

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102760.D
 Acq On : 6 Feb 2018 2:10
 Operator : SJ/JU
 Sample : J1447-02 20X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB45 BOT-N 10

Manual Integrations
 APPROVED

Sohil
 2/6/2018 2:26:05 PM

Quant Time: Feb 06 06:28:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	194112	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	794771	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	342699	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	516523	20.00	ng	0.00
75) Chrysene-d12	14.04	240	322328	20.00	ng	0.00
86) Perylene-d12	15.52	264	336612	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	72882	5.70	ng	-0.01
7) Phenol-d6	6.49	99	87546	5.69	ng	-0.02
23) Nitrobenzene-d5	7.43	82	47203	4.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	11602	4.21	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	57609	2.79	ng	-0.01
78) Terphenyl-d14	12.99	244	38221	2.81	ng	-0.01

Target Compounds

						Qvalue
48) Acenaphthylene	9.78	152	176211	4.993	ng	99
51) Acenaphthene	9.95	154	301225	14.271	ng	98
54) Dibenzofuran	10.12	168	231087	7.769	ng	98
57) Fluorene	10.47	166	445883	20.602	ng	99
70) Phenanthrene	11.43	178	1574406	54.730	ng	99
71) Anthracene	11.48	178	690449	23.598	ng	100
72) Carbazole	11.63	167	63350	2.210	ng	98
74) Fluoranthene	12.62	202	1391084	48.063	ng	99
77) Pyrene	12.85	202	1058005	41.859	ng	99
80) Benzo(a)anthracene	14.03	228	577672m	28.497	ng	
82) Chrysene	14.07	228	439233	21.495	ng	97
85) Indeno(1,2,3-cd)pyrene	17.00	276	162398	9.582	ng	97
87) Benzo(b)fluoranthene	15.09	252	521081m	23.877	ng	
88) Benzo(k)fluoranthene	15.11	252	210706m	10.105	ng	
89) Benzo(a)pyrene	15.46	252	402778	20.504	ng	95
90) Dibenzo(a,h)anthracene	17.02	278	47049	2.951	ng	94
91) Benzo(g,h,i)perylene	17.46	276	133902	8.580	ng	99

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

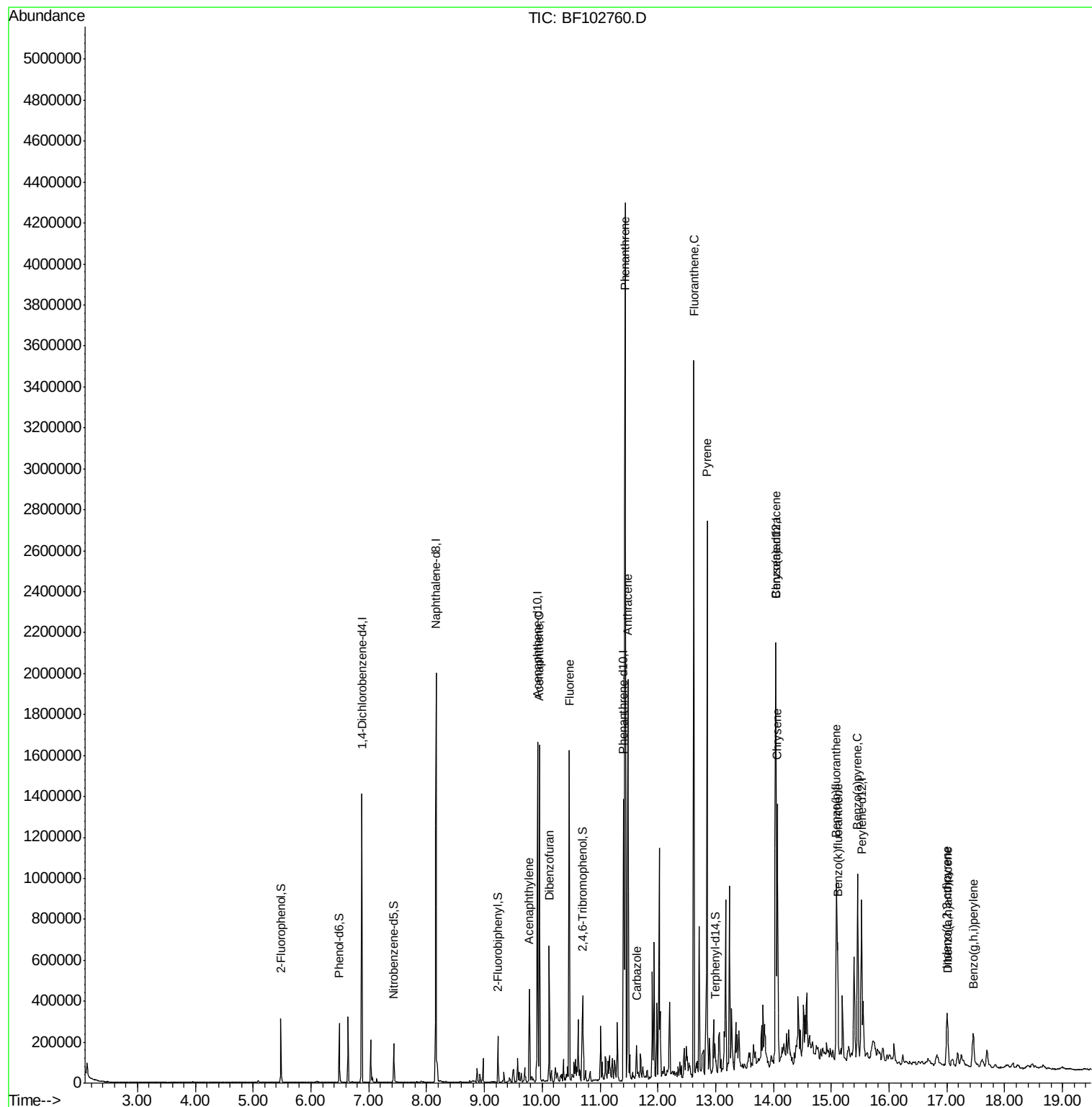
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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ALS Vial : 33 Sample Multiplier: 1

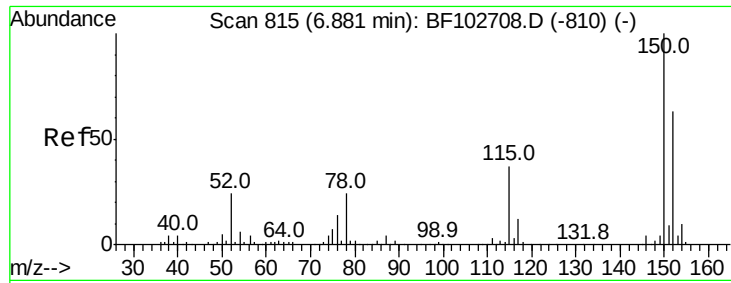
Instrument :
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A2 SB45 BOT-N 10

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Quant Time: Feb 06 06:28:56 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

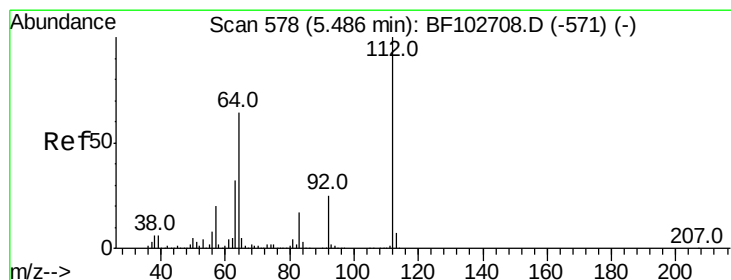
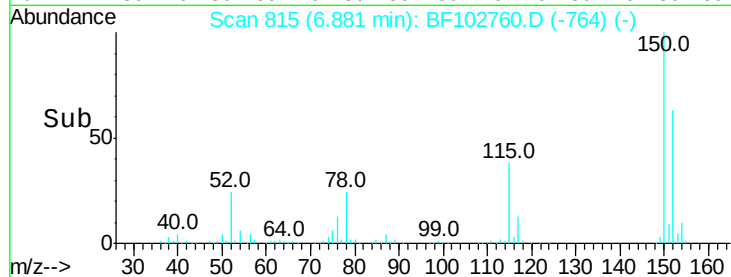
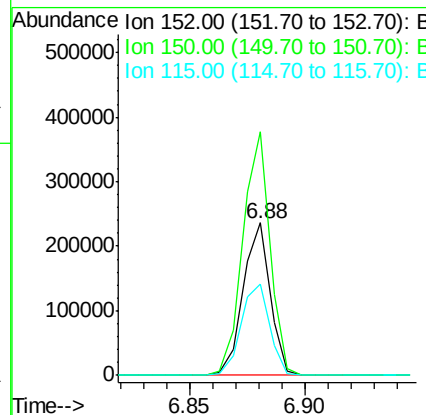
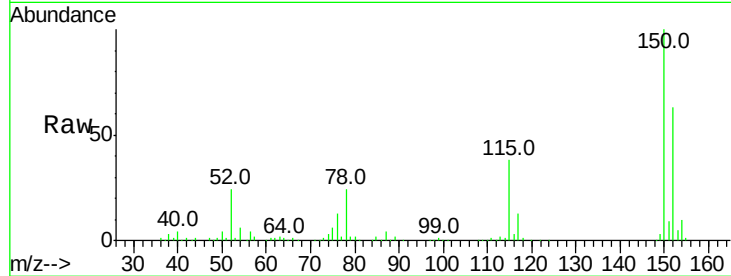
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Instrument :
BNA_F
ClientSampleId :
A2_SB45_BOT-N_10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	60.3	50.1	75.1

