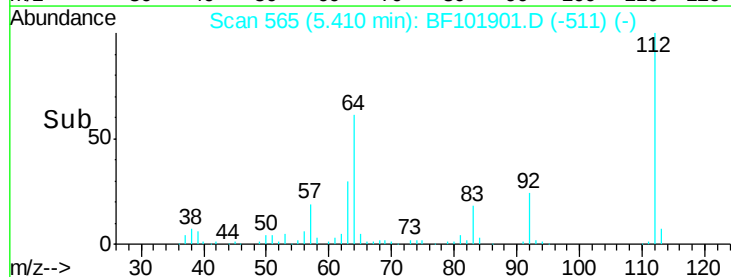
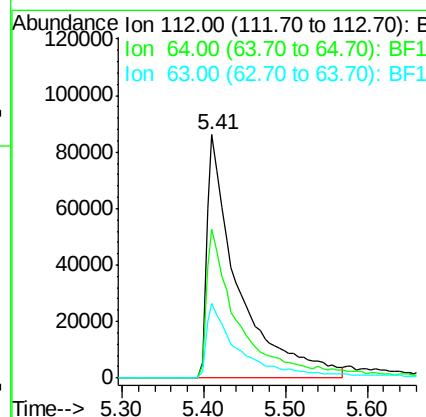
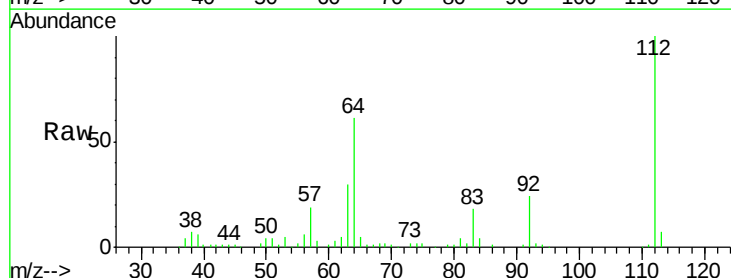
Sohil
1/5/2018 10:29:42 AM

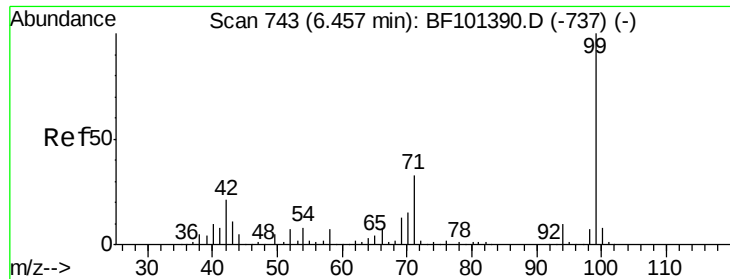


#5

2-Fluorophenol
Concen: 25.008 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 26.630 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

ClientSampled :

B-2(10)

Tot Ion: 99 Resp: 304326

Ion Ratio Lower Upper

99 100

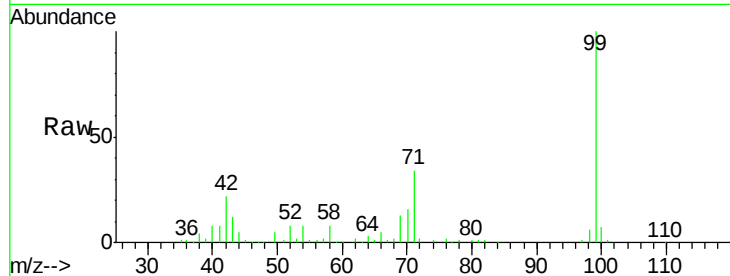
42 22.3 14.5 21.7#

71 34.2 25.4 38.0

Manual Integrations
APPROVED

Sohil

1/5/2018 10:29:42 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

150000

100000

50000

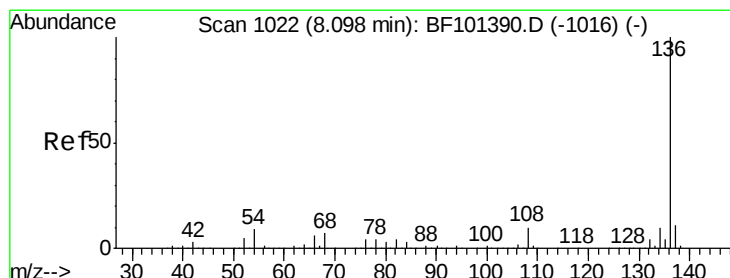
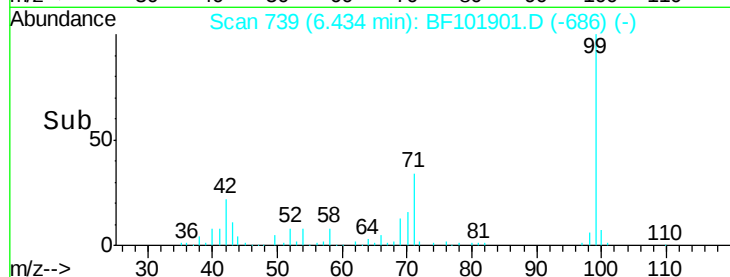
0

6.43

6.40

6.60

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Tgt Ion: 136 Resp: 536446

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.4 6.6 9.8

68 6.8 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

600000

400000

200000

0

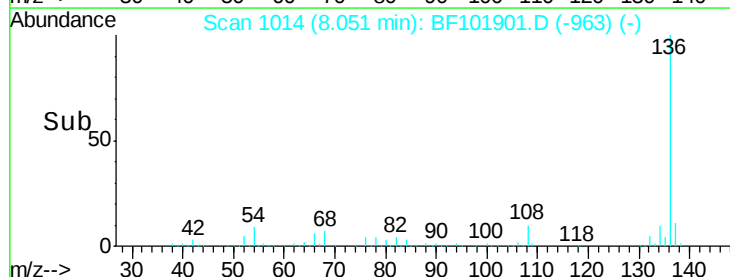
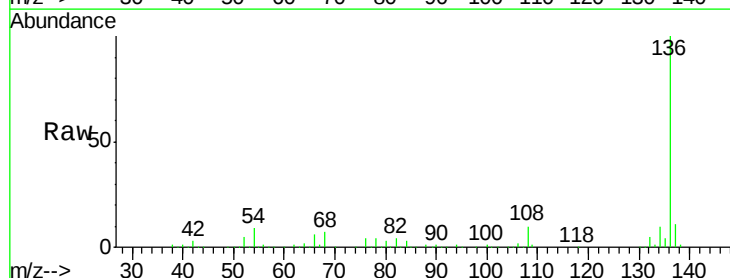
8.05

