

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104696.D
 Acq On : 21 Apr 2018 1:58
 Operator : JU/SJ
 Sample : J2453-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 0.5-10

Manual Integrations
 APPROVED

Sohil
 4/23/2018 2:18:51 PM

Quant Time: Apr 21 05:08:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114237	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	453620	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	189086	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	298006	20.00	ng	0.00
75) Chrysene-d12	13.98	240	221428	20.00	ng	0.00
86) Perylene-d12	15.44	264	182393	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	606405	81.17	ng	0.00
7) Phenol-d6	6.44	99	806393	87.85	ng	0.00
23) Nitrobenzene-d5	7.37	82	676730	97.41	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	106662	54.38	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	992620	82.93	ng	0.00
78) Terphenyl-d14	12.92	244	729681	75.13	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	42484	2.158	ng	98
49) Dimethylphthalate	9.56	163	107058	7.180	ng	99
57) Fluorene	10.39	166	26039	2.137	ng	98
70) Phenanthrene	11.36	178	368888	22.228	ng	98
71) Anthracene	11.40	178	137013	8.122	ng	98
74) Fluoranthene	12.55	202	581048	33.510	ng	96
77) Pyrene	12.78	202	485714	29.593	ng	98
80) Benzo(a)anthracene	13.97	228	310557m	23.477	ng	
82) Chrysene	14.00	228	221310	16.288	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	71048	6.155	ng	95
87) Benzo(b)fluoranthene	15.02	252	245693m	21.328	ng	
88) Benzo(k)fluoranthene	15.04	252	62460m	5.743	ng	
89) Benzo(a)pyrene	15.38	252	160269	15.549	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	25440	3.005	ng	# 88
91) Benzo(a,h,i)perylene	17.33	276	58964	7.189	ng	98

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

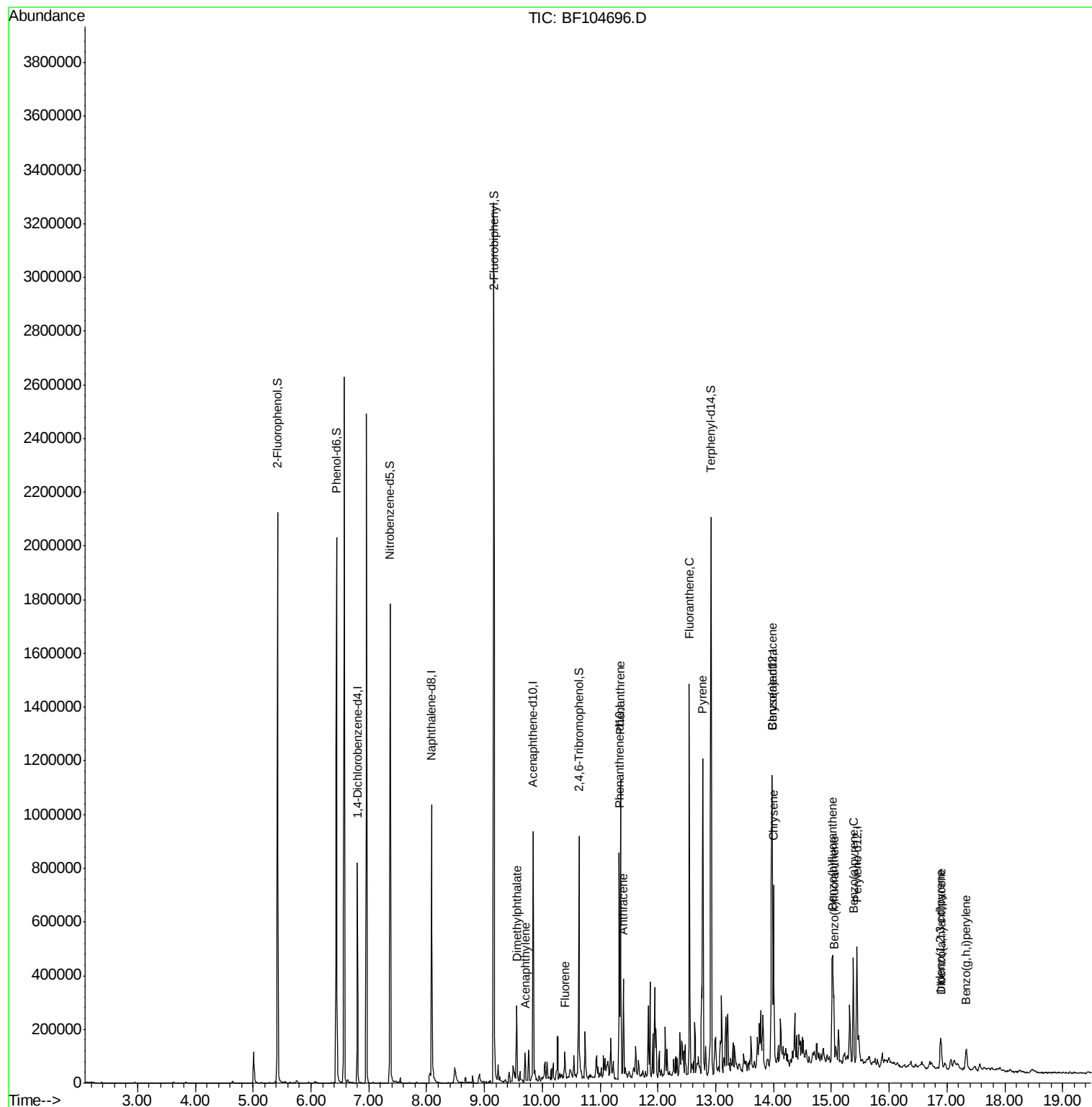
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
Data File : BF104696.D
Acq On : 21 Apr 2018 1:58
Operator : JU/SJ
Sample : J2453-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

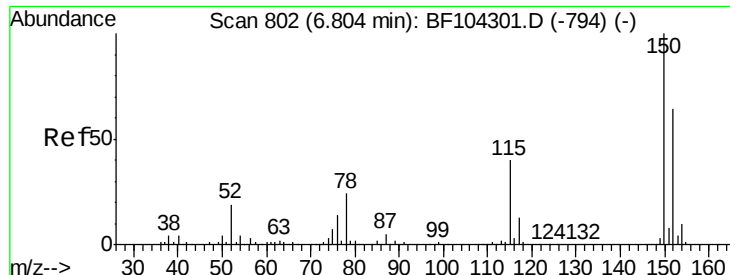
Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:51 PM

Quant Time: Apr 21 05:08:09 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 20 14:49:55 2018
Response via : Initial Calibration





#1

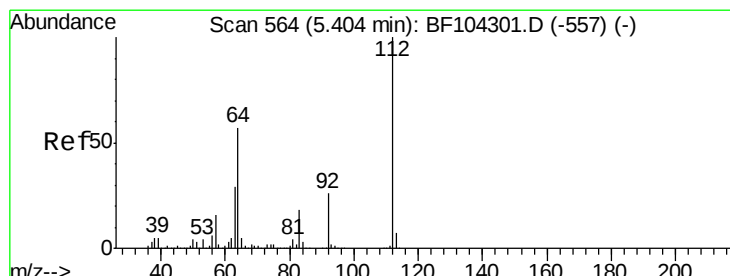
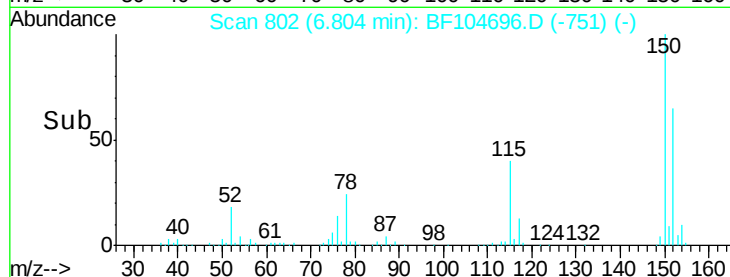
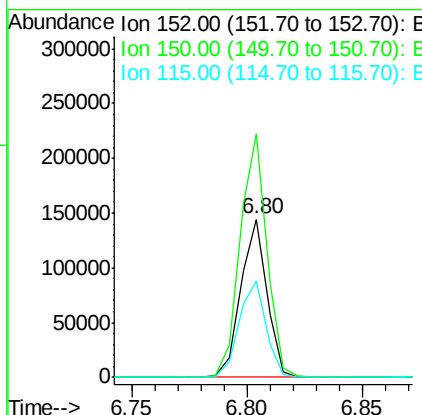
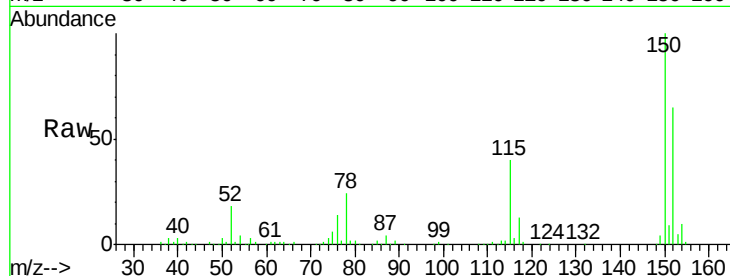
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	61.1	50.1	75.1