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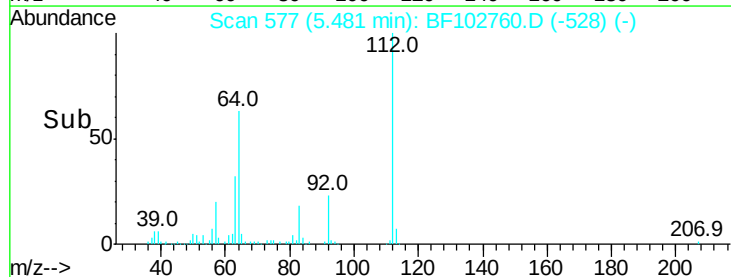
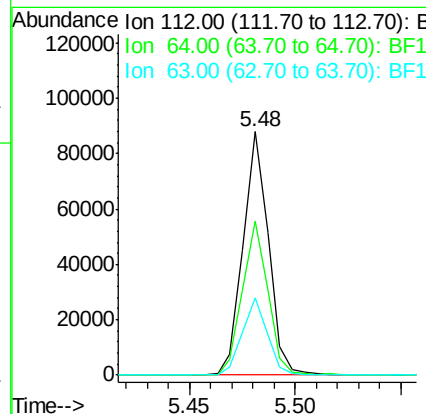
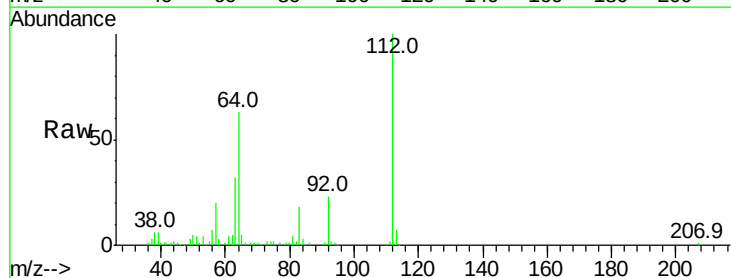
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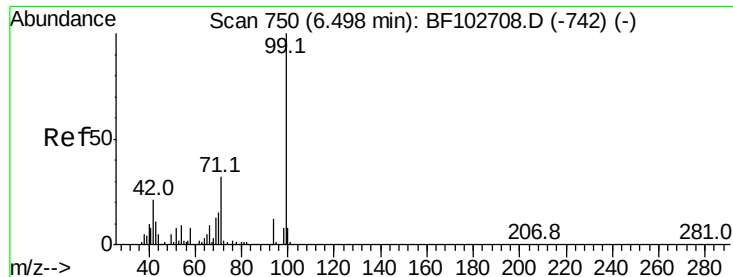


#5

2-Fluorophenol
Concen: 5.702 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	31.7	23.7	35.5





#7

Phenol-d6

Concen: 5.688 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

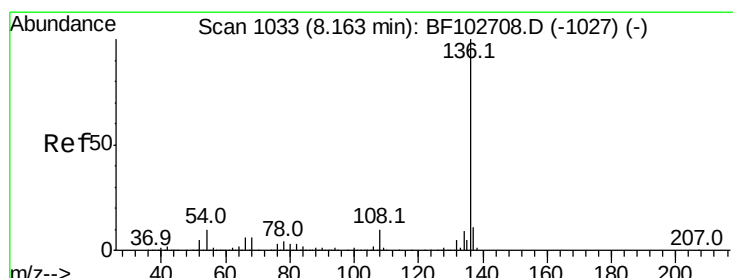
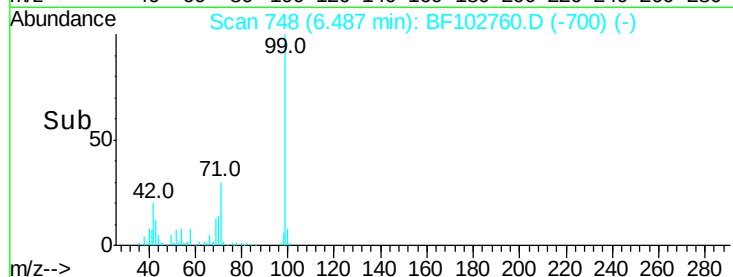
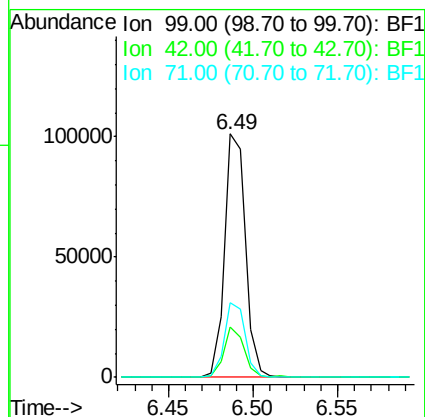
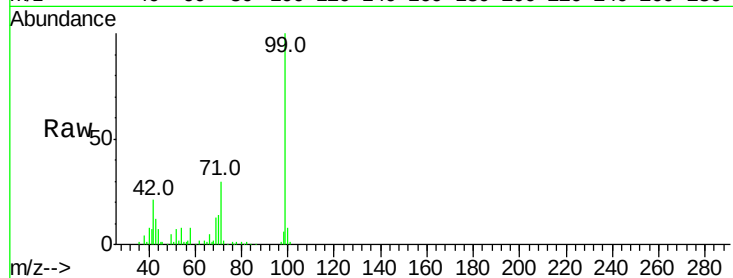
ClientSampleId :

A2 SB45 BOT-N 10

Tot Ion:	99	Resp:	87546
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	30.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

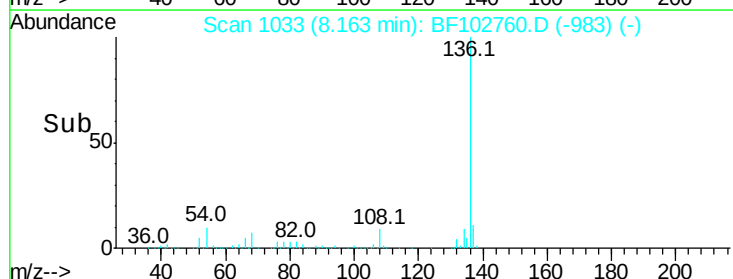
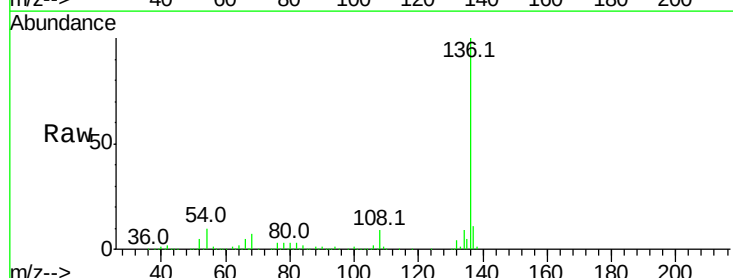
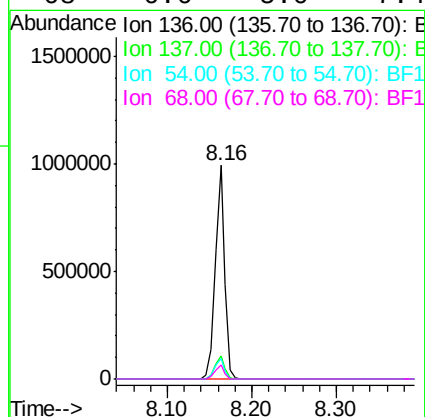
RT: 8.16 min Scan# 1033

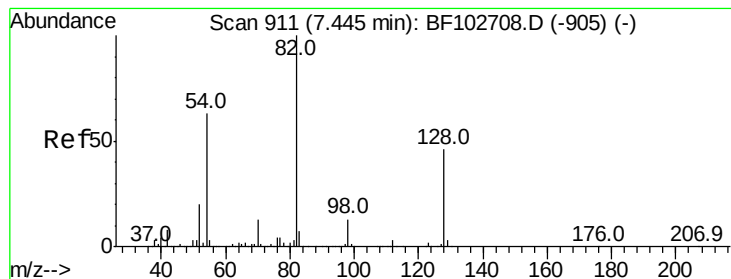
Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Tgt Ion:	136	Resp:	794771
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.8	6.6	9.8
68	6.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 4.120 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

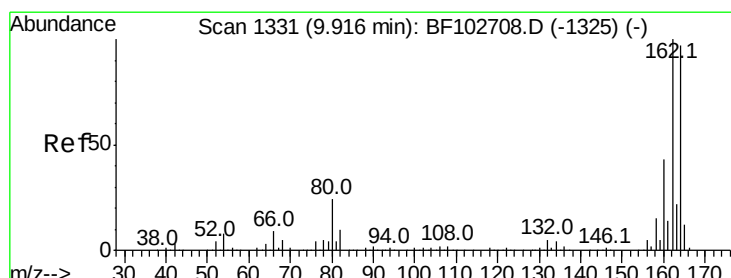
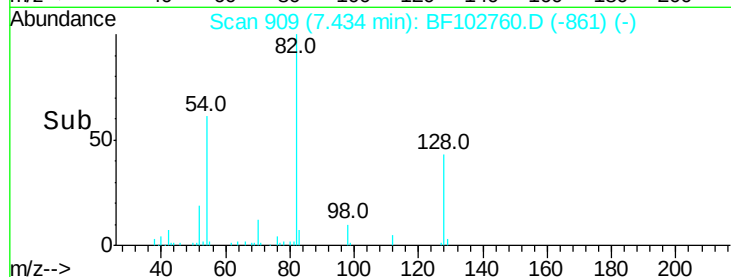
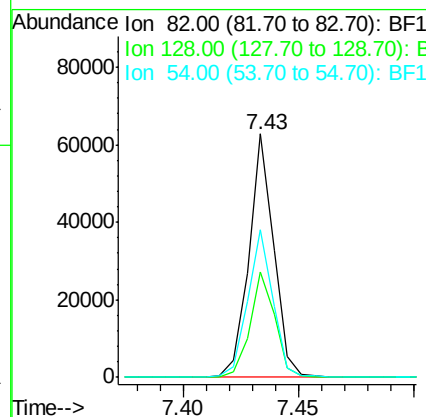
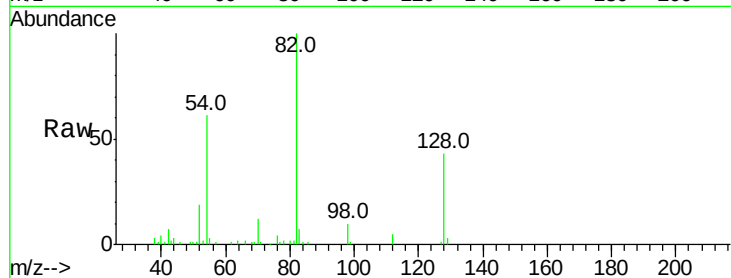
ClientSampleId :

A2 SB45 BOT-N 10

Tot Ion:	82	Resp:	47203
Ion Ratio	Lower	Upper	
82	100		
128	43.3	36.1	54.1
54	60.7	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

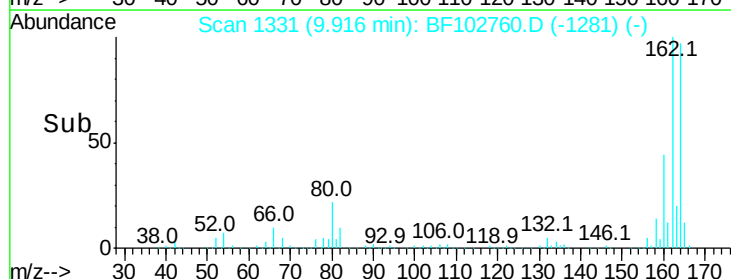
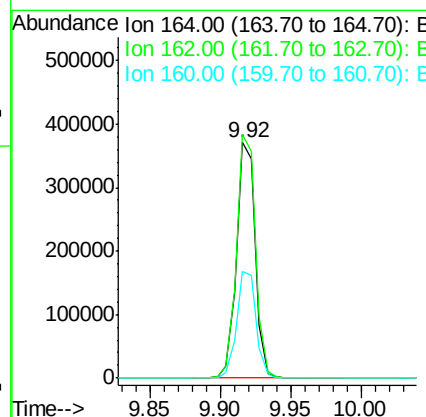
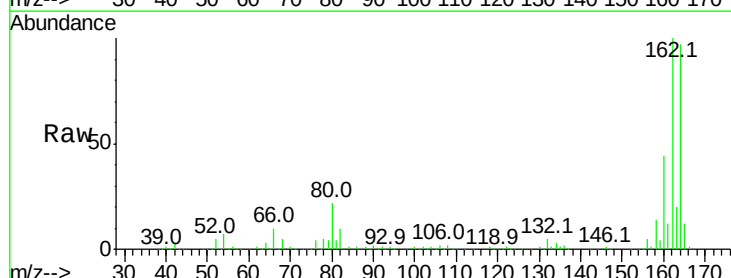
RT: 9.92 min Scan# 1331

