

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102440.D
 Acq On : 25 Jan 2018 22:52
 Operator : SJ/JU
 Sample : J1289-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54-13.5-14.0

Manual Integrations
 APPROVED

Sohil
 1/26/2018 11:24:40 AM

Quant Time: Jan 26 01:28:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	141722	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	574470	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242665	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	357220	20.00	ng	0.00
75) Chrysene-d12	13.88	240	239424	20.00	ng	0.00
86) Perylene-d12	15.32	264	212453	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	968546	103.62	ng	0.02
7) Phenol-d6	6.37	99	1155377	102.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	684066	68.43	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	181760	75.59	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	939740	56.94	ng	0.00
78) Terphenyl-d14	12.83	244	598405	56.34	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	103034	5.137	ng	99
51) Acenaphthene	9.79	154	52280	3.407	ng	97
54) Dibenzofuran	9.96	168	45132	2.173	ng	99
57) Fluorene	10.30	166	45658	2.774	ng	97
70) Phenanthrene	11.26	178	440850	21.178	ng	98
71) Anthracene	11.32	178	161880	7.619	ng	99
72) Carbazole	11.47	167	51559	2.487	ng	99
74) Fluoranthene	12.46	202	766727	36.120	ng	97
77) Pyrene	12.69	202	704953	38.082	ng	99
80) Benzo(a)anthracene	13.87	228	364049	24.697	ng	98
82) Chrysene	13.91	228	330190	22.058	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	126904	10.265	ng	97
87) Benzo(b)fluoranthene	14.90	252	361254m	26.235	ng	
88) Benzo(k)fluoranthene	14.93	252	120888m	9.292	ng	
89) Benzo(a)pyrene	15.26	252	269502	21.701	ng	# 94
90) Dibenzo(a,h)anthracene	16.72	278	34855	3.465	ng	# 78
91) Benzo(a,h,i)perylene	17.14	276	125575	12.642	ng	94

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

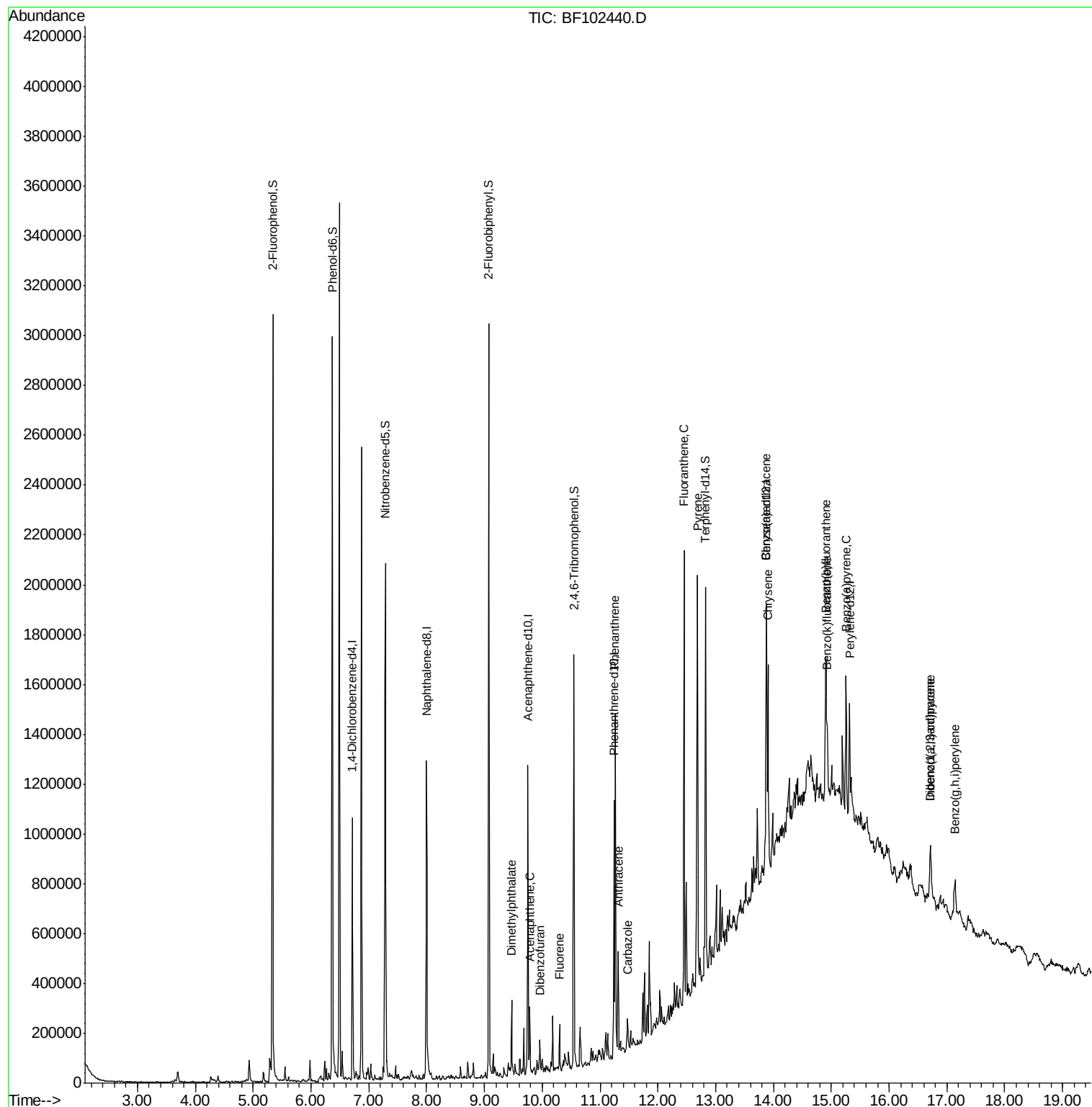
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102440.D
Acq On : 25 Jan 2018 22:52
Operator : SJ/JU
Sample : J1289-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

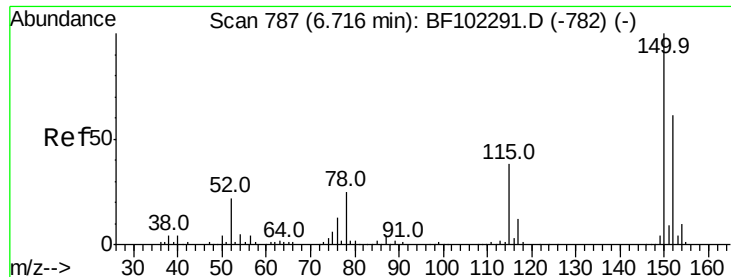
Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:40 AM

Quant Time: Jan 26 01:28:29 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 25 13:44:56 2018
Response via : Initial Calibration





#1

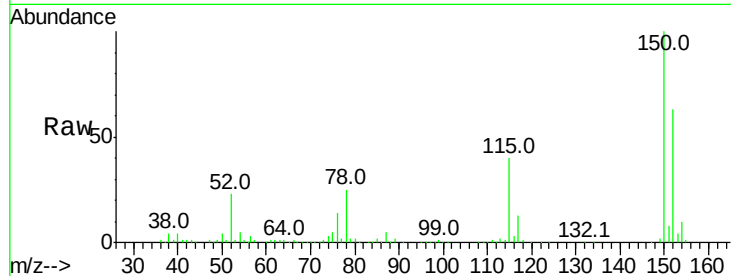
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

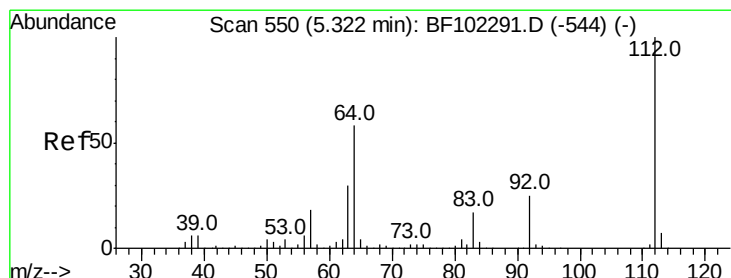
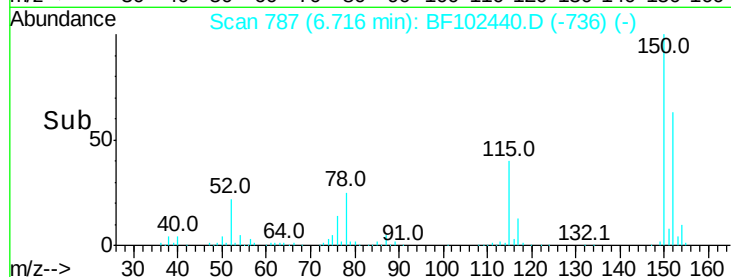
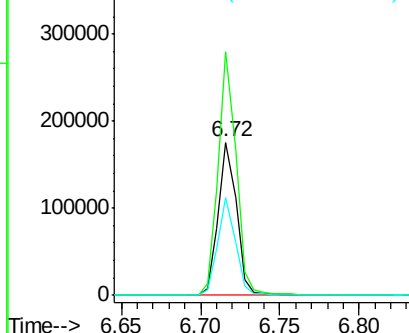
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	63.7	50.1	75.1

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:40 AM



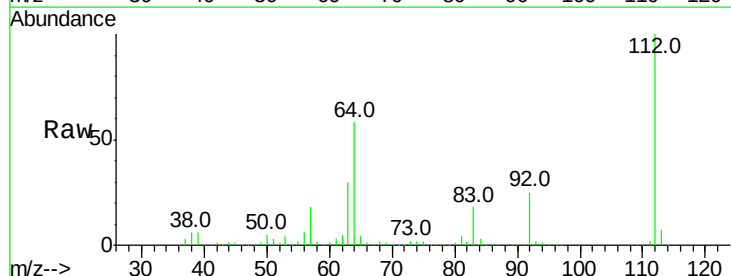
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



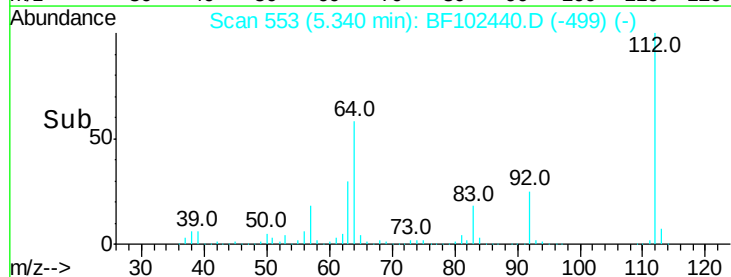
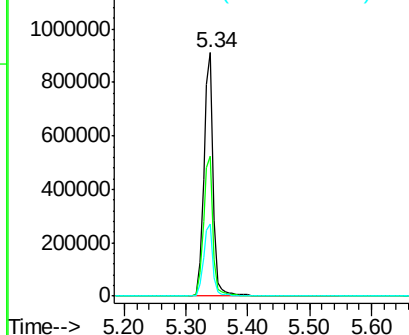
#5