Manual Integrations
APPROVED

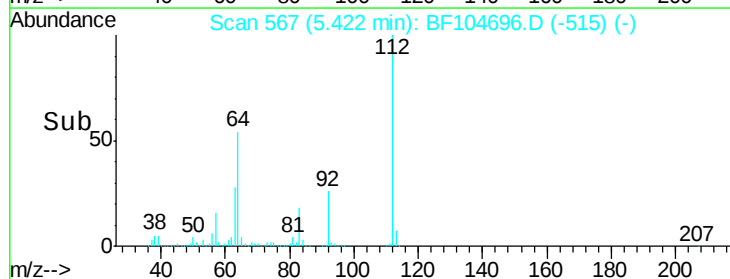
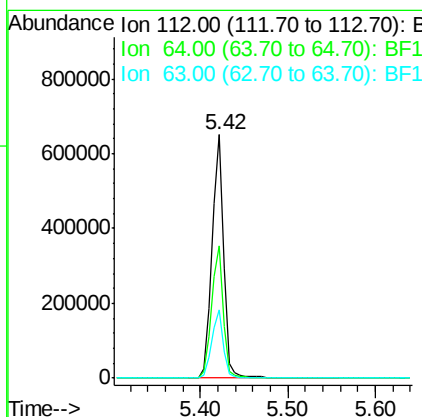
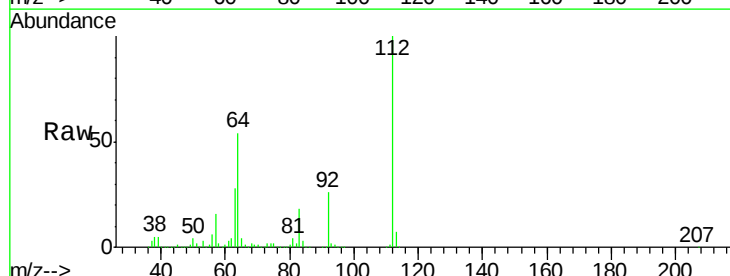
Sohil
4/23/2018 2:18:51 PM

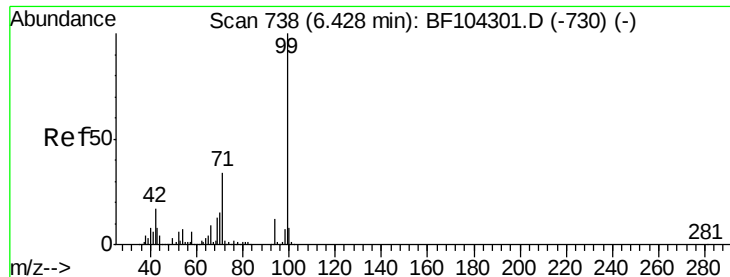


#5

2-Fluorophenol
Concen: 81.167 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 87.847 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104696.D

Acq: 21 Apr 2018 1:58

Instrument :

BNA_F

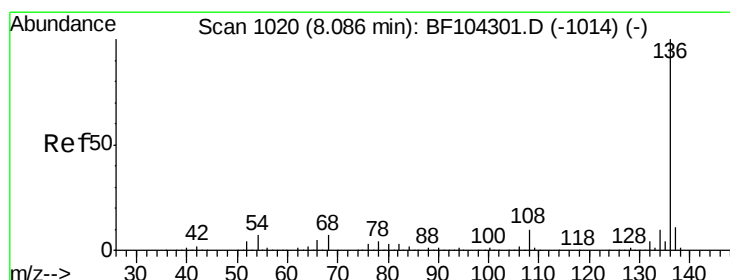
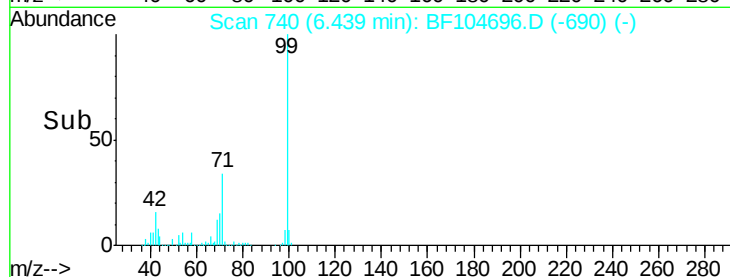
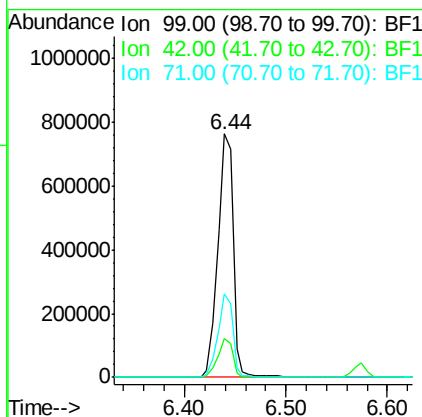
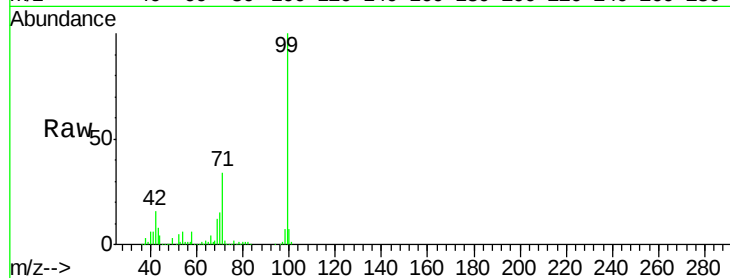
ClientSampled :

T-14 0.5-10

Tot Ion:	99	Resp:	806393
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	34.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:51 PM



#21

Naphthalene-d8

Concen: 20.000 ng

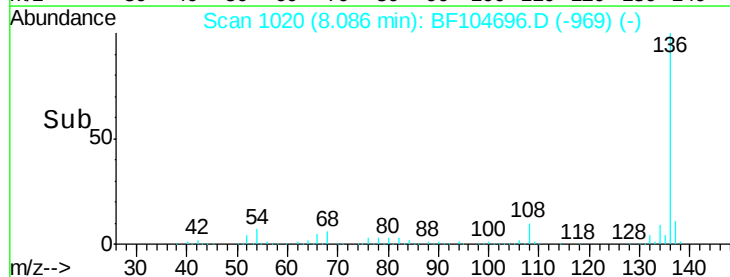
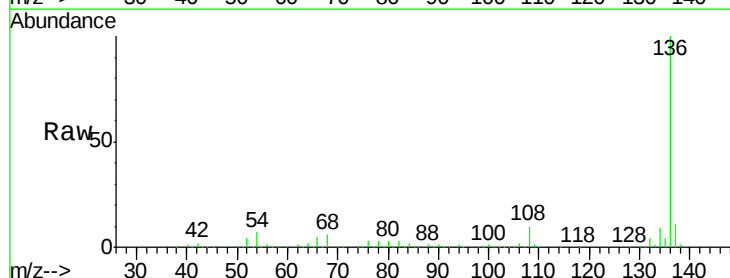
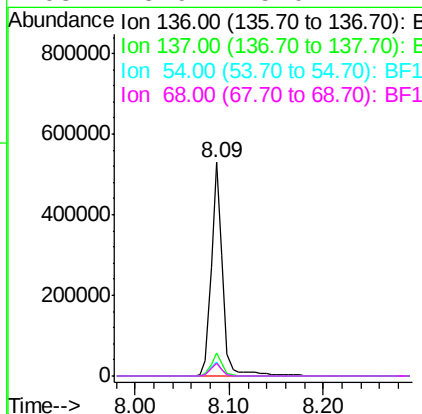
RT: 8.09 min Scan# 1020

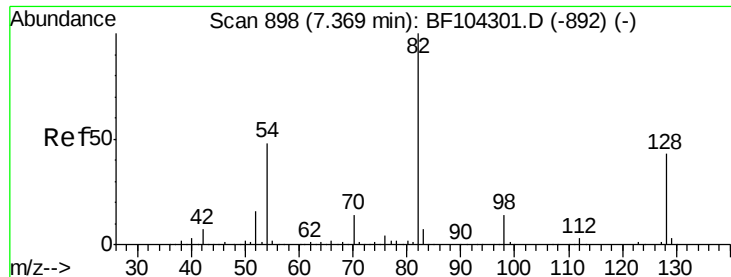
Delta R.T. -0.00 min

Lab File: BF104696.D

Acq: 21 Apr 2018 1:58

Tgt Ion:	136	Resp:	453620
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4





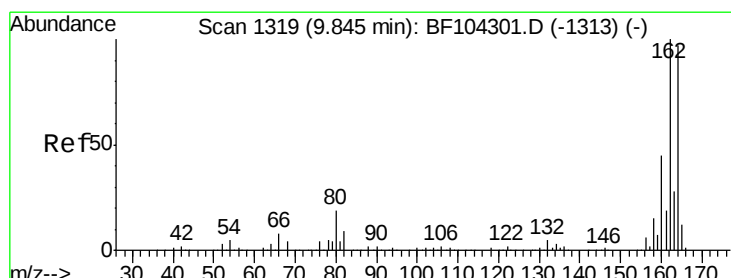
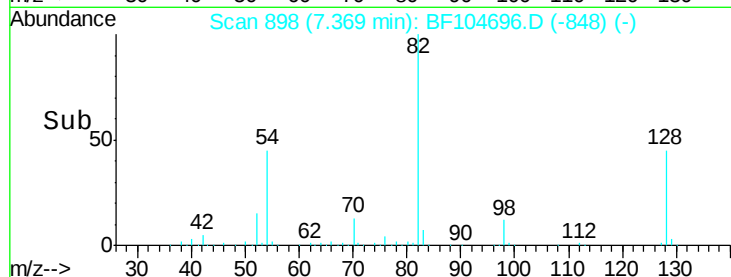
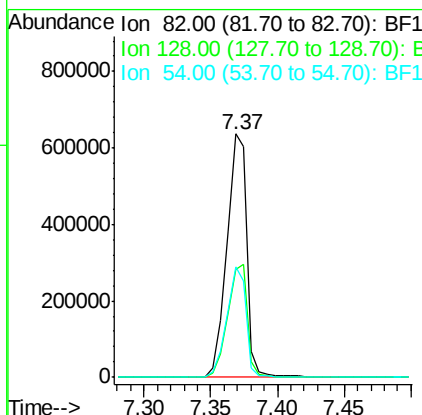
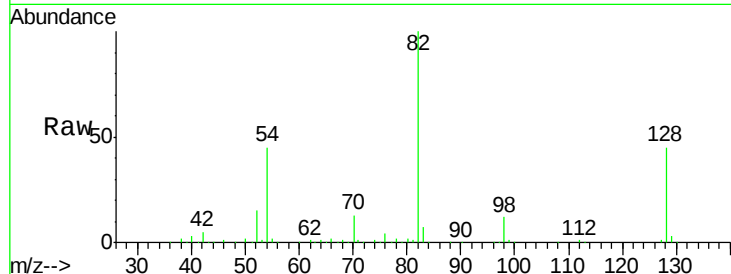
#23
Nitrobenzene-d5
Concen: 97.414 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	45.3	41.4	62.2