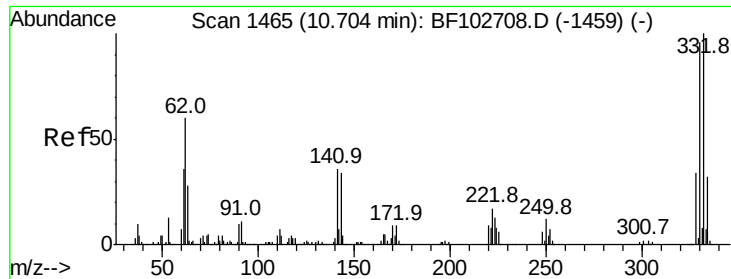
Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Tgt Ion:	164	Resp:	342699
Ion Ratio	Lower	Upper	
164	100		
162	103.3	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 4.206 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

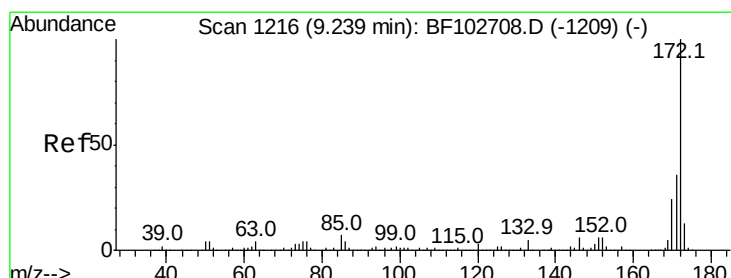
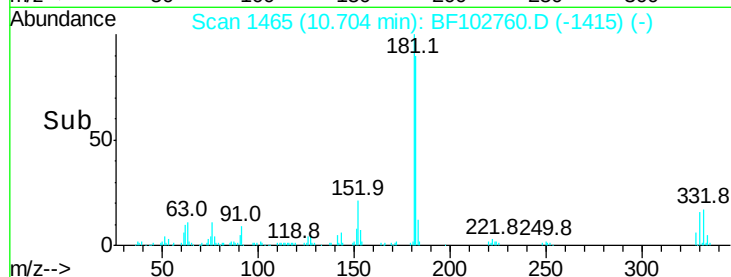
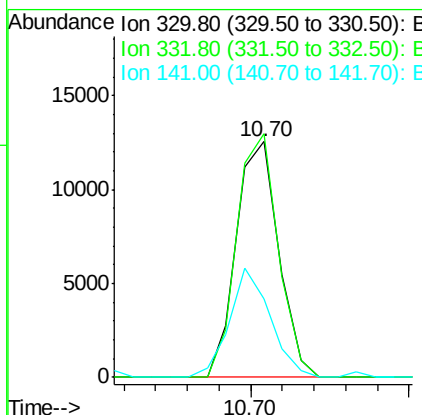
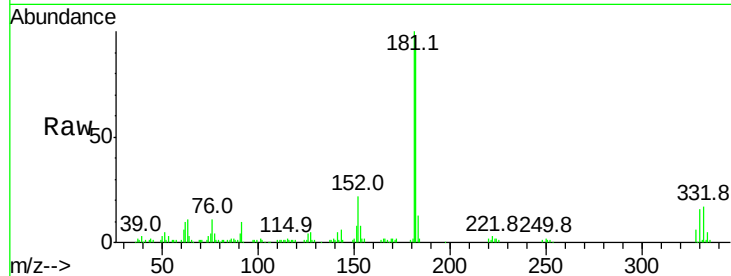
ClientSampleId :

A2 SB45 BOT-N 10

Tot Ion:	330	Resp:	11602
Ion Ratio	Lower	Upper	
330	100		
332	101.0	77.0	115.6
141	44.6	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 2.789 ng

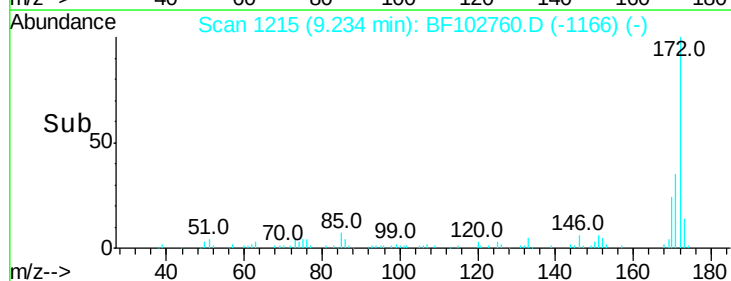
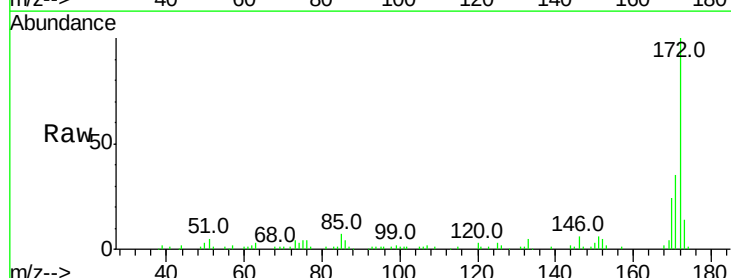
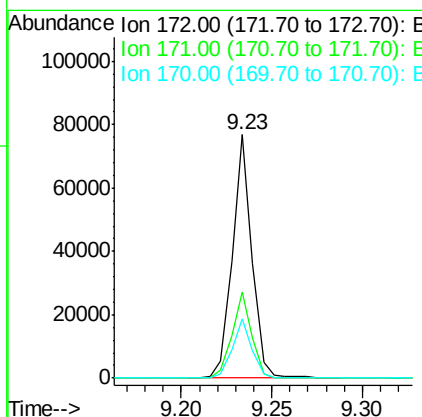
RT: 9.23 min Scan# 1215

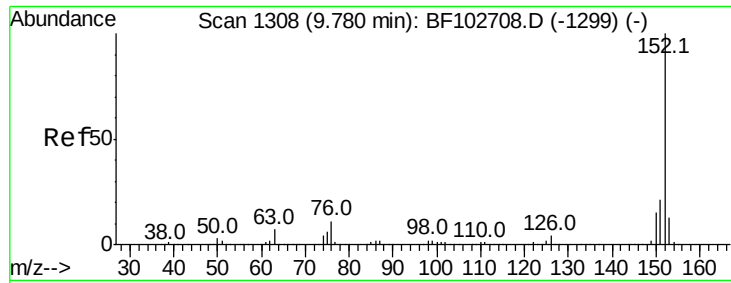
Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Tgt Ion:	172	Resp:	57609
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	24.2	19.6	29.4





#48

Acenaphthylene

Concen: 4.993 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

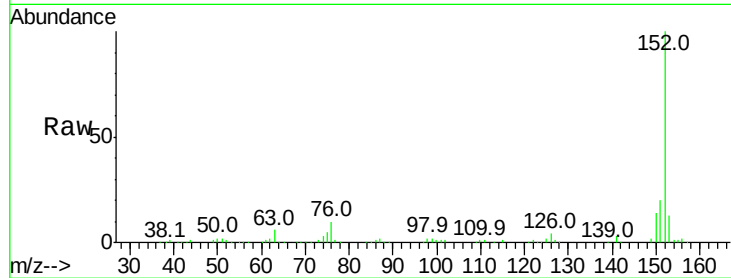
ClientSampleId :

A2 SB45 BOT-N 10

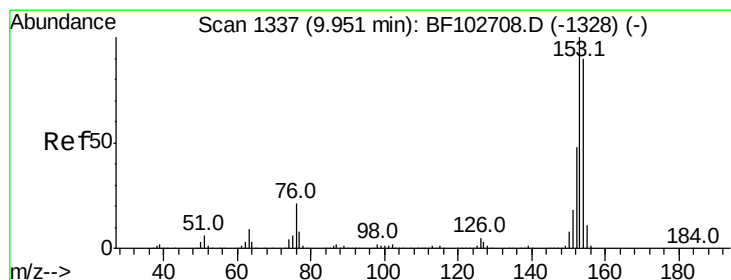
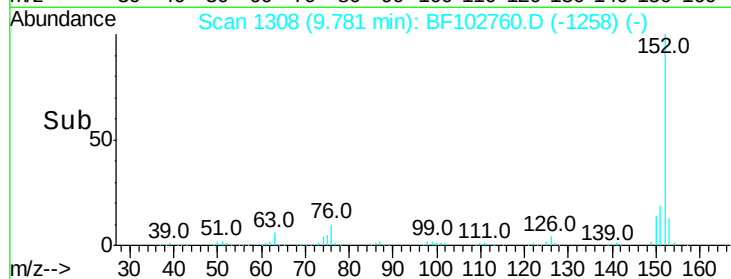
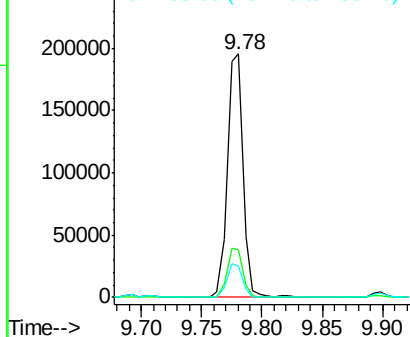
Tot Ion:	152	Resp:	176211
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	12.9	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 14.271 ng

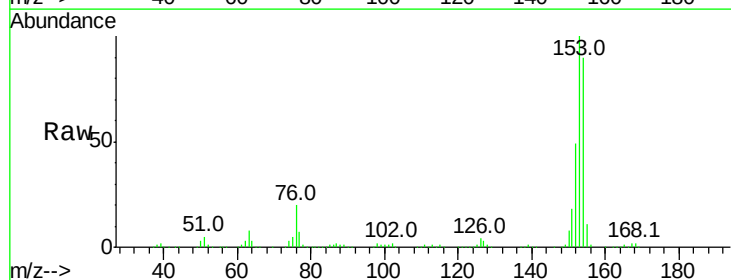
RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

