

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102788.D
 Acq On : 6 Feb 2018 17:07
 Operator : SJ/JU
 Sample : J1454-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-ST-LATERAL-LINE-1-SW@3.5

Manual Integrations
 APPROVED

Sohil
 2/7/2018 4:17:22 PM

Quant Time: Feb 06 18:43:08 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	184234	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	730714	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	286241	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	393856	20.00	ng	0.00
75) Chrysene-d12	14.05	240	339630	20.00	ng	0.00
86) Perylene-d12	15.53	264	333622	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1240594	102.26	ng	0.01
7) Phenol-d6	6.51	99	1443292	98.81	ng	0.00
23) Nitrobenzene-d5	7.45	82	870661	82.66	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	206606	89.68	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1419074	82.26	ng	0.00
78) Terphenyl-d14	12.99	244	948147	66.10	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	36807	2.351	ng	100
31) Naphthalene	8.19	128	78093	2.187	ng	99
49) Dimethylphthalate	9.63	163	151898	6.806	ng	99
51) Acenaphthene	9.95	154	65656	3.724	ng	96
54) Dibenzofuran	10.12	168	67709	2.725	ng	99
57) Fluorene	10.47	166	102959	5.696	ng	98
70) Phenanthrene	11.43	178	750167	34.199	ng	98
71) Anthracene	11.48	178	233056	10.446	ng	99
72) Carbazole	11.63	167	67510	3.089	ng	98
74) Fluoranthene	12.62	202	959546	43.479	ng	98
77) Pyrene	12.85	202	875254	32.864	ng	99
80) Benzo(a)anthracene	14.04	228	428384	20.056	ng	98
82) Chrysene	14.07	228	382198	17.751	ng	97
85) Indeno(1,2,3-cd)pyrene	17.02	276	162758	9.114	ng	97
87) Benzo(b)fluoranthene	15.09	252	481349m	22.254	ng	
88) Benzo(k)fluoranthene	15.12	252	172690m	8.356	ng	
89) Benzo(a)pyrene	15.46	252	355308	18.249	ng	# 96
90) Dibenzo(a,h)anthracene	17.03	278	40122	2.539	ng	# 91
91) Benzo(a,h,i)perylene	17.47	276	157156	10.160	ng	98

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

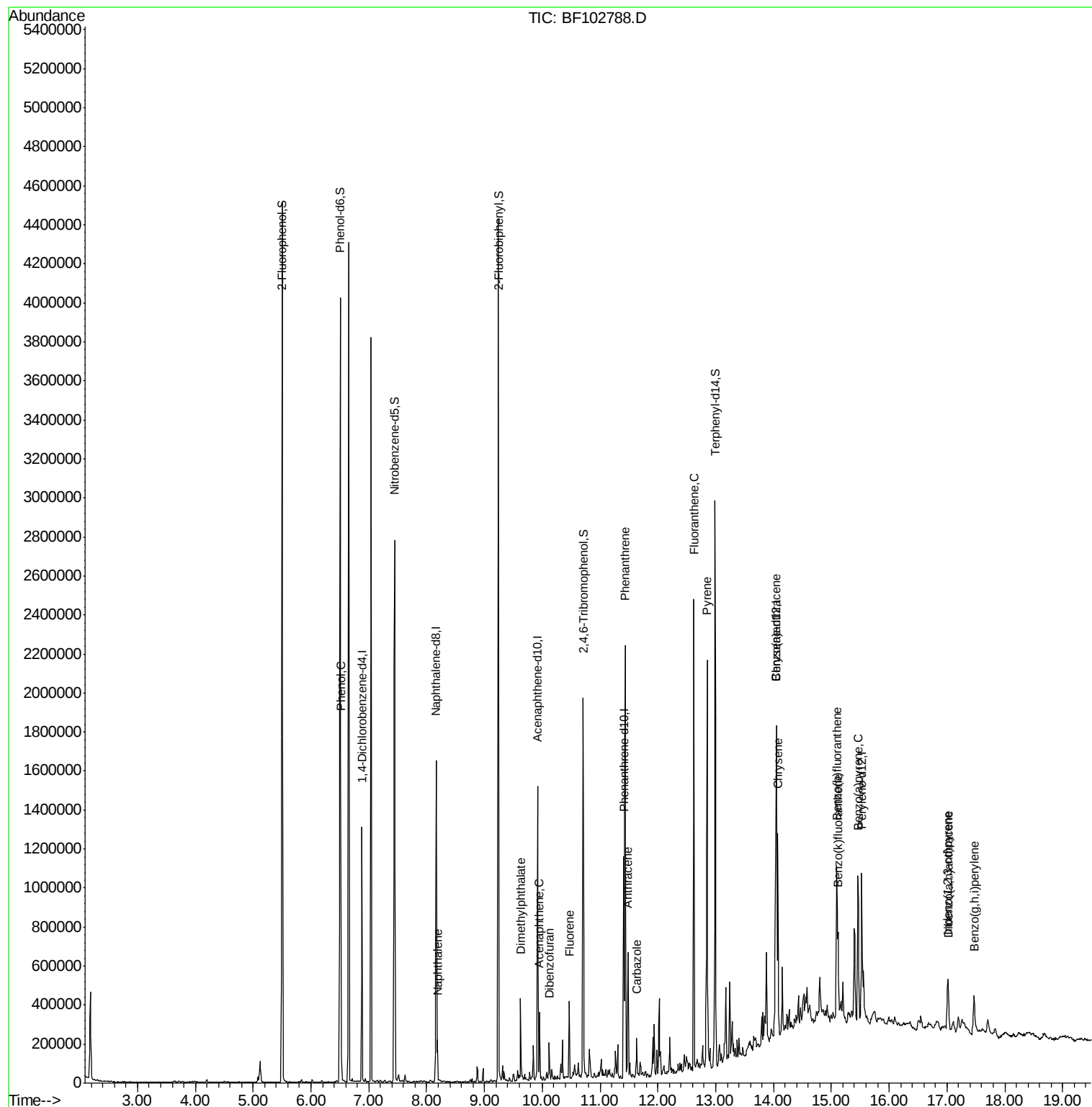
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
Data File : BF102788.D
Acq On : 6 Feb 2018 17:07
Operator : SJ/JU
Sample : J1454-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

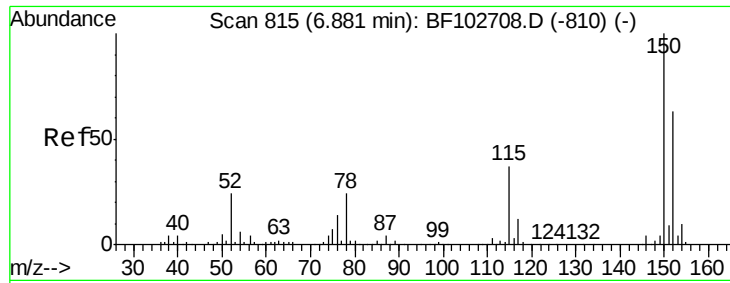
Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM

Quant Time: Feb 06 18:43:08 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





#1

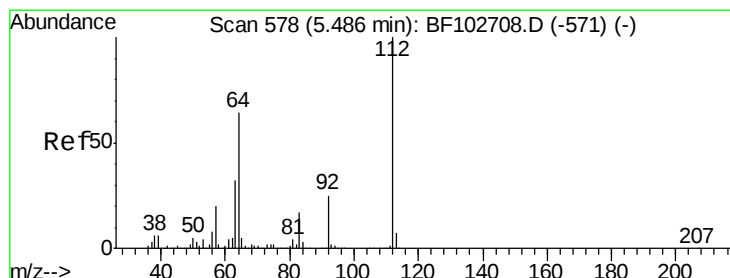
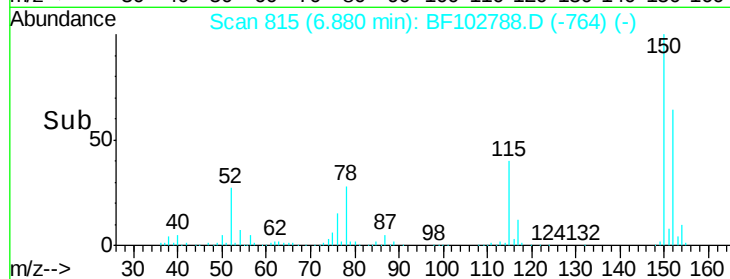
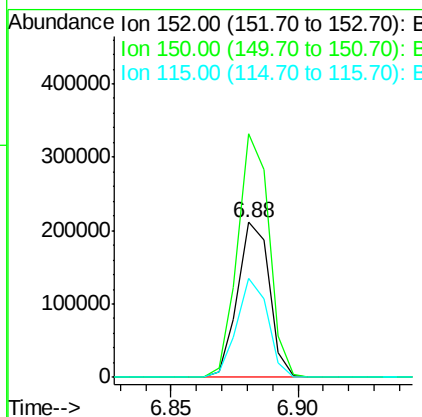
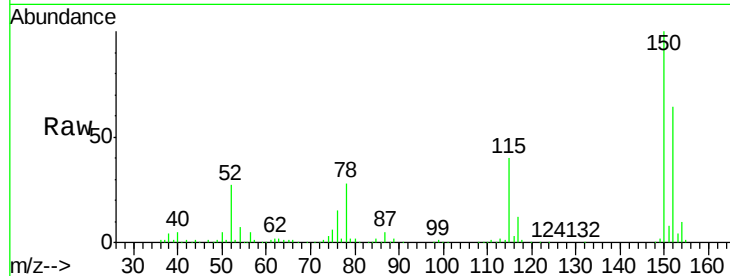
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	63.7	50.1	75.1