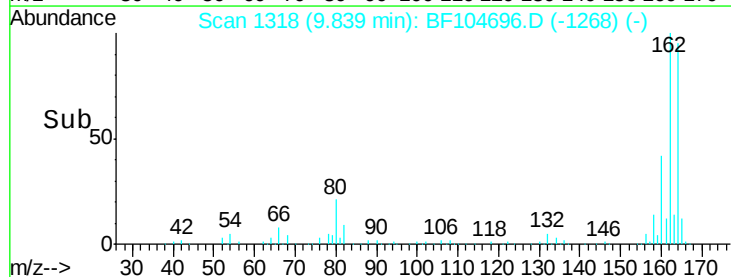
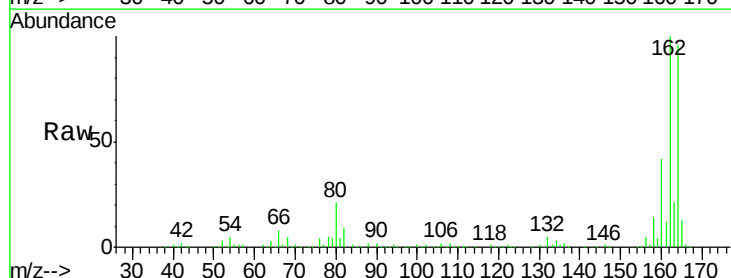
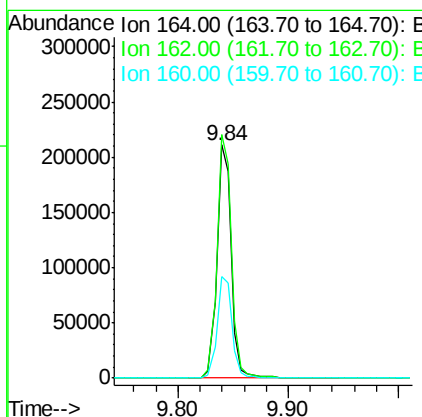
Manual Integrations
APPROVED

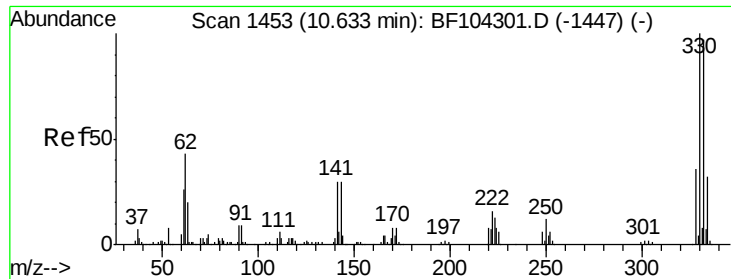
Sohil
4/23/2018 2:18:51 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	43.8	38.3	57.5





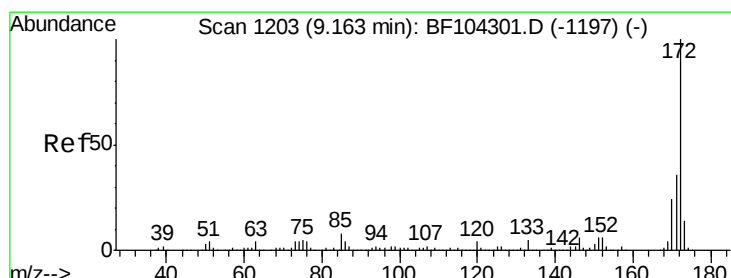
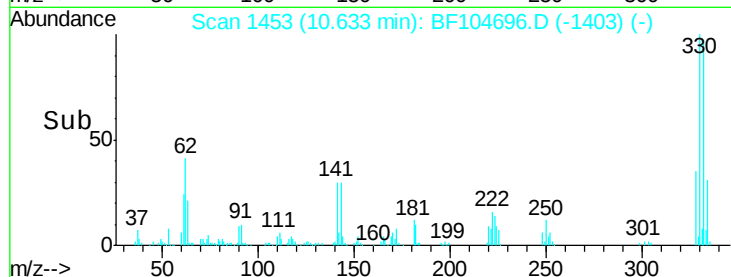
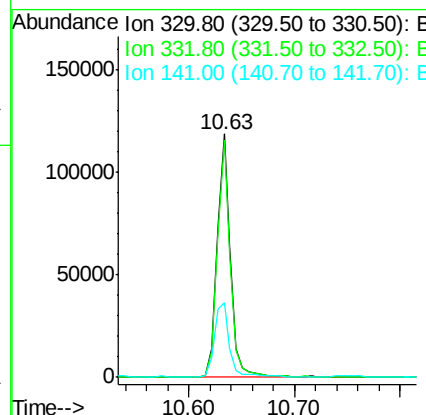
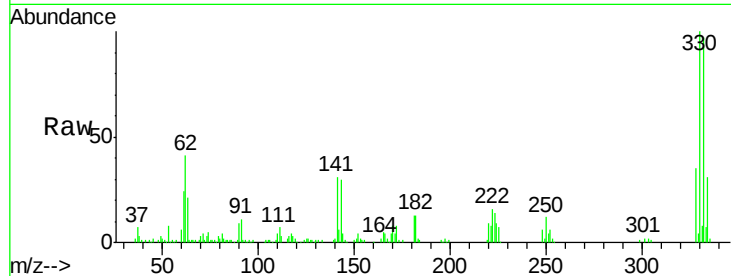
#41
 2,4,6-Tribromophenol
 Concen: 54.379 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Instrument :
 BNA_F
 ClientSampleId :
 T-14 0.5-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	77.0	115.6	
141	33.9	29.9	44.9	

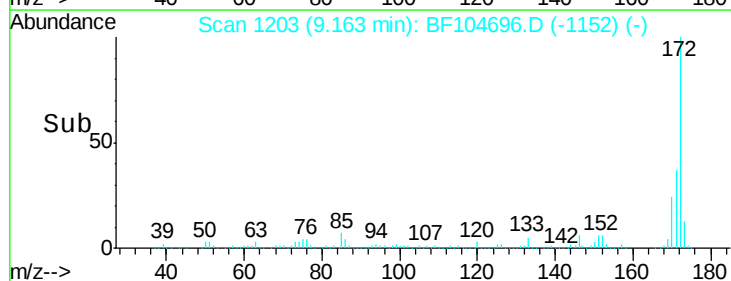
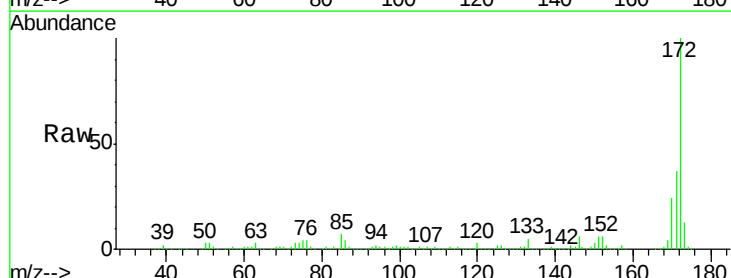
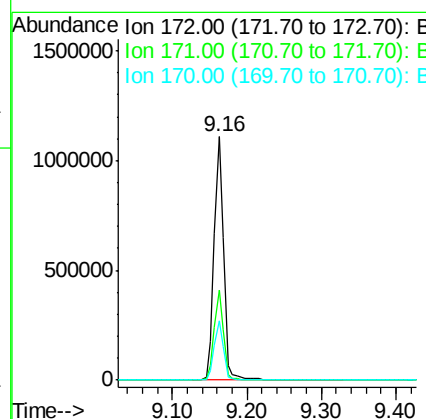
Manual Integrations
 APPROVED

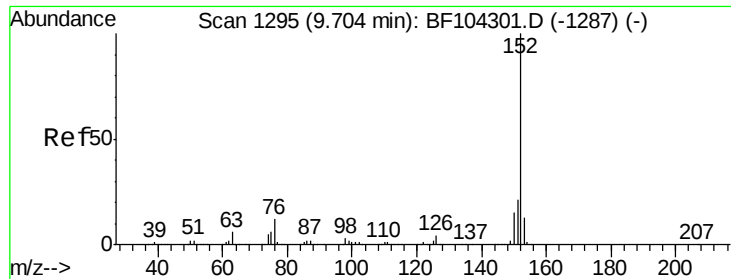
Sohil
 4/23/2018 2:18:51 PM



#44
 2-Fluorobiphenyl
 Concen: 82.930 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.8	29.7	44.5	
170	24.2	19.6	29.4	