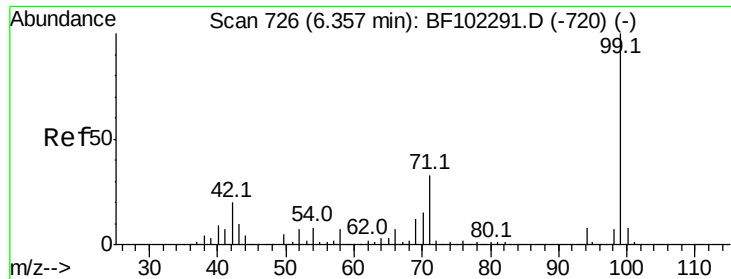
2-Fluorophenol
Concen: 103.623 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	29.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.532 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Instrument :

BNA_F

ClientSampleId :

SB-54-13.5-14.0

Tot Ion: 99 Resp: 1155377

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

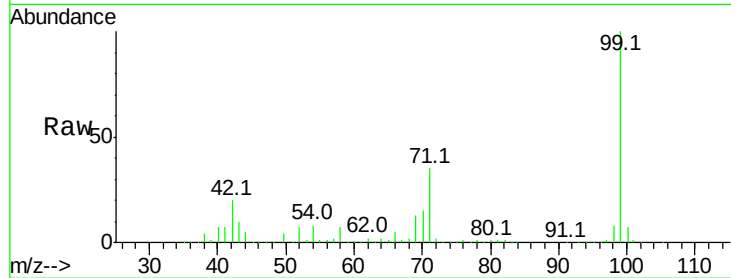
71 34.7 25.4 38.0

Manual Integrations

APPROVED

Sohil

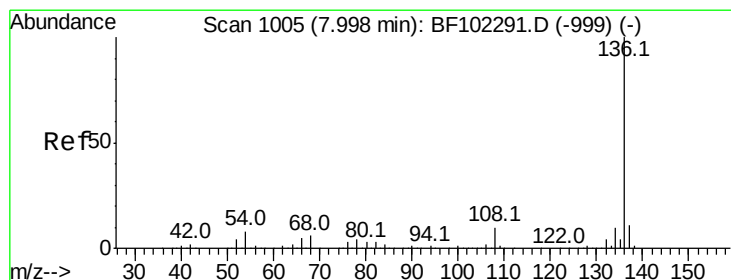
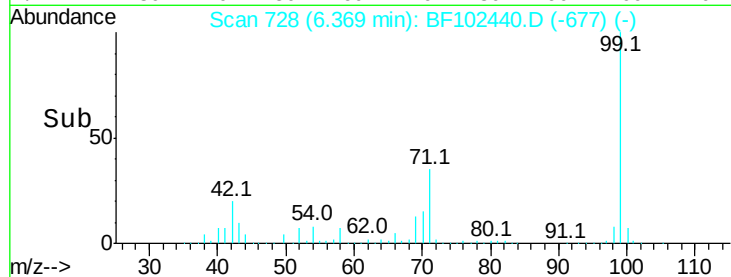
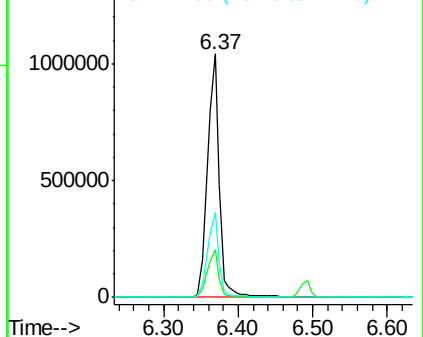
1/26/2018 11:24:40 AM



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Tgt Ion:136 Resp: 574470

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.3 6.6 9.8

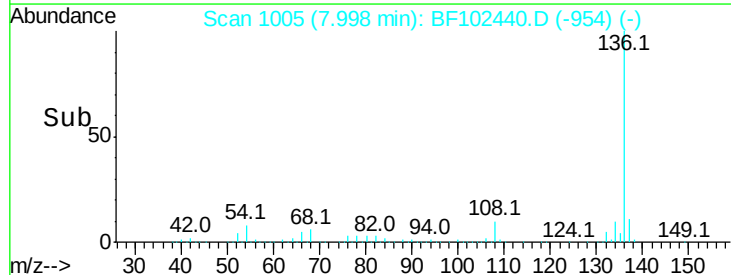
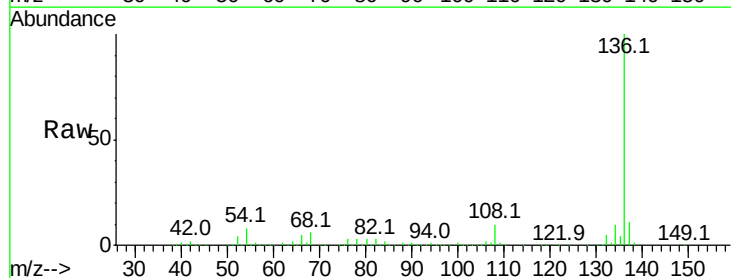
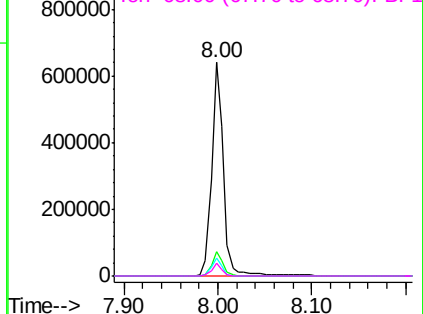
68 5.9 5.0 7.4

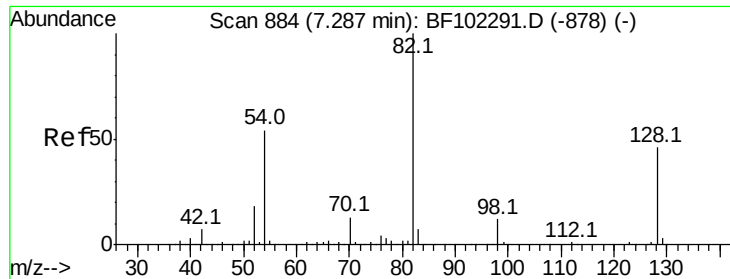
Abundance Ion 136.00 (135.70 to 136.70): E

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





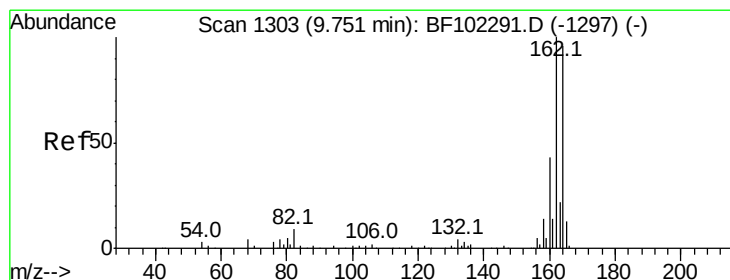
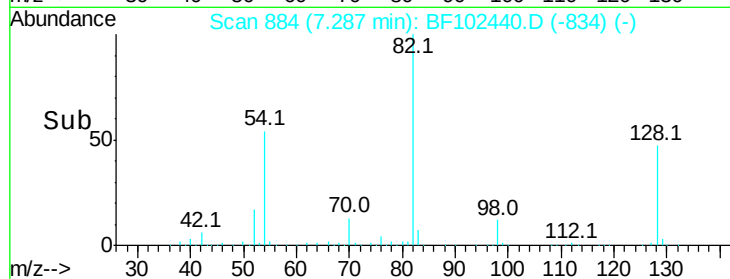
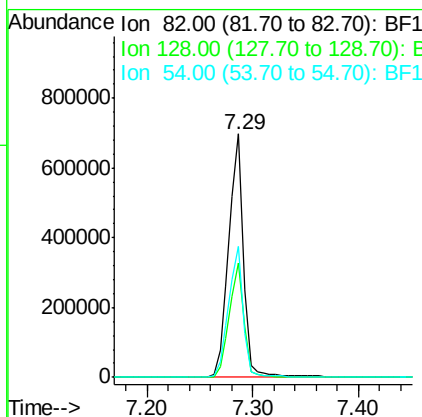
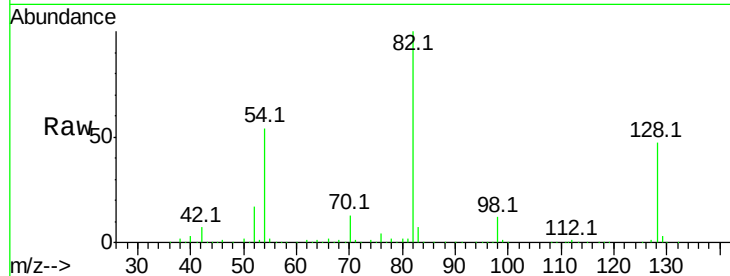
#23
 Nitrobenzene-d5
 Concen: 68.430 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF102440.D
 Acq: 25 Jan 2018 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-54-13.5-14.0

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	53.6	41.4	62.2

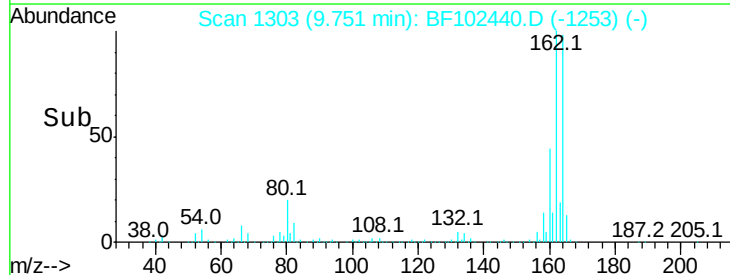
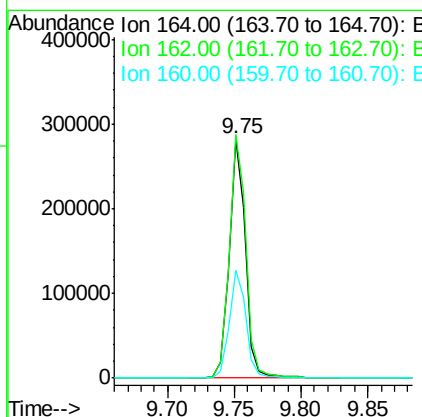
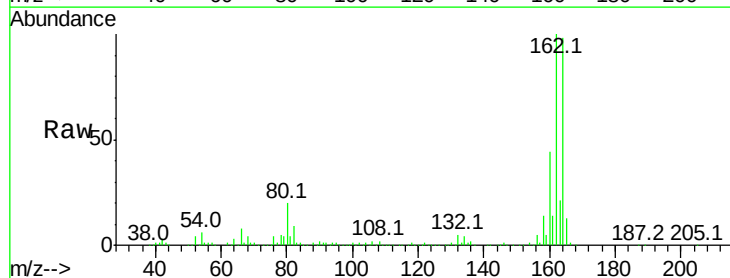
Manual Integrations
 APPROVED

