

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104695.D
 Acq On : 21 Apr 2018 1:32
 Operator : JU/SJ
 Sample : J2453-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Manual Integrations
 APPROVED

Sohil
 4/23/2018 2:18:48 PM

Quant Time: Apr 21 05:06:16 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	118682	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	455309	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	181720	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	284487	20.00	ng	0.00
75) Chrysene-d12	13.97	240	232108	20.00	ng	0.00
86) Perylene-d12	15.44	264	178988	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	713293	91.90	ng	0.00
7) Phenol-d6	6.45	99	926728	97.17	ng	0.00
23) Nitrobenzene-d5	7.37	82	711690	102.07	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	134556	71.38	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1025806	89.18	ng	0.00
78) Terphenyl-d14	12.92	244	787699	77.37	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.80	142	48404	3.301	ng	98
49) Dimethylphthalate	9.56	163	106840	7.456	ng	99
70) Phenanthrene	11.36	178	272838	17.221	ng	98
71) Anthracene	11.40	178	42062	2.612	ng	98
74) Fluoranthene	12.55	202	74107	4.477	ng	94
77) Pyrene	12.78	202	223739	13.005	ng	99
80) Benzo(a)anthracene	13.96	228	62509m	4.508	ng	
82) Chrysene	14.00	228	75248	5.283	ng	96
87) Benzo(b)fluoranthene	15.02	252	35556m	3.145	ng	
89) Benzo(a)pyrene	15.37	252	33434	3.305	ng	# 90
91) Benzo(g,h,i)perylene	17.33	276	26280	3.265	ng	95

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

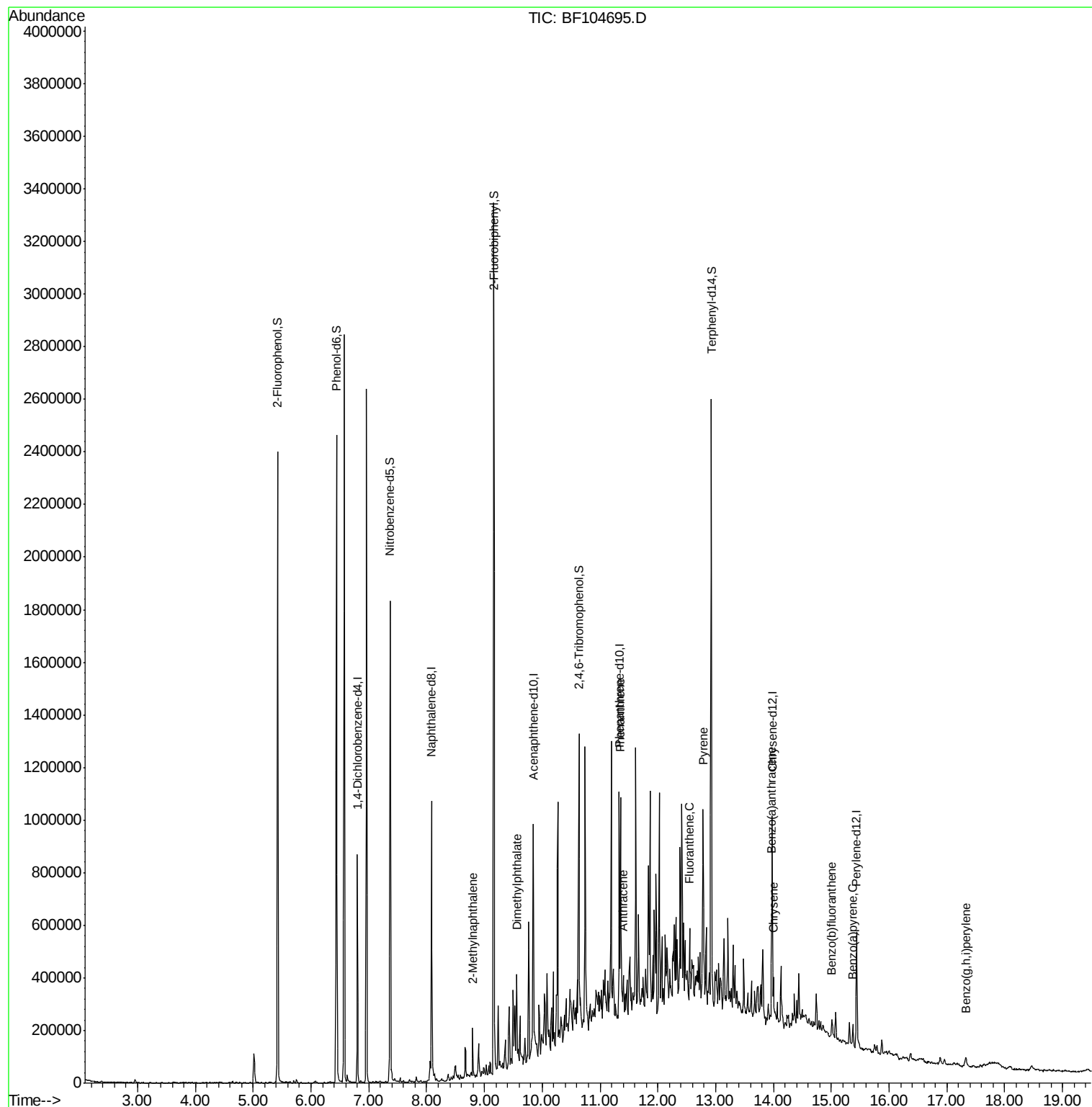
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
Data File : BF104695.D
Acq On : 21 Apr 2018 1:32
Operator : JU/SJ
Sample : J2453-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

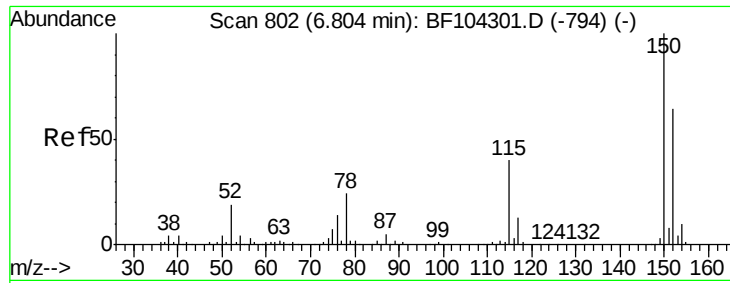
Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:48 PM

Quant Time: Apr 21 05:06:16 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

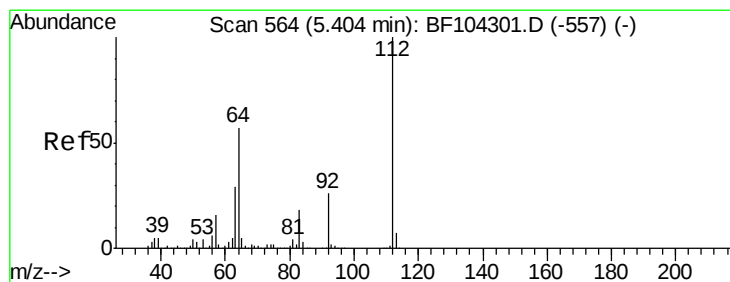
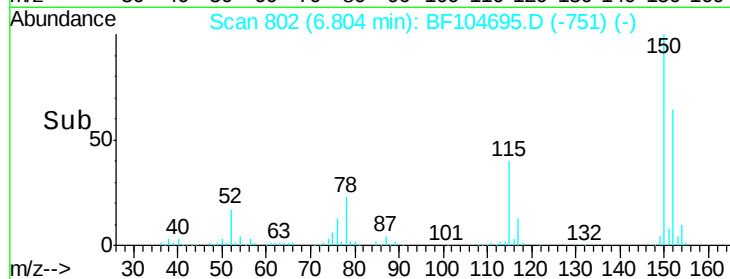
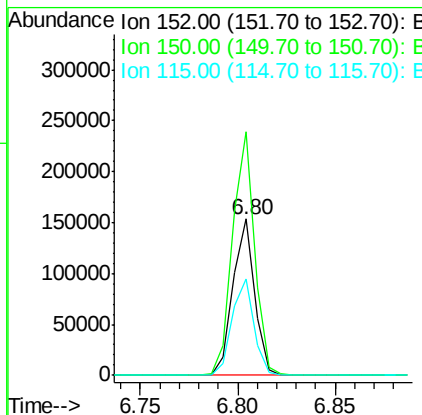
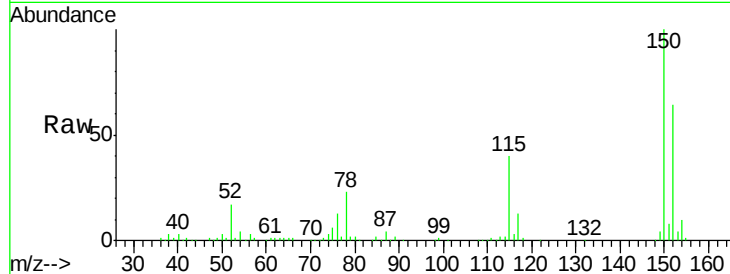
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.9	50.1	75.1