Manual Integrations
APPROVED

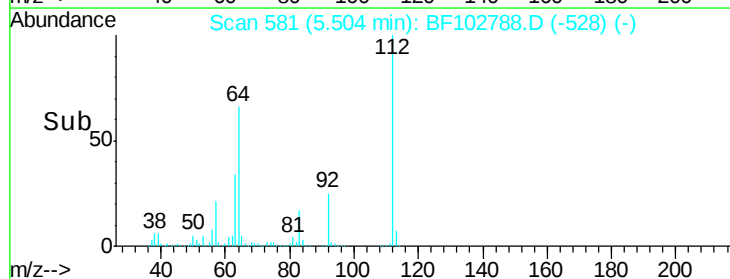
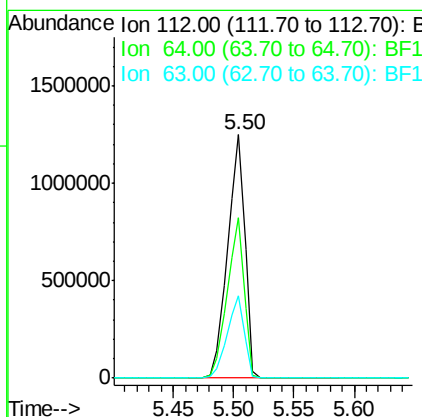
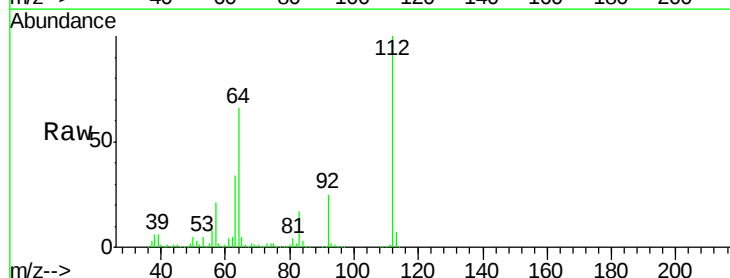
Sohil
2/7/2018 4:17:22 PM

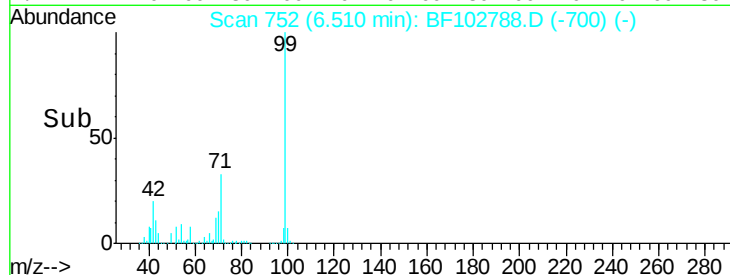
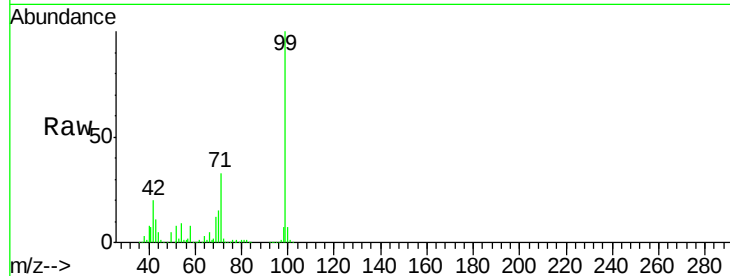
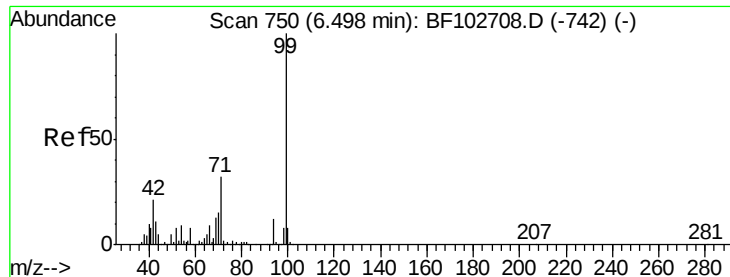


#5

2-Fluorophenol
Concen: 102.264 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 98.809 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tot Ion: 99 Resp: 1443292

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 33.1 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

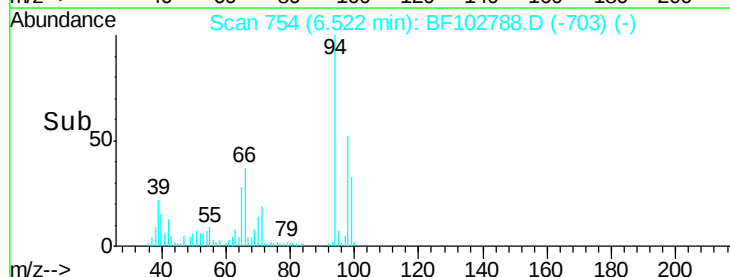
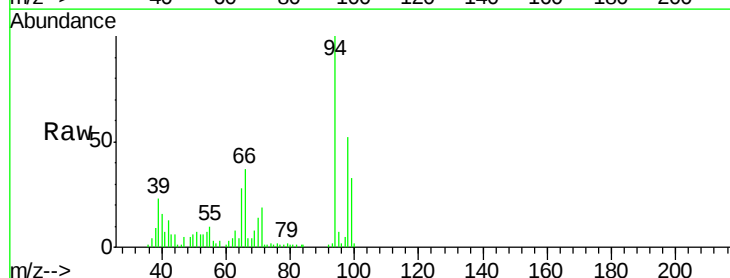
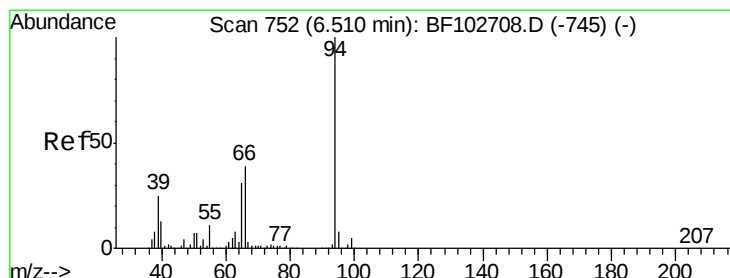
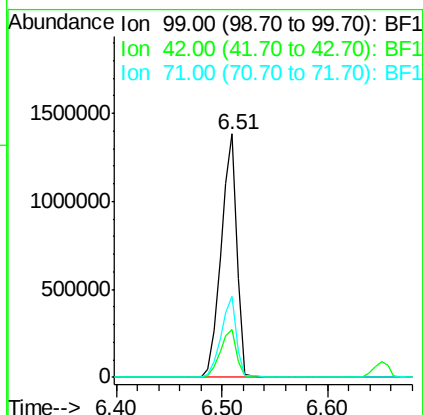
SA-ST-LATERAL-LINE-1-SW@3.5

Manual Integrations

APPROVED

Sohil

2/7/2018 4:17:22 PM



#10

Phenol

Concen: 2.351 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

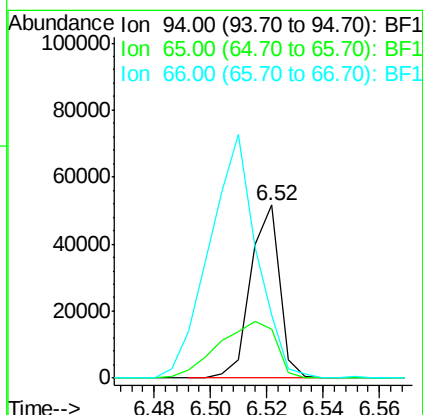
Tgt Ion: 94 Resp: 36807

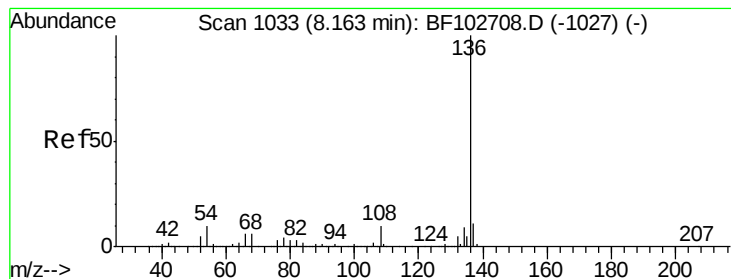
Ion Ratio Lower Upper

94 100

65 28.1 7.9 47.9

66 36.5 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Instrument :