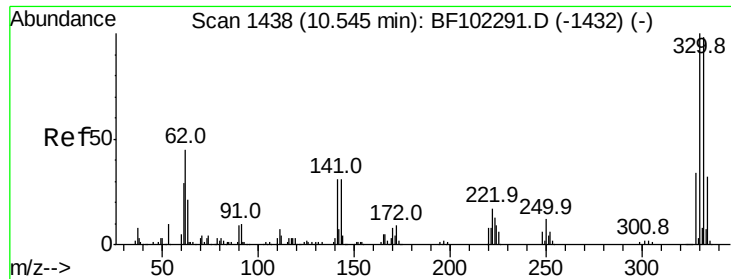
Sohil
 1/26/2018 11:24:40 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102440.D
 Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 75.593 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Instrument :

BNA_F

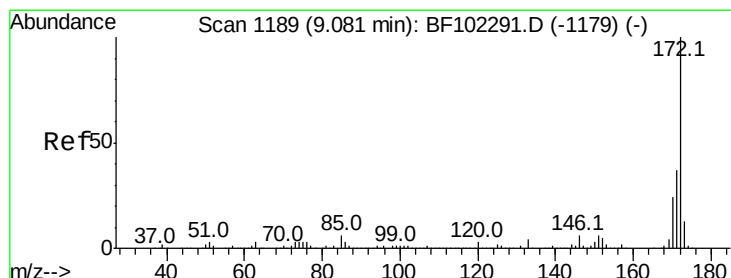
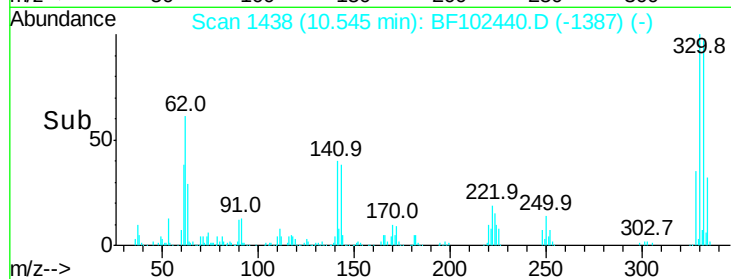
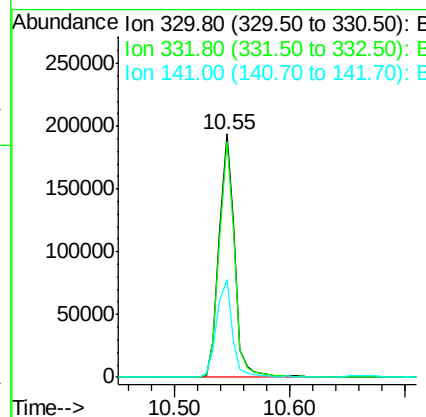
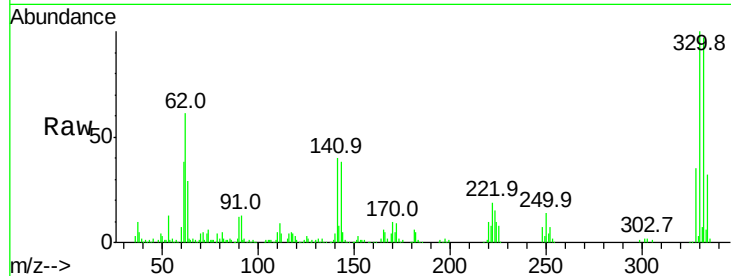
ClientSampled :

SB-54-13.5-14.0

Tot Ion:	330	Resp:	181760
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.0	115.6
141	41.3	29.9	44.9

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:40 AM



#44

2-Fluorobiphenyl

Concen: 56.941 ng

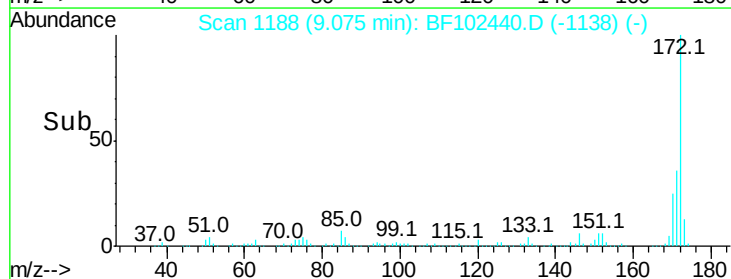
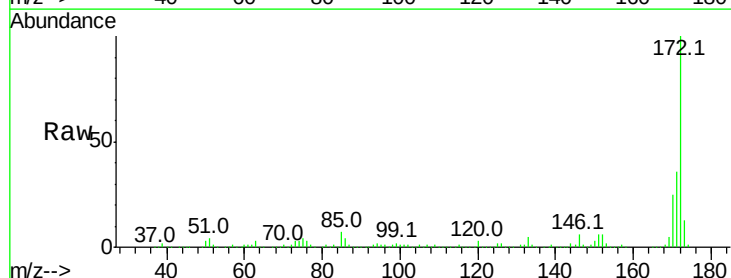
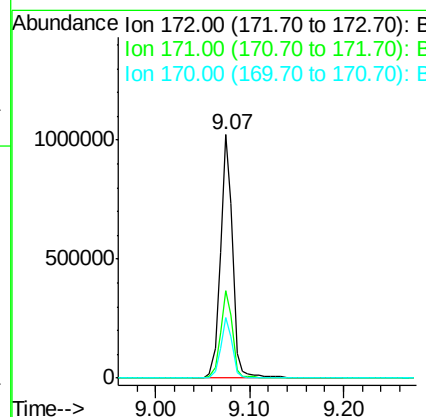
RT: 9.07 min Scan# 1188

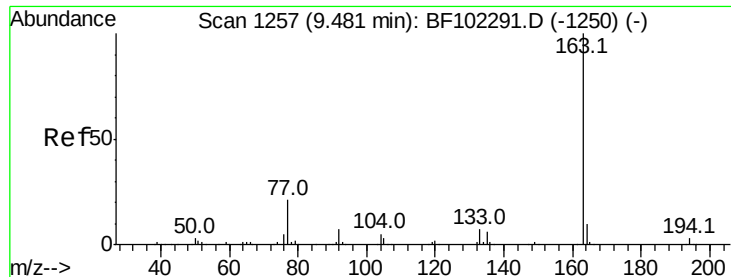
Delta R.T. -0.01 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Tgt Ion:	172	Resp:	939740
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	24.9	19.6	29.4





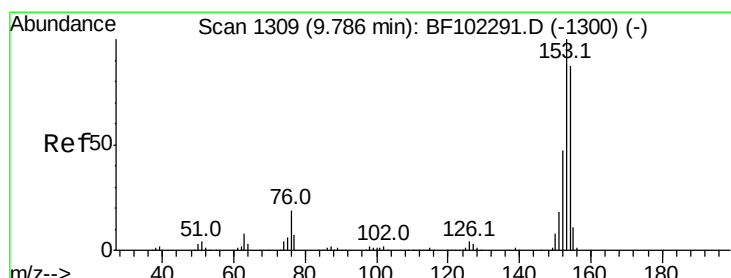
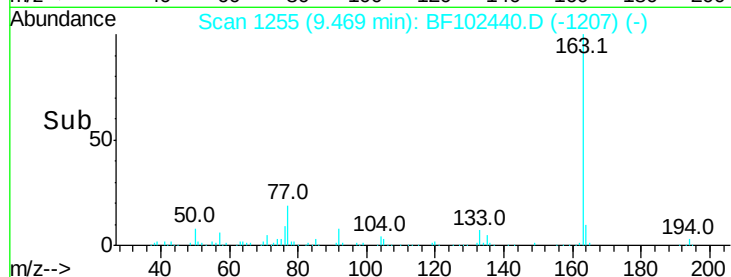
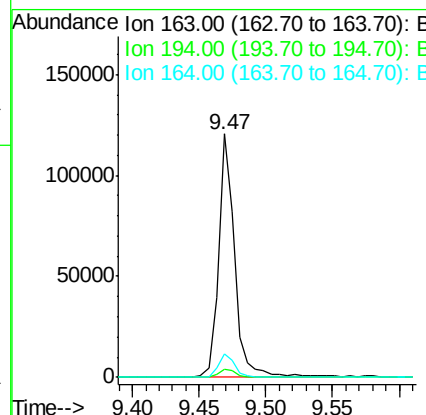
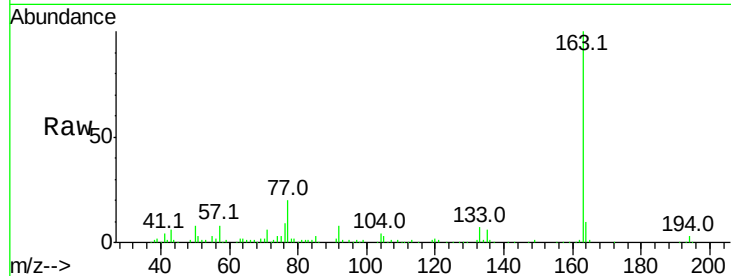
#49
Dimethylphthalate
Concen: 5.137 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	9.7	8.2	12.2	