Manual Integrations
APPROVED

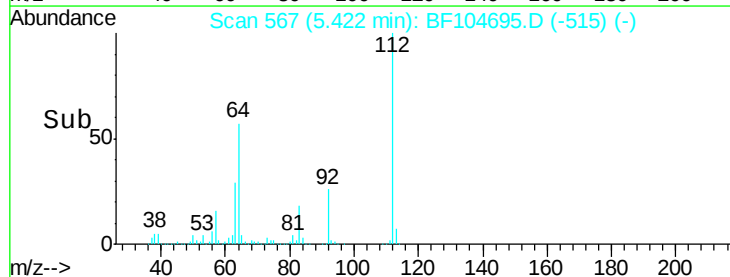
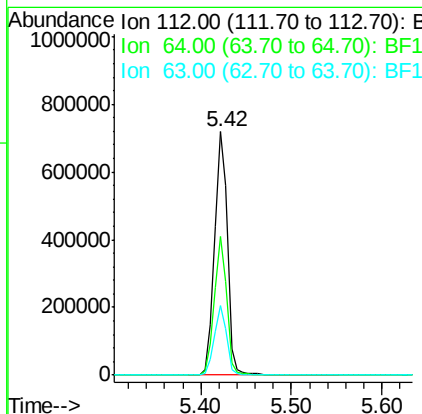
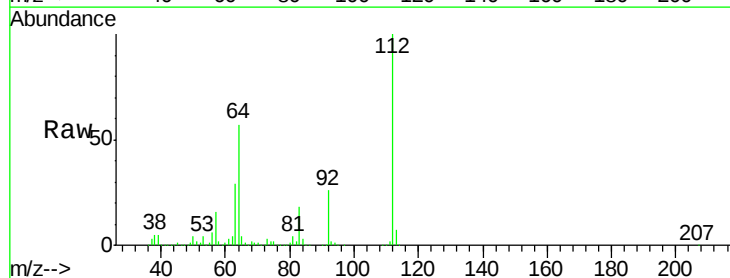
Sohil
4/23/2018 2:18:48 PM



#5

2-Fluorophenol
Concen: 91.898 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 97.175 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

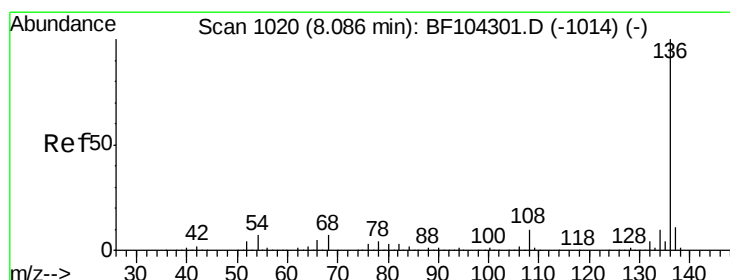
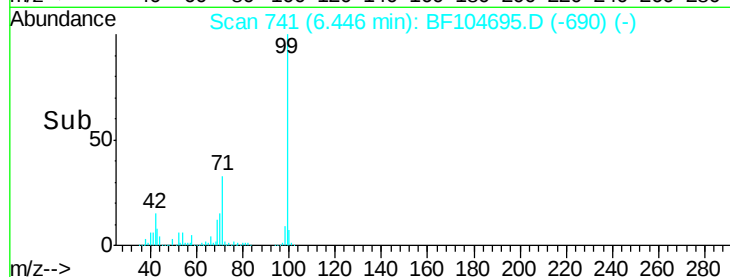
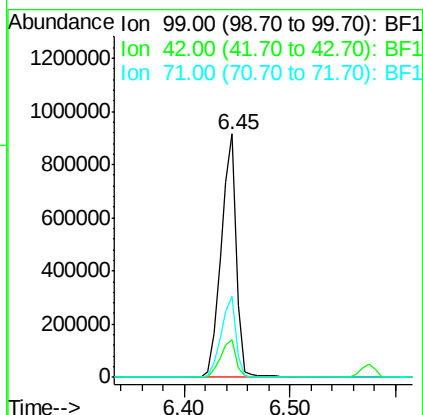
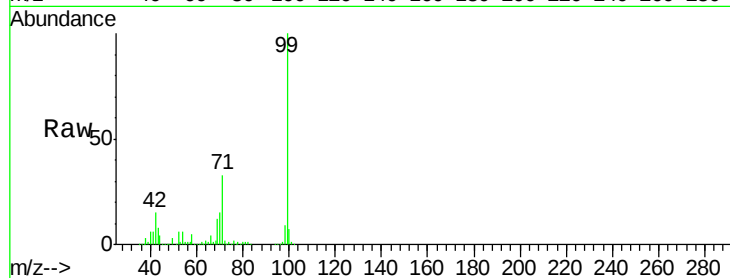
ClientSampleId :

T-13 0.5-1.0

Tot Ion:	99	Resp:	926728
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	33.5	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:48 PM



#21

Naphthalene-d8

Concen: 20.000 ng

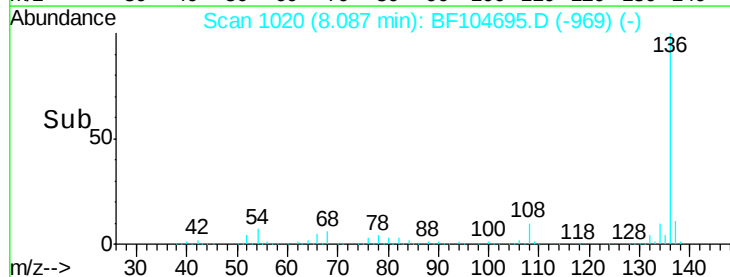
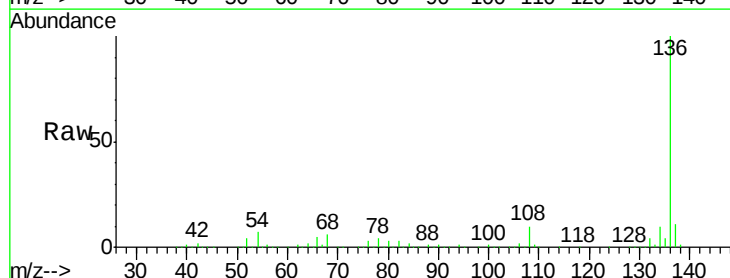
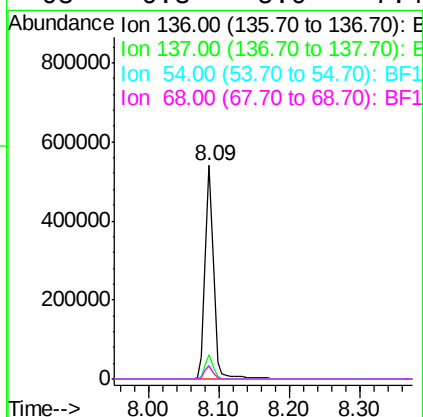
RT: 8.09 min Scan# 1020