BNA_F

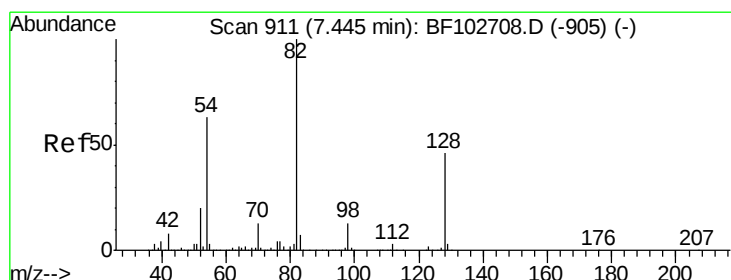
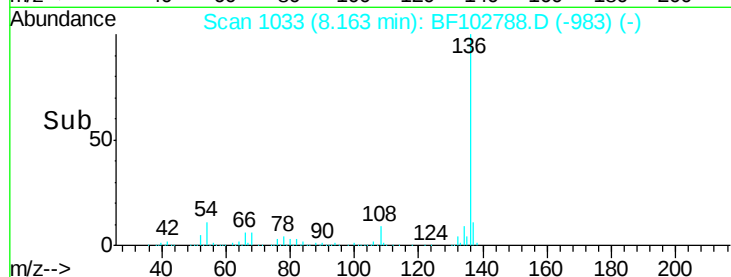
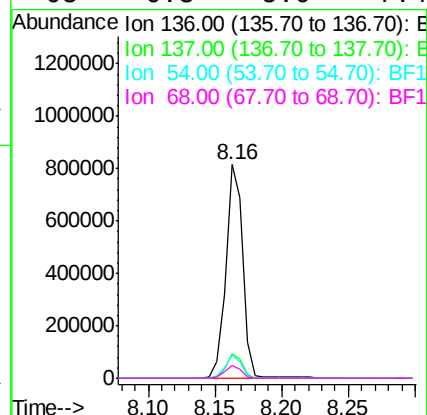
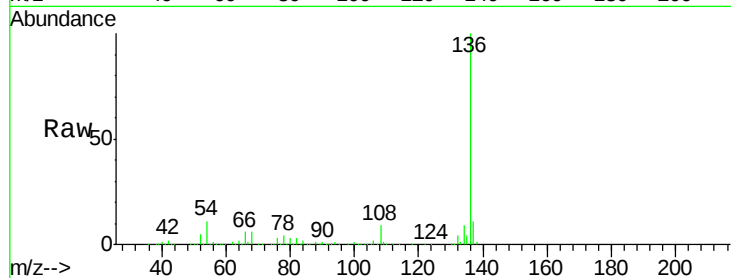
ClientSampleId :

SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	730714		
137	11.2	8.9	13.3	
54	10.6	6.6	9.8	
68	6.3	5.0	7.4	

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM



#23

Nitrobenzene-d5

Concen: 82.657 ng

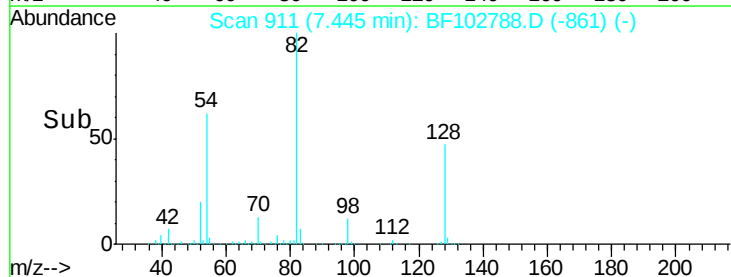
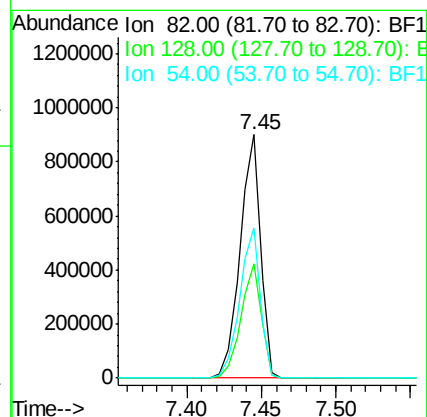
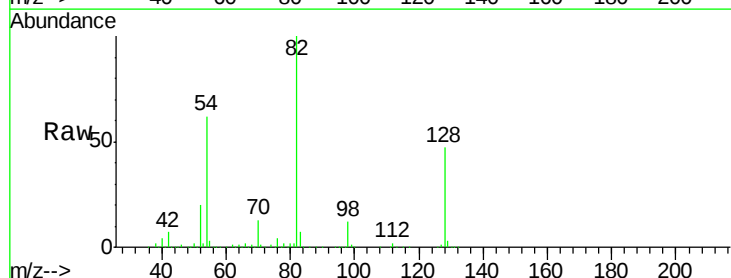
RT: 7.45 min Scan# 911

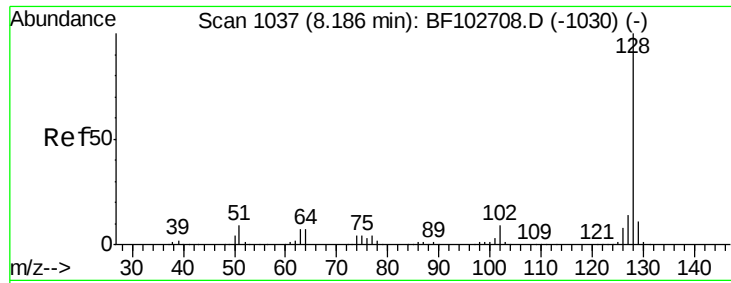
Delta R.T. -0.01 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	870661		
128	46.8	36.1	54.1	
54	61.6	41.4	62.2	





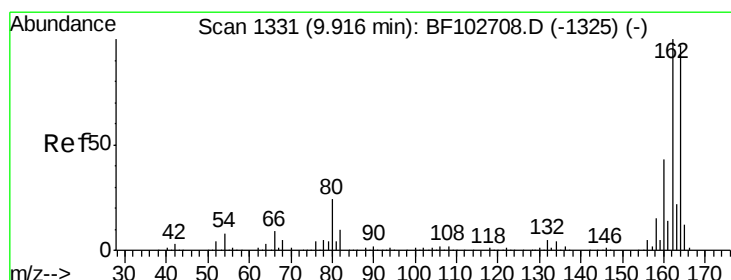
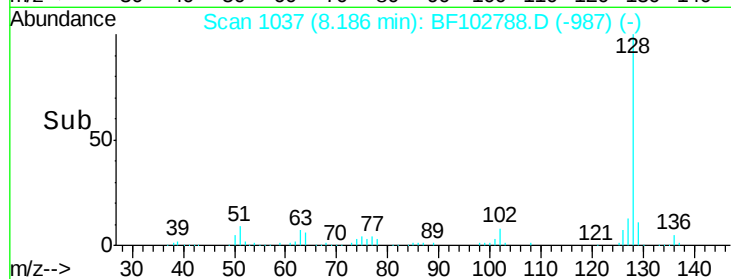
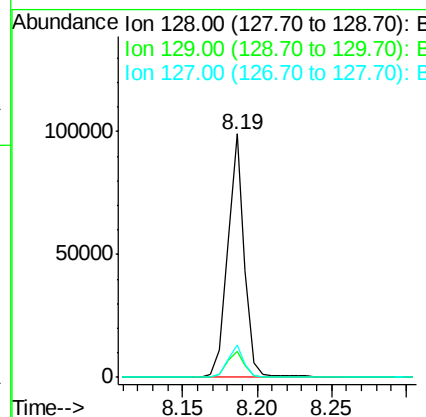
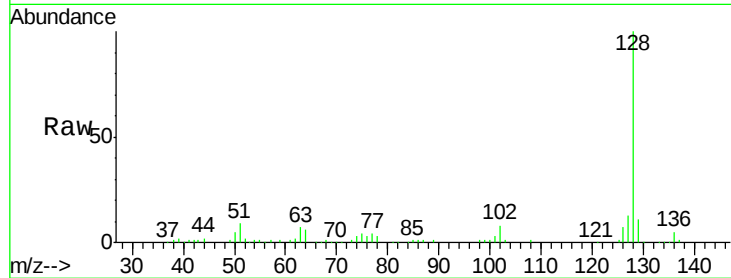
#31
Naphthalene
Concen: 2.187 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.9	16.3

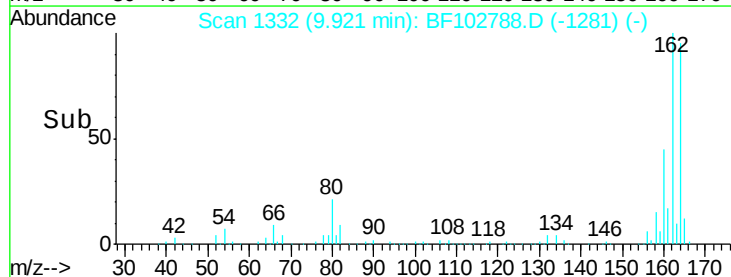
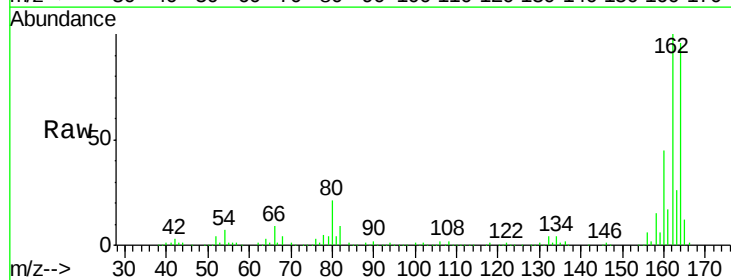
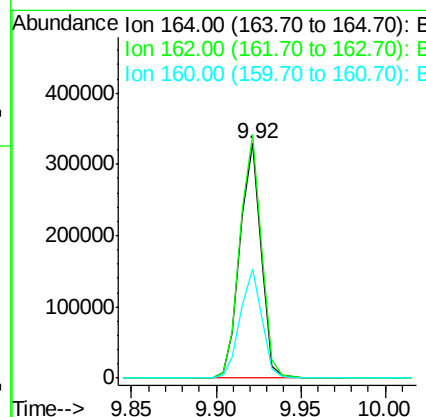
Manual Integrations
APPROVED