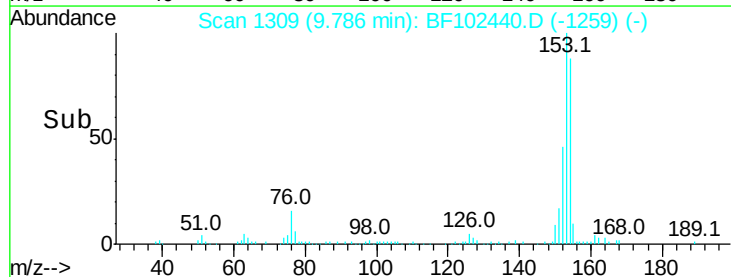
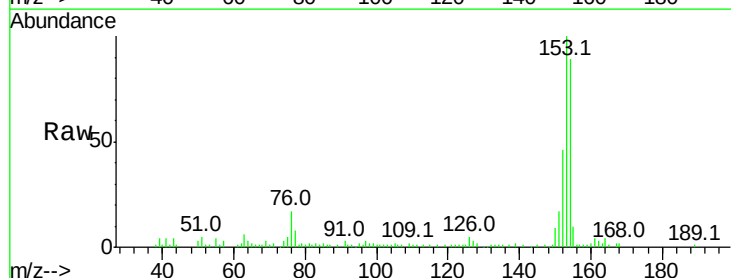
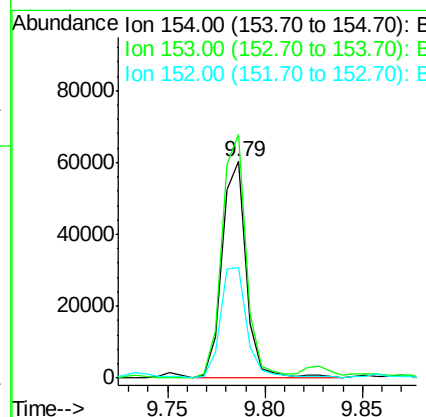
Manual Integrations
APPROVED

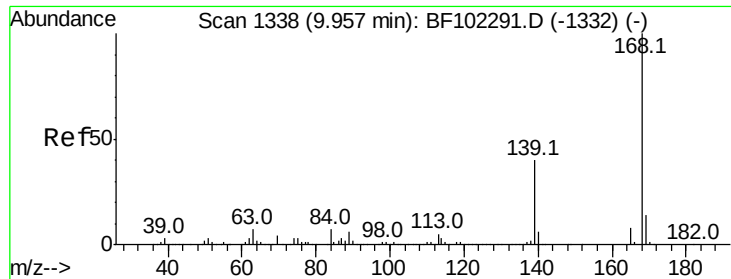
Sohil
1/26/2018 11:24:40 AM



#51
Acenaphthene
Concen: 3.407 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.4	91.2	136.8	
152	51.2	43.8	65.8	





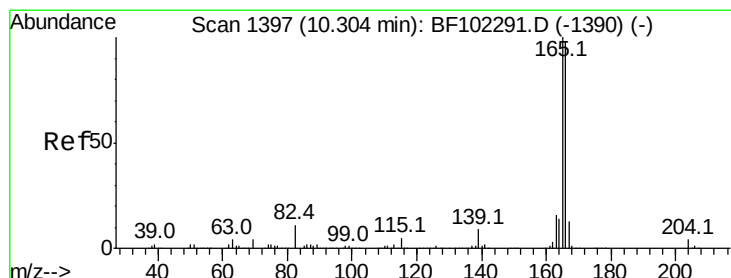
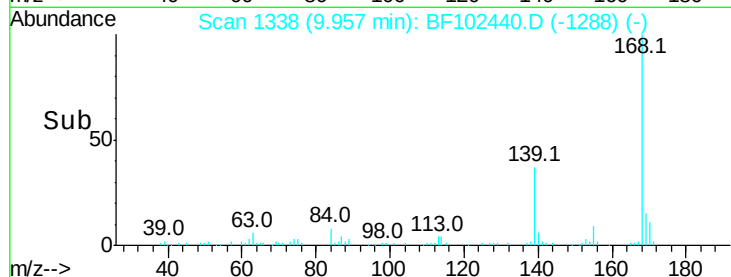
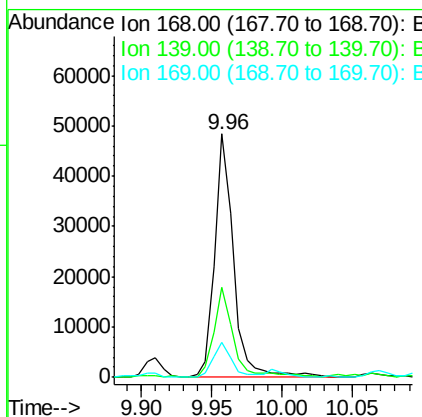
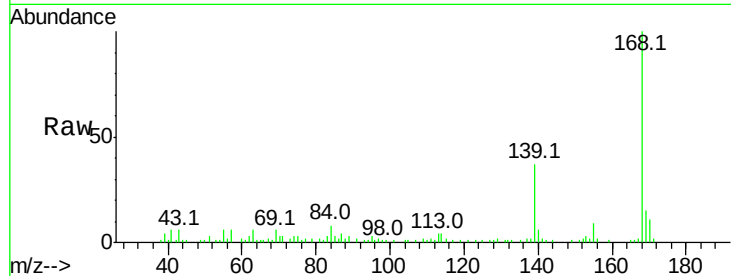
#54
Dibenzofuran
Concen: 2.173 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.1	45.1
169	14.5	10.9	16.3

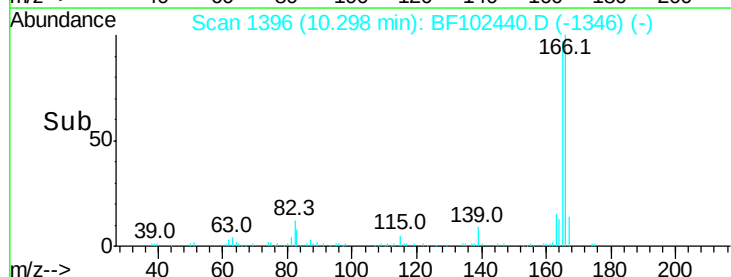
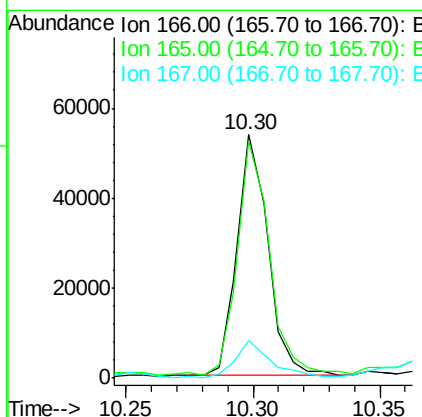
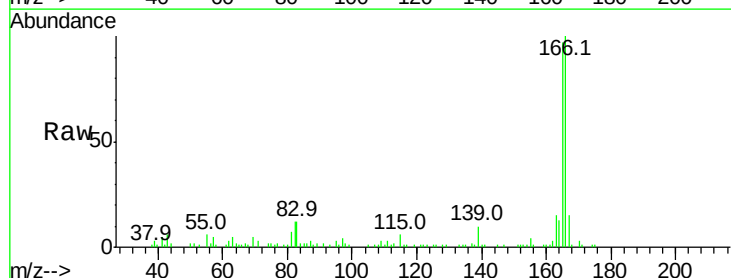
Manual Integrations
APPROVED

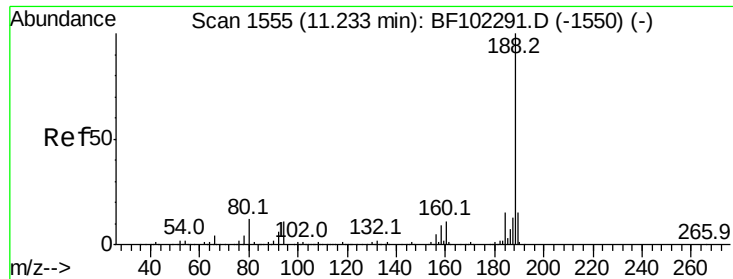
Sohil
1/26/2018 11:24:40 AM



#57
Fluorene
Concen: 2.774 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.8	119.8
167	15.2	10.6	16.0





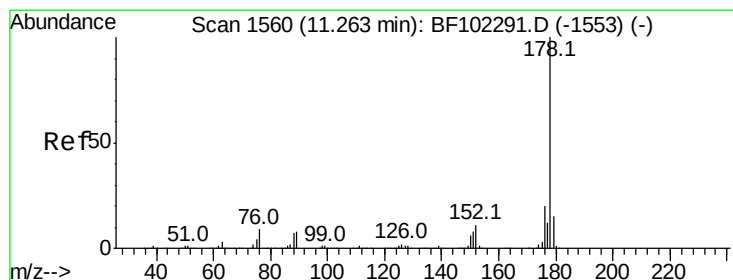
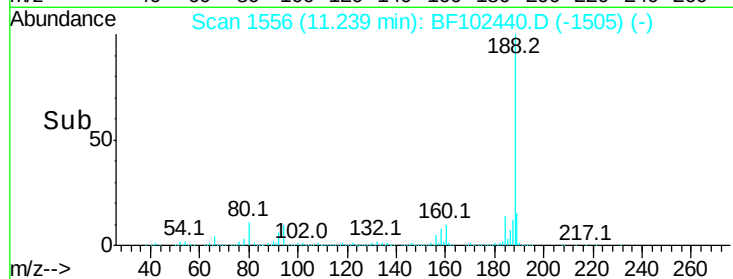
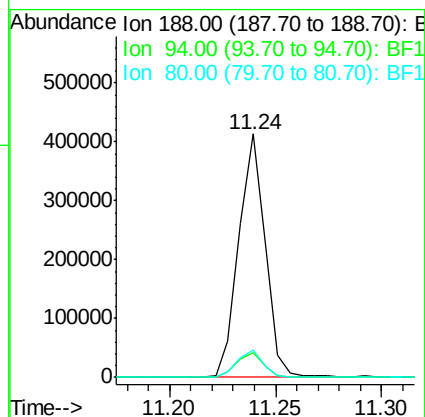
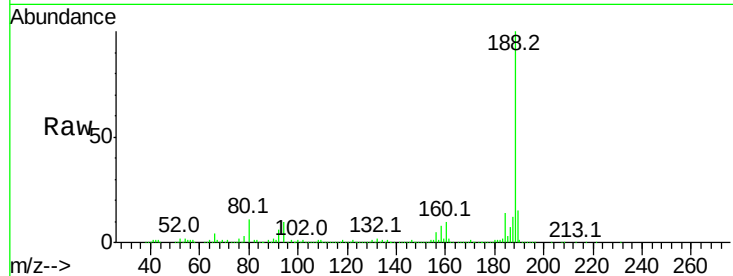
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