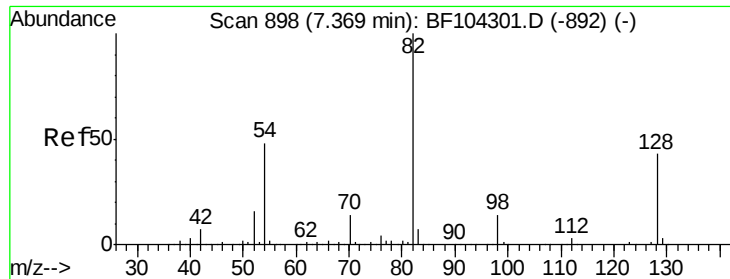
Delta R.T. 0.00 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Tgt Ion:	136	Resp:	455309
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	6.6	6.6	9.8
68	6.3	5.0	7.4





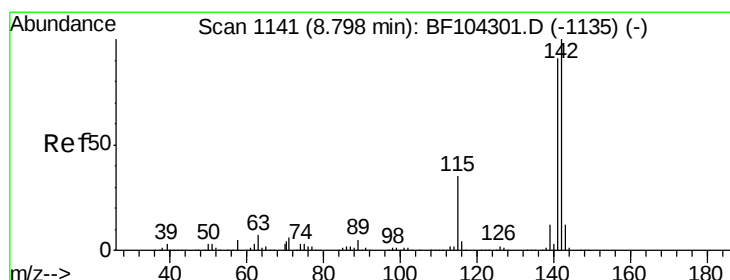
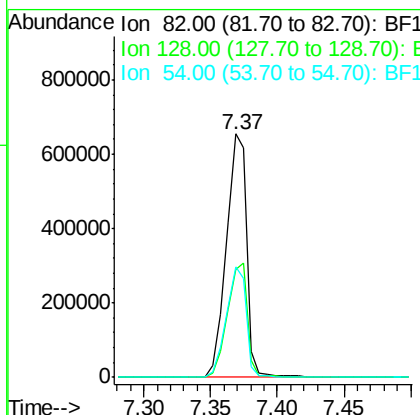
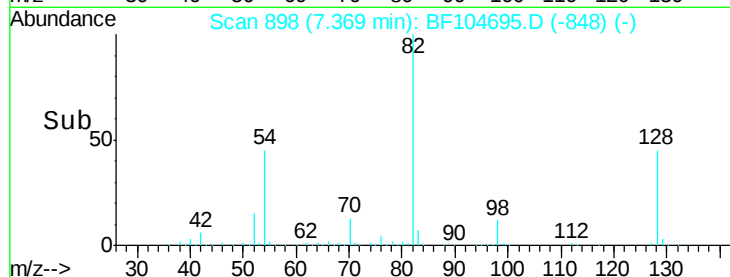
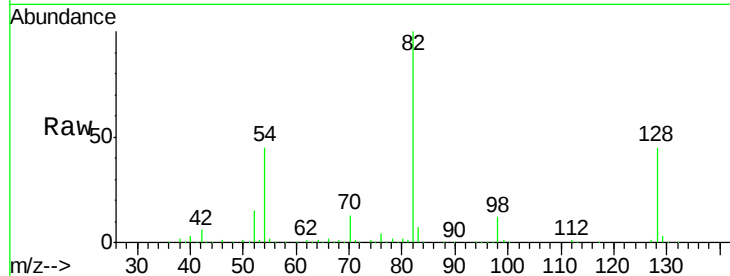
#23
Nitrobenzene-d5
Concen: 102.067 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	45.4	41.4	62.2

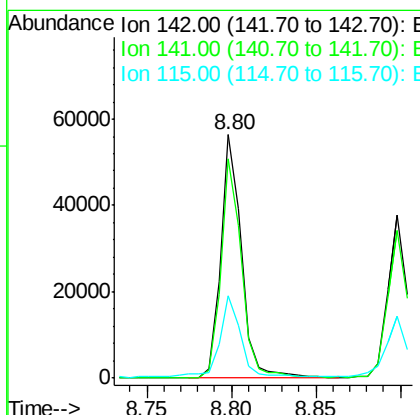
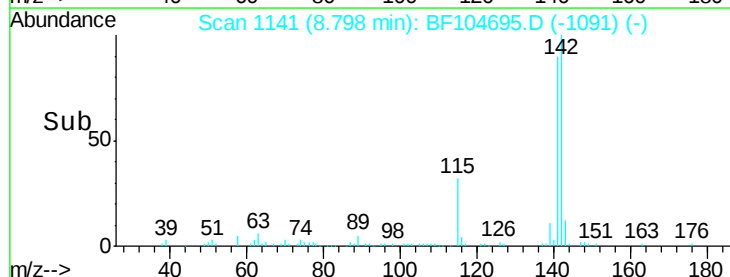
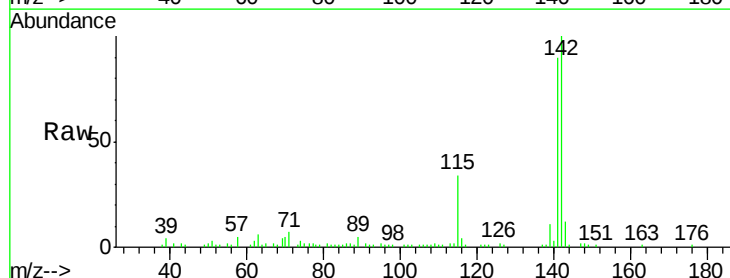
Manual Integrations
APPROVED

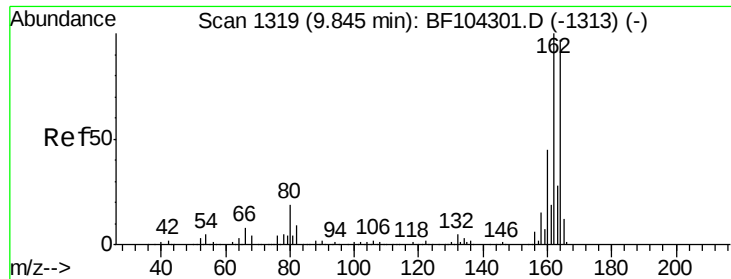
Sohil
4/23/2018 2:18:48 PM



#37
2-Methylnaphthalene
Concen: 3.301 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.6	26.1	39.1





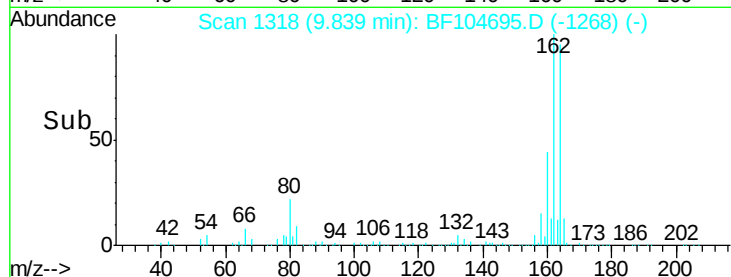
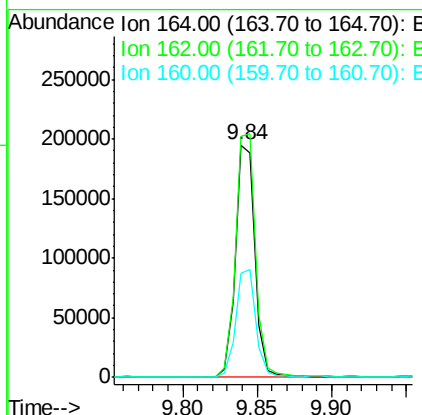
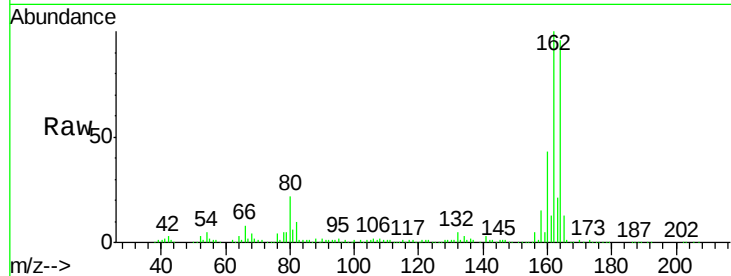
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampled :
 T-13 0.5-1.0