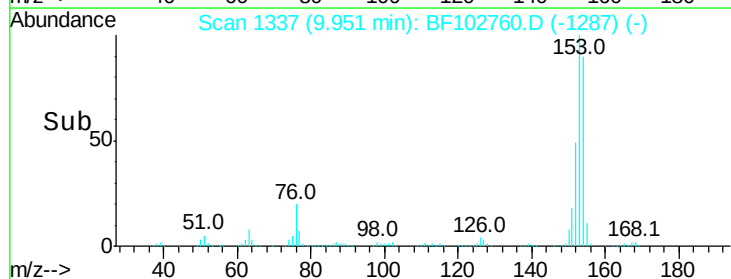
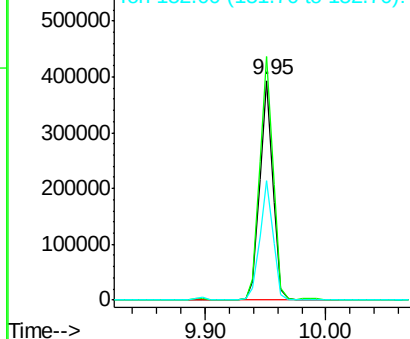
Lab File: BF102760.D

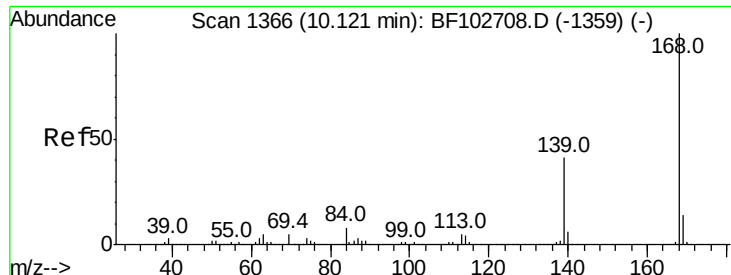
Acq: 6 Feb 2018 2:10

Tgt Ion:	154	Resp:	301225
Ion Ratio	Lower	Upper	
154	100		
153	111.0	91.2	136.8
152	54.5	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





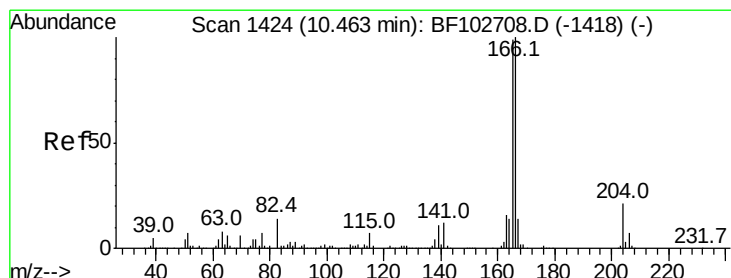
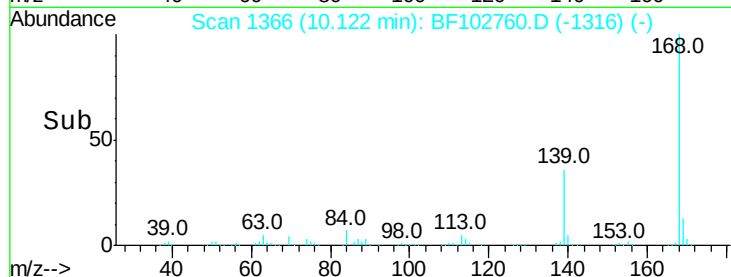
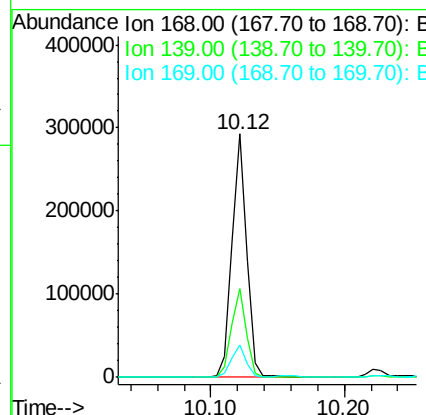
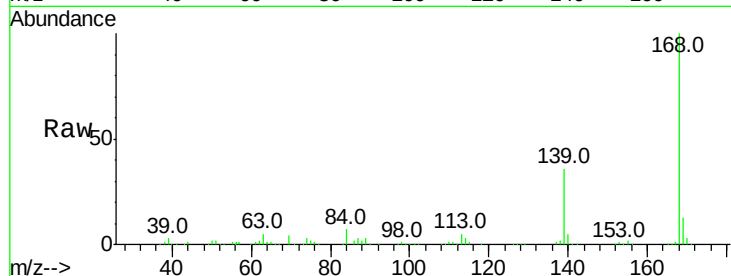
#54
Dibenzenofuran
Concen: 7.769 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Instrument :
BNA_F
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A2_SB45_BOT-N_10

Tot Ion	Ratio	Resp	Lower	Upper
168	100	231087		
139	36.3		30.1	45.1
169	13.2		10.9	16.3

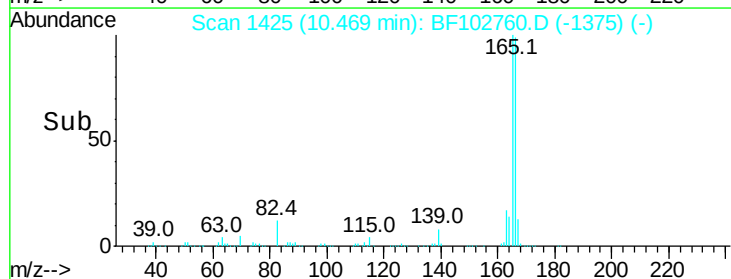
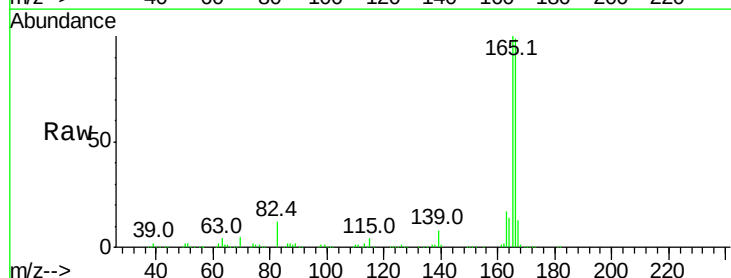
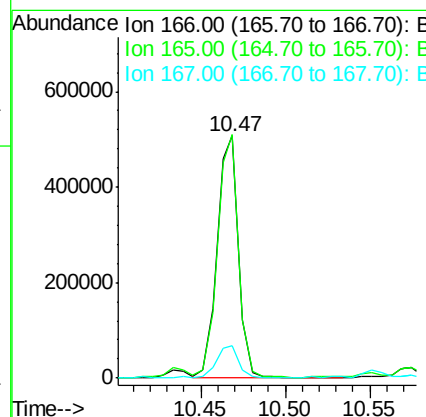
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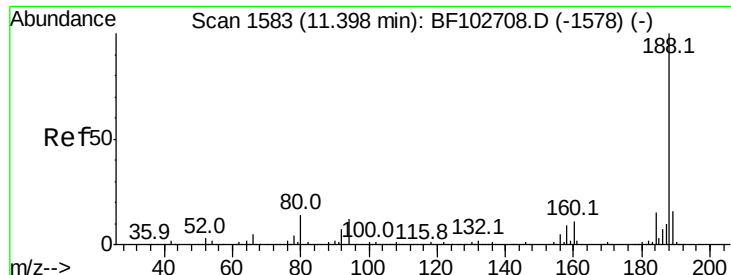
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#57
Fluorene
Concen: 20.602 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	445883		
165	100.7		79.8	119.8
167	13.3		10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

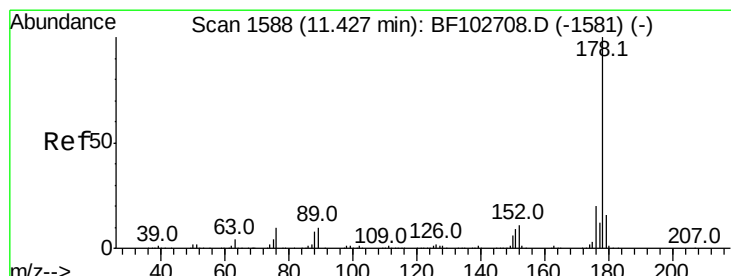
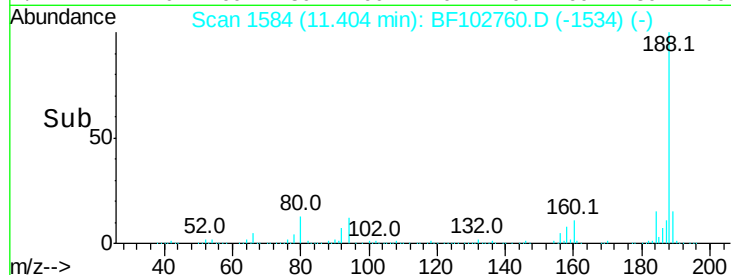
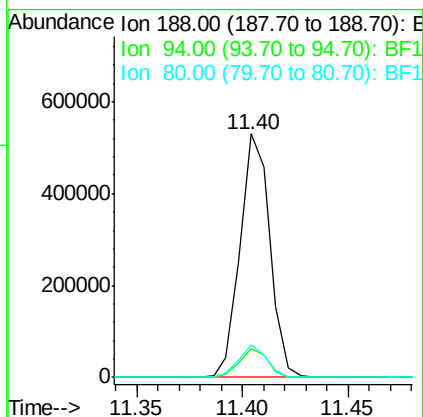
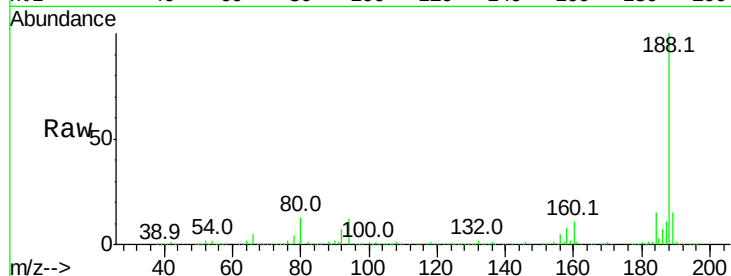
ClientSampleId :

A2_SB45_BOT-N_10

Tot Ion:	188	Resp:	516523
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.5	12.7
80	13.3	9.2	13.8