8.00

8.20

8.30

Time-->





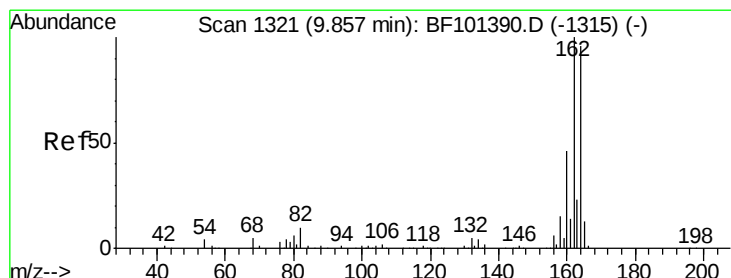
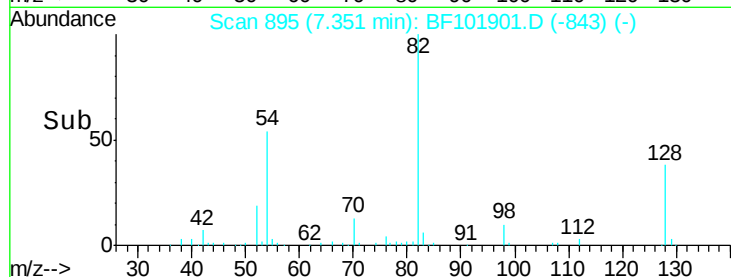
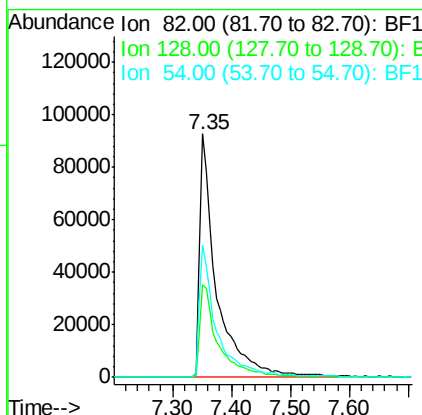
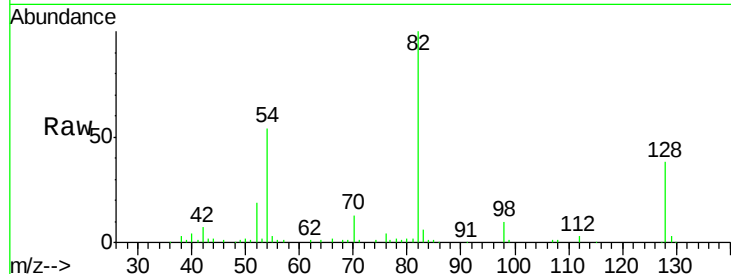
#23
 Nitrobenzene-d5
 Concen: 19.075 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 B-2(10)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	183825		
128	38.2		36.1	54.1
54	54.1		41.4	62.2

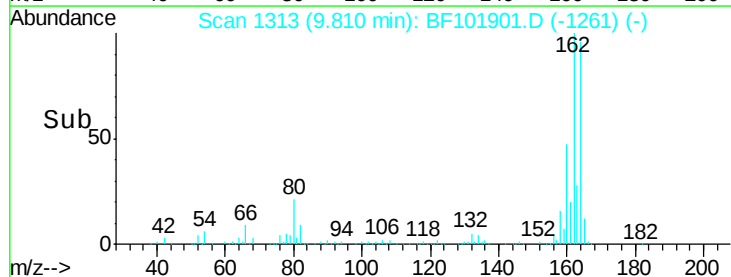
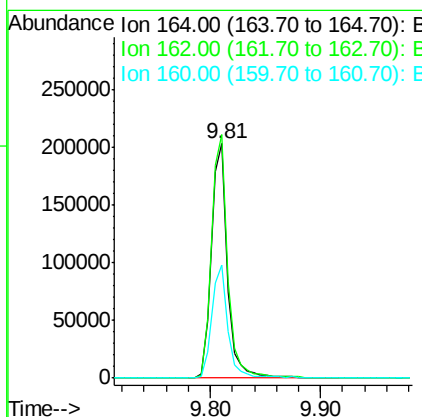
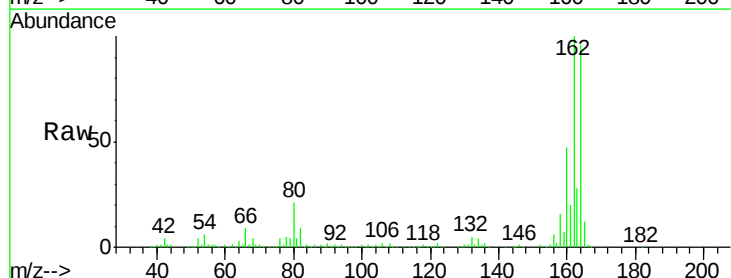
Manual Integrations
 APPROVED

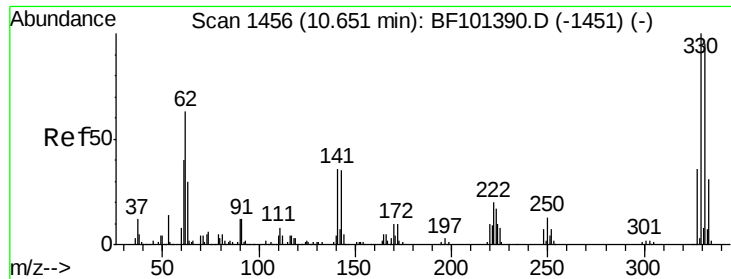
Sohil
 1/5/2018 10:29:42 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	199953		
162	103.8		86.1	129.1
160	48.3		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 16.334 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

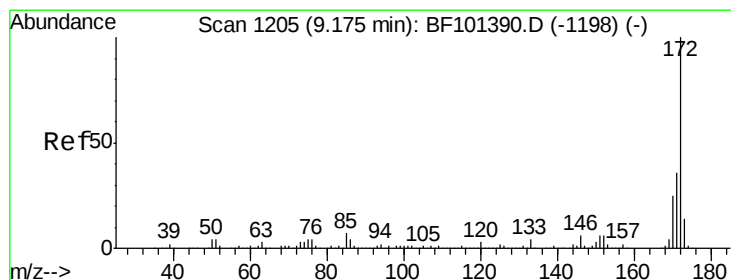
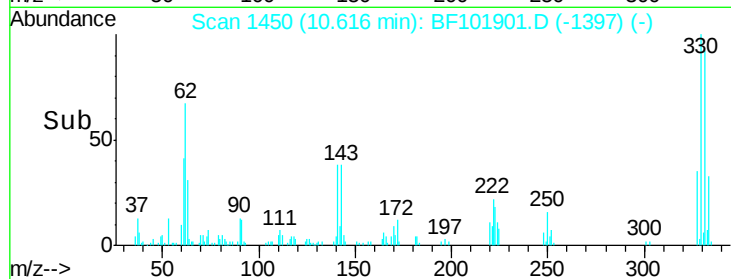
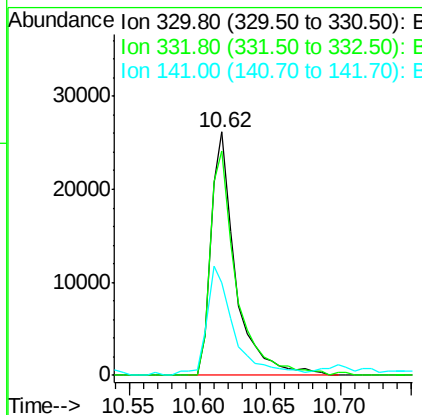
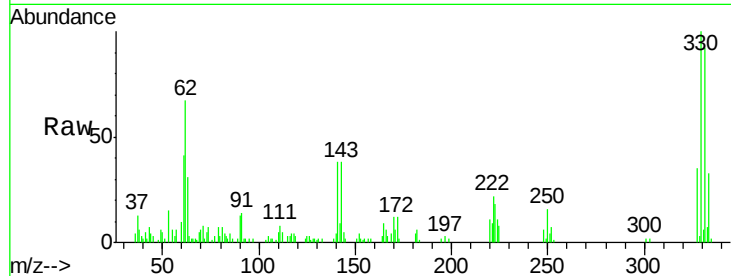
ClientSampled :

B-2(10)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	50.3	29.9	44.9

Manual Integrations
APPROVED

Sohil
1/5/2018 10:29:42 AM



#44

2-Fluorobiphenyl

Concen: 19.900 ng

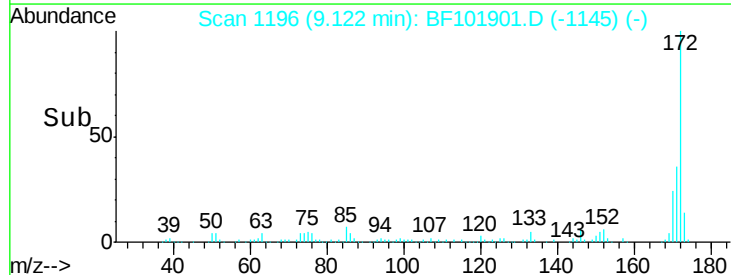
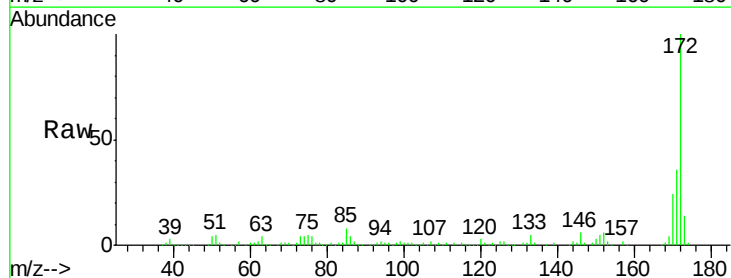
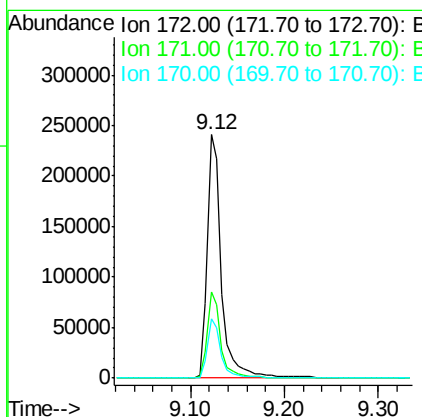
RT: 9.12 min Scan# 1196