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	86.1	129.1	
160	45.0	38.3	57.5	

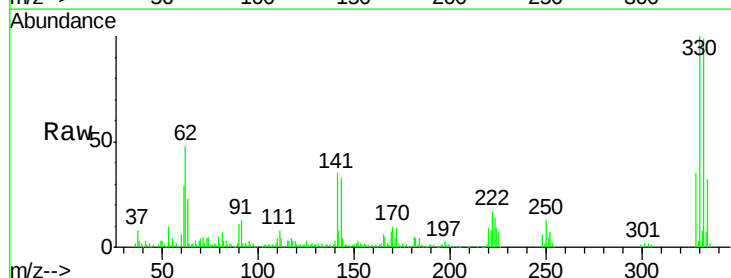
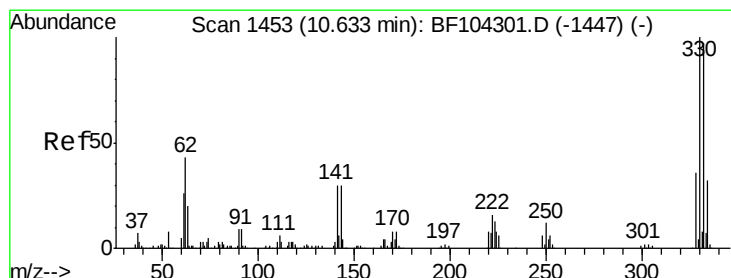
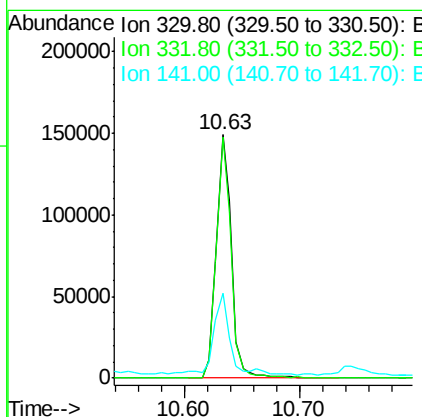
Manual Integrations
 APPROVED

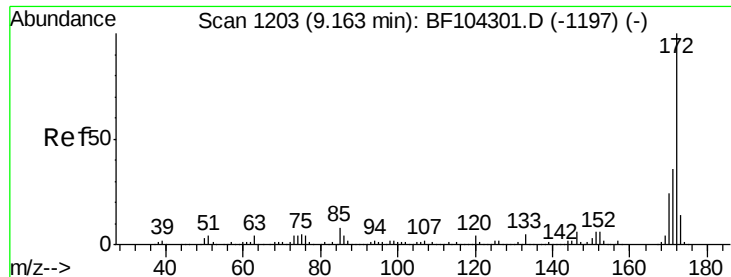
Sohil
 4/23/2018 2:18:48 PM



#41
 2,4,6-Tribromophenol
 Concen: 71.381 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	37.9	29.9	44.9	





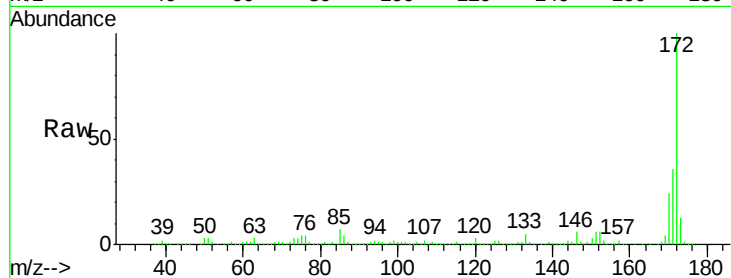
#44
2-Fluorobiphenyl
Concen: 89.177 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

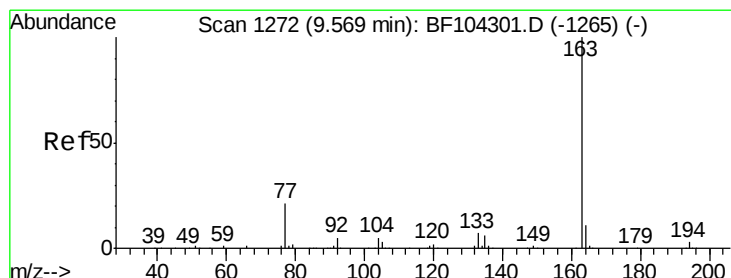
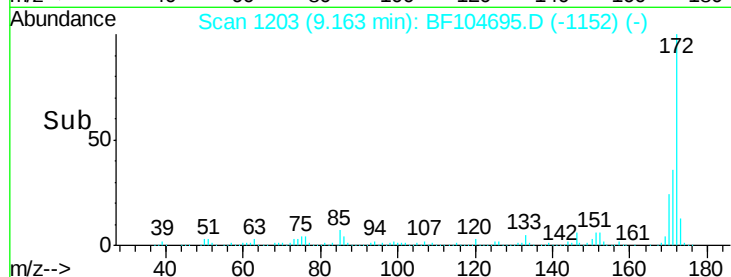
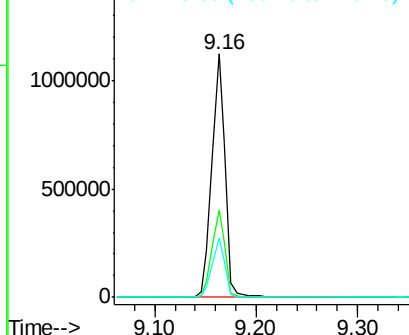
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	24.1	19.6	29.4	

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:48 PM

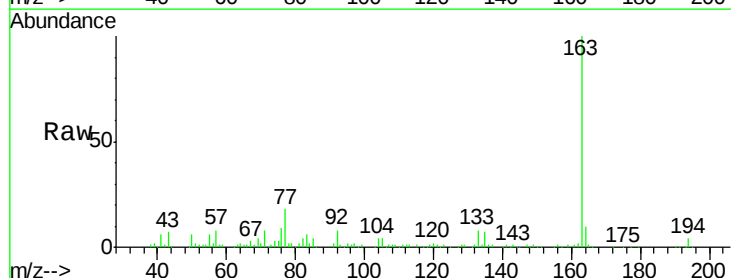


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

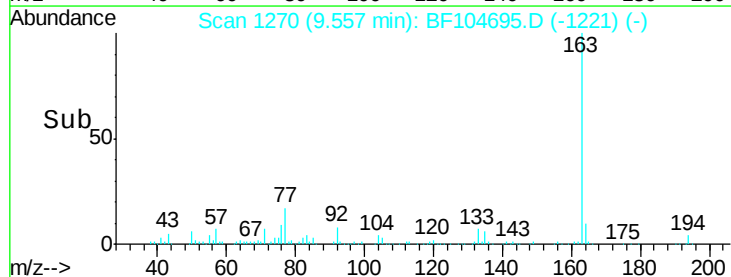
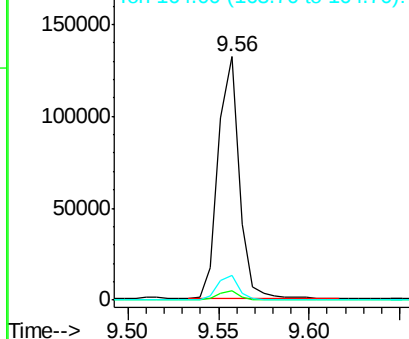


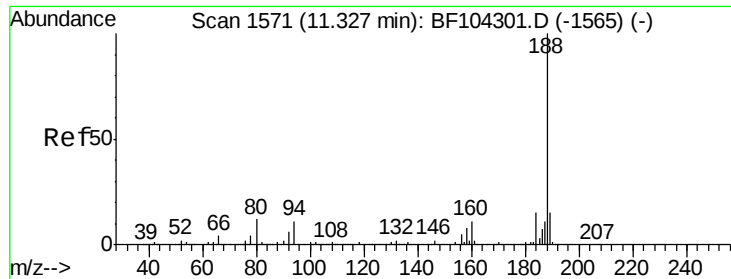
#49
Dimethylphthalate
Concen: 7.456 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.8	2.7	4.1	
164	10.1	8.2	12.2	