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#70

Phenanthrene

Concen: 54.730 ng

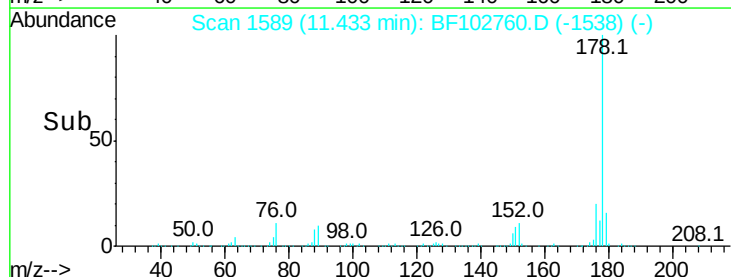
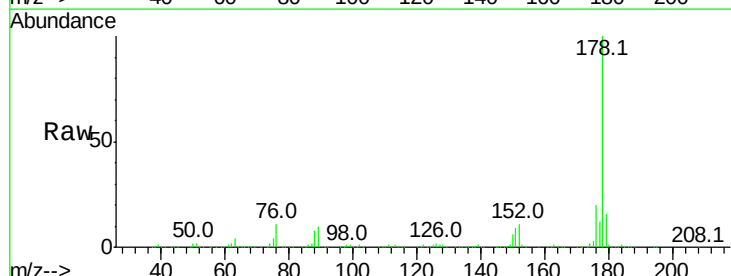
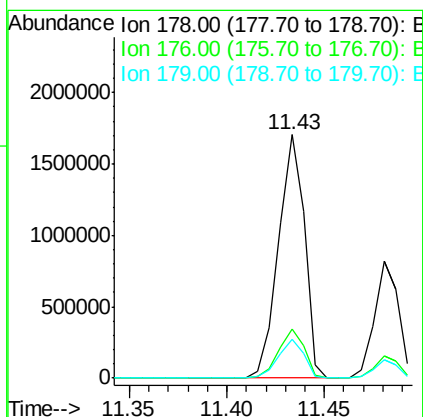
RT: 11.43 min Scan# 1589

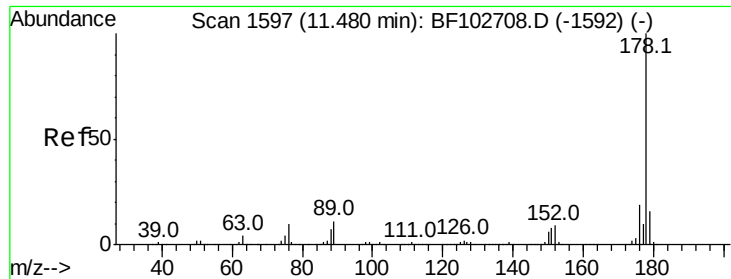
Delta R.T. 0.00 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Tgt Ion:	178	Resp:	1574406
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.8
179	16.0	13.0	19.6





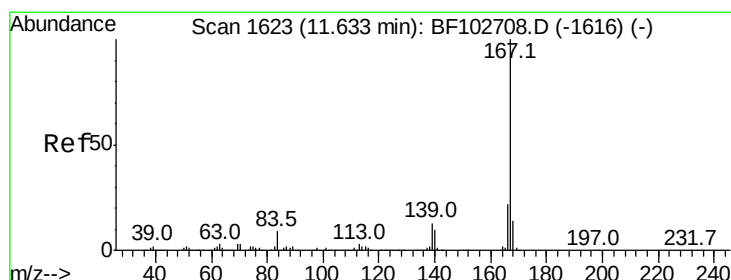
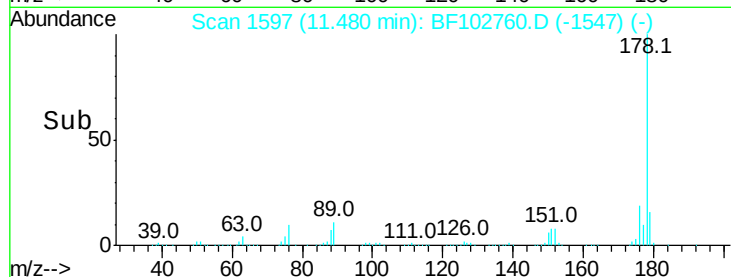
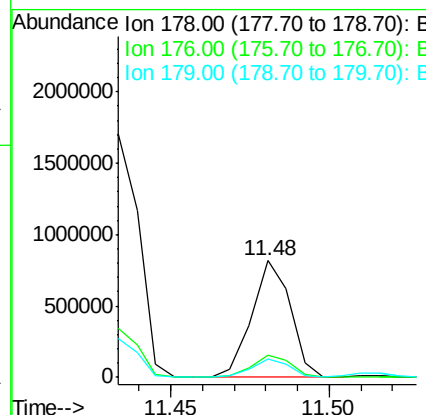
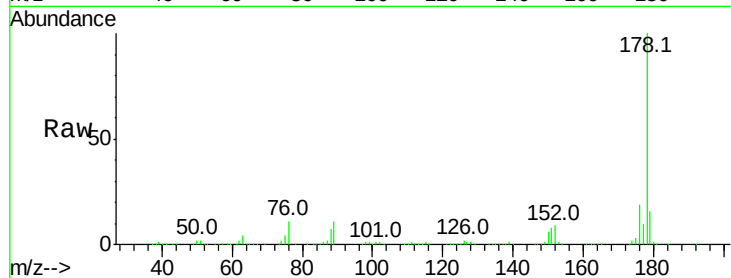
#71
 Anthracene
 Concen: 23.598 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102760.D
 Acq: 6 Feb 2018 2:10

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB45_BOT-N_10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.9	12.6	19.0

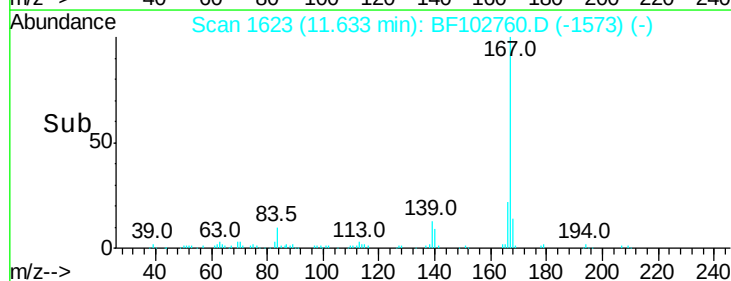
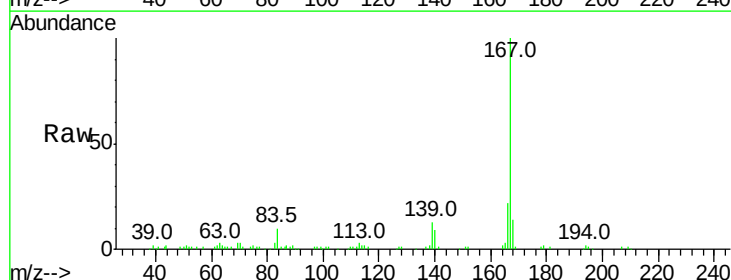
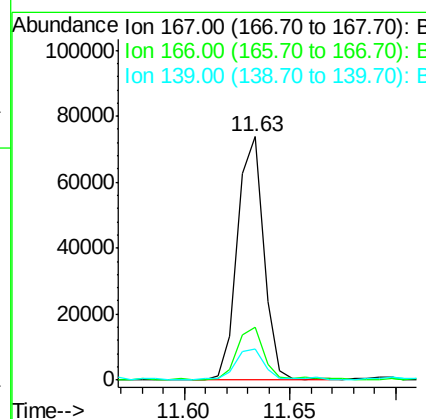
Manual Integrations
 APPROVED

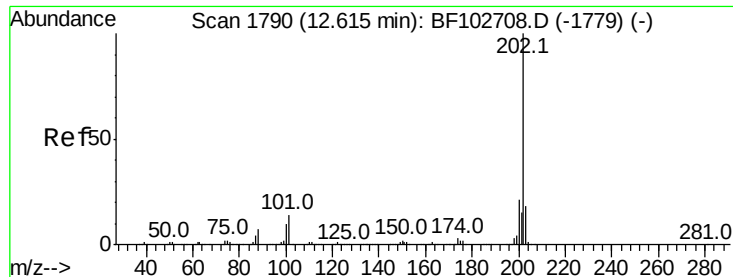
Sohil
 2/6/2018 2:26:05 PM



#72
 Carbazole
 Concen: 2.210 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF102760.D
 Acq: 6 Feb 2018 2:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 48.063 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

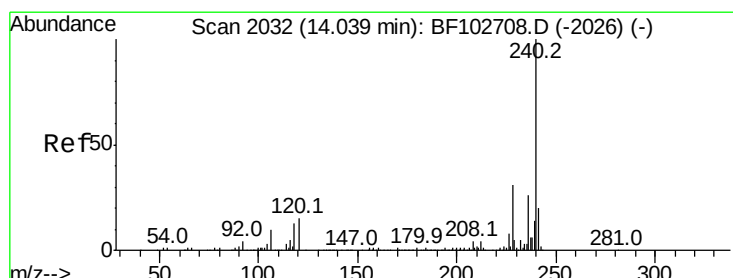
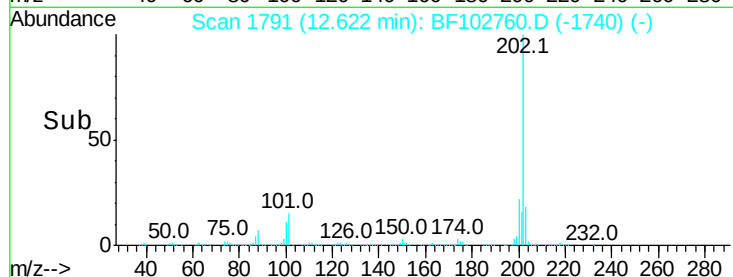
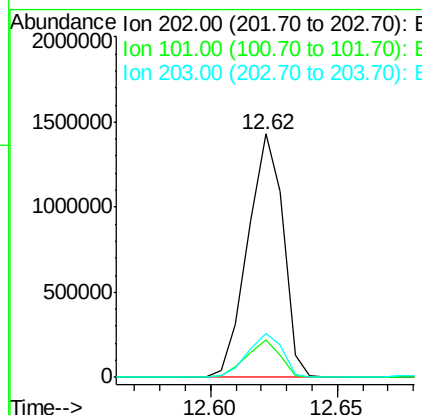
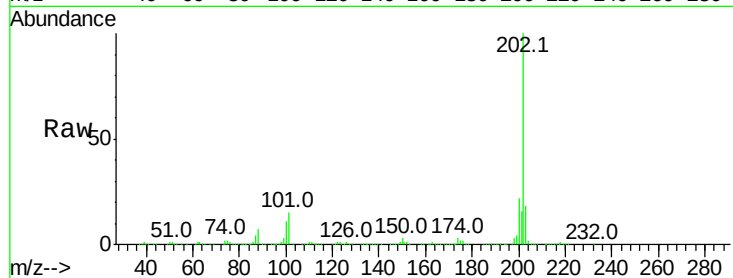
ClientSampleId :

A2 SB45 BOT-N 10

Tot Ion:	202	Resp:	1391084
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
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Sohil
2/6/2018 2:26:05 PM