Tot Ion	Ratio	Resp	Lower	Upper
188	100	357220		
94	10.2		8.5	12.7
80	11.2		9.2	13.8

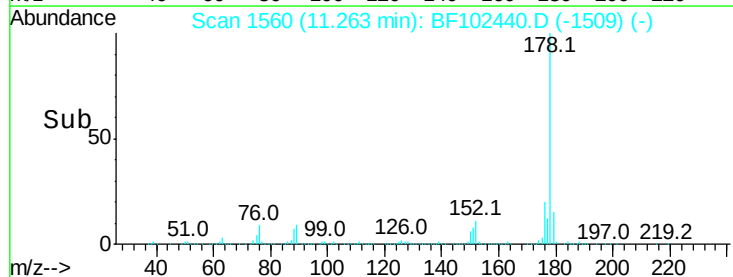
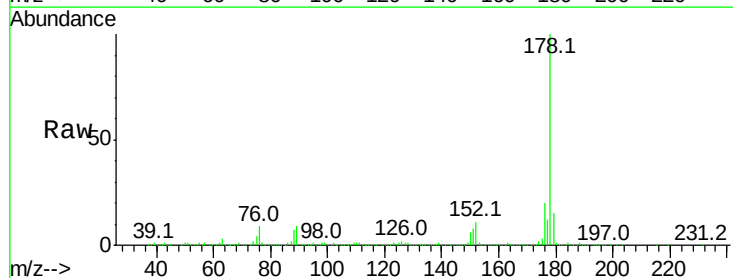
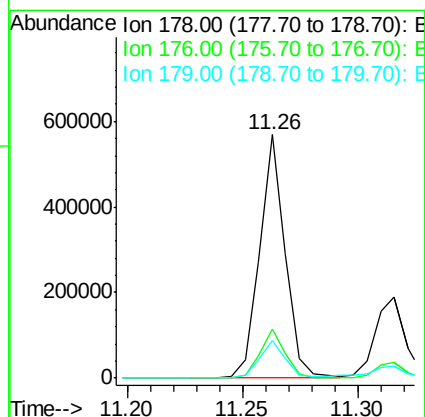
Manual Integrations
APPROVED

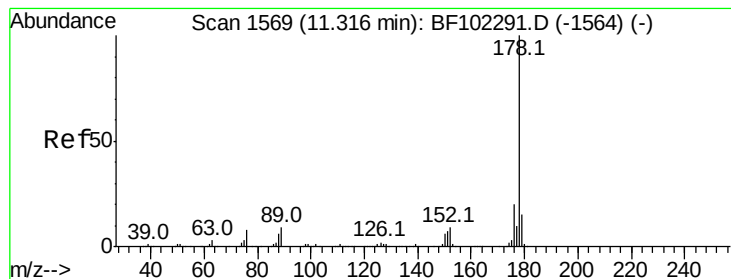
Sohil
1/26/2018 11:24:40 AM



#70
Phenanthrene
Concen: 21.178 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	440850		
176	20.2		15.8	23.8
179	15.3		13.0	19.6





#71

Anthracene

Concen: 7.619 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Instrument :

BNA_F

ClientSampleId :

SB-54-13.5-14.0

Tot Ion:178 Resp: 161880

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

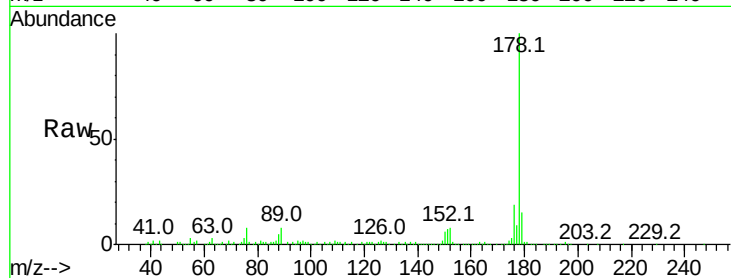
179 15.0 12.6 19.0

Manual Integrations

APPROVED

Sohil

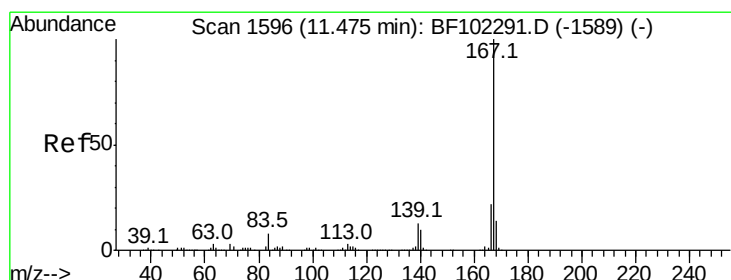
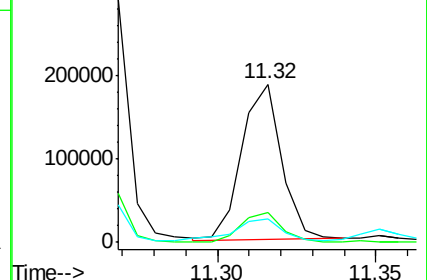
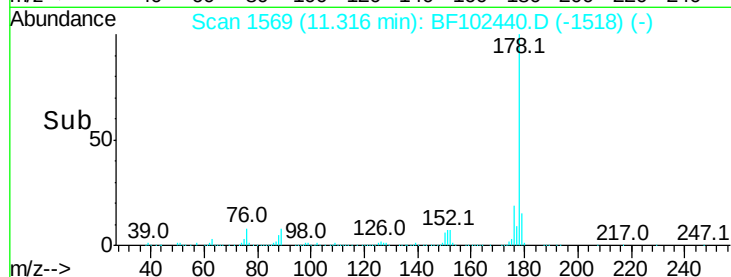
1/26/2018 11:24:40 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.487 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

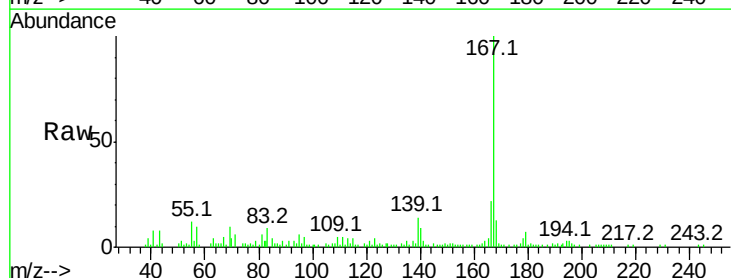
Tgt Ion:167 Resp: 51559

Ion Ratio Lower Upper

167 100

166 21.7 17.6 26.4

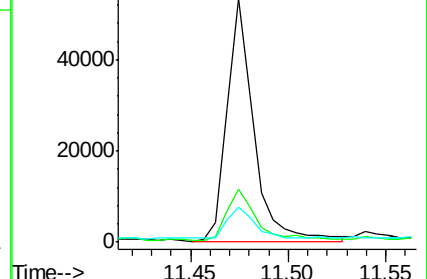
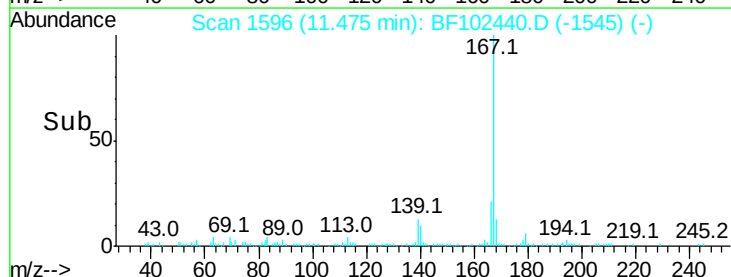
139 14.3 10.9 16.3

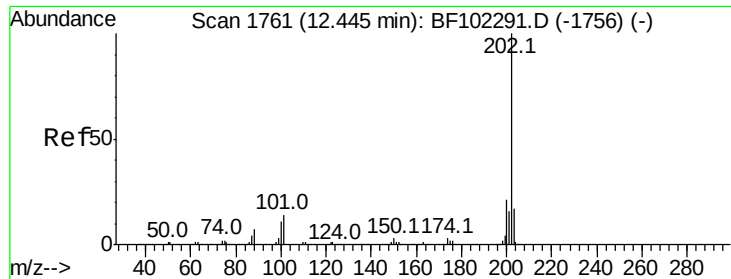


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 36.120 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Instrument :

BNA_F

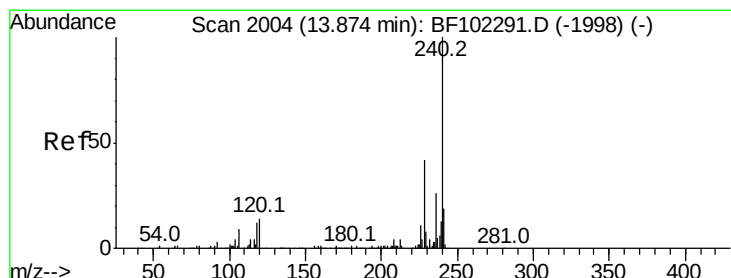
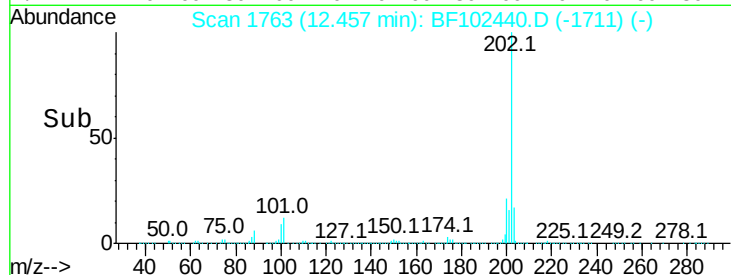
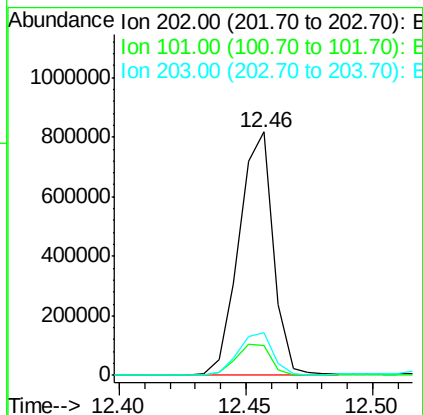
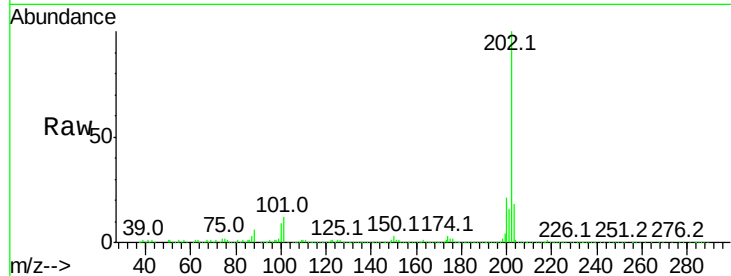
ClientSampleId :