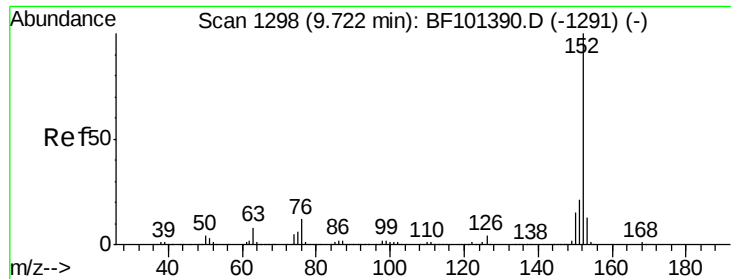
Delta R.T. 0.00 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.5	19.6	29.4





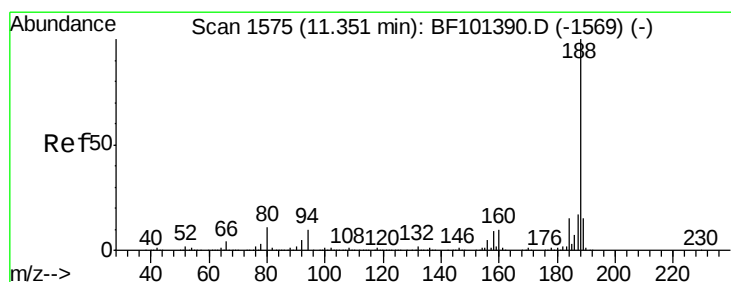
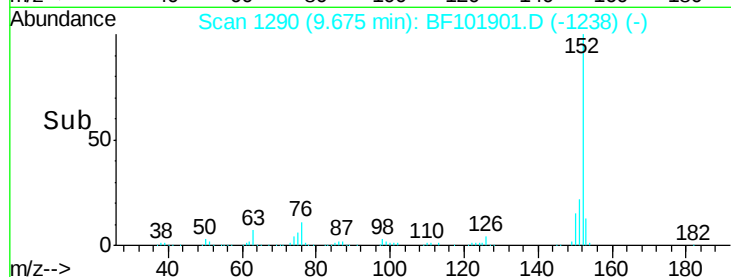
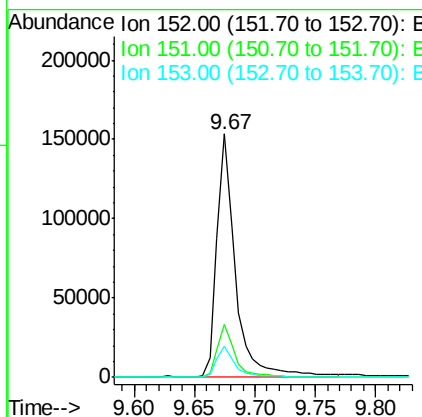
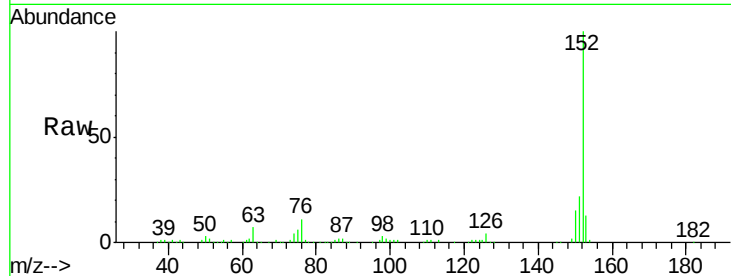
#48
Acenaphthylene
Concen: 7.524 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampleId :
B-2(10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		161238		
151	21.6	16.3	24.5		
153	12.8	10.7	16.1		

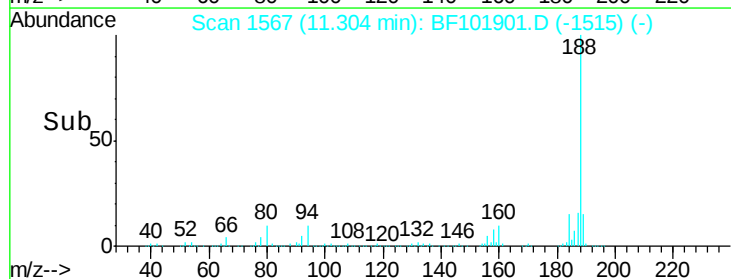
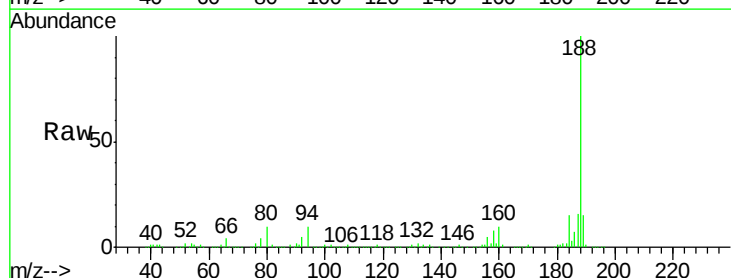
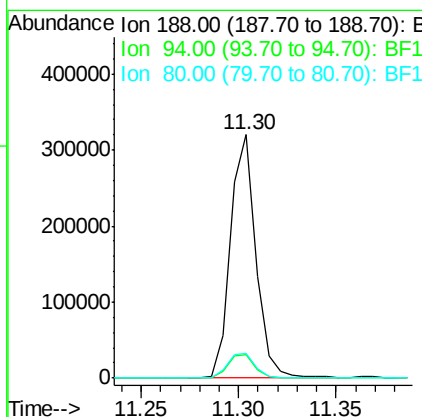
Manual Integrations
APPROVED

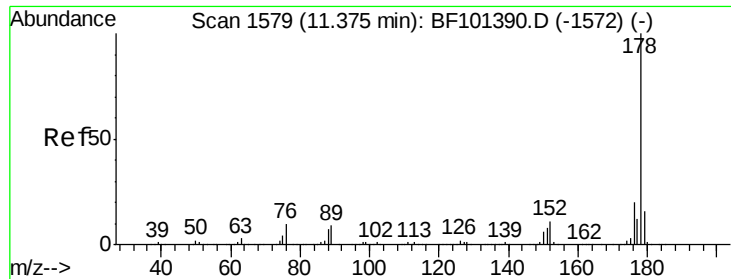
Sohil
1/5/2018 10:29:42 AM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		289945		
94	9.6	8.5	12.7		
80	10.3	9.2	13.8		