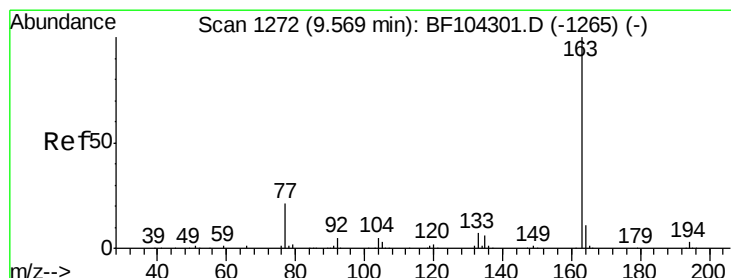
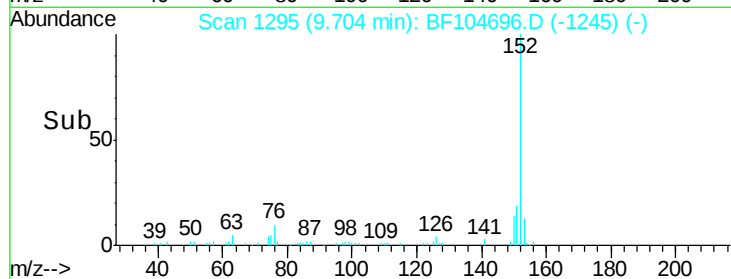
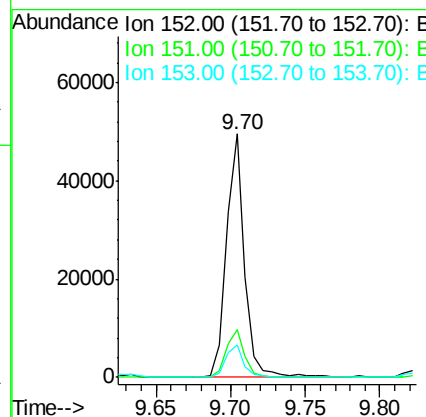
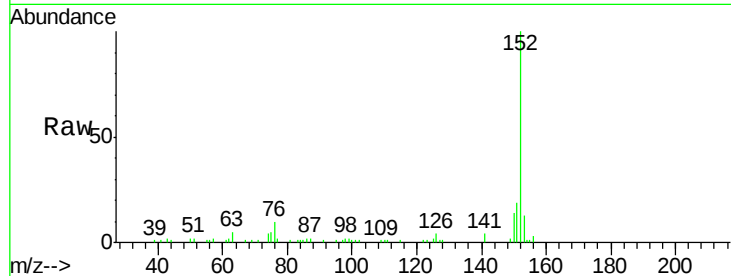
#48
Acenaphthylene
Concen: 2.158 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	13.1	10.7	16.1

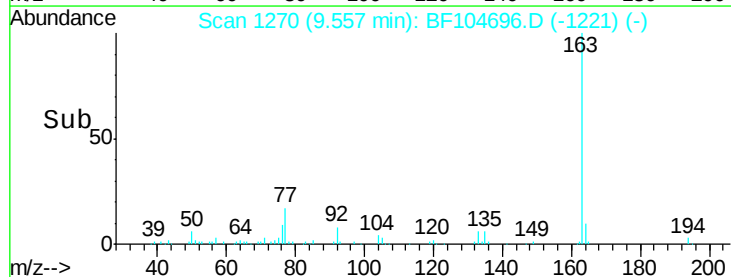
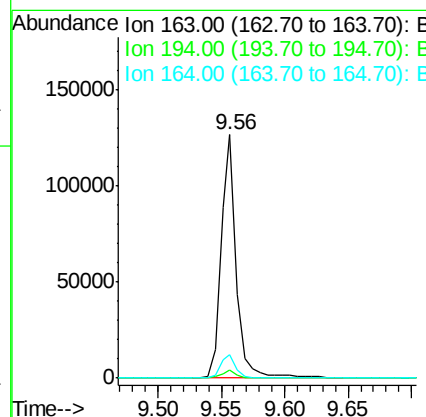
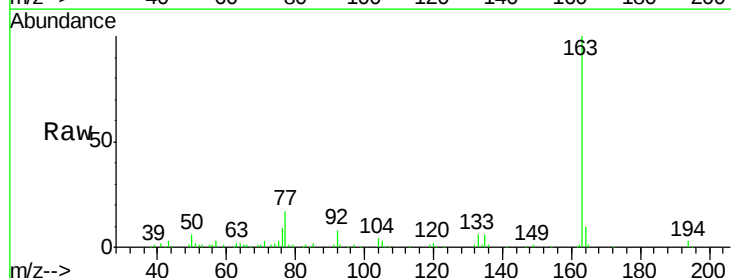
Manual Integrations
APPROVED

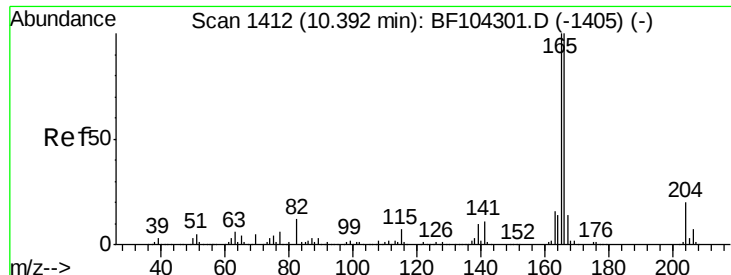
Sohil
4/23/2018 2:18:51 PM



#49
Dimethylphthalate
Concen: 7.180 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.8	8.2	12.2





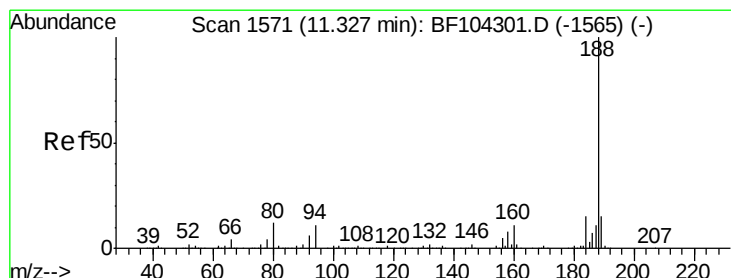
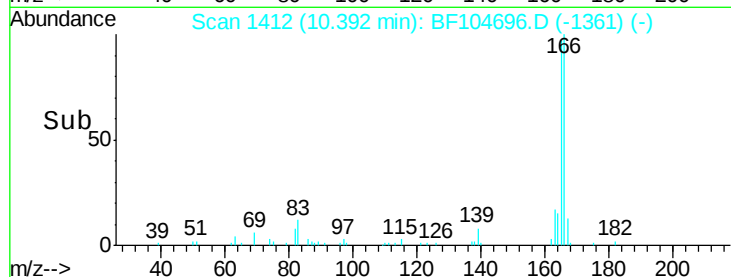
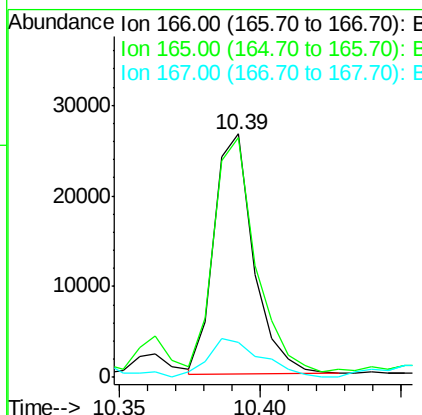
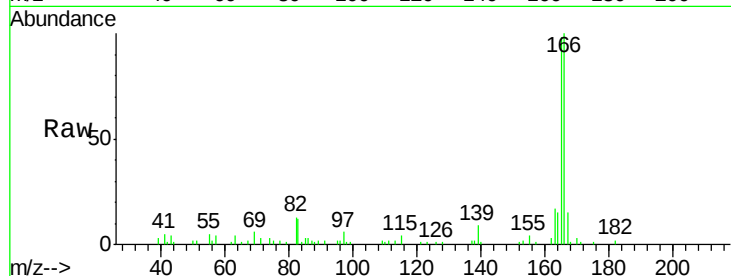
#57
Fluorene
 Concen: 2.137 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Instrument :
 BNA_F
 ClientSampleId :
 T-14 0.5-10

Tot Ion	Ratio	Resp	Lower	Upper
166	100	26039		
165	98.4	79.8	119.8	
167	14.5	10.6	16.0	

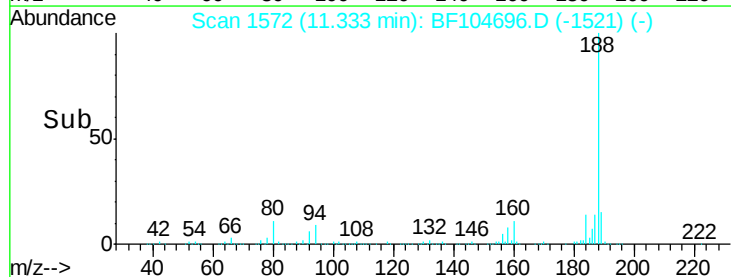
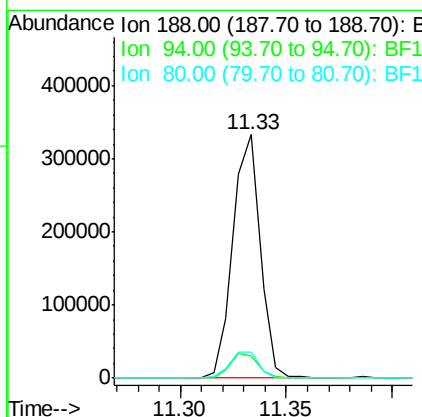
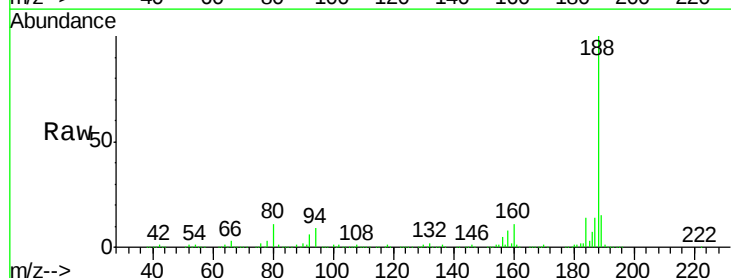
Manual Integrations
 APPROVED

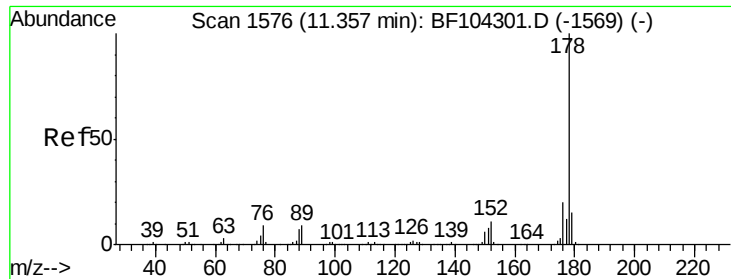
Sohil
 4/23/2018 2:18:51 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	298006		
94	9.1	8.5	12.7	
80	10.6	9.2	13.8	