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





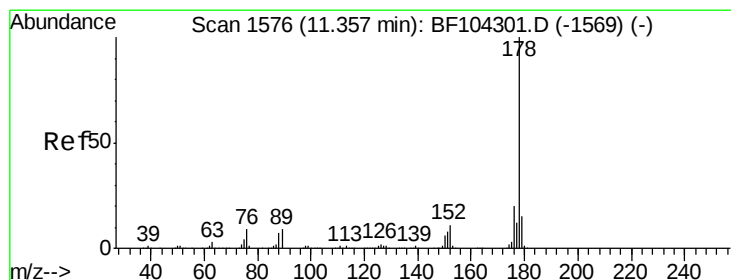
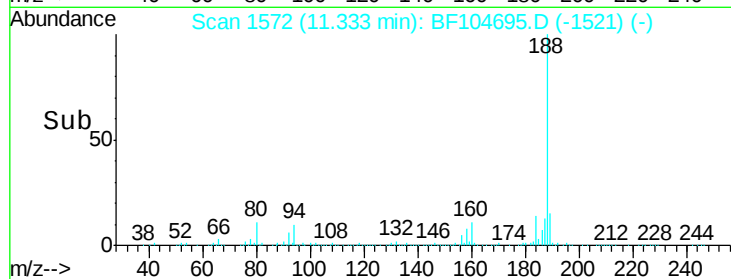
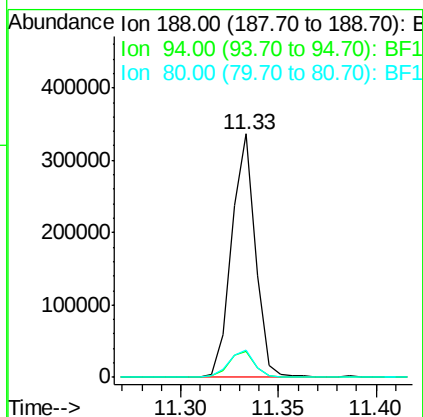
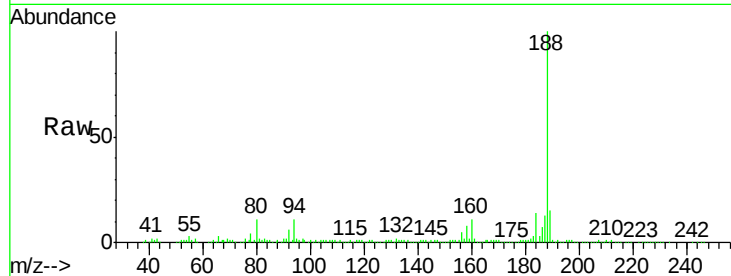
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion	Ratio	Resp	Lower	Upper
188	100	284487		
94	10.5		8.5	12.7
80	11.1		9.2	13.8

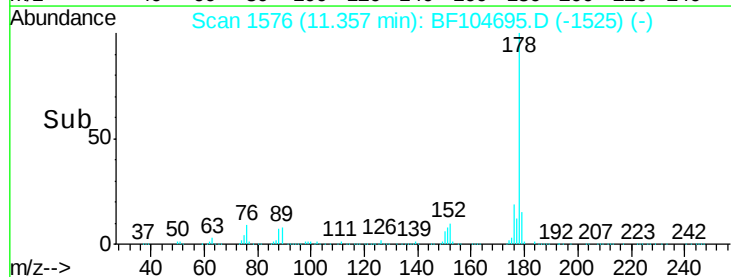
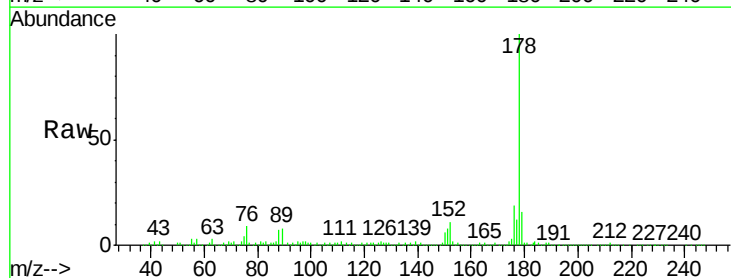
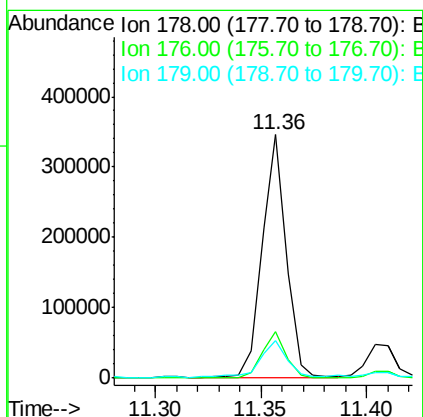
Manual Integrations
APPROVED

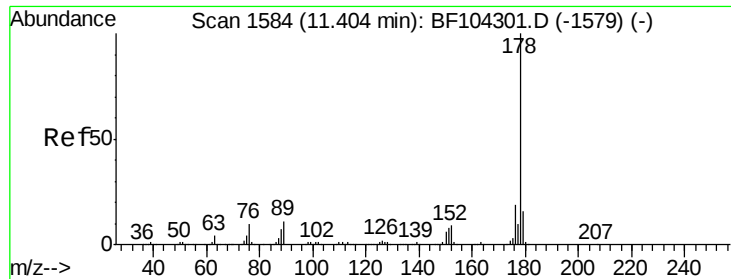
Sohil
4/23/2018 2:18:48 PM



#70
Phenanthrene
Concen: 17.221 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	272838		
176	18.9		15.8	23.8
179	15.7		13.0	19.6





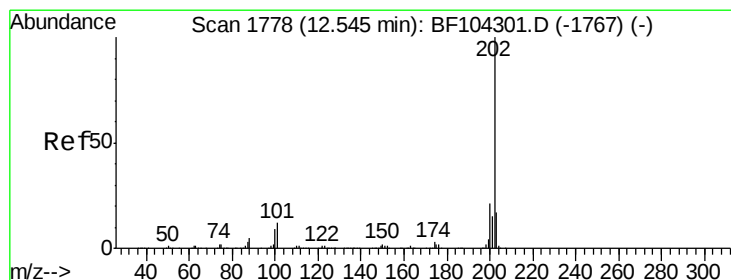
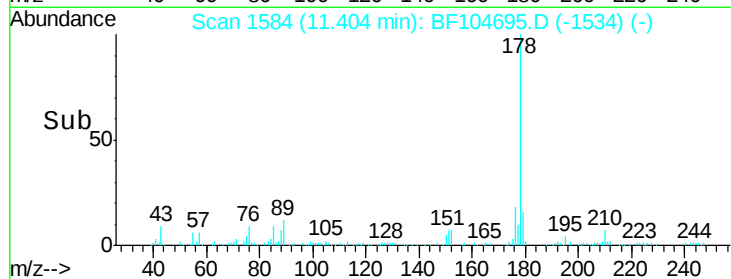
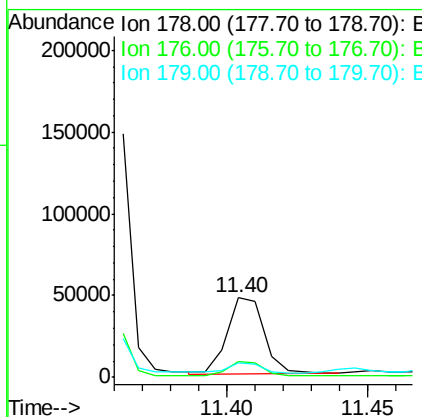
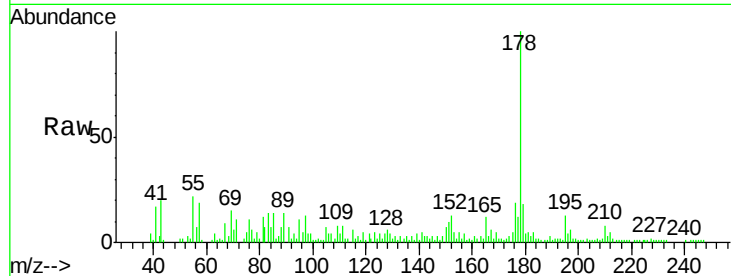
#71
 Anthracene
 Concen: 2.612 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	17.9	12.6	19.0