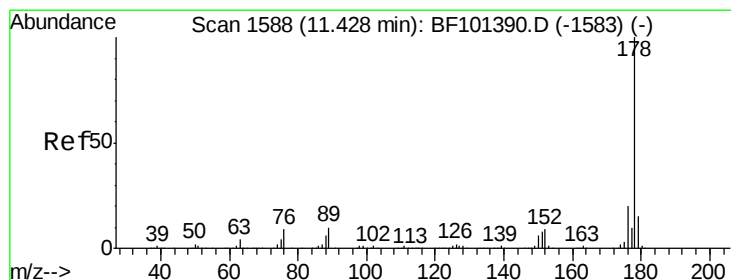
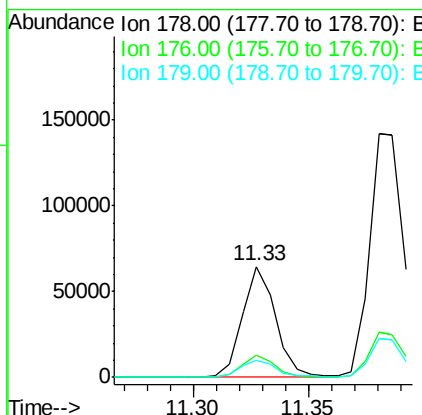
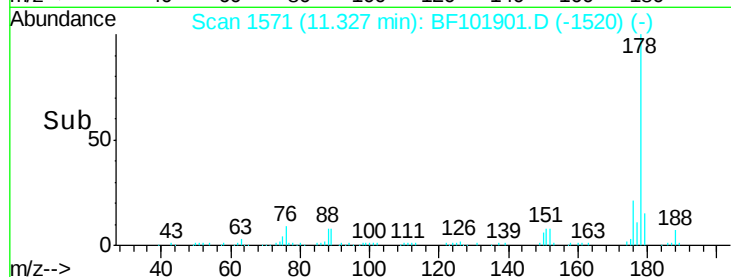
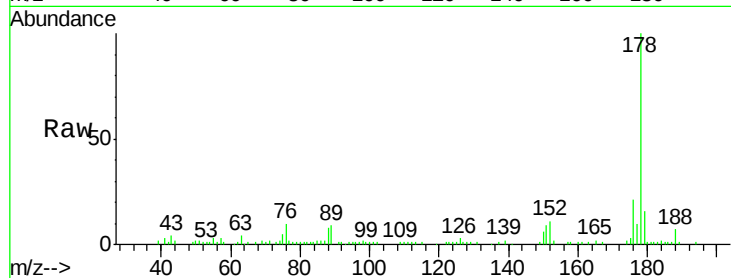
#70
Phenanthrene
Concen: 4.051 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampled :
B-2(10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.8	13.0	19.6

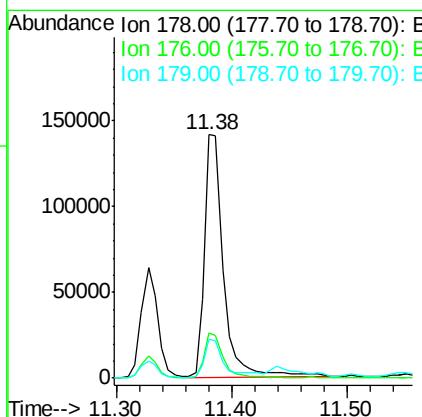
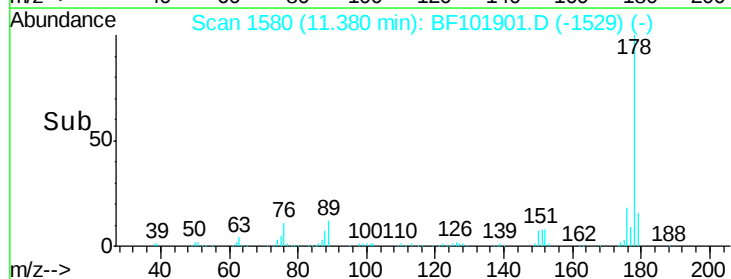
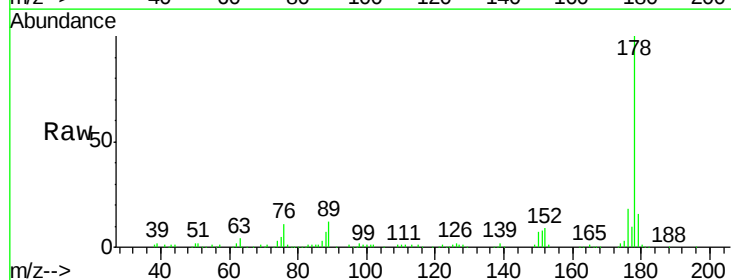
Manual Integrations
APPROVED

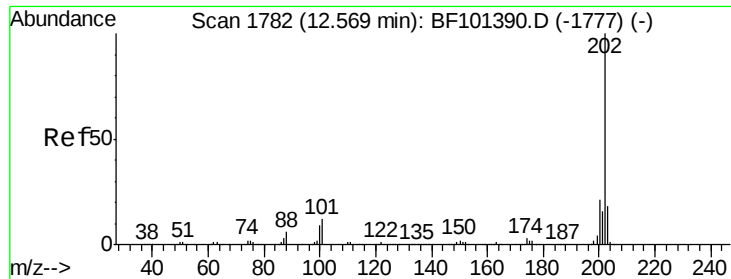
Sohil
1/5/2018 10:29:42 AM



#71
Anthracene
Concen: 9.968 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 48.174 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

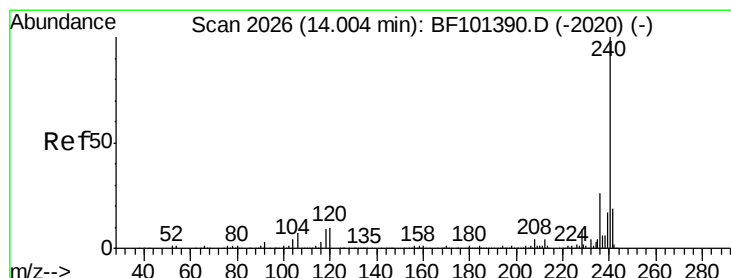
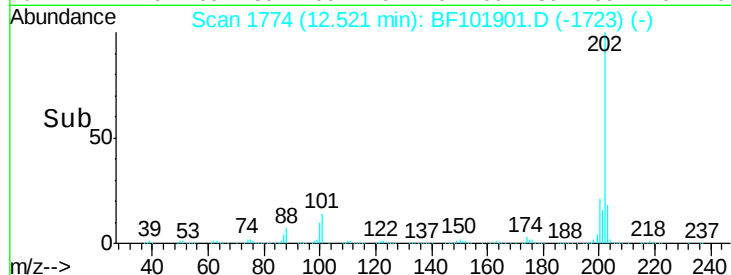
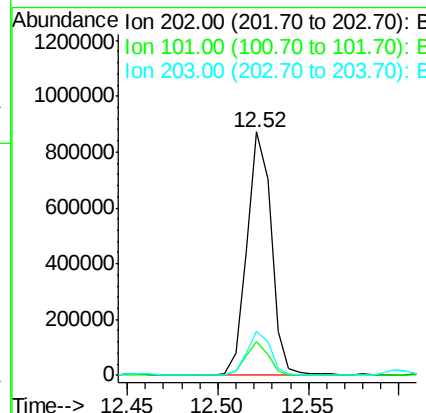
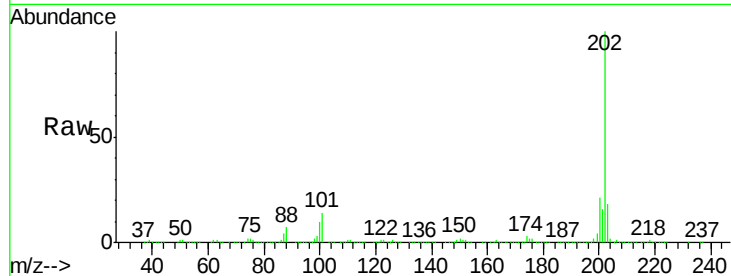
ClientSampled :

B-2(10)

Tot Ion:	202	Resp:	815332
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
1/5/2018 10:29:42 AM