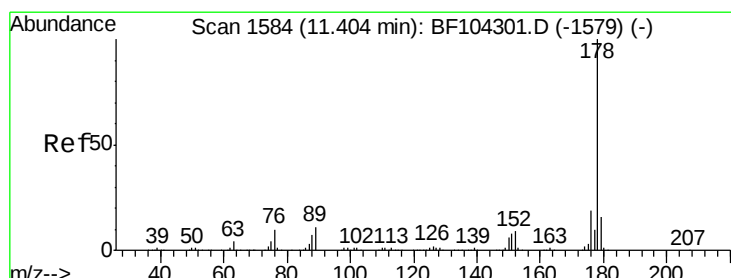
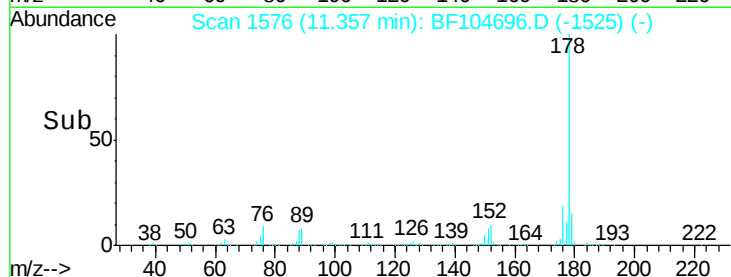
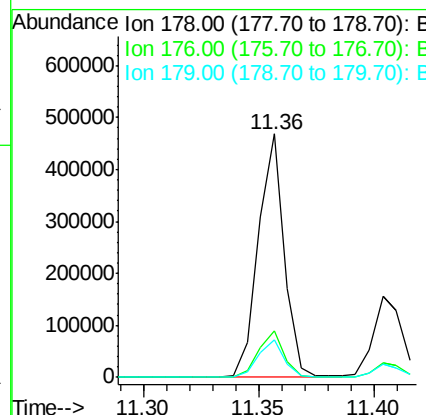
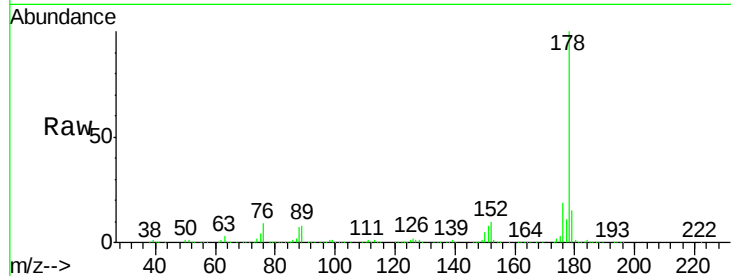
#70
 Phenanthrene
 Concen: 22.228 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Instrument :
 BNA_F
 ClientSampleId :
 T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	13.0	19.6

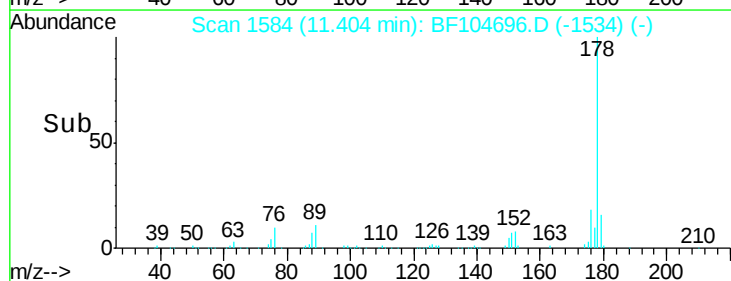
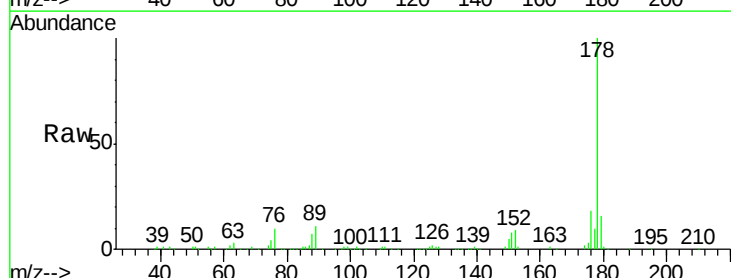
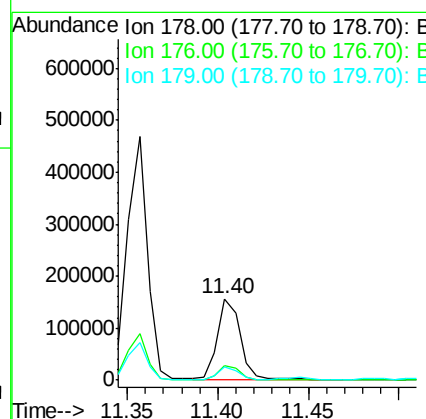
Manual Integrations
 APPROVED

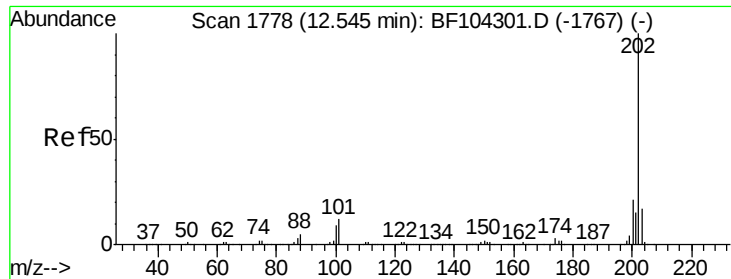
Sohil
 4/23/2018 2:18:51 PM



#71
 Anthracene
 Concen: 8.122 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 33.510 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF104696.D

Acq: 21 Apr 2018 1:58

Instrument :

BNA_F

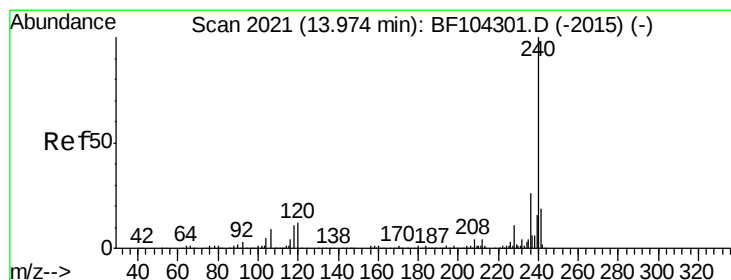
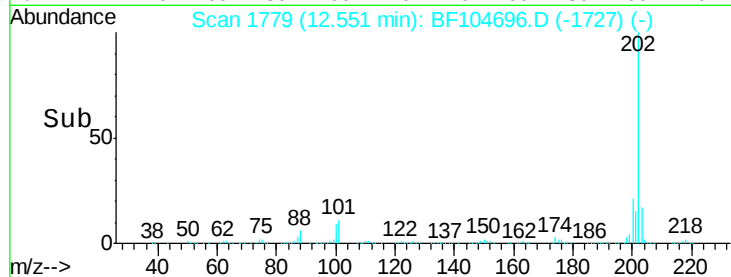
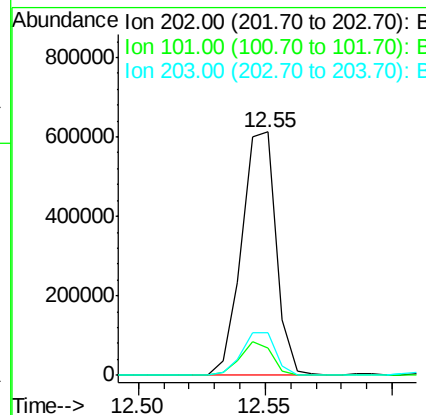
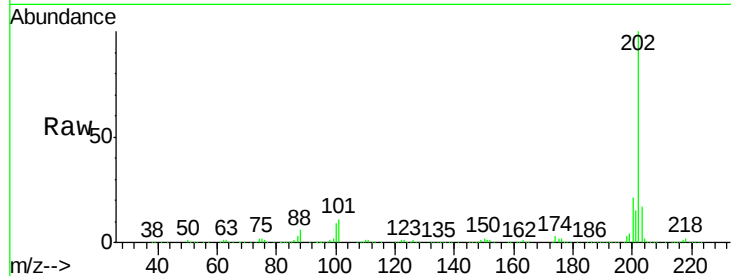
ClientSampleId :

T-14 0.5-10

Tot Ion:	202	Resp:	581048
Ion Ratio		Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:51 PM



#75

Chrysene-d12

Concen: 20.000 ng

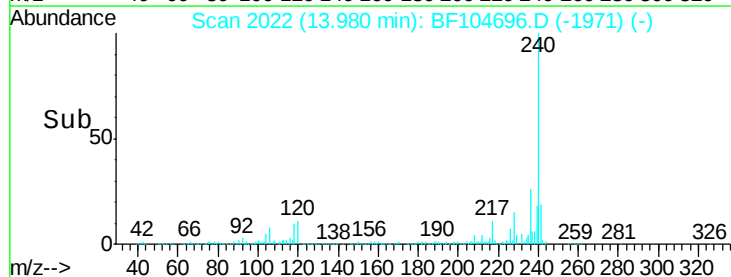
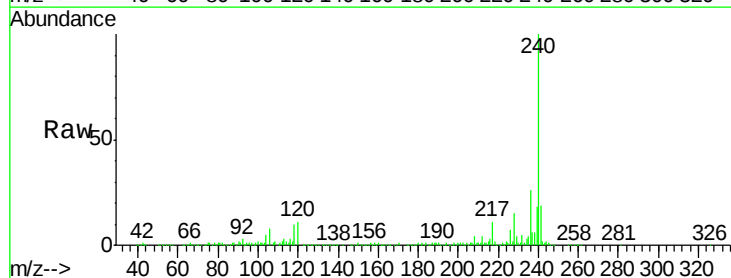
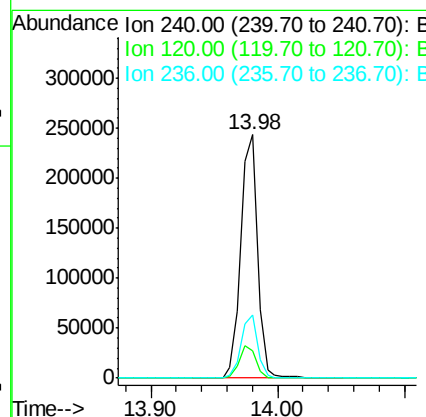
RT: 13.98 min Scan# 2022