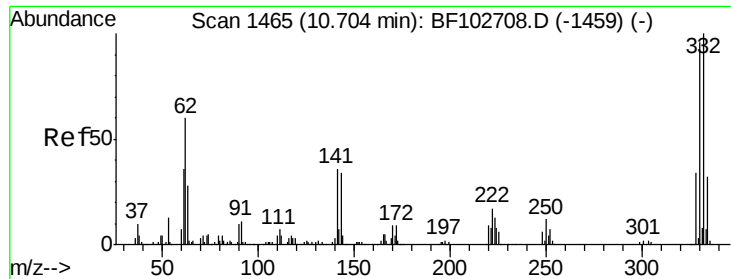
Sohil
2/7/2018 4:17:22 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 89.676 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Instrument :

BNA_F

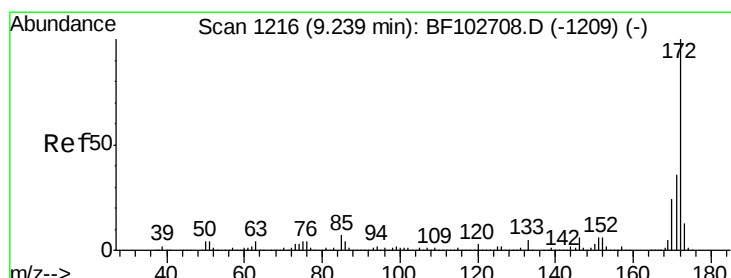
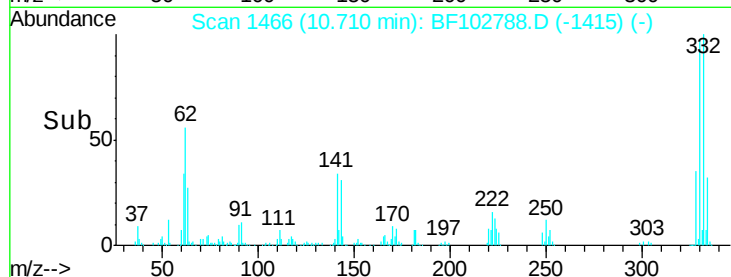
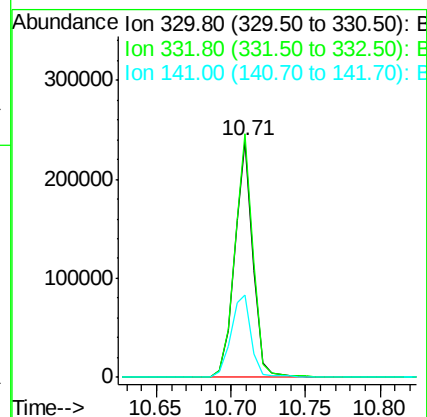
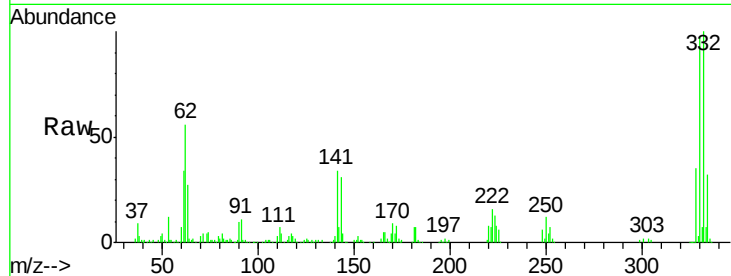
ClientSampleId :

SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion:	330	Resp:	206606
Ion Ratio	Lower	Upper	
330	100		
332	103.3	77.0	115.6
141	39.6	29.9	44.9

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM



#44

2-Fluorobiphenyl

Concen: 82.265 ng

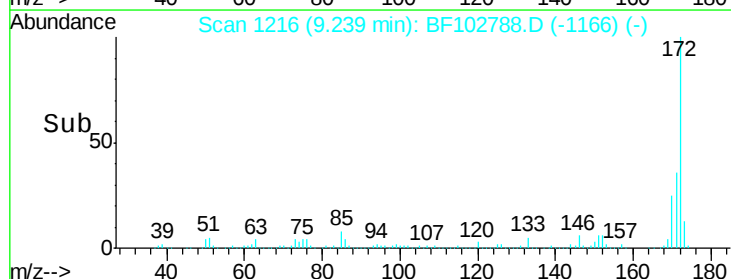
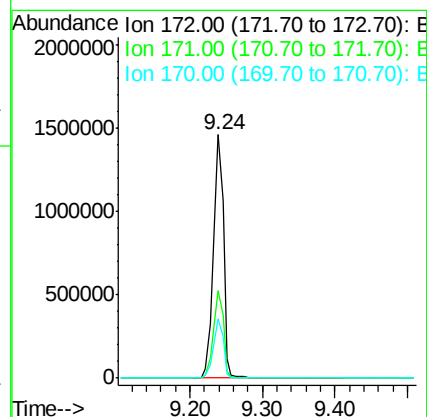
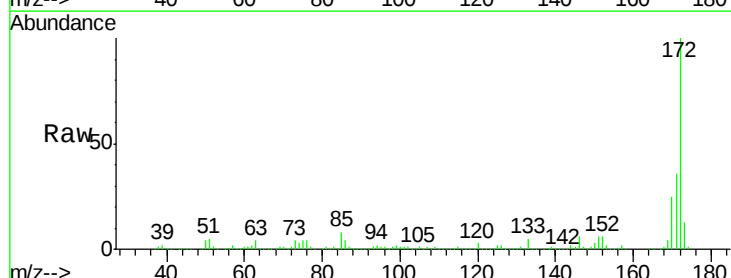
RT: 9.24 min Scan# 1216

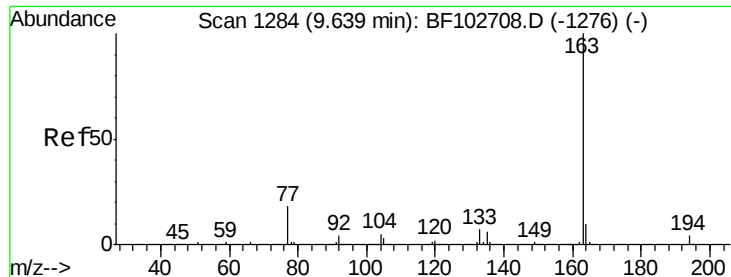
Delta R.T. -0.01 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tgt Ion:	172	Resp:	1419074
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.7	44.5
170	24.5	19.6	29.4





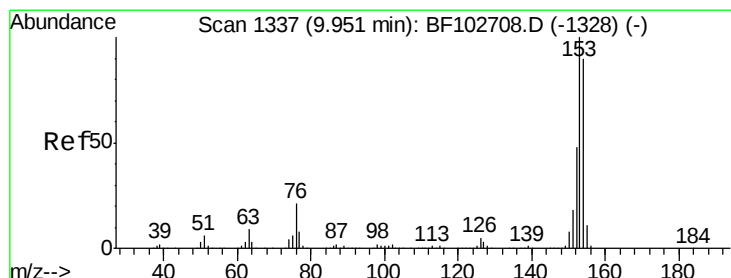
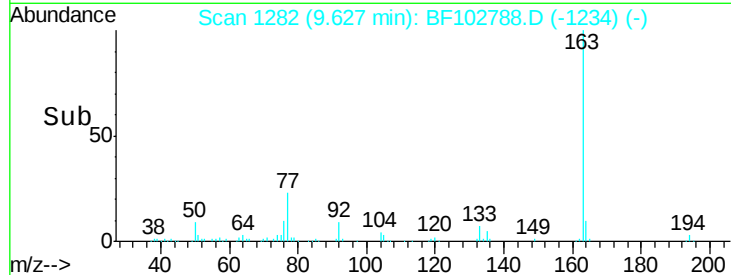
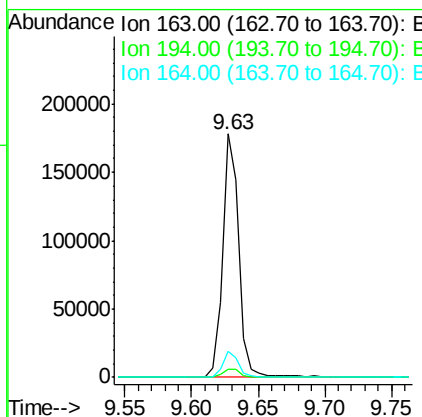
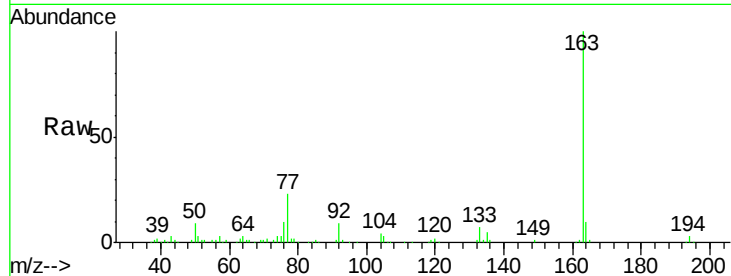
#49
Dimethylphthalate
Concen: 6.806 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.7	4.1	
164	10.5	8.2	12.2	