SB-54-13.5-14.0

Tot Ion:	202	Resp:	766727
Ion Ratio		Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:40 AM



#75

Chrysene-d12

Concen: 20.000 ng

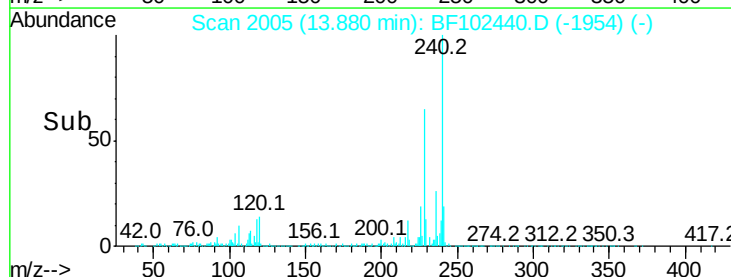
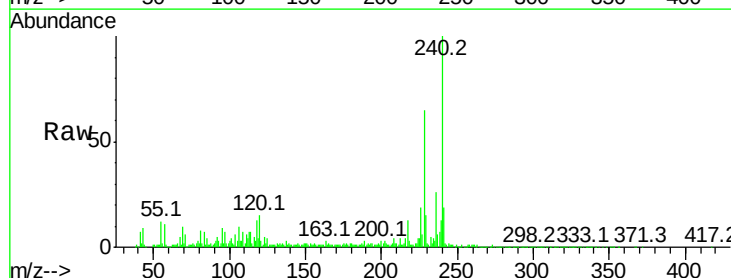
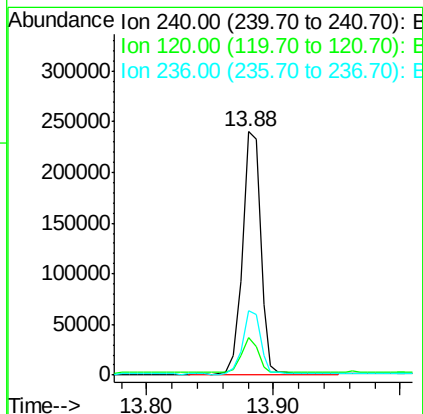
RT: 13.88 min Scan# 2005

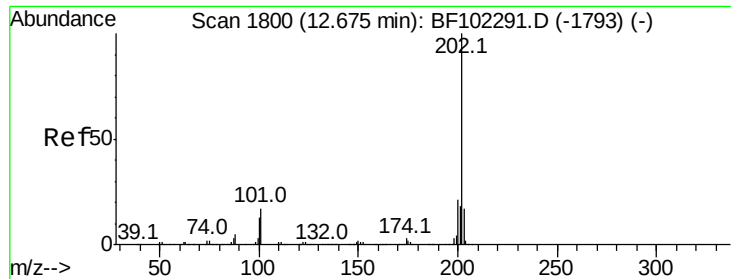
Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Tgt Ion:	240	Resp:	239424
Ion Ratio		Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	26.2	20.7	31.1





#77

Pvrene

Concen: 38.082 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Instrument :

BNA_F

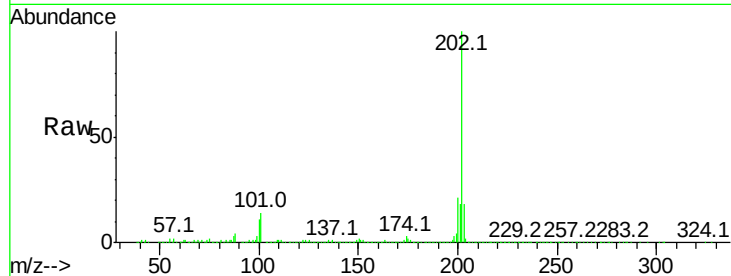
ClientSampleId :

SB-54-13.5-14.0

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	17.4	26.2	
203	17.6	14.3	21.5	

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:40 AM

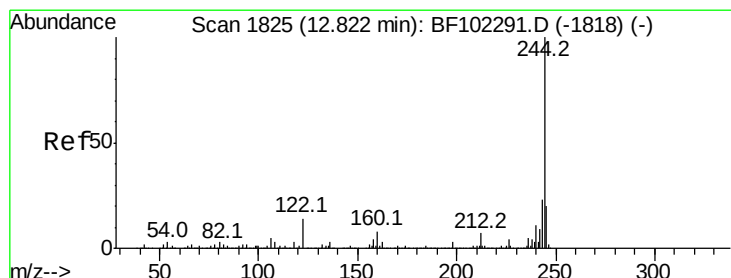
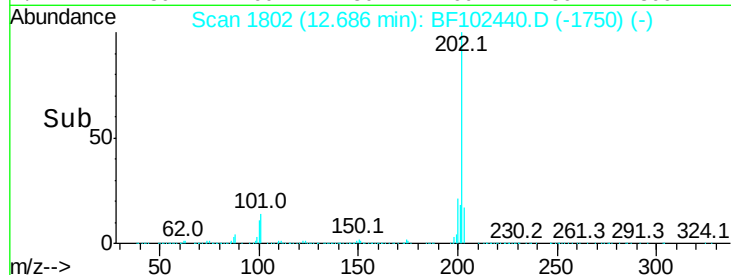
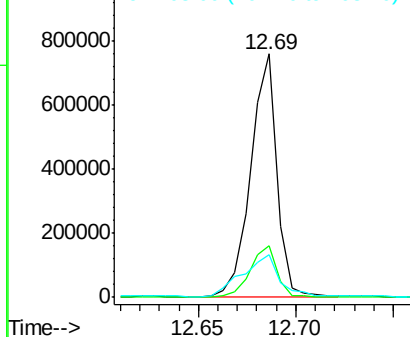


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.344 ng

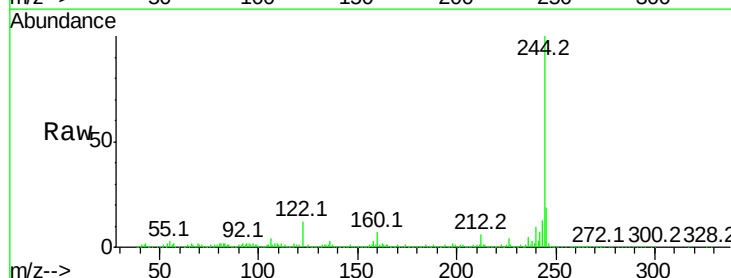
RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	5.4	8.0	
122	12.0	11.0	16.4	

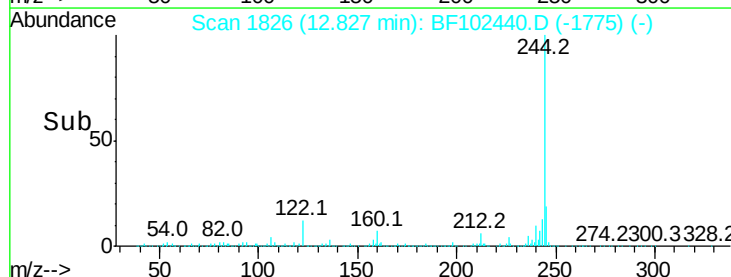
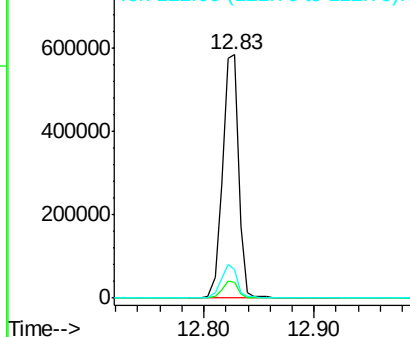


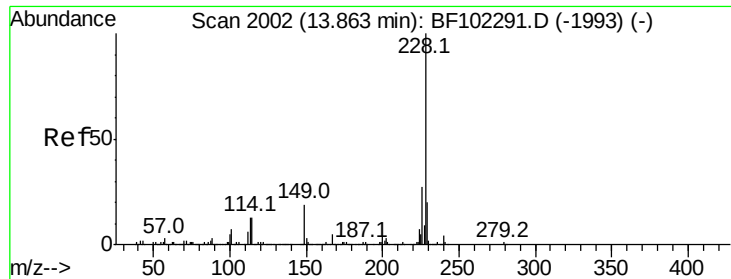
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





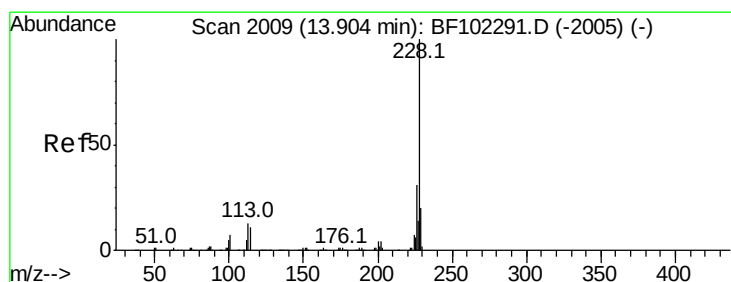
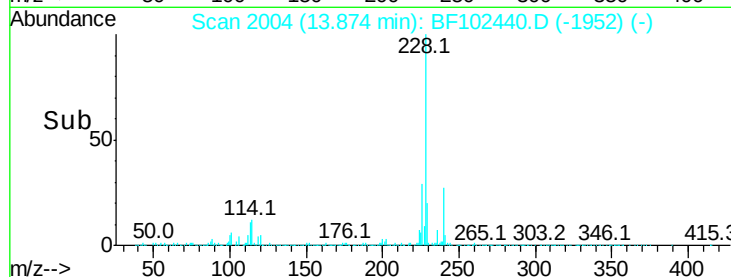
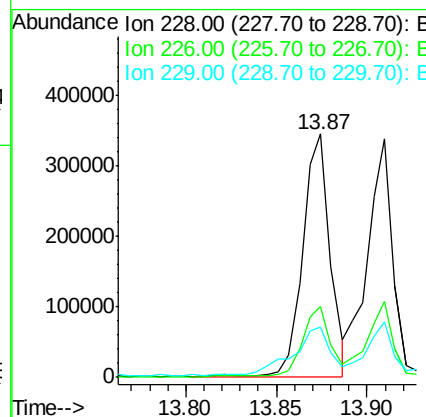
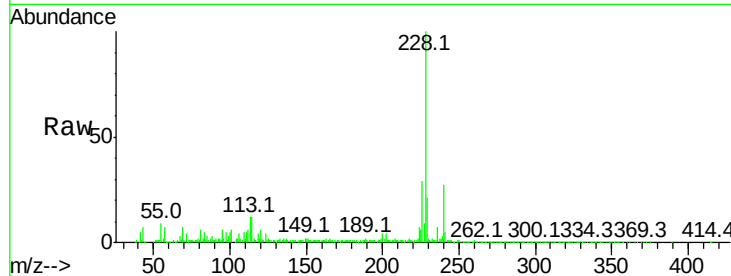
#80
Benzo(a)anthracene
Concen: 24.697 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.9	15.8	23.6