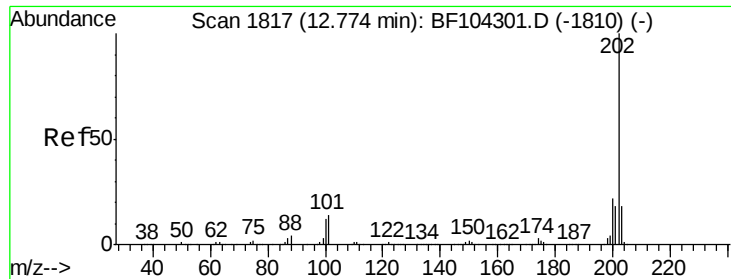
Delta R.T. -0.00 min

Lab File: BF104696.D

Acq: 21 Apr 2018 1:58

Tgt Ion:	240	Resp:	221428
Ion Ratio		Lower	Upper
240	100		
120	11.0	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 29.593 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104696.D

Acq: 21 Apr 2018 1:58

Instrument :

BNA_F

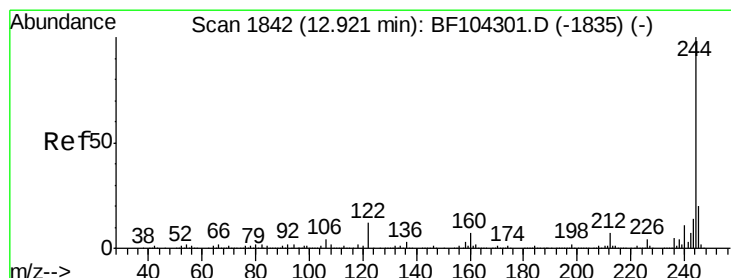
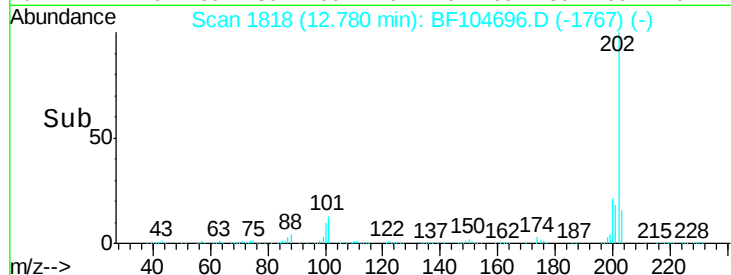
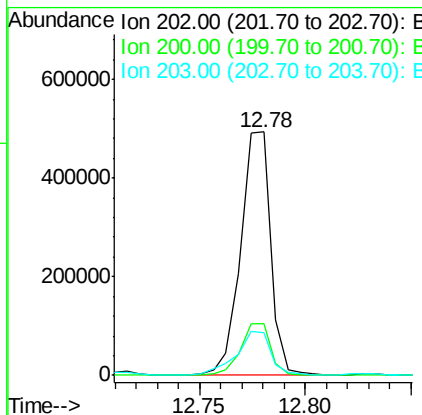
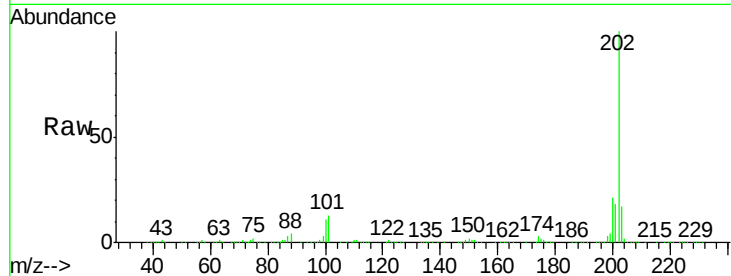
ClientSampleId :

T-14 0.5-1.0

Tot Ion:	202	Resp:	485714
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:51 PM



#78

Terphenyl-d14

Concen: 75.128 ng

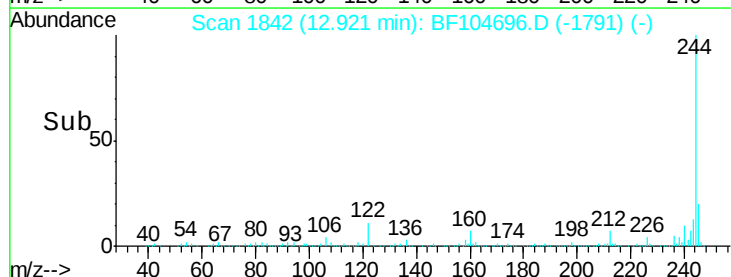
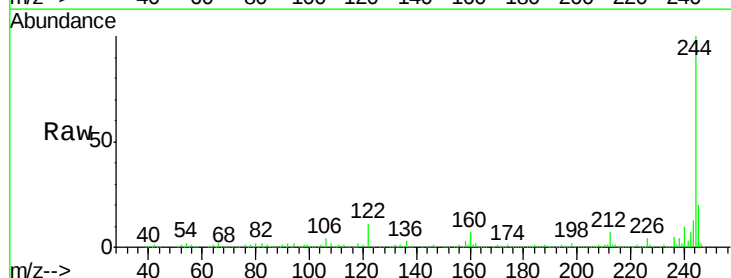
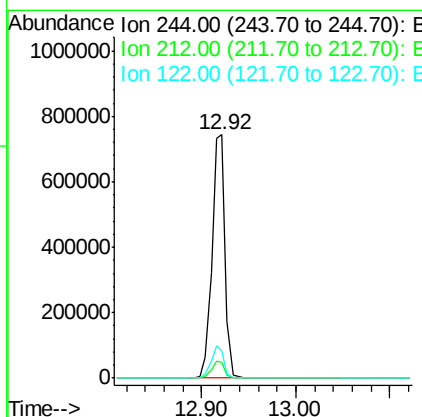
RT: 12.92 min Scan# 1842

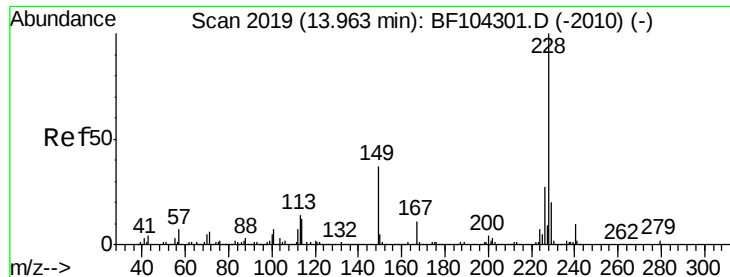
Delta R.T. -0.00 min

Lab File: BF104696.D

Acq: 21 Apr 2018 1:58

Tgt Ion:	244	Resp:	729681
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.3	11.0	16.4





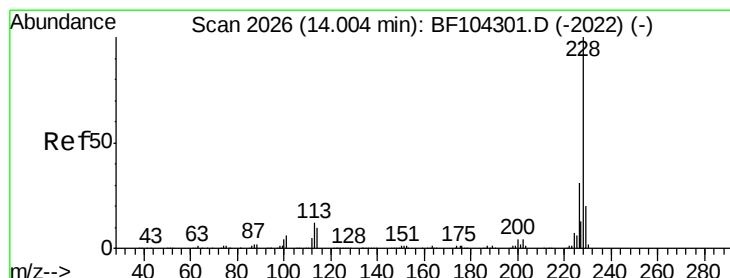
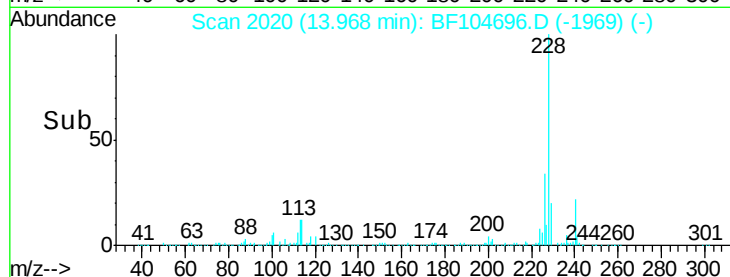
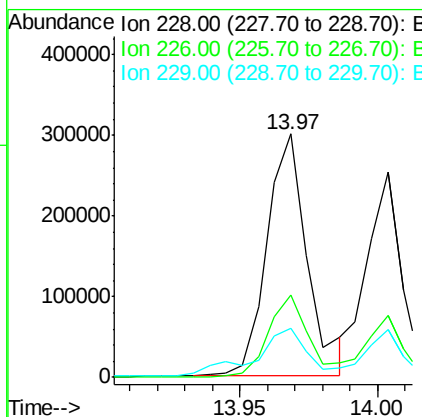
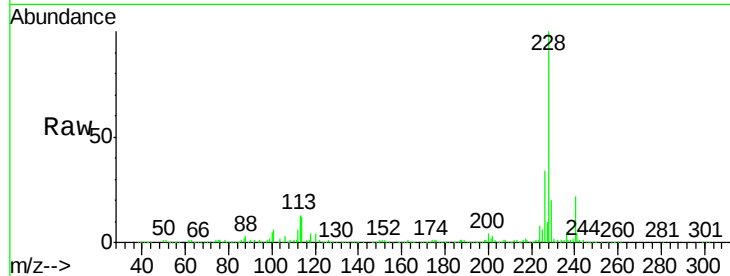
#80
Benzo(a)anthracene
Concen: 23.477 ng m
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.6	33.8#
229	20.4	15.8	23.6