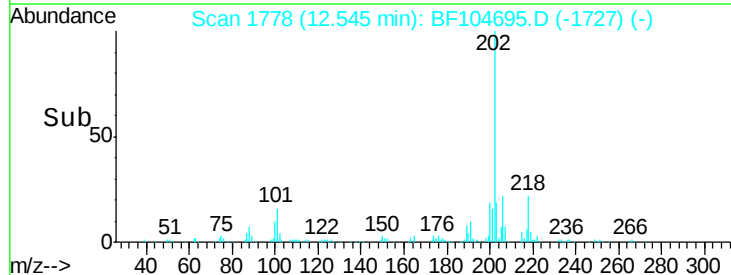
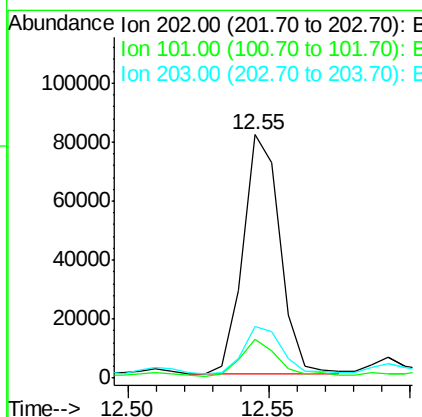
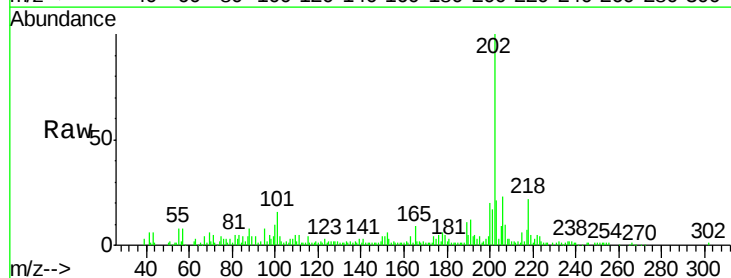
Manual Integrations
 APPROVED

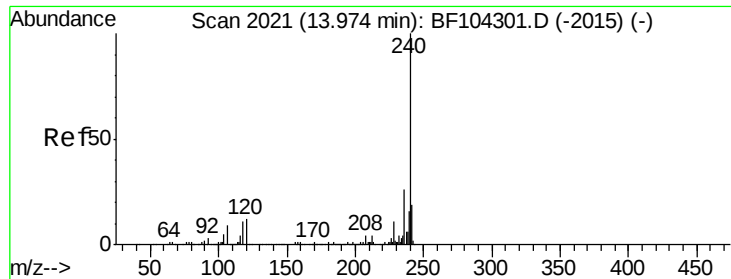
Sohil
 4/23/2018 2:18:48 PM



#74
 Fluoranthene
 Concen: 4.477 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	34.1
203	21.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

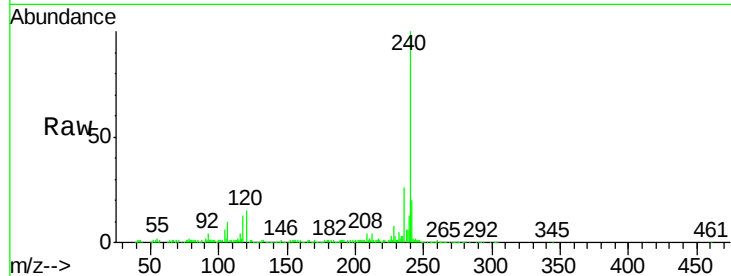
ClientSampleId :

T-13 0.5-1.0

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.6	9.5	14.3#
236	26.0	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:48 PM

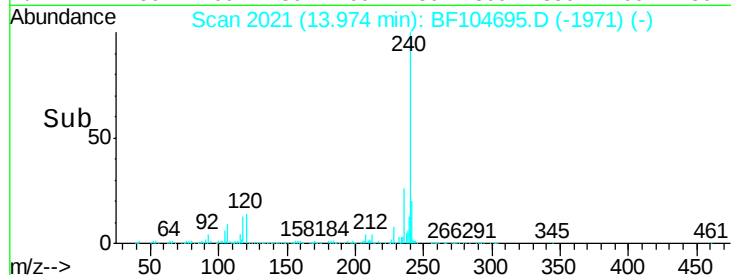


Abundance Ion 240.00 (239.70 to 240.70): E

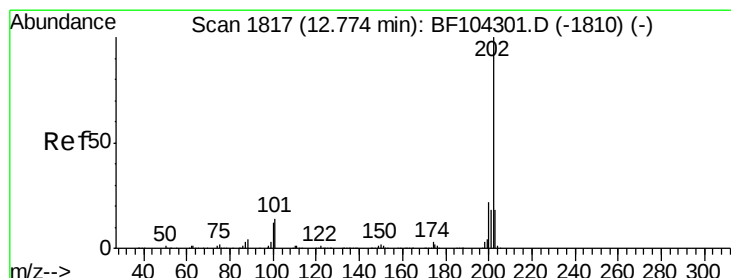
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 13.005 ng

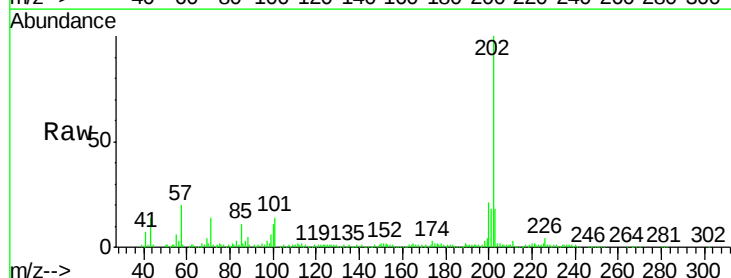
RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	17.4	26.2
203	18.4	14.3	21.5

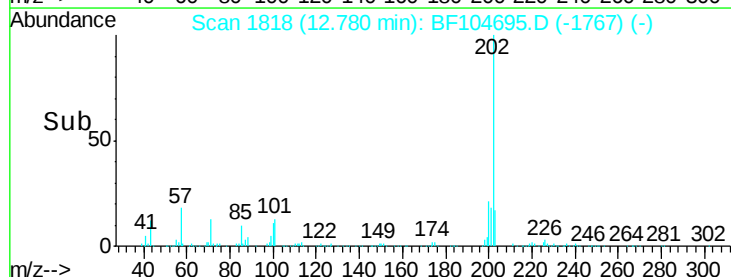


Abundance Ion 202.00 (201.70 to 202.70): E

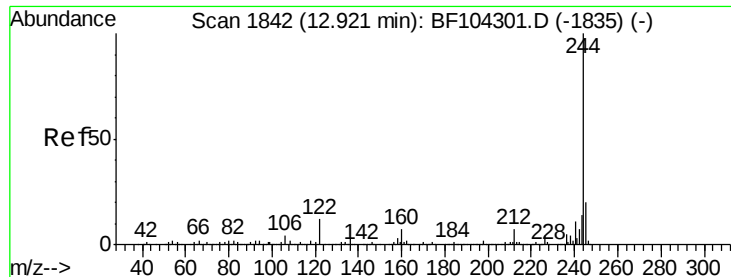
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