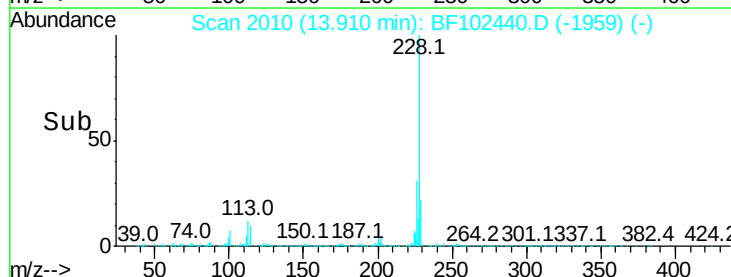
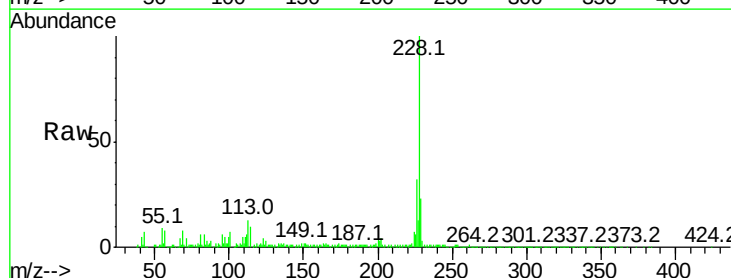
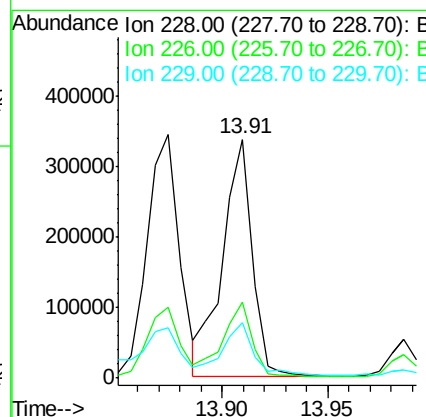
Manual Integrations
APPROVED

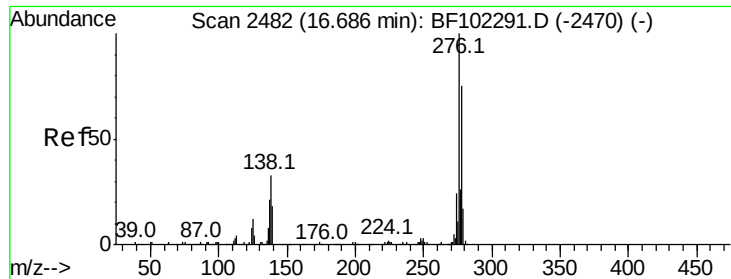
Sohil
1/26/2018 11:24:40 AM



#82
Chrysene
Concen: 22.058 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	23.0	16.2	24.4





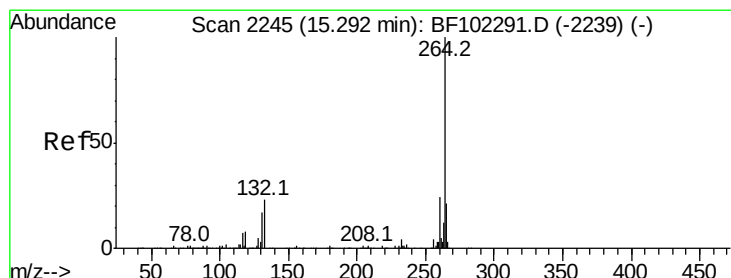
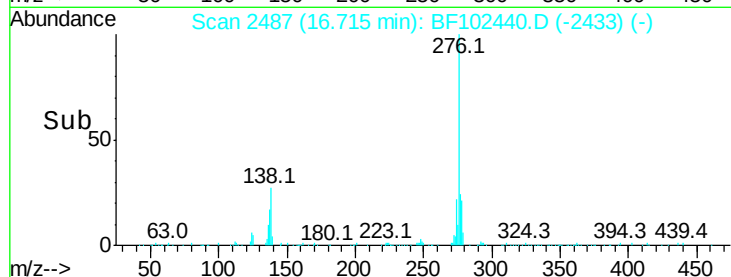
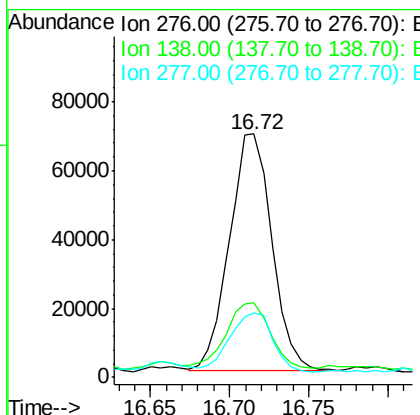
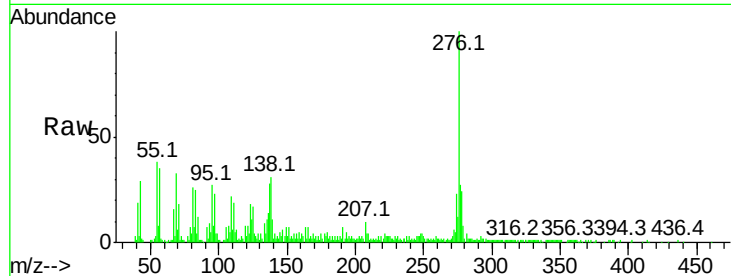
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.265 ng
 RT: 16.72 min Scan# 2487
 Delta R.T. 0.02 min
 Lab File: BF102440.D
 Acq: 25 Jan 2018 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-54-13.5-14.0

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	25.8	20.1	30.1

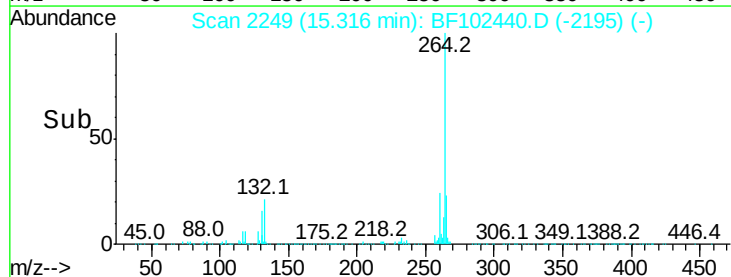
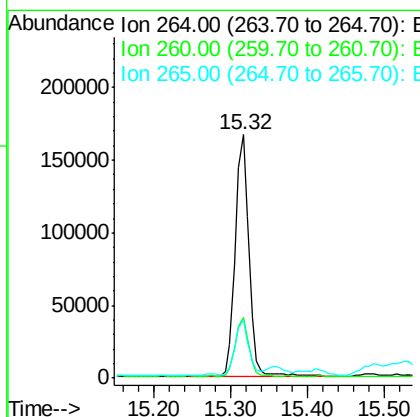
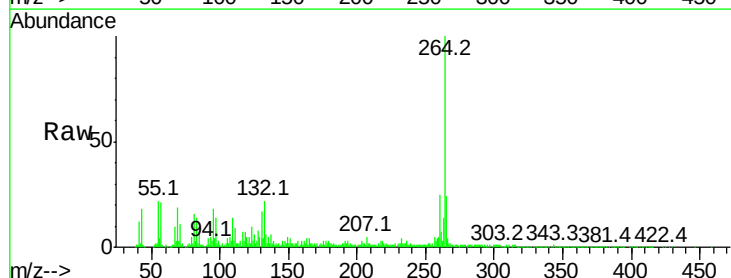
Manual Integrations
 APPROVED

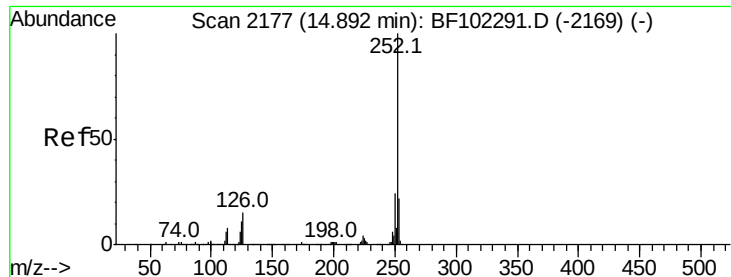
Sohil
 1/26/2018 11:24:40 AM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.02 min
 Lab File: BF102440.D
 Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	23.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 26.235 ng m

RT: 14.90 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Instrument :