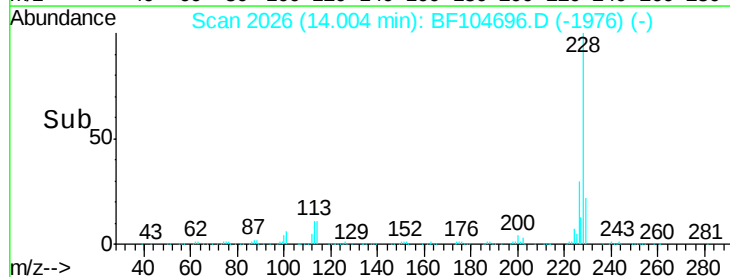
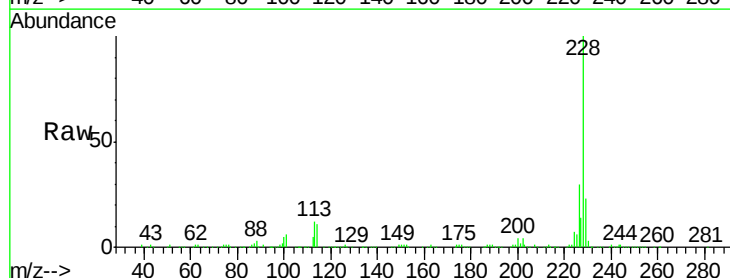
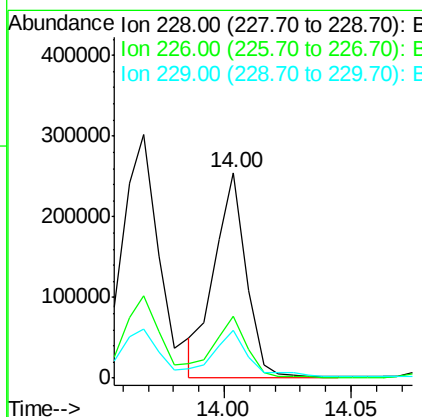
Manual Integrations
APPROVED

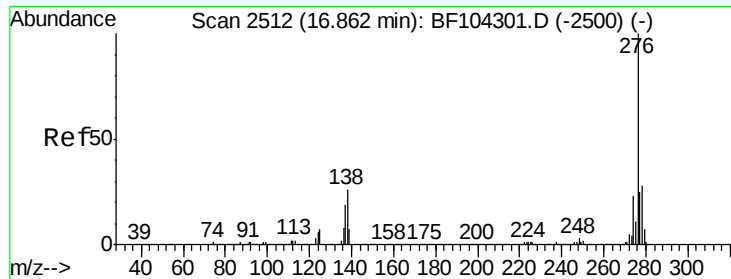
Sohil
4/23/2018 2:18:51 PM



#82
Chrysene
Concen: 16.288 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.0	16.2	24.4





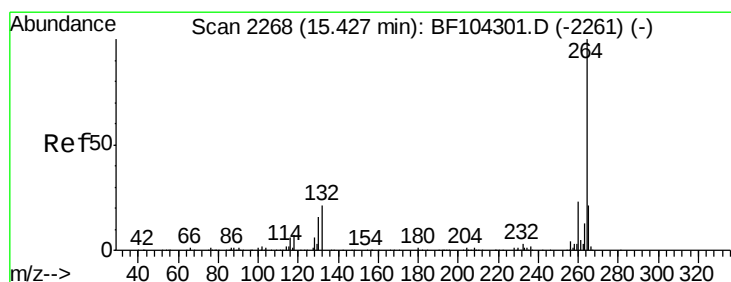
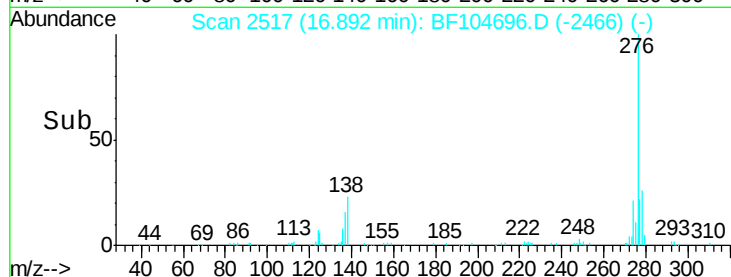
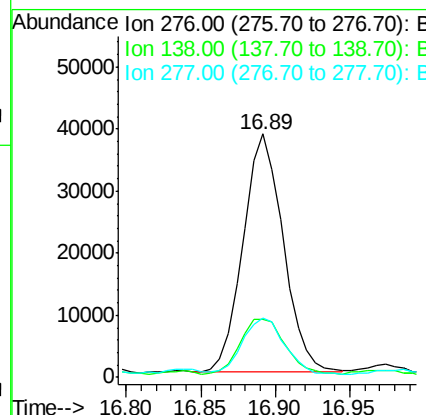
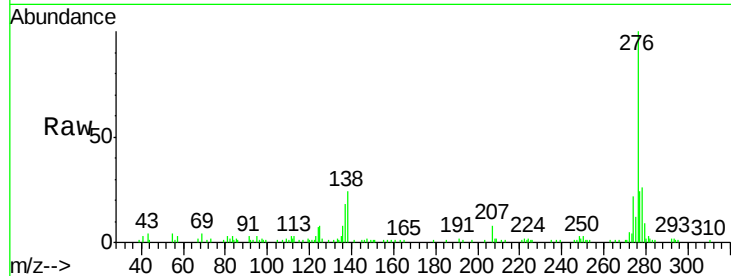
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.155 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.0	37.6
277	25.2	20.1	30.1

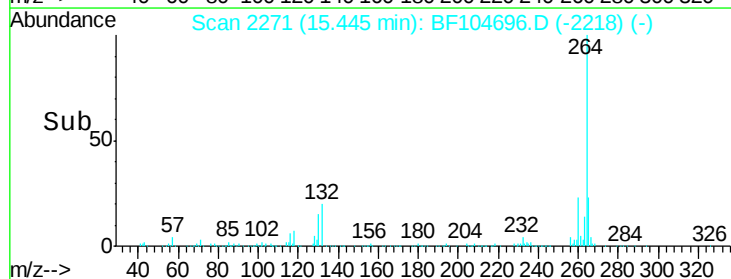
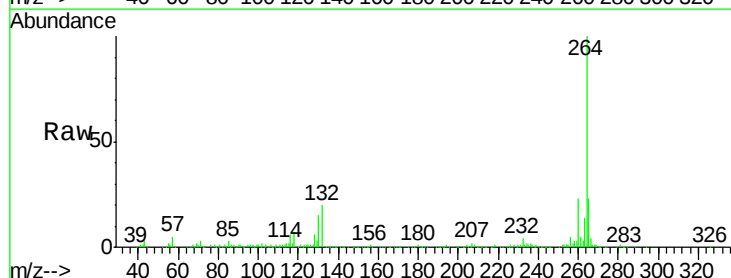
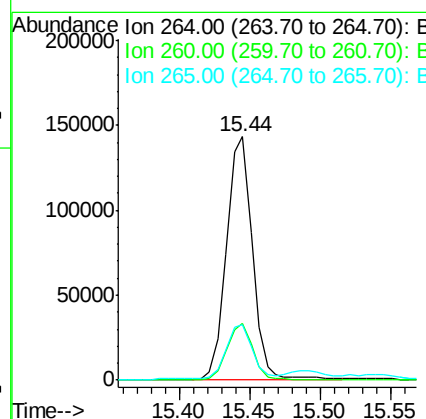
Manual Integrations
APPROVED

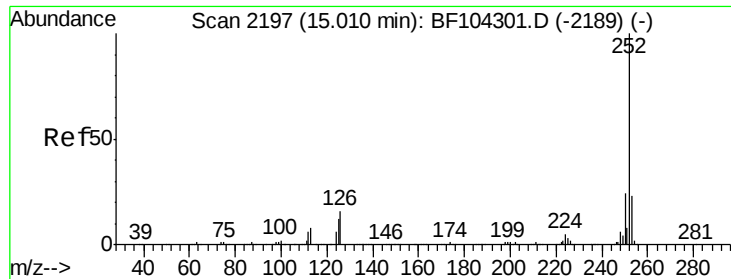
Sohil
4/23/2018 2:18:51 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.8	17.5	26.3





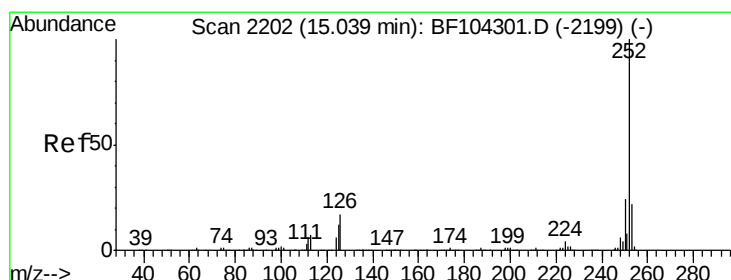
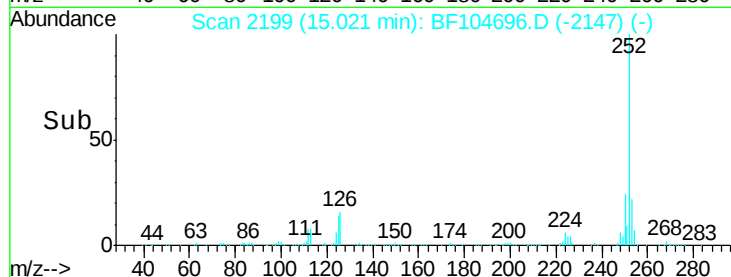
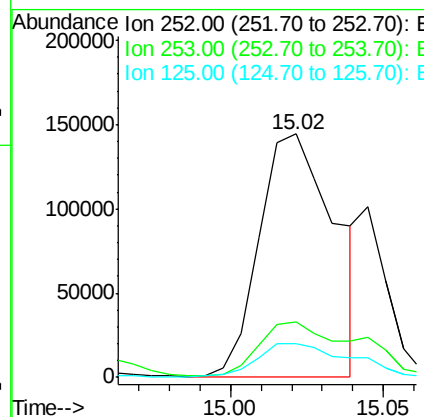
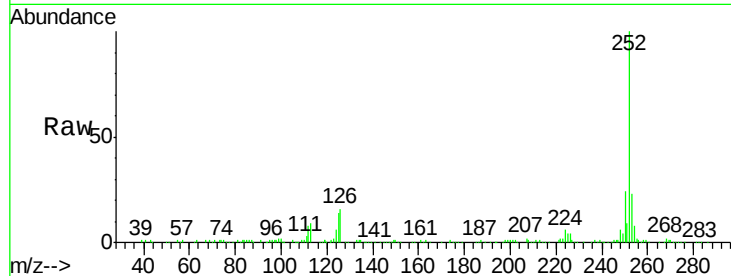
#87
Benzo(b)fluoranthene
Concen: 21.328 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	14.0	9.0	13.6