#75

Chrysene-d12

Concen: 20.000 ng

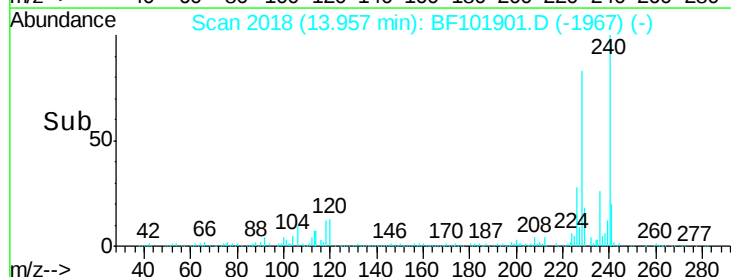
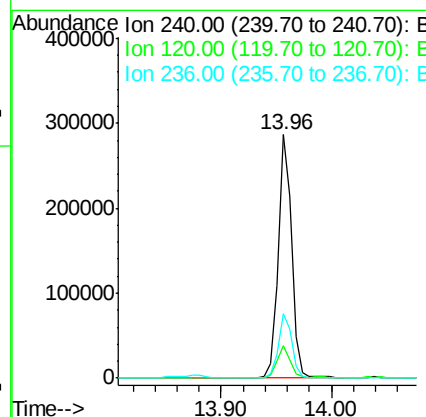
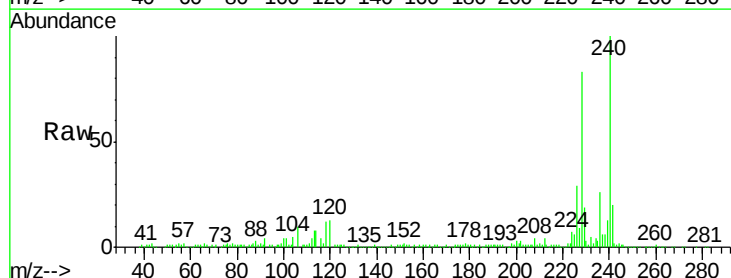
RT: 13.96 min Scan# 2018

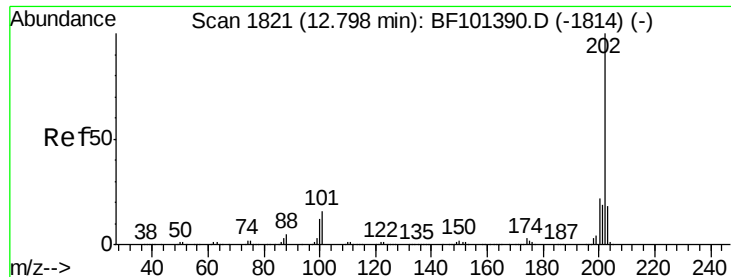
Delta R.T. 0.00 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Tgt Ion:	240	Resp:	245105
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	26.3	20.7	31.1





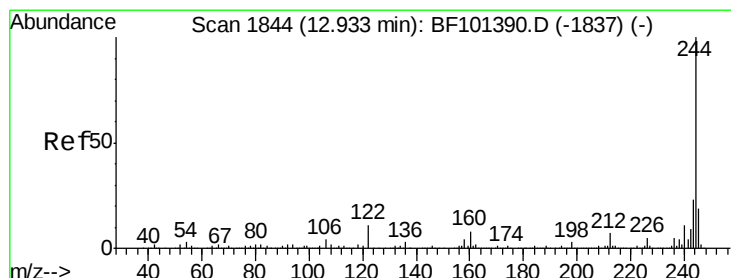
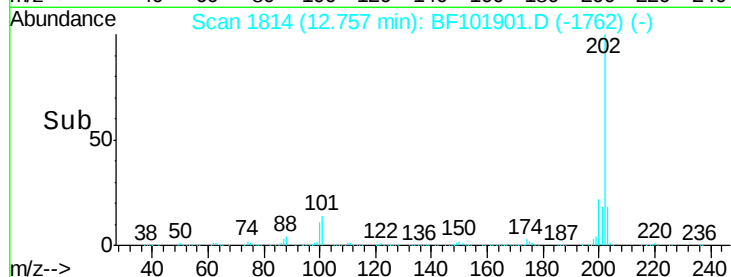
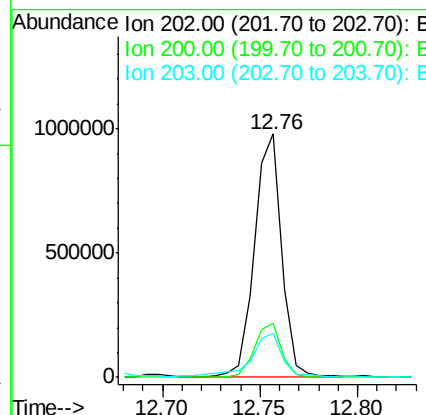
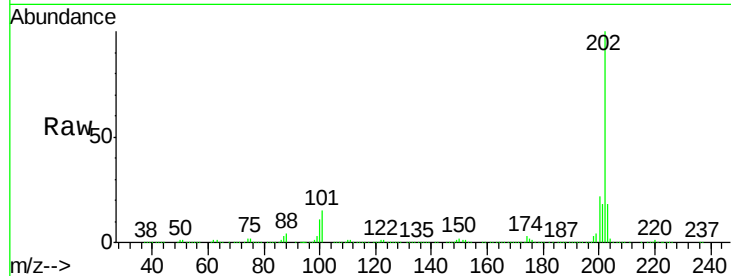
#77
Pvrene
Concen: 50.802 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampleId :
B-2(10)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.4	17.4	26.2
203	18.2	14.3	21.5

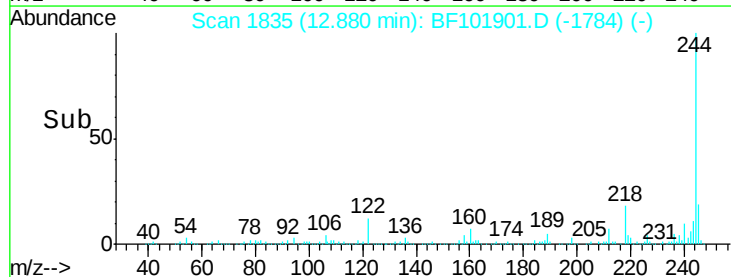
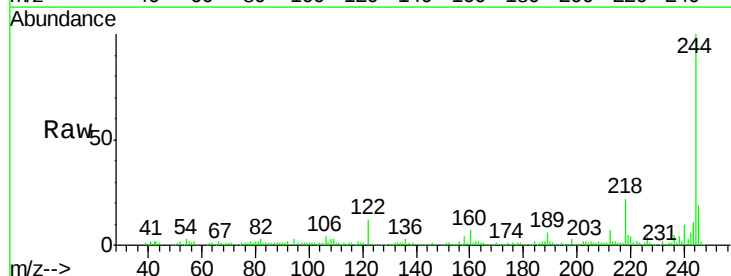
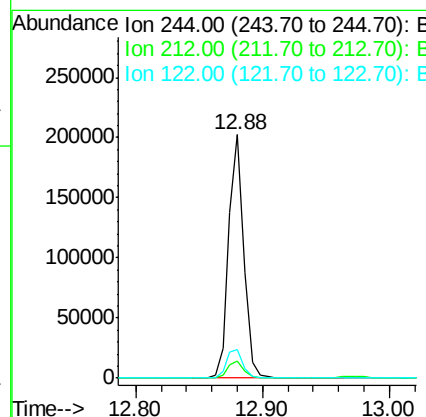
Manual Integrations
APPROVED

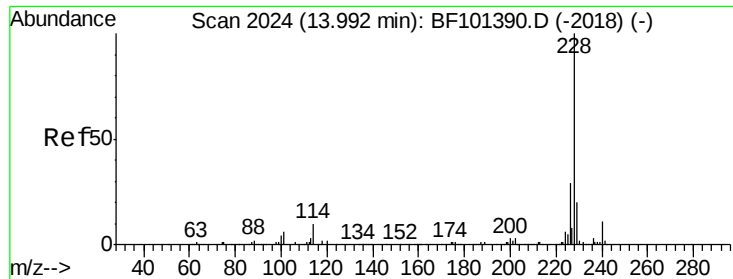
Sohil
1/5/2018 10:29:42 AM



#78
Terphenyl-d14
Concen: 16.501 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.9	11.0	16.4