#75

Chrysene-d12

Concen: 20.000 ng

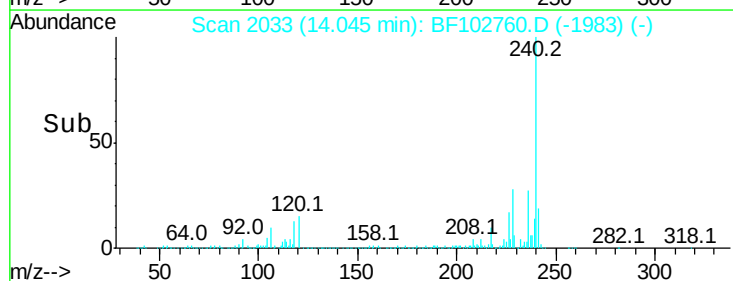
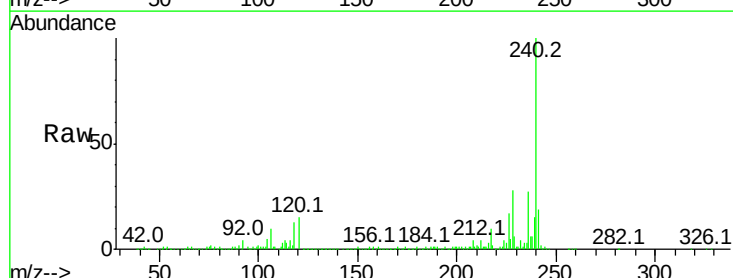
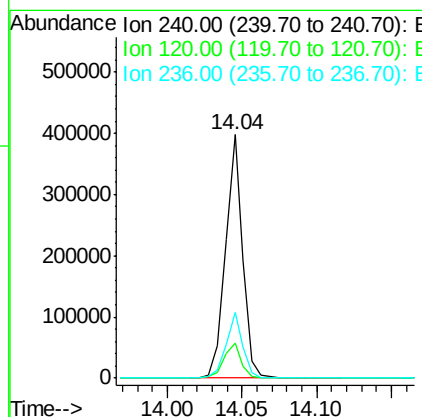
RT: 14.04 min Scan# 2033

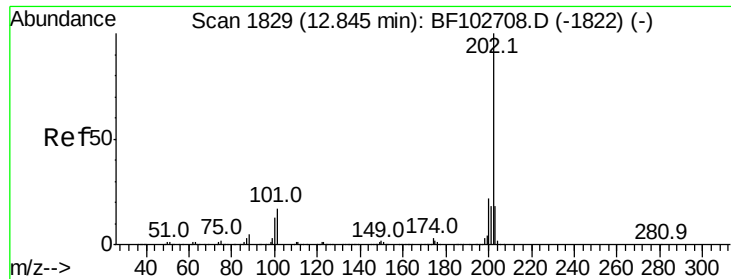
Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Tgt Ion:	240	Resp:	322328
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	27.1	20.7	31.1





#77

Pvrene

Concen: 41.859 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

ClientSampleId :

A2 SB45 BOT-N 10

Tot Ion:202 Resp: 1058005

Ion Ratio Lower Upper

202 100

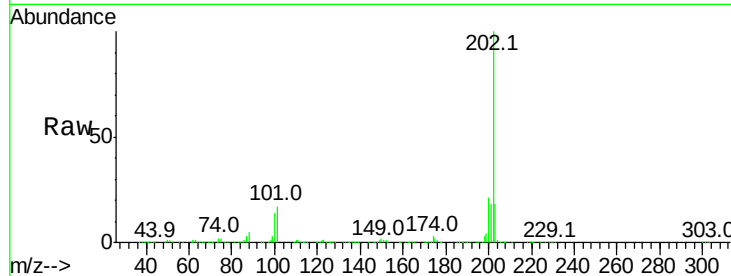
200 21.4 17.4 26.2

203 18.1 14.3 21.5

Manual Integrations
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Sohil

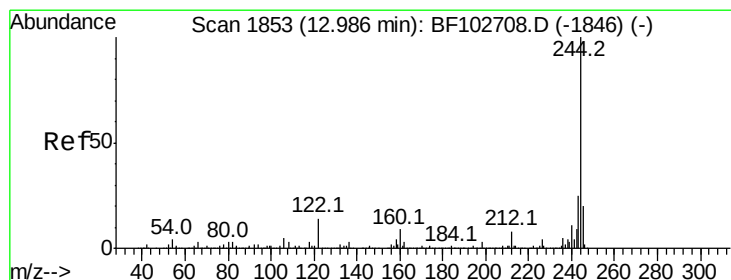
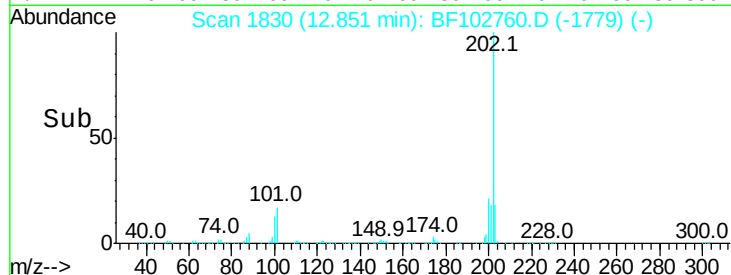
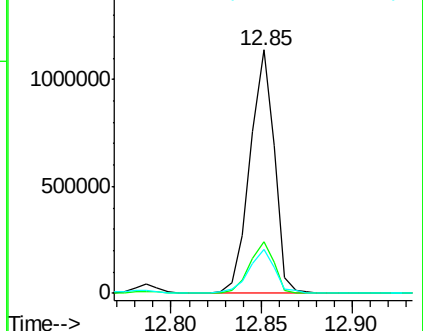
2/6/2018 2:26:05 PM



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: 2.808 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

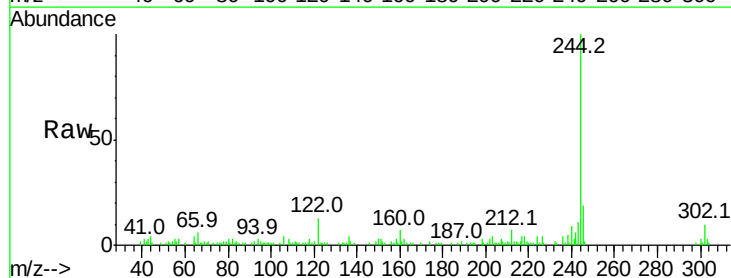
Tgt Ion:244 Resp: 38221

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

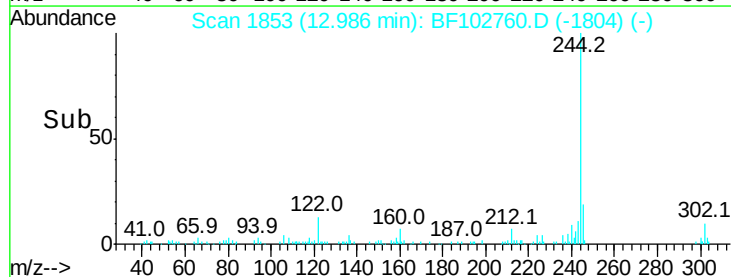
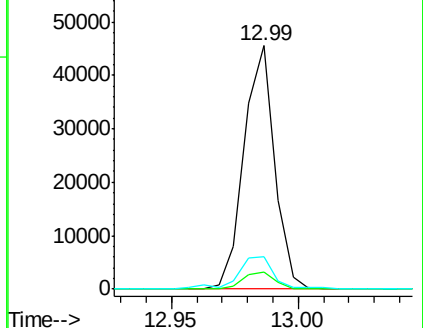
122 13.2 11.0 16.4

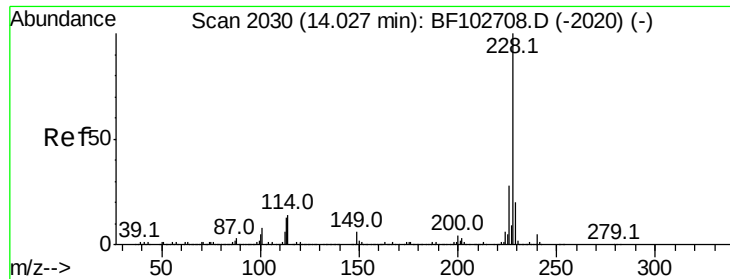


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





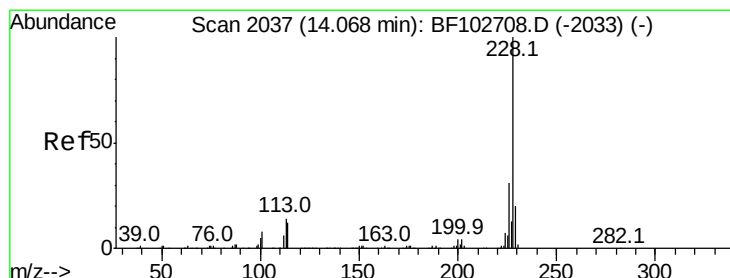
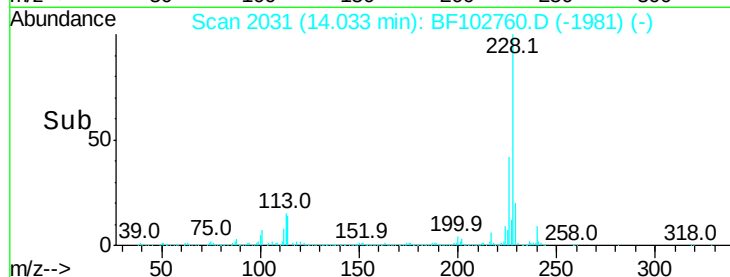
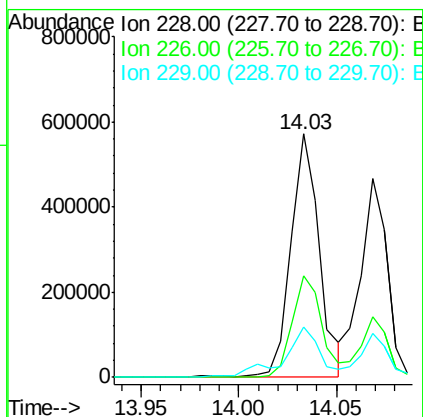
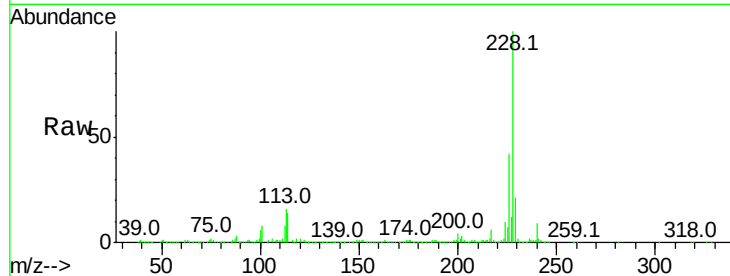
#80
Benzo(a)anthracene
Concen: 28.497 ng m
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Instrument :
BNA_F
ClientSampleId :
A2_SB45_BOT-N_10