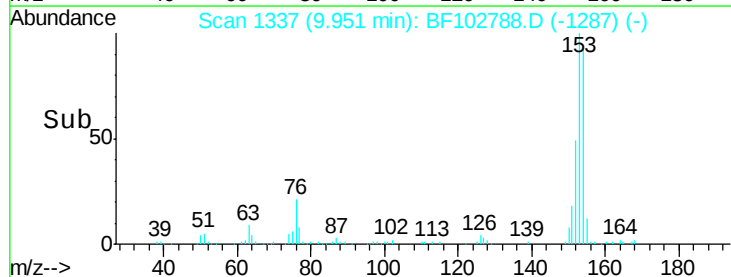
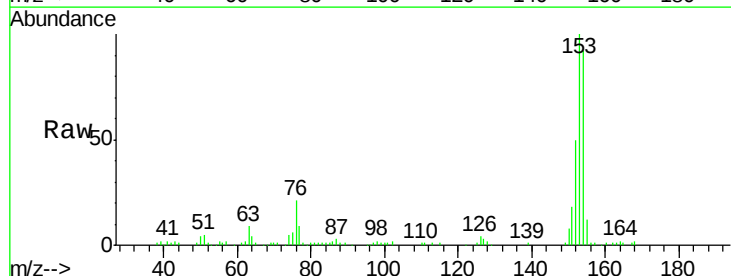
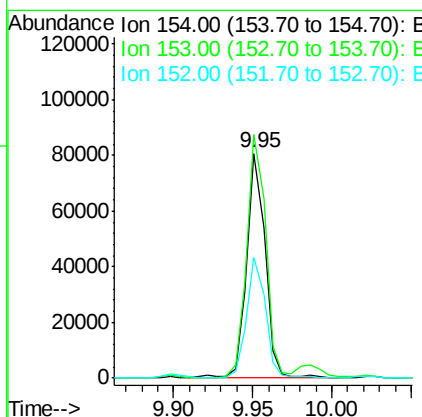
Manual Integrations
APPROVED

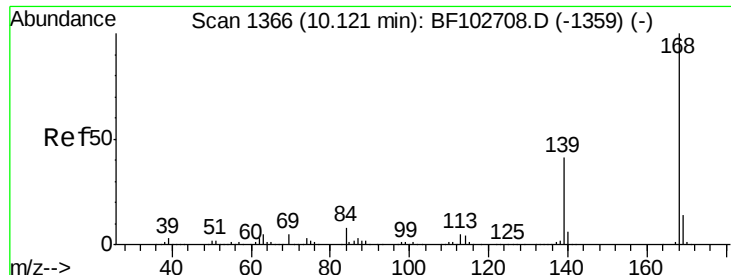
Sohil
2/7/2018 4:17:22 PM



#51
Acenaphthene
Concen: 3.724 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	108.5	91.2	136.8	
152	53.8	43.8	65.8	





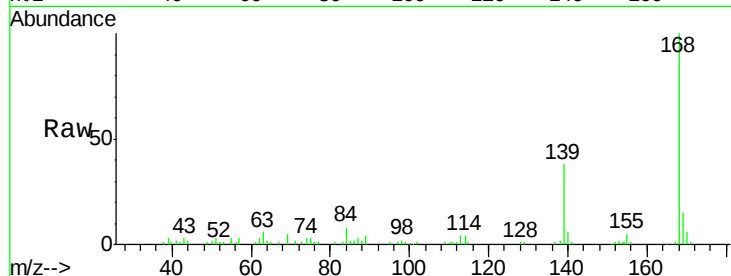
#54
Dibenzenofuran
Concen: 2.725 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

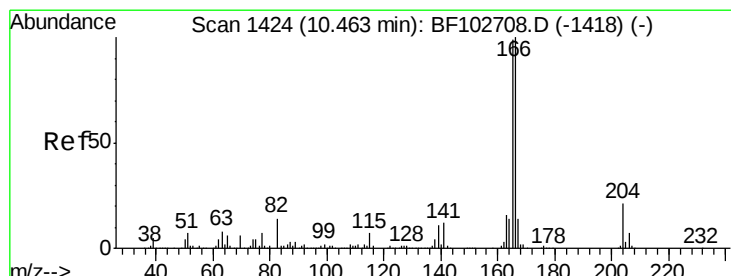
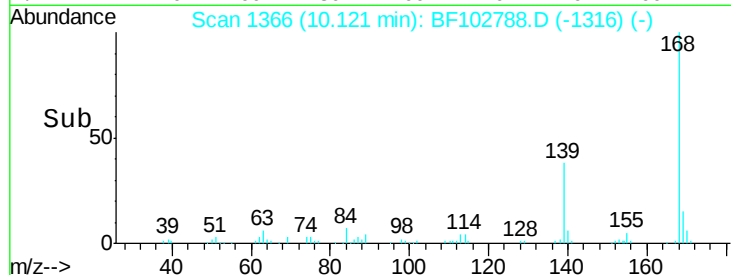
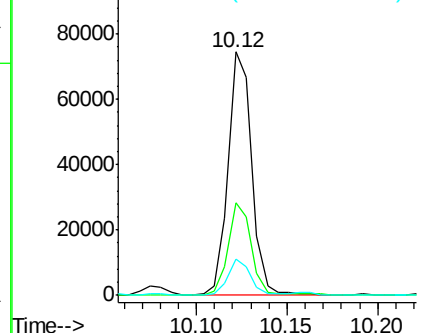
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.1	45.1
169	14.9	10.9	16.3

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM



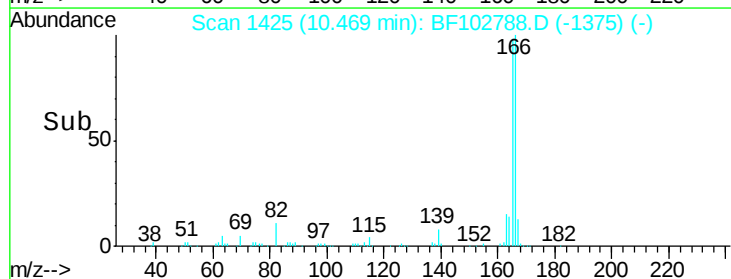
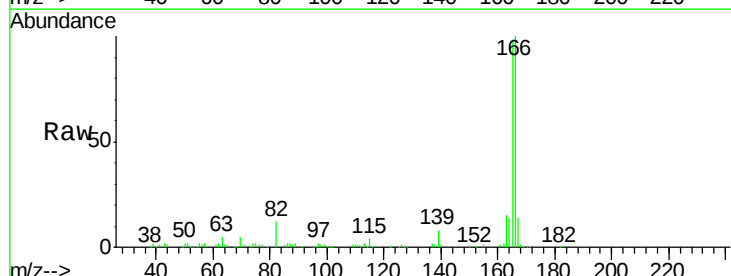
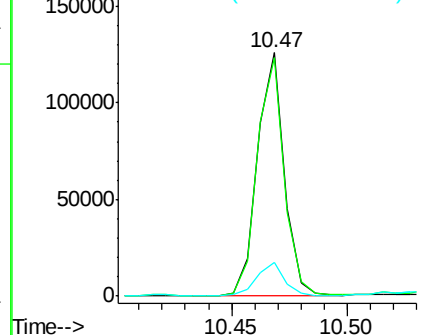
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

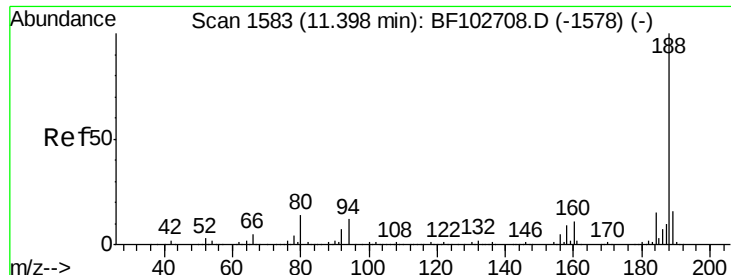


#57
Fluorene
Concen: 5.696 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	13.6	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Instrument :

BNA_F

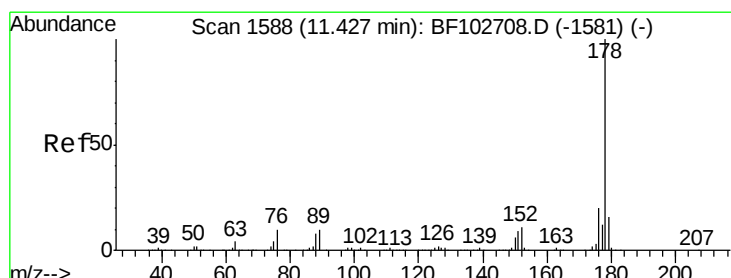
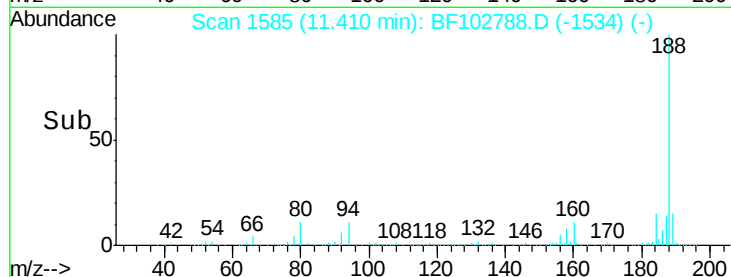
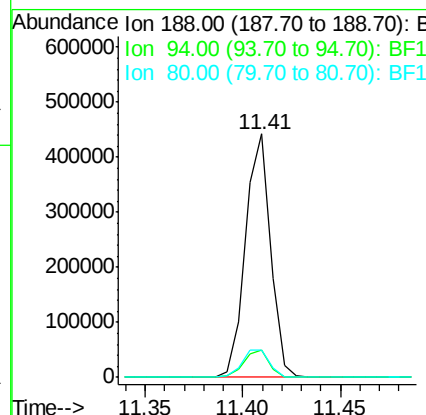
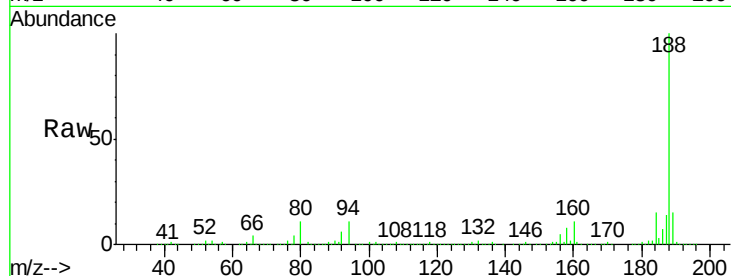
ClientSampleId :

SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion:	188	Resp:	393856
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	11.3	9.2	13.8

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM



#70

Phenanthrene

Concen: 34.199 ng

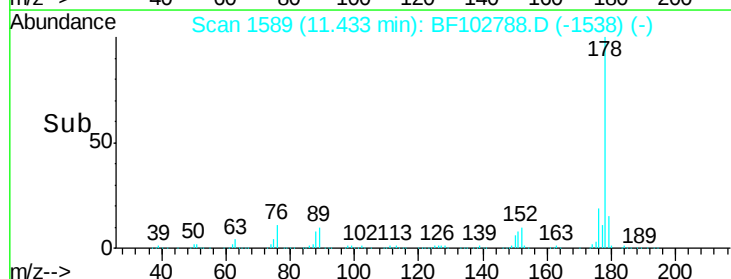
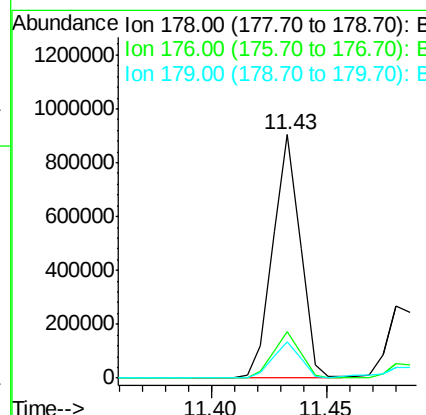
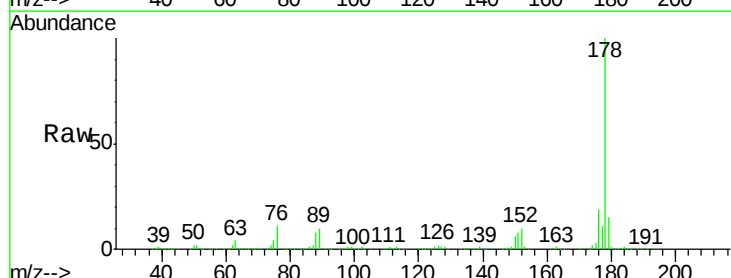
RT: 11.43 min Scan# 1589

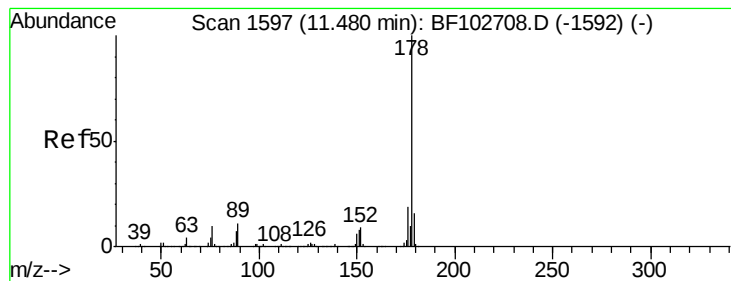
Delta R.T. -0.00 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tgt Ion:	178	Resp:	750167
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.1	13.0	19.6





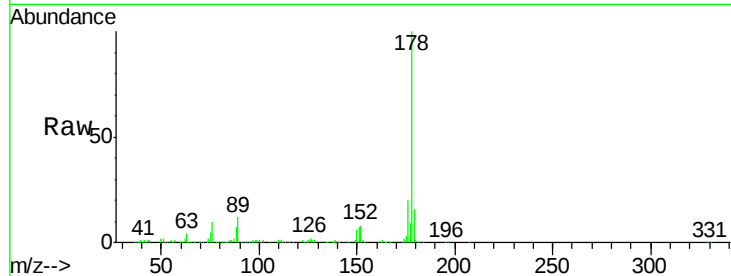
#71
 Anthracene
 Concen: 10.446 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102788.D
 Acq: 6 Feb 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations
 APPROVED

Sohil
 2/7/2018 4:17:22 PM



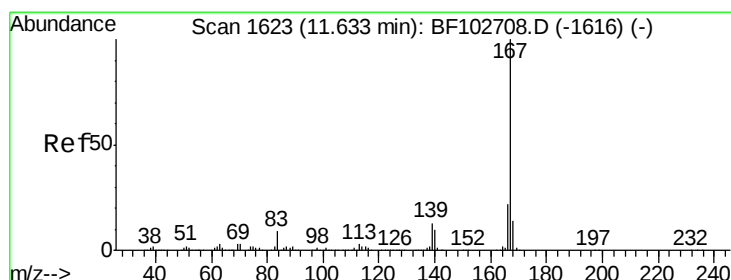
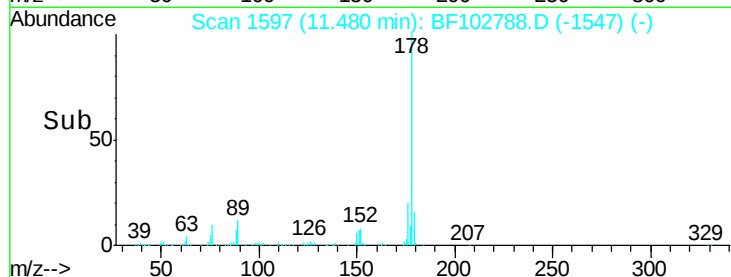
Abundance

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

Time-->



#72
 Carbazole
 Concen: 3.089 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF102788.D
 Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.6	26.4
139	13.8	10.9	16.3

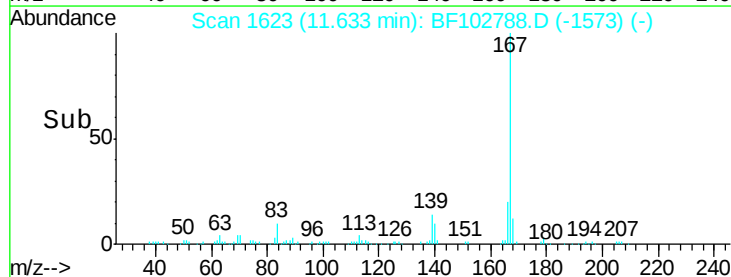
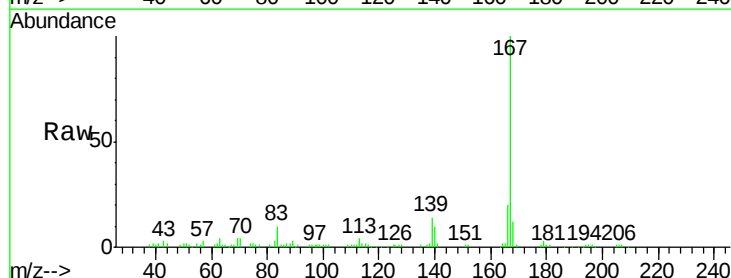
Abundance

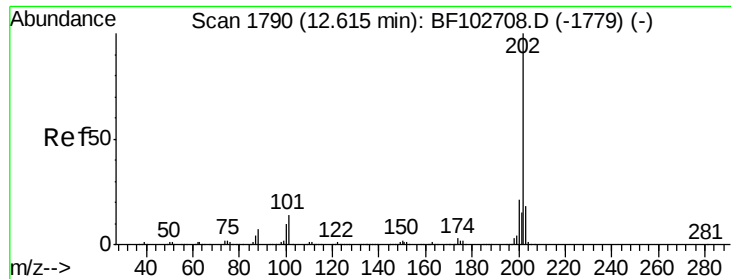
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->





#74

Fluoranthene

Concen: 43.479 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Instrument :

BNA_F

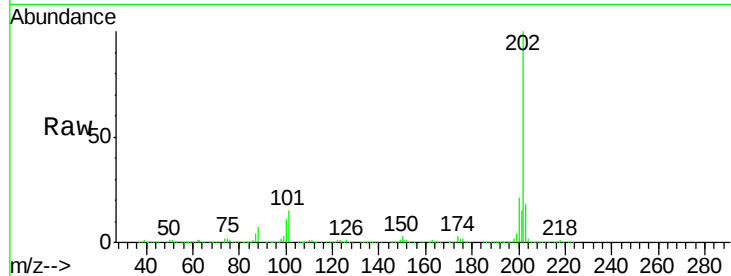
ClientSampleId :