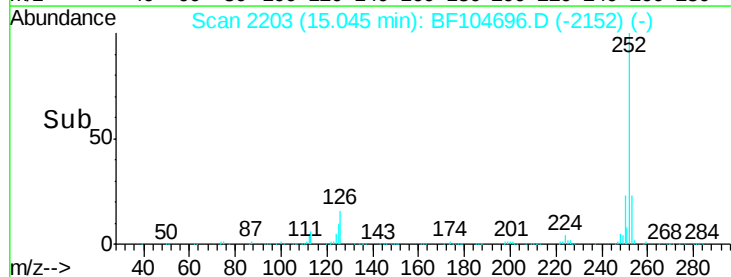
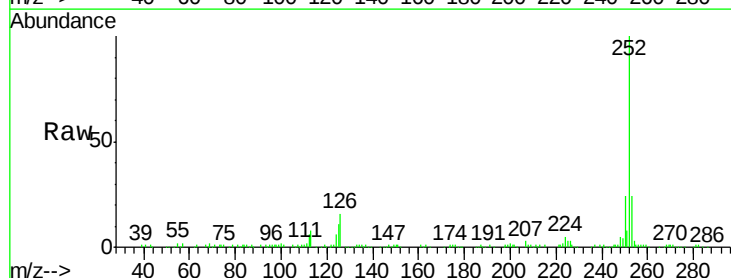
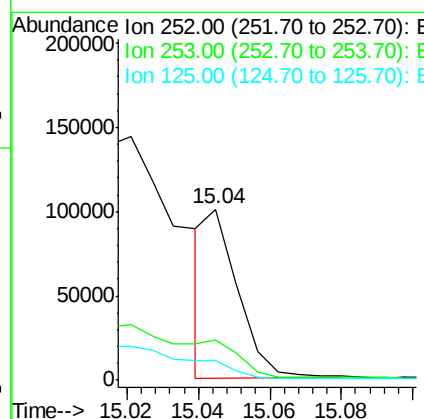
Manual Integrations
APPROVED

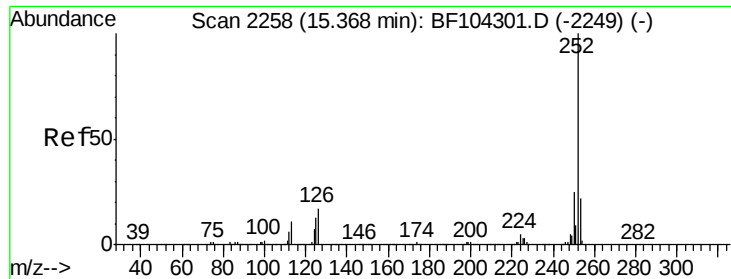
Sohil
4/23/2018 2:18:51 PM



#88
Benzo(k)fluoranthene
Concen: 5.743 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.1	10.2	15.2





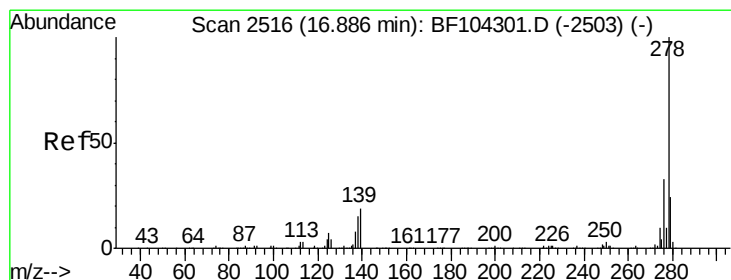
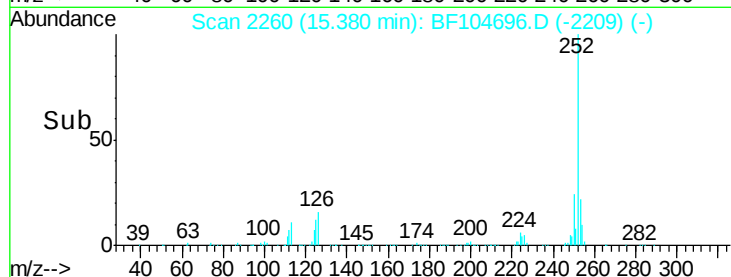
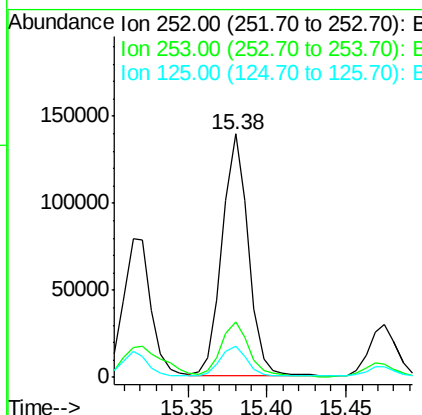
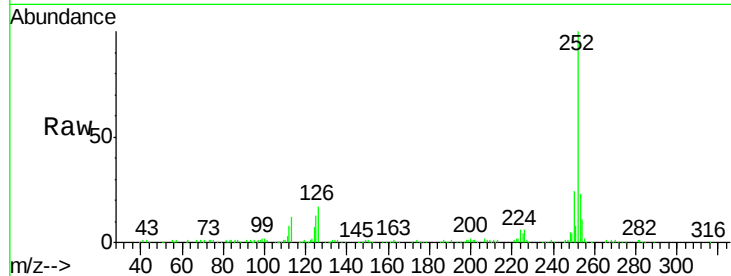
#89
Benzo(a)pyrene
Concen: 15.549 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Instrument :
BNA_F
ClientSampleId :
T-14 0.5-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.9	9.8	14.6

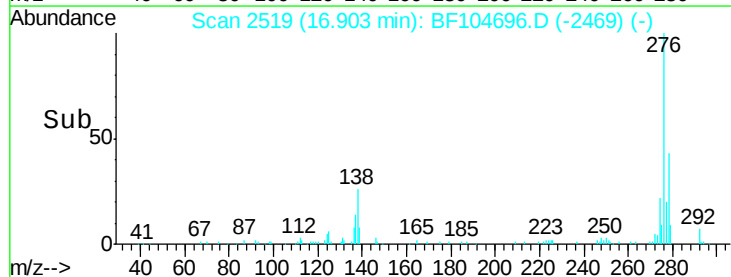
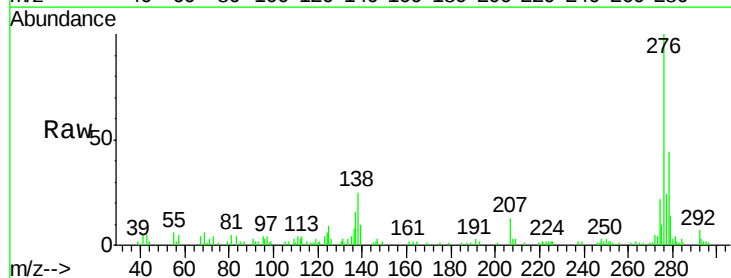
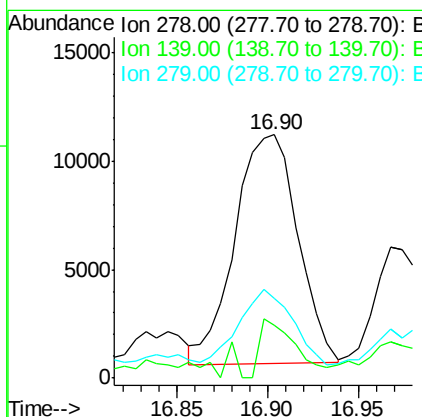
Manual Integrations
APPROVED

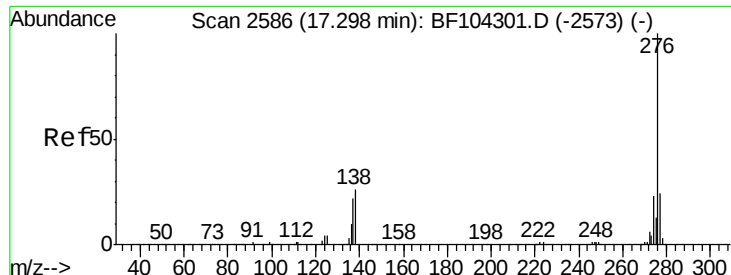
Sohil
4/23/2018 2:18:51 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.005 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104696.D
Acq: 21 Apr 2018 1:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.7	15.9	23.9
279	32.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.189 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. -0.00 min
 Lab File: BF104696.D
 Acq: 21 Apr 2018 1:58

Instrument :
 BNA_F
 ClientSampleId :
 T-14 0.5-10

Tot Ion:	276	Resp:	58964
Ion Ratio	Lower	Upper	
276	100		
277	22.6	17.9	26.9
138	25.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 2:18:51 PM