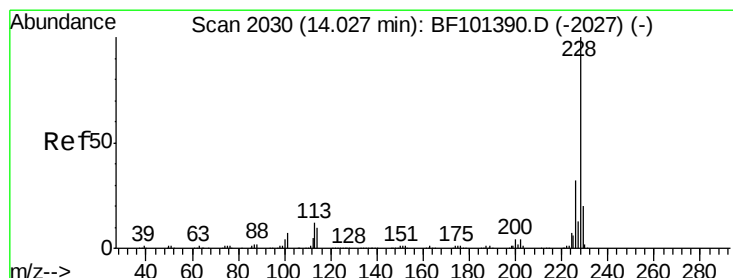
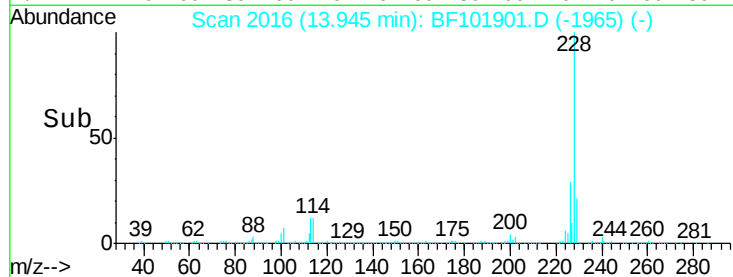
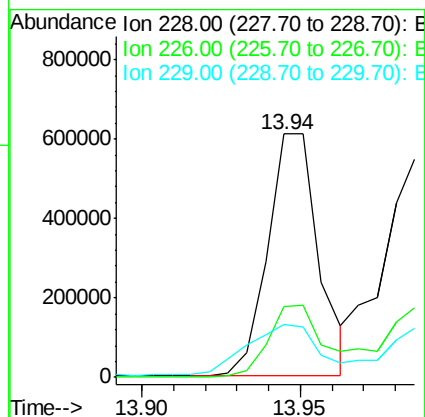
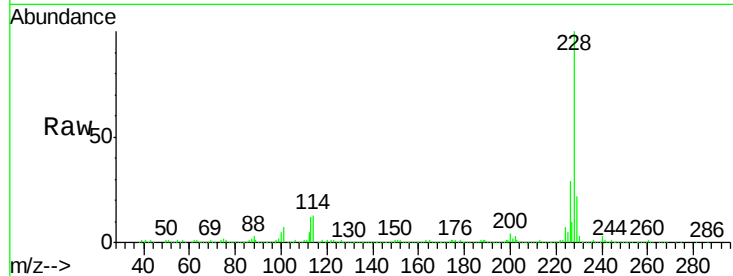
#80
Benzo(a)anthracene
Concen: 42.220 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampleId :
B-2(10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.8	15.8	23.6

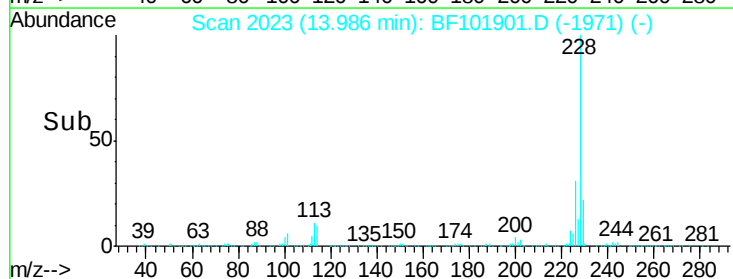
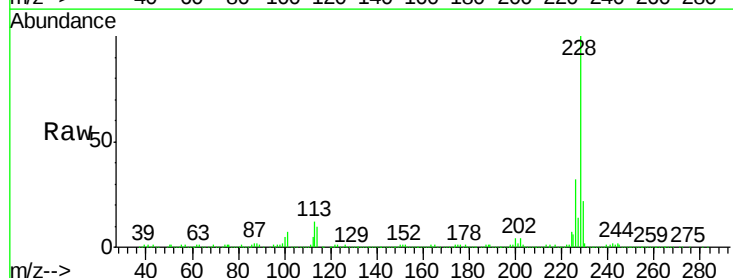
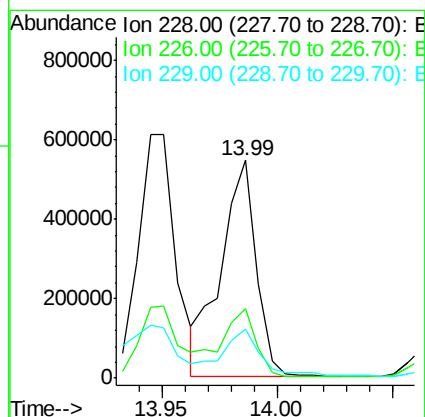
Manual Integrations
APPROVED

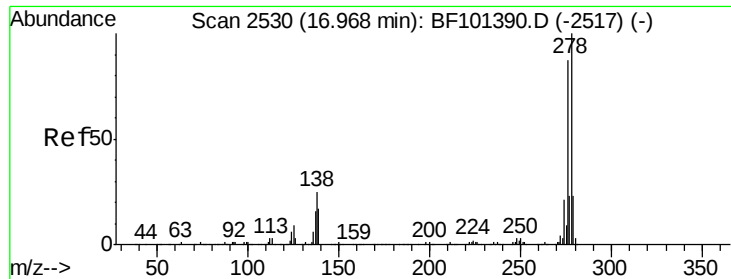
Sohil
1/5/2018 10:29:42 AM



#82
Chrysene
Concen: 37.879 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.4	16.2	24.4





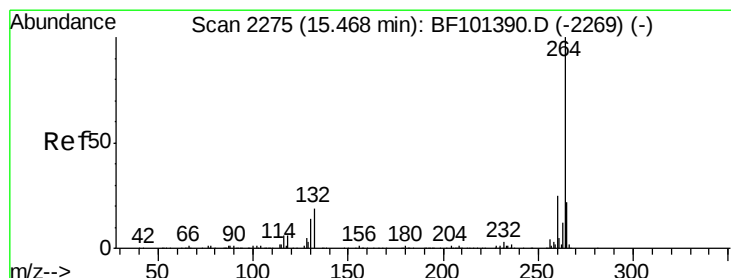
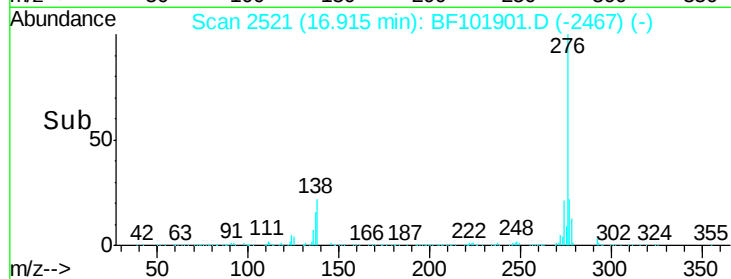
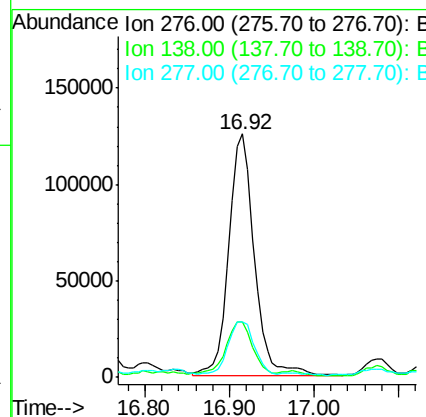
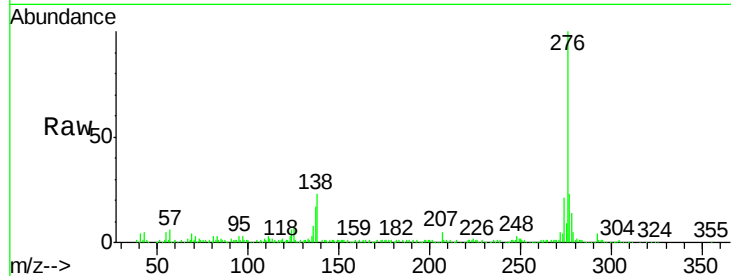
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.121 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. 0.02 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 B-2(10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	25.0	37.6#
277	22.3	20.1	30.1