Tot Ion	Ratio	Lower	Upper
228	100		
226	41.9	22.6	33.8#
229	20.7	15.8	23.6

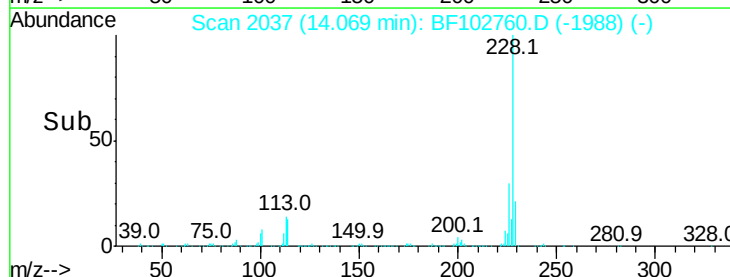
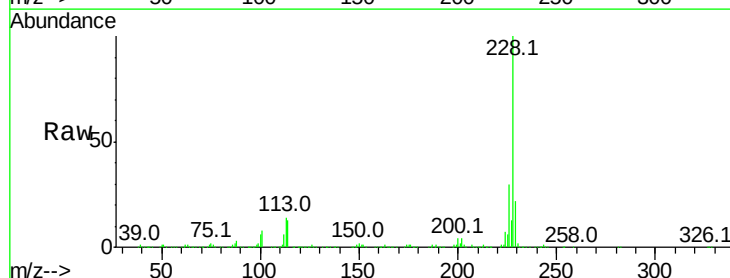
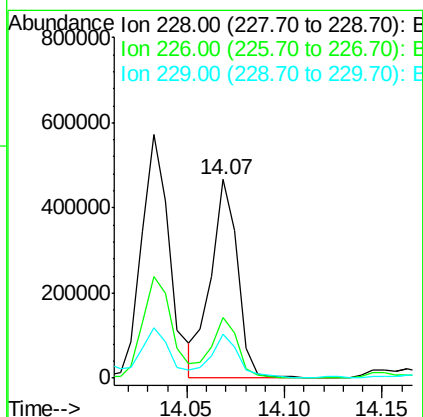
Manual Integrations
APPROVED

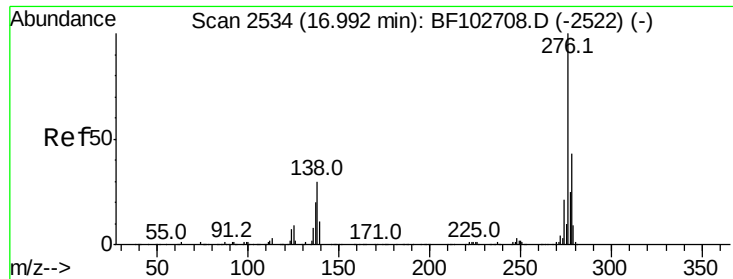
Sohil
2/6/2018 2:26:05 PM



#82
Chrysene
Concen: 21.495 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4





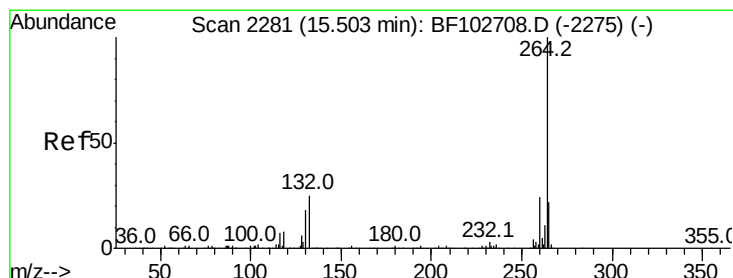
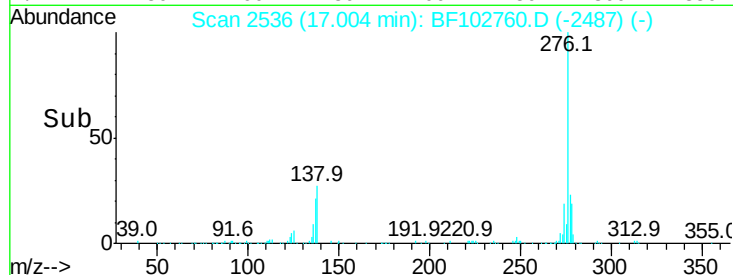
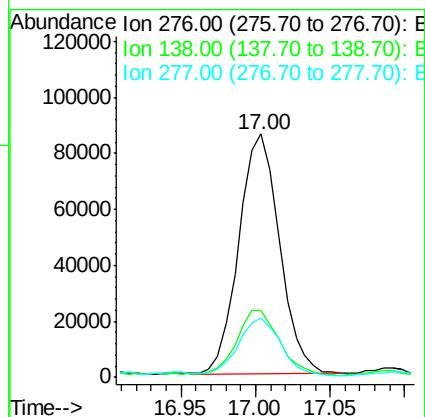
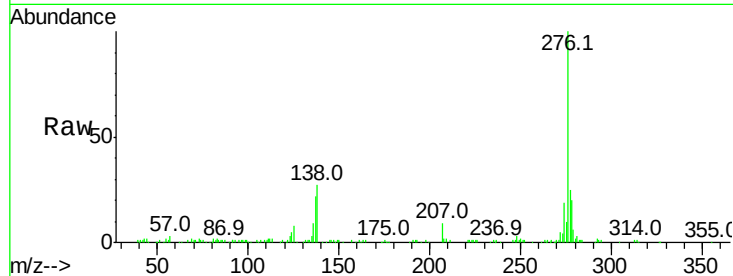
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.582 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Instrument :
BNA_F
ClientSampleId :
A2_SB45_BOT-N_10

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.0	37.6
277	24.8	20.1	30.1

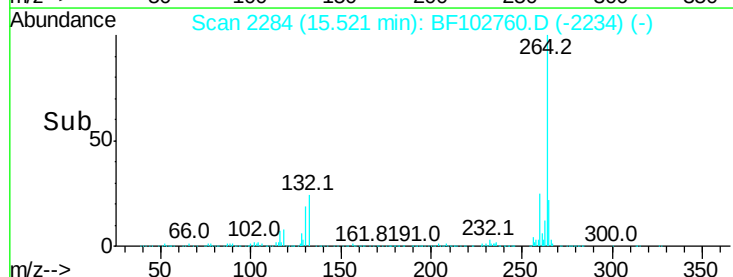
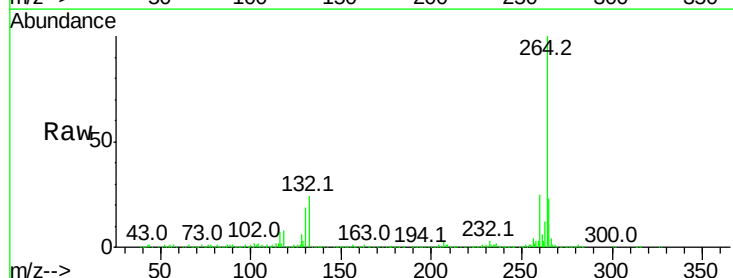
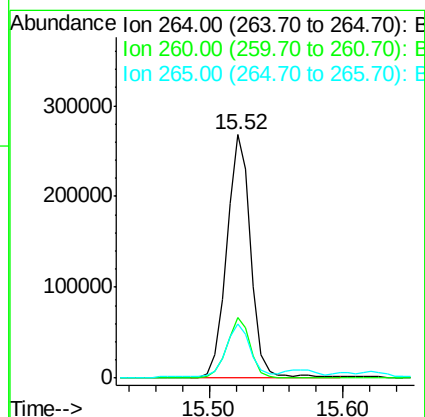
Manual Integrations
APPROVED

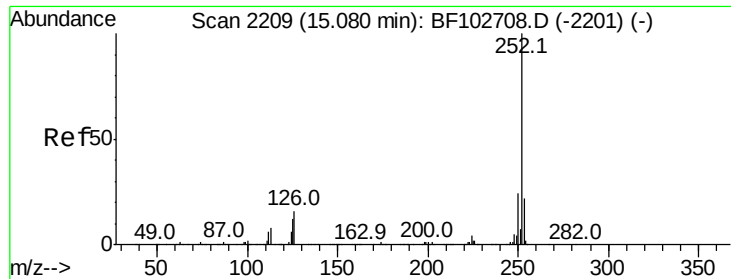
Sohil
2/6/2018 2:26:05 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.5	26.3





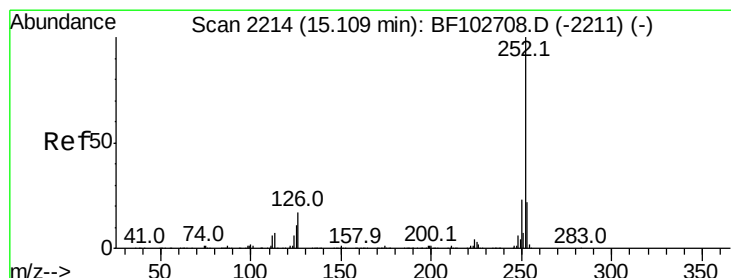
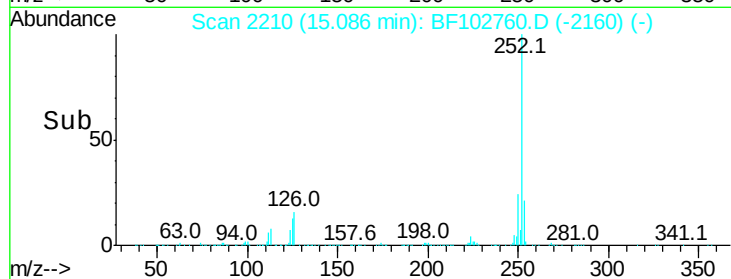
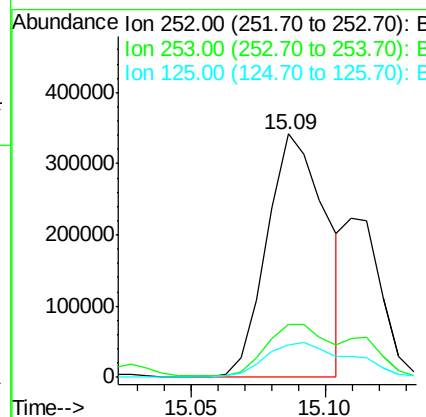
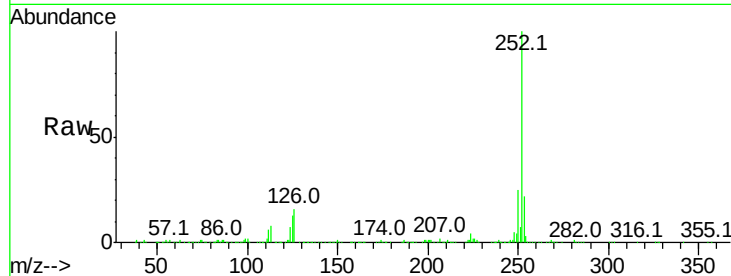
#87
Benzo(b)fluoranthene
Concen: 23.877 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Instrument :
BNA_F
ClientSampleId :
A2_SB45_BOT-N_10