SA-ST-LATERAL-LINE-1-SW@3.5

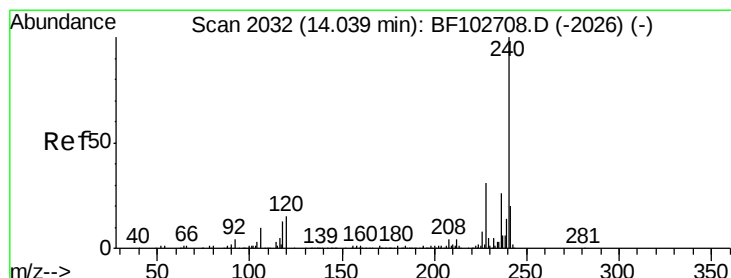
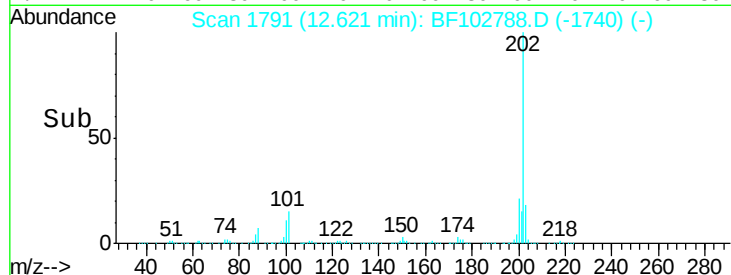
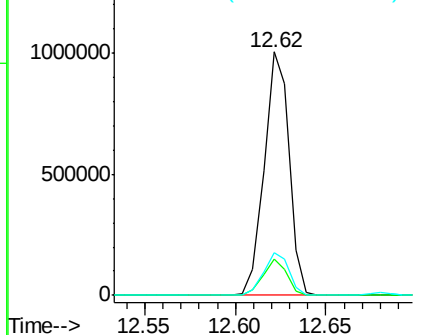
Tot Ion:	202	Resp:	959546
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

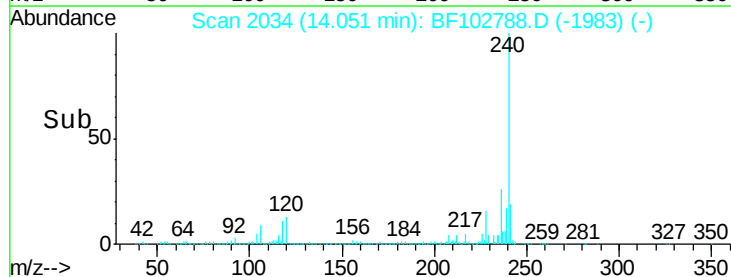
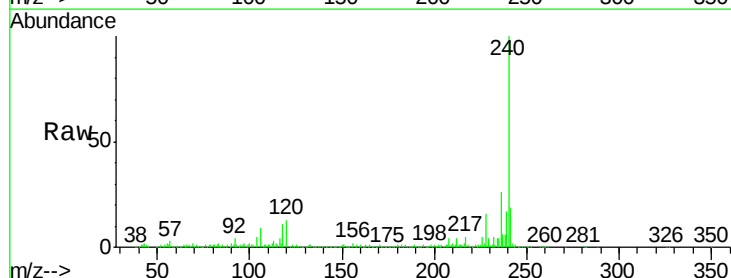
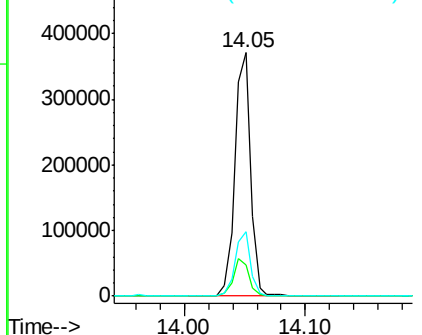
Delta R.T. -0.00 min

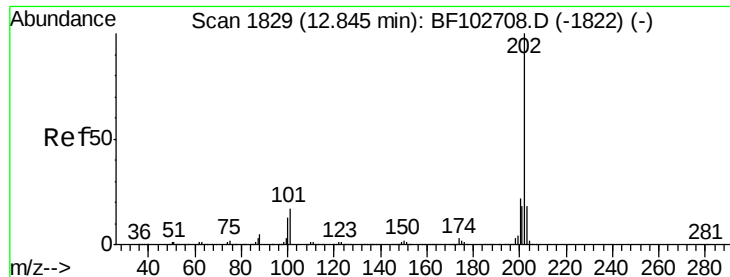
Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tgt Ion:	240	Resp:	339630
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	26.2	20.7	31.1

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





#77

Pvrene

Concen: 32.864 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Instrument :

BNA_F

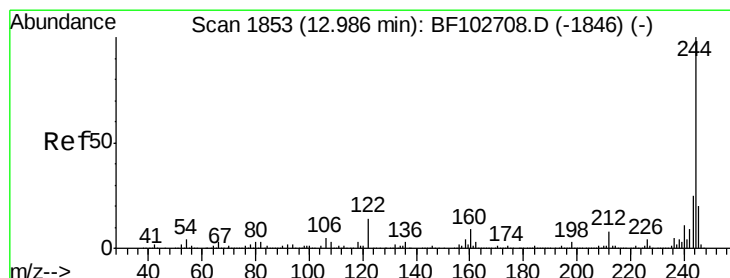
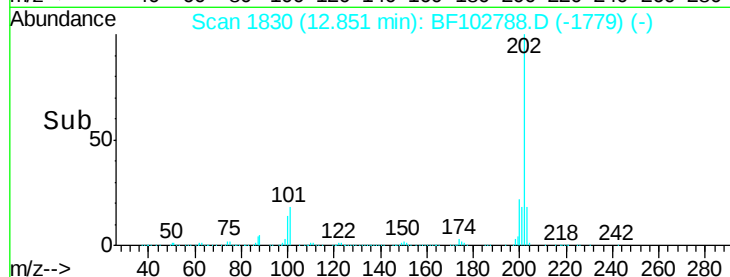
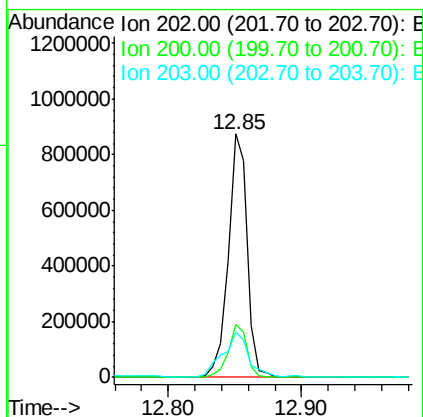
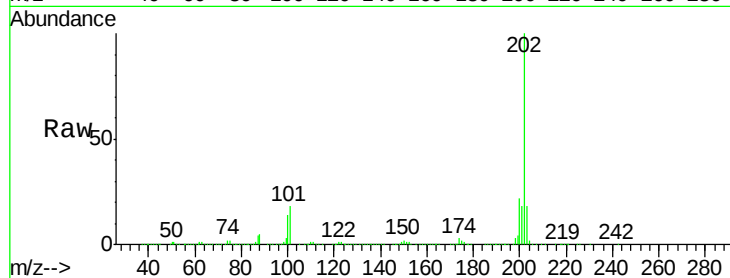
ClientSampleId :

SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion:	202	Resp:	875254
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.4	14.3	21.5

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM



#78

Terphenyl-d14

Concen: 66.101 ng

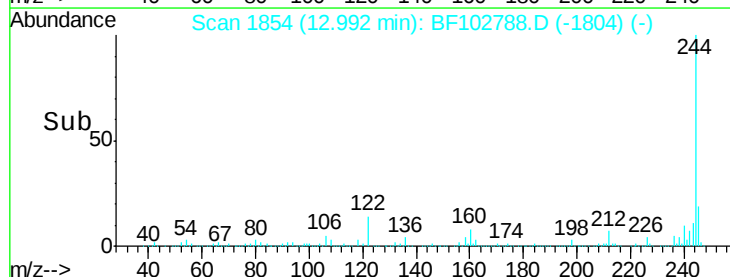
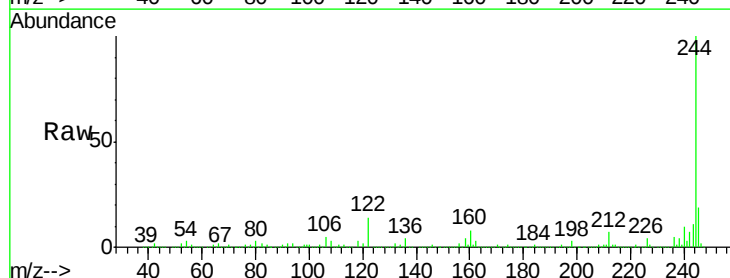
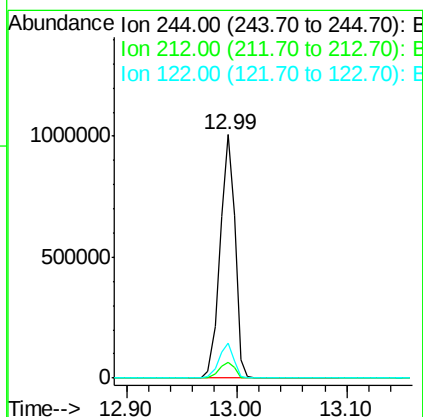
RT: 12.99 min Scan# 1854