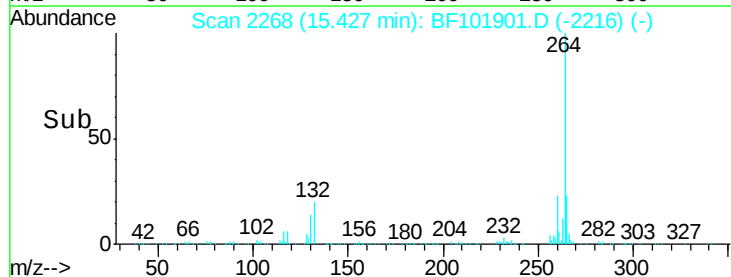
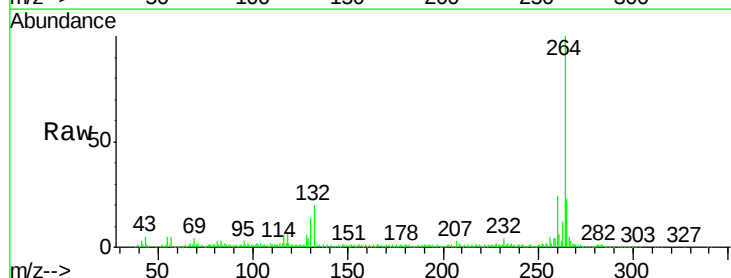
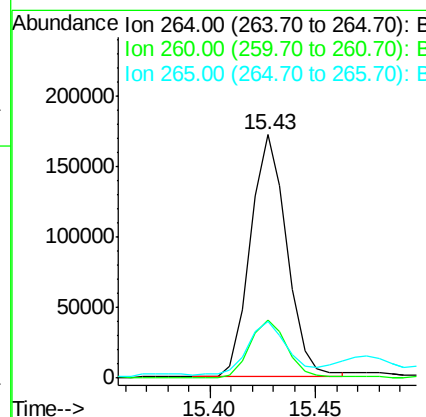
Manual Integrations
 APPROVED

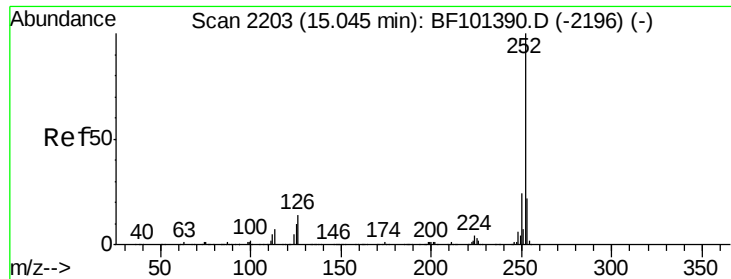
Sohil
 1/5/2018 10:29:42 AM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF101901.D
 Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 66.733 ng m

RT: 15.00 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Instrument :

BNA_F

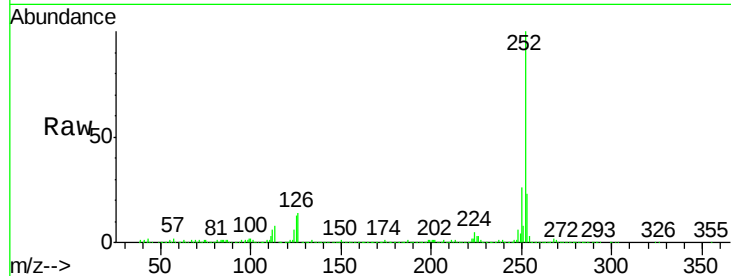
ClientSampled :

B-2(10)

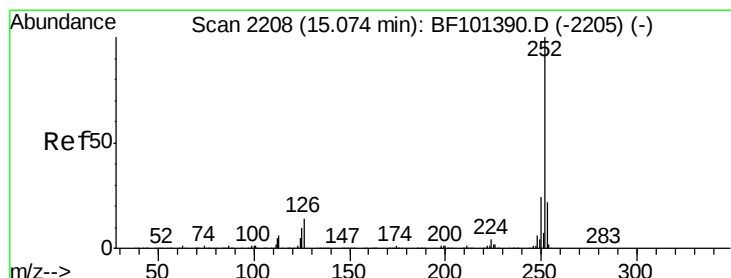
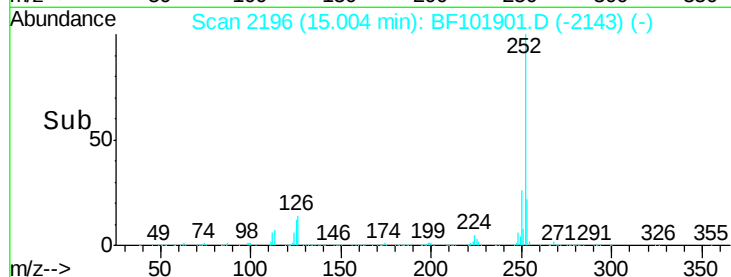
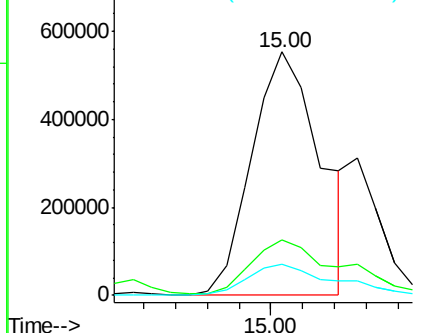
Tot Ion:	252	Resp:	831953
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	12.8	9.0	13.6

Manual Integrations
APPROVED

Sohil
1/5/2018 10:29:42 AM



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



#88

Benzo(k)fluoranthene

Concen: 17.413 ng m

RT: 15.03 min Scan# 2200

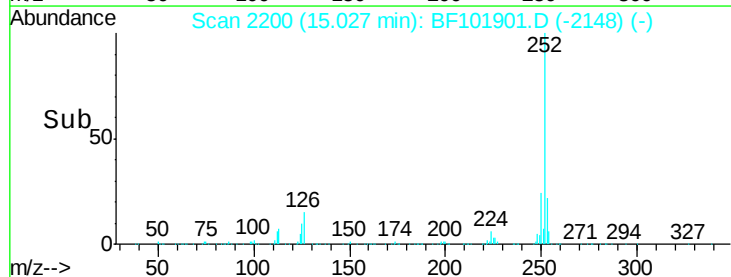
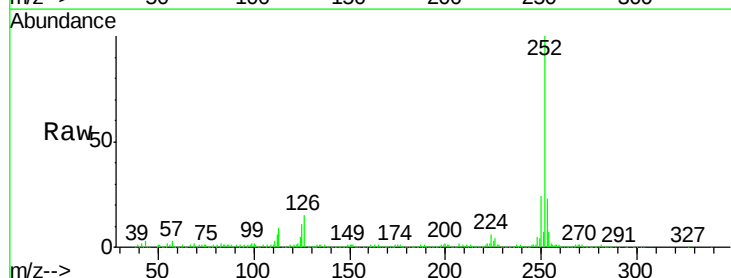
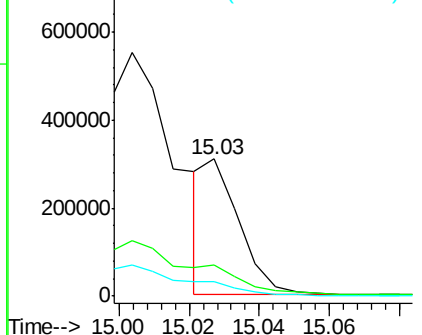
Delta R.T. 0.01 min