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	13.4	9.0	13.6

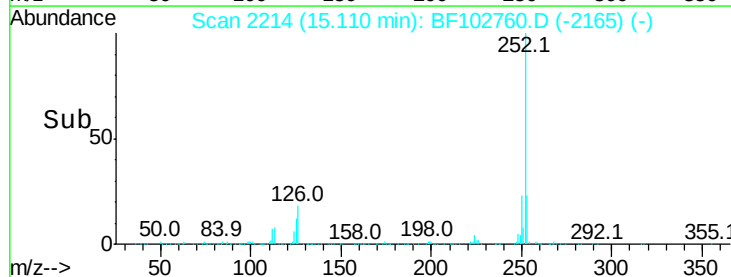
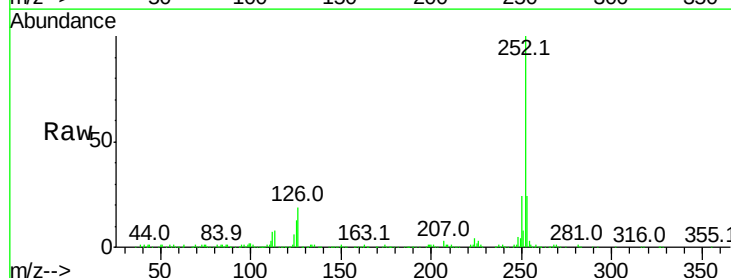
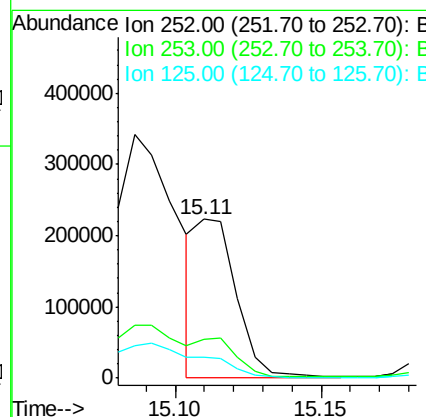
Manual Integrations
APPROVED

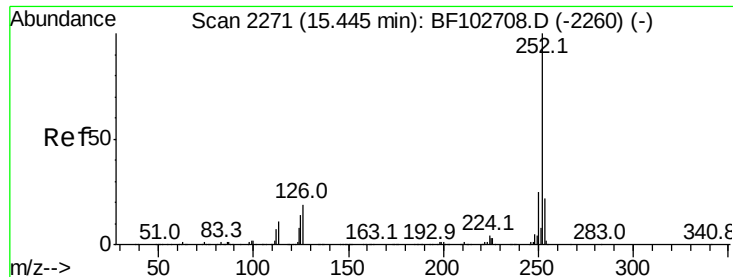
Sohil
2/6/2018 2:26:05 PM



#88
Benzo(k)fluoranthene
Concen: 10.105 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.0	10.2	15.2





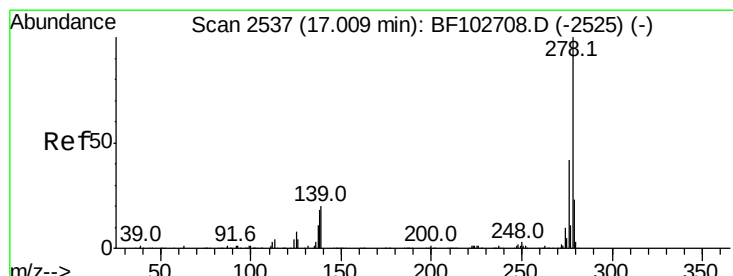
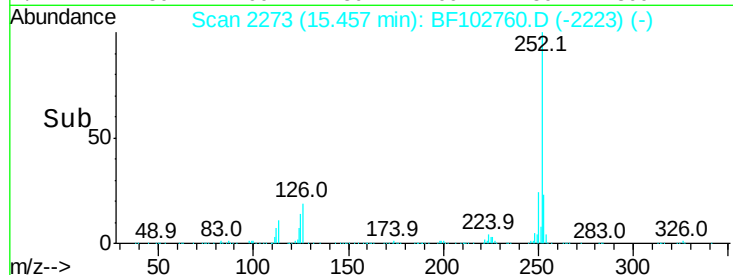
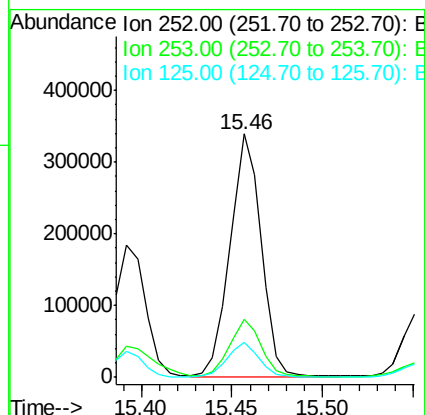
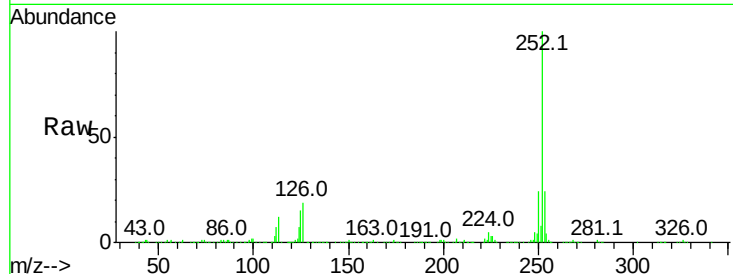
#89
Benzo(a)pyrene
Concen: 20.504 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Instrument :
BNA_F
ClientSampleId :
A2_SB45_BOT-N_10

Tot Ion:	252	Resp:	402778
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	14.6	9.8	14.6

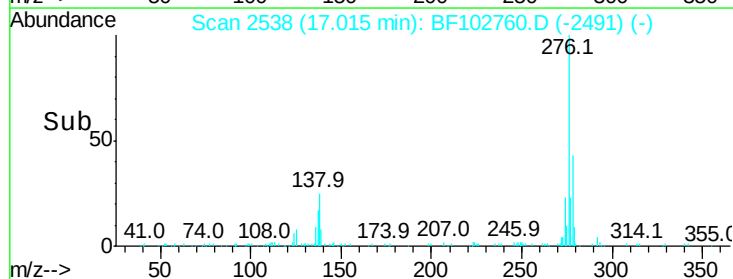
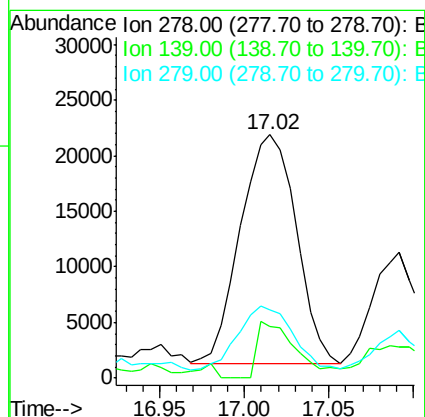
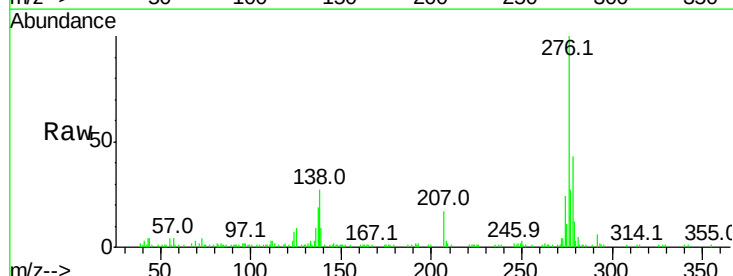
Manual Integrations
APPROVED

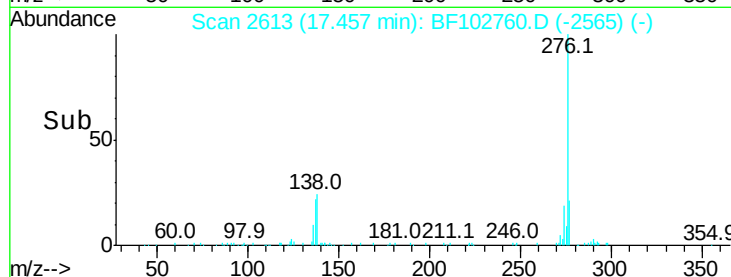
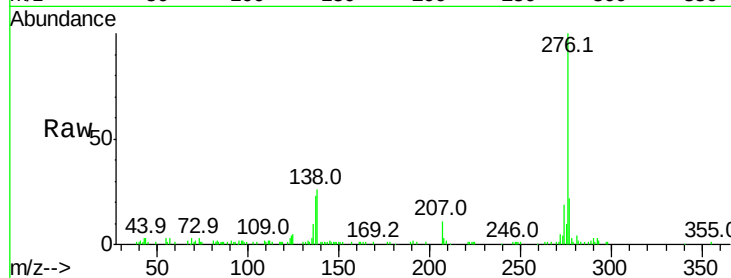
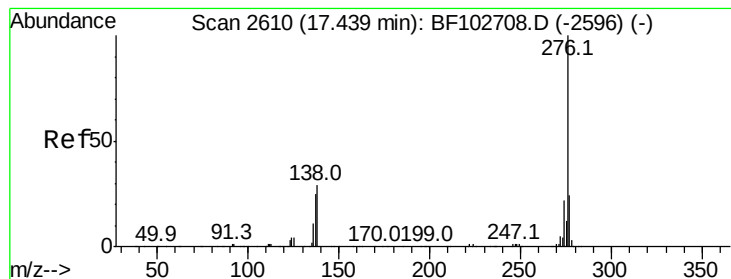
Sohil
2/6/2018 2:26:05 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.951 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF102760.D
Acq: 6 Feb 2018 2:10

Tgt Ion:	278	Resp:	47049
Ion Ratio	Lower	Upper	
278	100		
139	21.2	15.9	23.9
279	27.9	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 8.580 ng

RT: 17.46 min Scan# 2613

Delta R.T. -0.02 min

Lab File: BF102760.D

Acq: 6 Feb 2018 2:10

Instrument :

BNA_F

ClientSampleId :

A2 SB45 BOT-N 10

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.0	17.9	26.9
138	26.5	21.8	32.8

Manual Integrations
APPROVED

Sohil
2/6/2018 2:26:05 PM