BNA_F

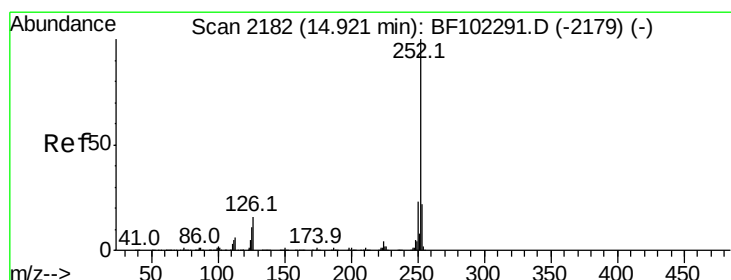
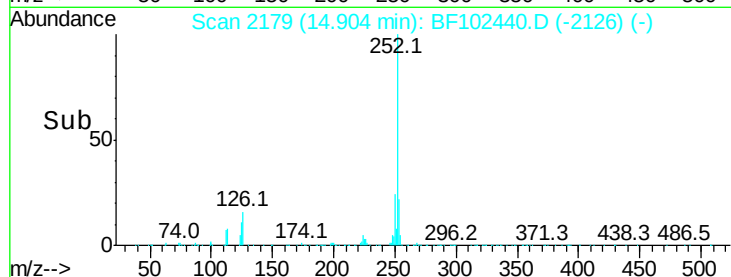
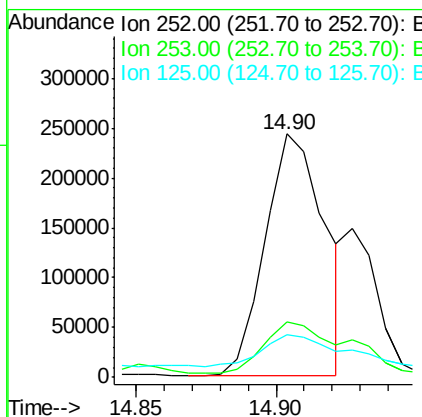
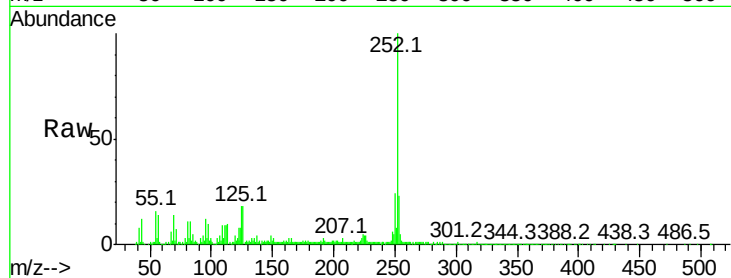
ClientSampleId :

SB-54-13.5-14.0

Tot Ion:	252	Resp:	361254
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	17.5	9.0	13.6#

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:40 AM



#88

Benzo(k)fluoranthene

Concen: 9.292 ng m

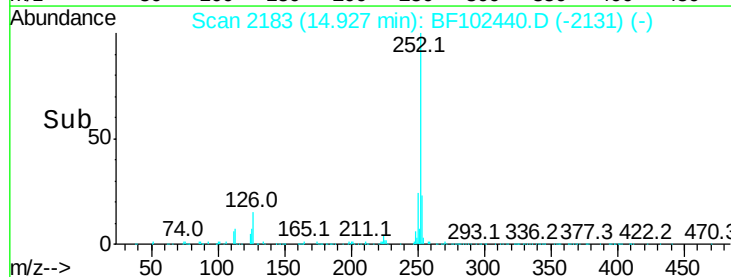
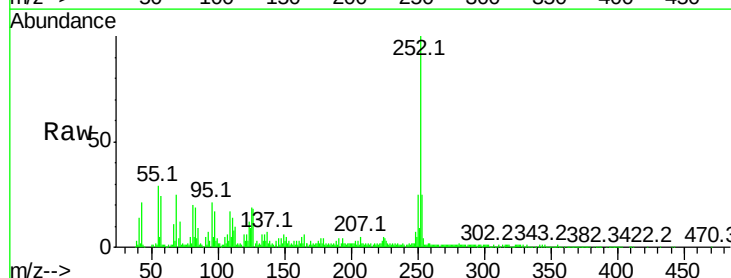
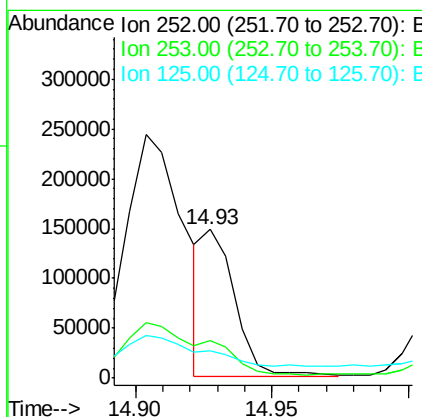
RT: 14.93 min Scan# 2183

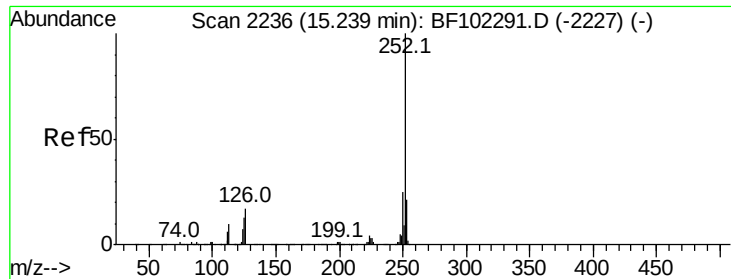
Delta R.T. 0.01 min

Lab File: BF102440.D

Acq: 25 Jan 2018 22:52

Tgt Ion:	252	Resp:	120888
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.9	26.9
125	18.6	10.2	15.2#





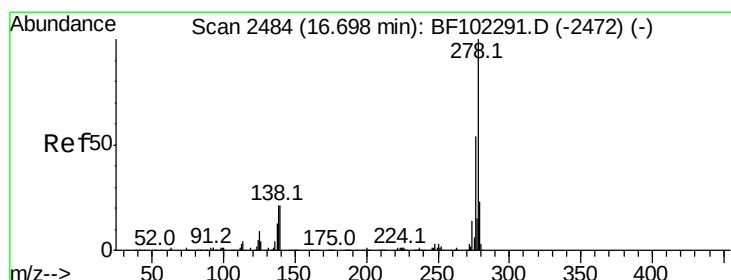
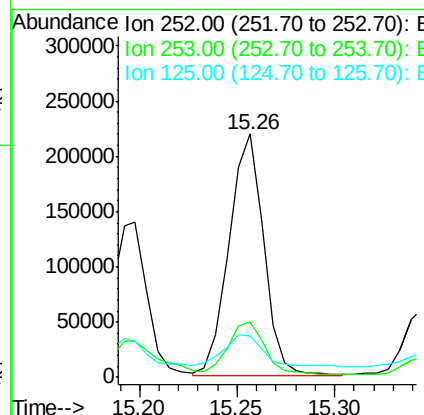
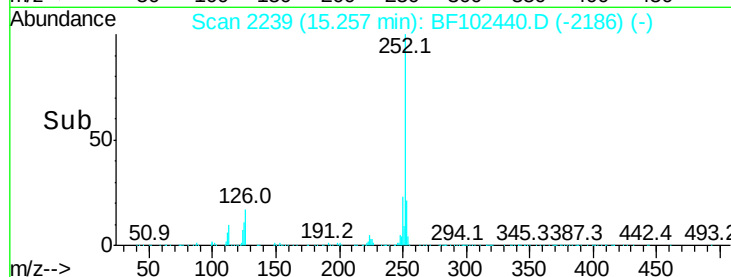
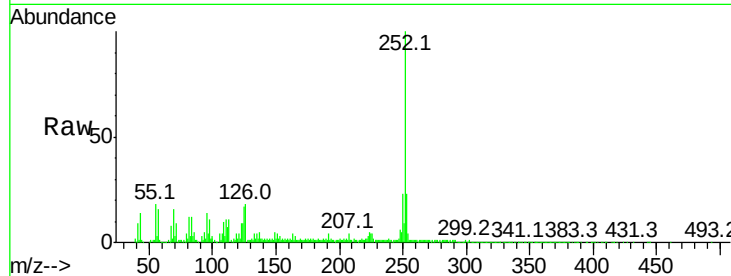
#89
Benzo(a)pyrene
Concen: 21.701 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Instrument :
BNA_F
ClientSampleId :
SB-54-13.5-14.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	16.8	9.8	14.6

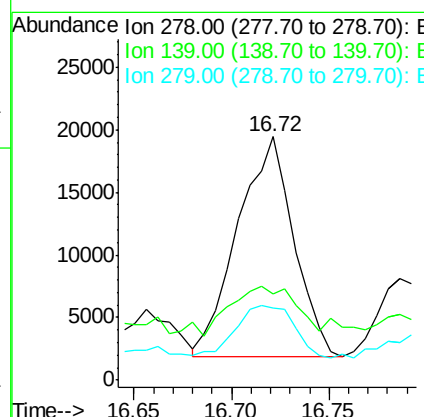
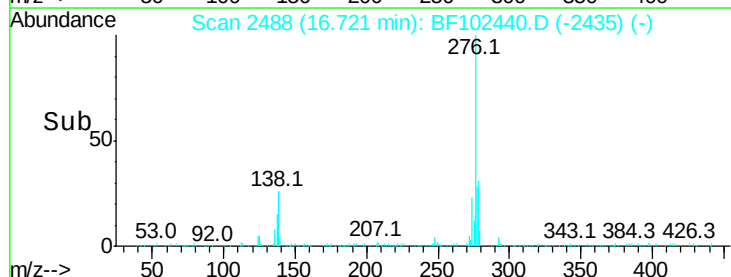
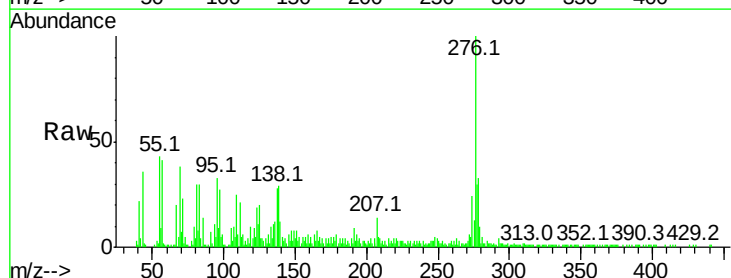
Manual Integrations
APPROVED

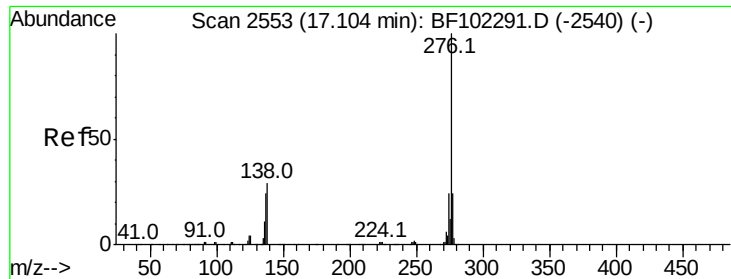
Sohil
1/26/2018 11:24:40 AM



#90
Dibenzo(a,h)anthracene
Concen: 3.465 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF102440.D
Acq: 25 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.3	15.9	23.9
279	29.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.642 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. 0.02 min
 Lab File: BF102440.D
 Acq: 25 Jan 2018 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-54-13.5-14.0

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	29.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/26/2018 11:24:40 AM