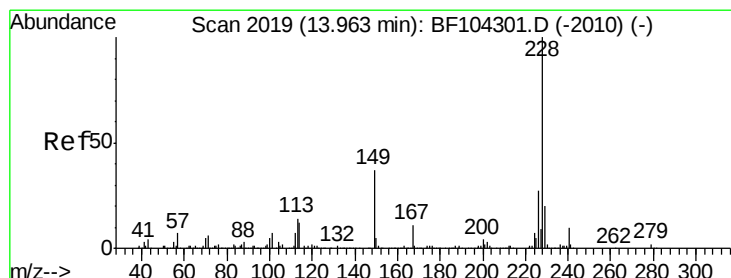
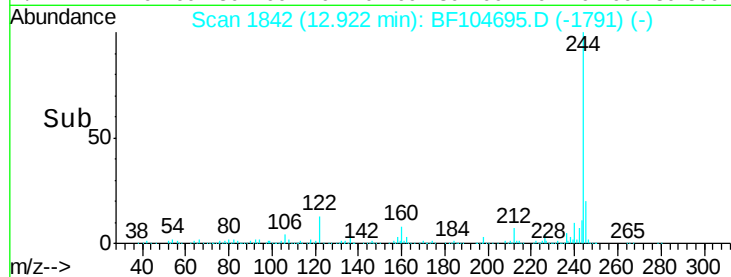
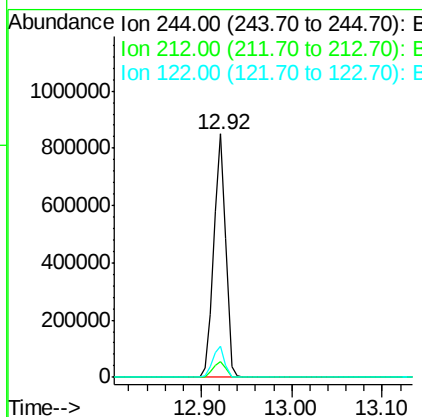
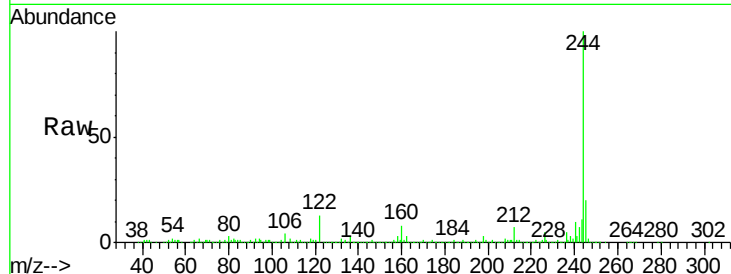
#78
 Terphenyl-d14
 Concen: 77.370 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.6	11.0	16.4

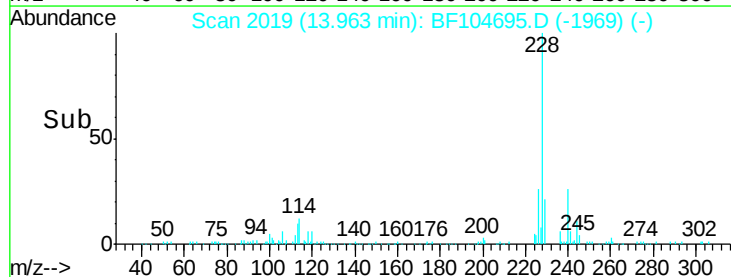
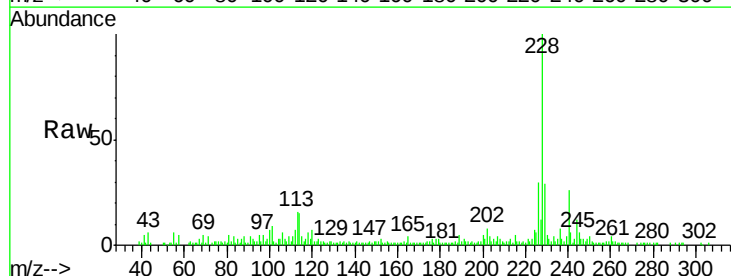
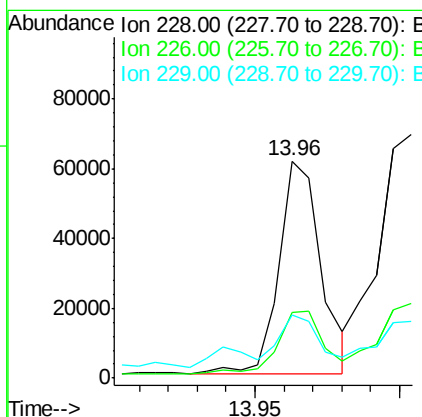
Manual Integrations
 APPROVED

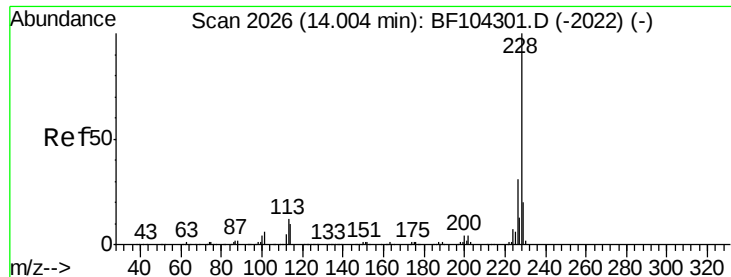
Sohil
 4/23/2018 2:18:48 PM



#80
 Benzo(a)anthracene
 Concen: 4.508 ng m
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	28.9	15.8	23.6





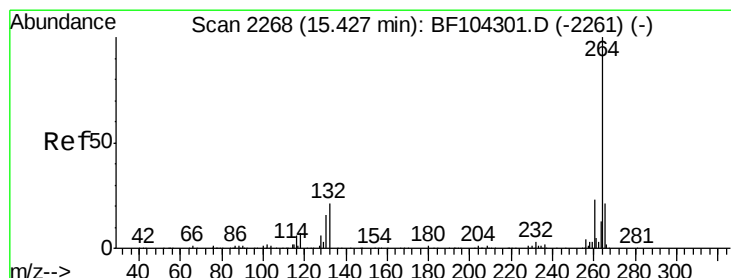
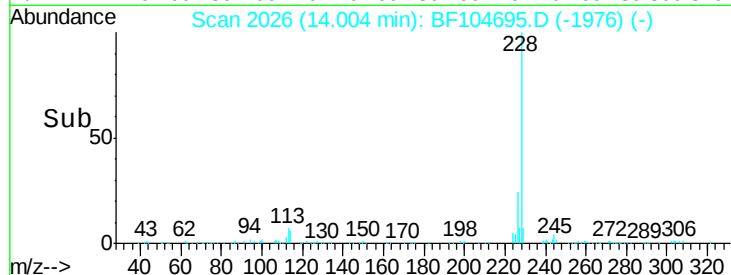
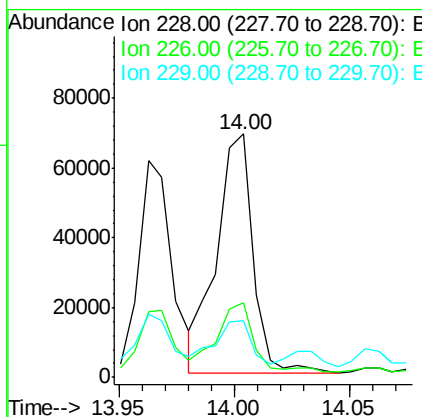
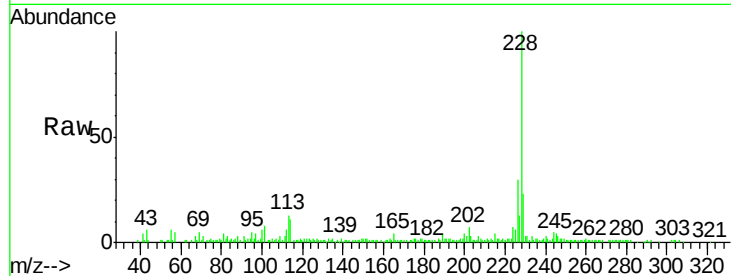
#82
Chrysene
Concen: 5.283 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	23.5	16.2	24.4