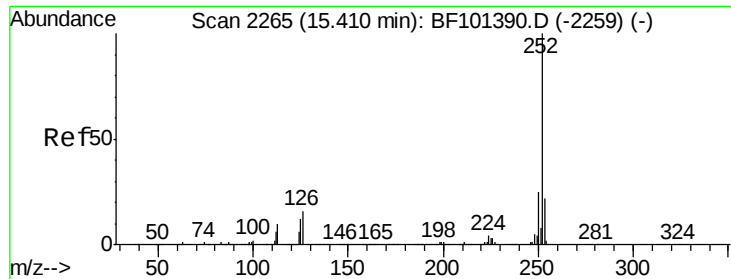
Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Tgt Ion:	252	Resp:	211070
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	10.5	10.2	15.2

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





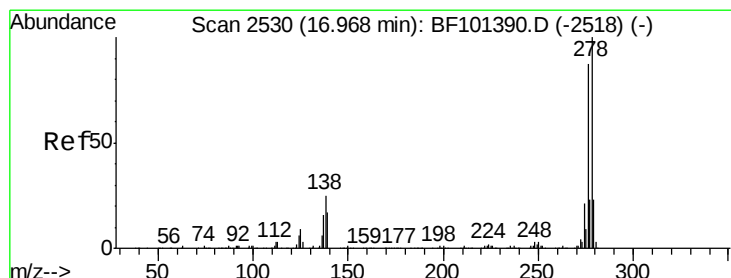
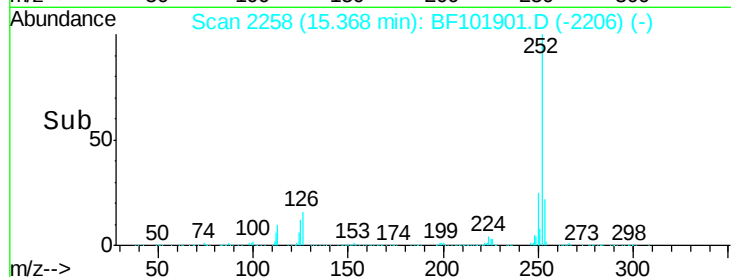
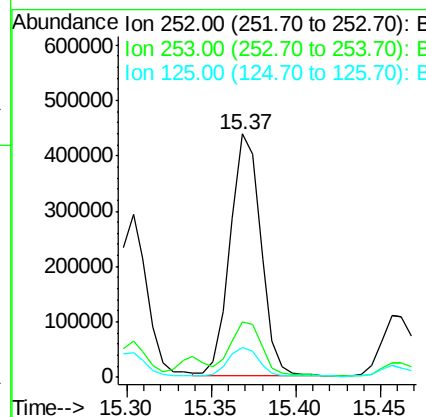
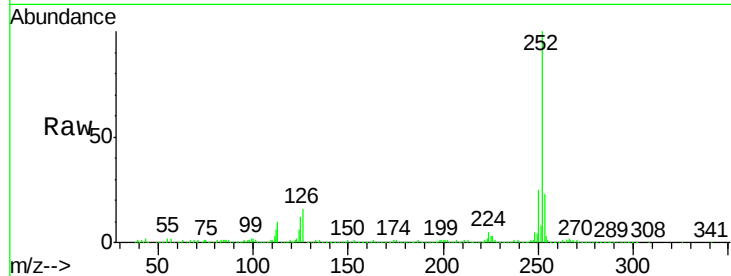
#89
Benzo(a)pyrene
Concen: 48.431 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Instrument :
BNA_F
ClientSampled :
B-2(10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.1	9.8	14.6

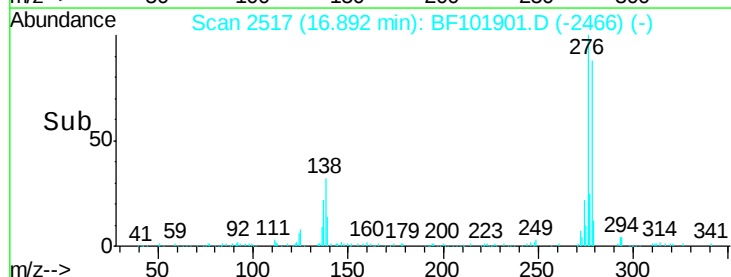
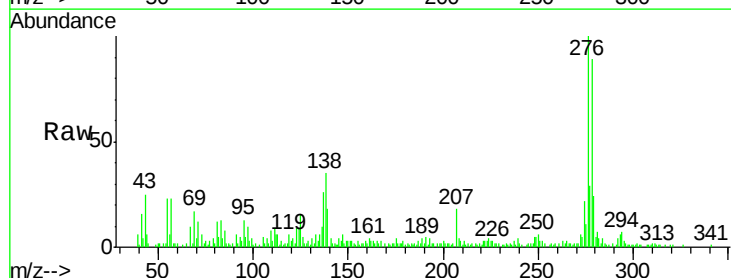
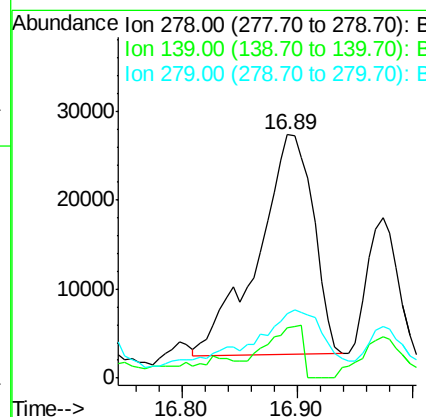
Manual Integrations
APPROVED

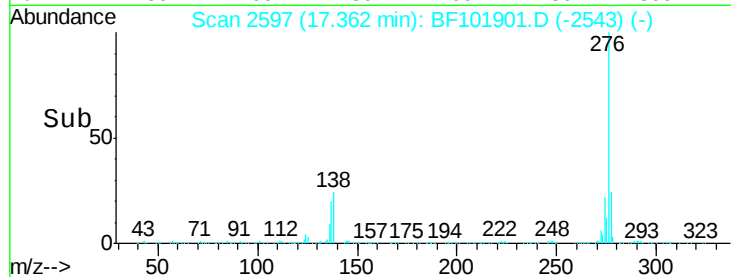
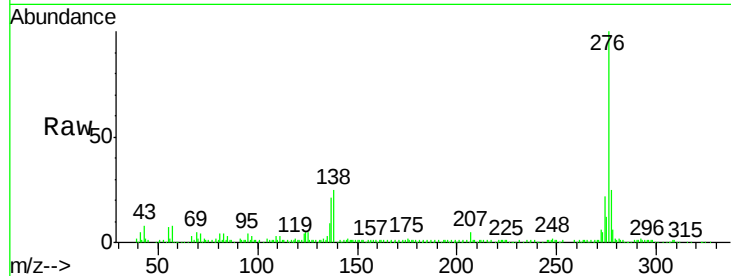
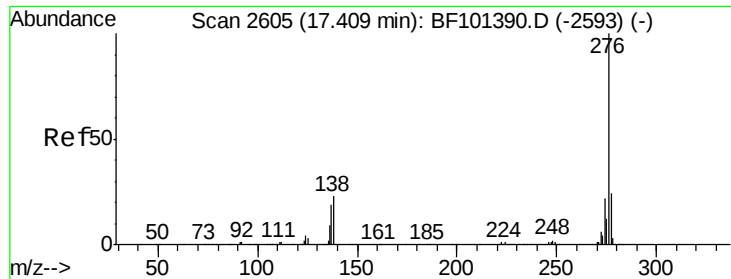
Sohil
1/5/2018 10:29:42 AM



#90
Dibenzo(a,h)anthracene
Concen: 8.346 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF101901.D
Acq: 4 Jan 2018 19:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	15.9	23.9
279	26.4	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 22.276 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.02 min

Lab File: BF101901.D

Acq: 4 Jan 2018 19:55

Tot Ion:	276	Resp:	217651
Ion Ratio	Lower	Upper	
276	100		
277	25.0	17.9	26.9
138	24.6	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

B-2(10)

Manual Integrations
APPROVED

Sohil
1/5/2018 10:29:42 AM