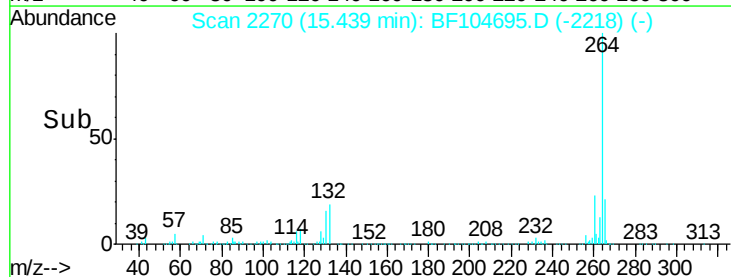
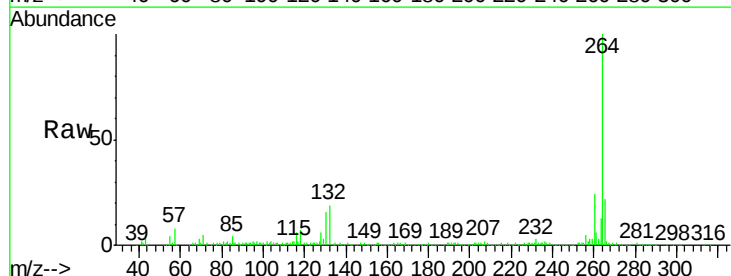
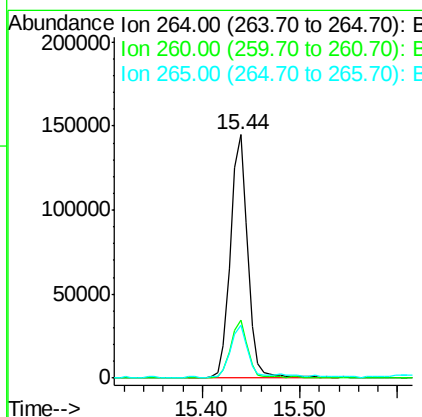
Manual Integrations
APPROVED

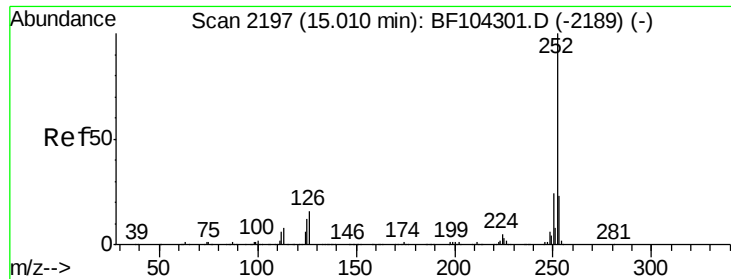
Sohil
4/23/2018 2:18:48 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3





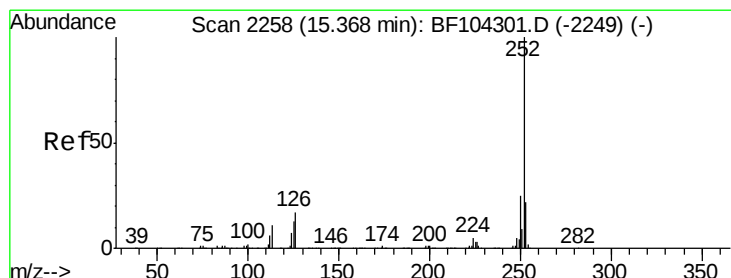
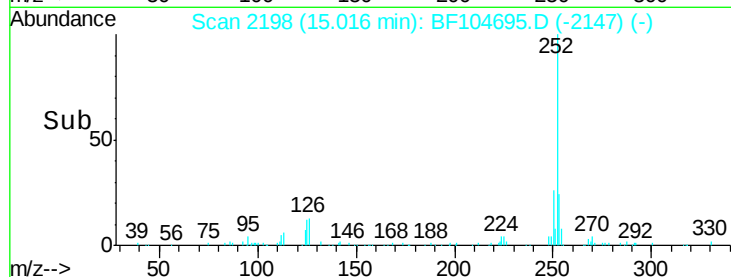
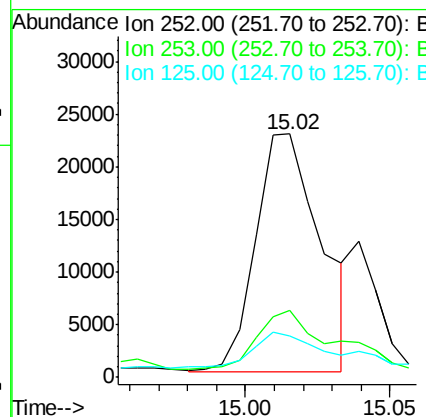
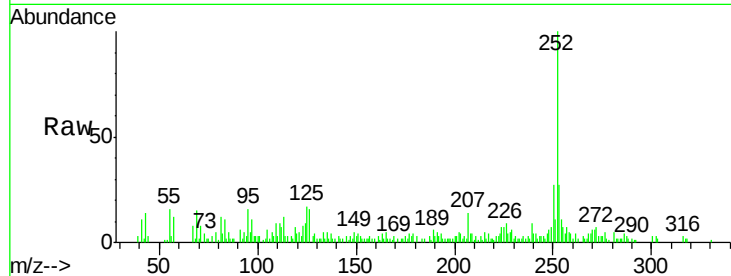
#87
Benzo(b)fluoranthene
Concen: 3.145 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.0	25.6#
125	16.9	9.0	13.6#

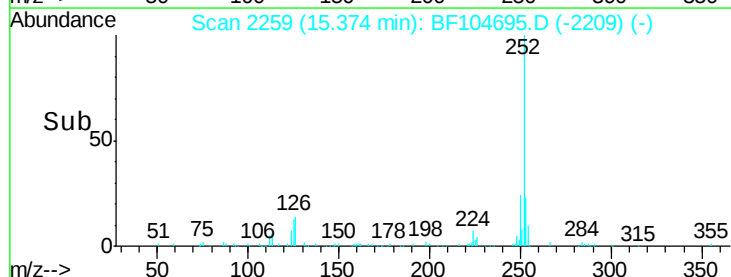
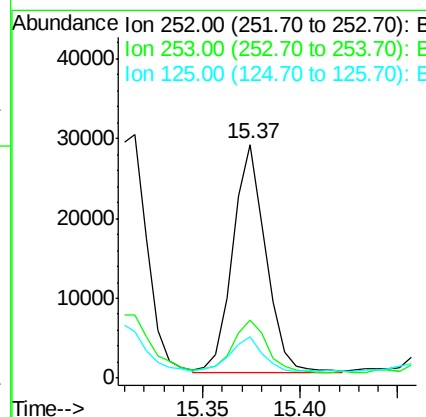
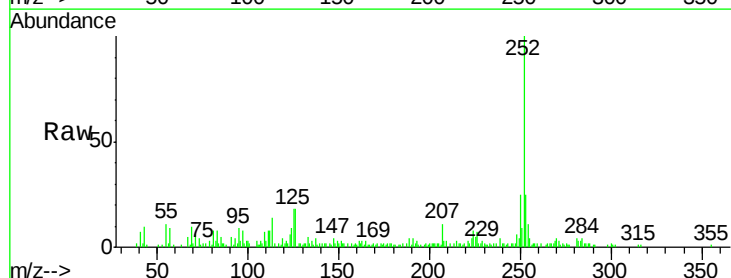
Manual Integrations
APPROVED

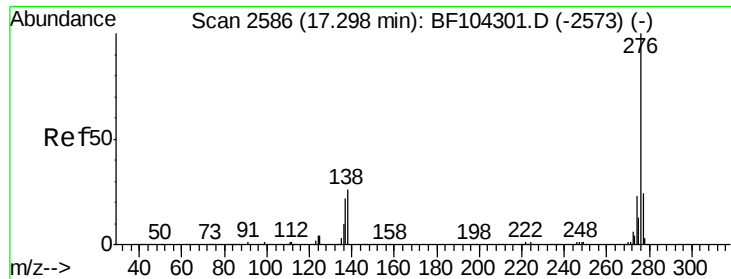
Sohil
4/23/2018 2:18:48 PM



#89
Benzo(a)pyrene
Concen: 3.305 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	17.7	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.265 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Tot Ion:	276	Resp:	26280
Ion Ratio		Lower	Upper
276	100		
277	25.3	17.9	26.9
138	25.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 2:18:48 PM