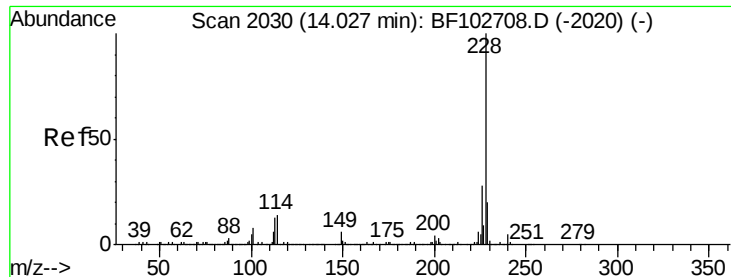
Delta R.T. -0.01 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tgt Ion:	244	Resp:	948147
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.4	11.0	16.4





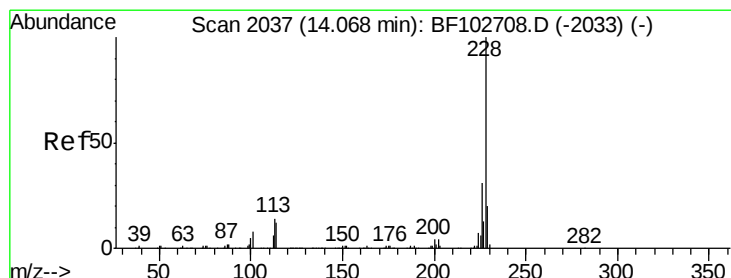
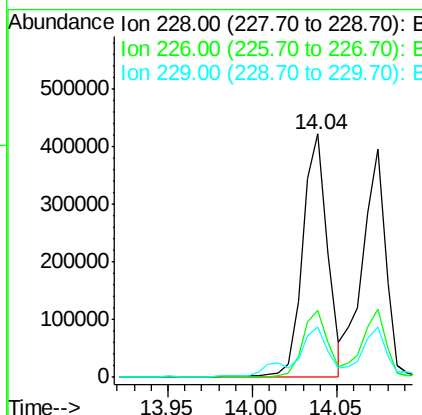
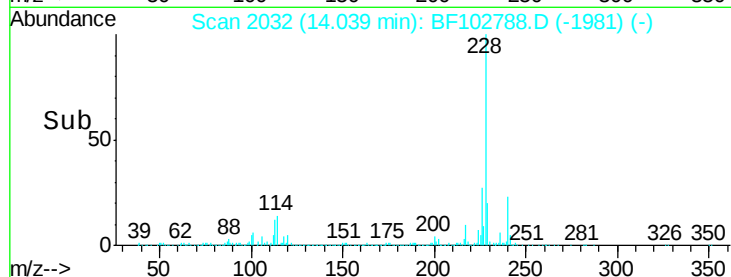
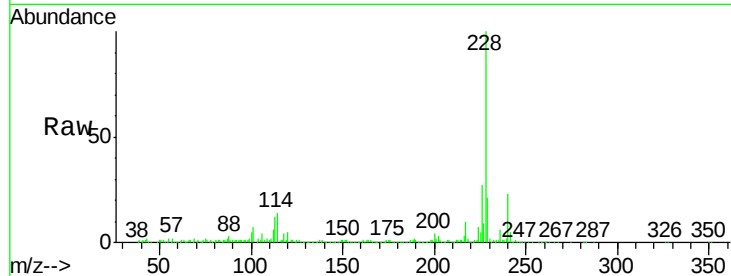
#80
Benzo(a)anthracene
Concen: 20.056 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.6	15.8	23.6

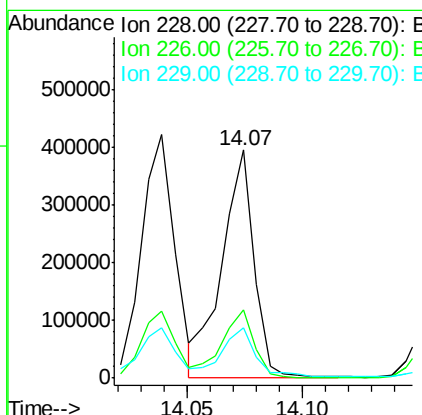
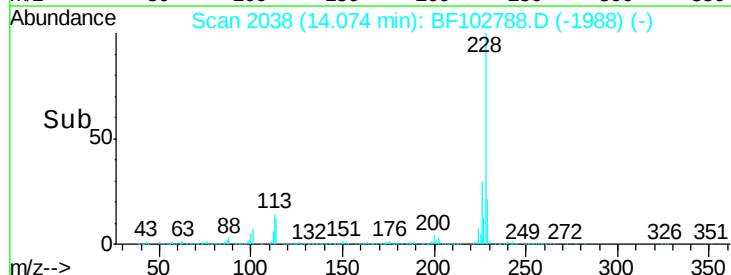
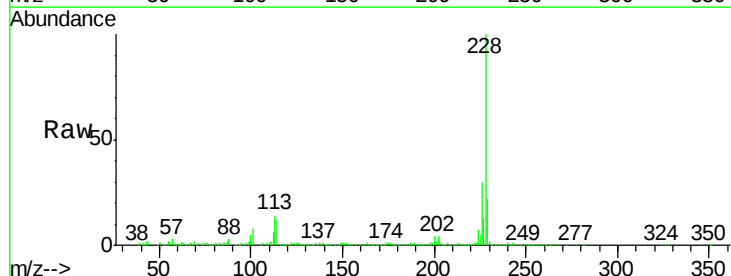
Manual Integrations
APPROVED

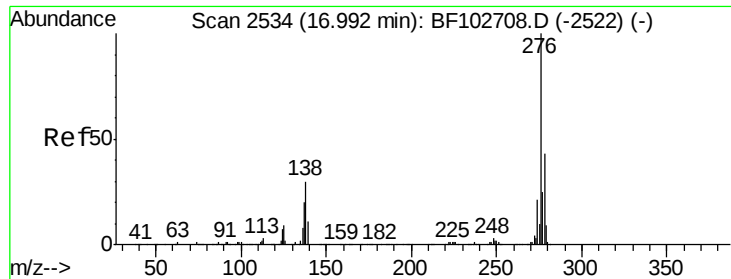
Sohil
2/7/2018 4:17:22 PM



#82
Chrysene
Concen: 17.751 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.8	16.2	24.4





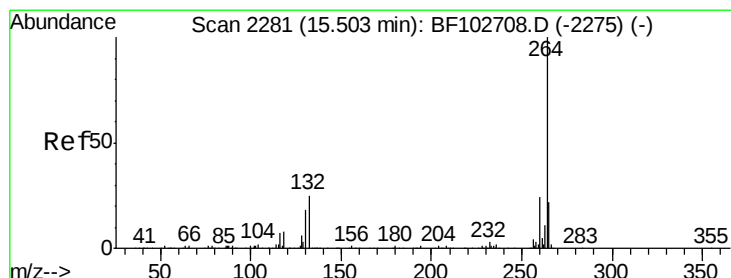
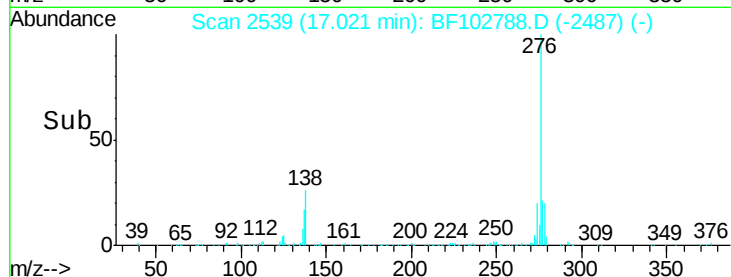
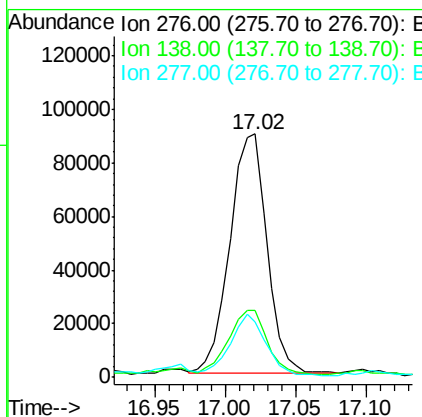
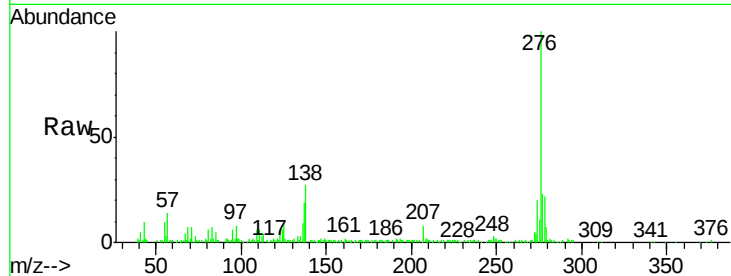
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.114 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.01 min
 Lab File: BF102788.D
 Acq: 6 Feb 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.0	37.6
277	25.0	20.1	30.1

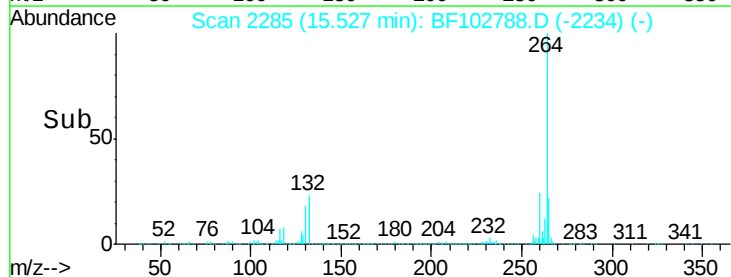
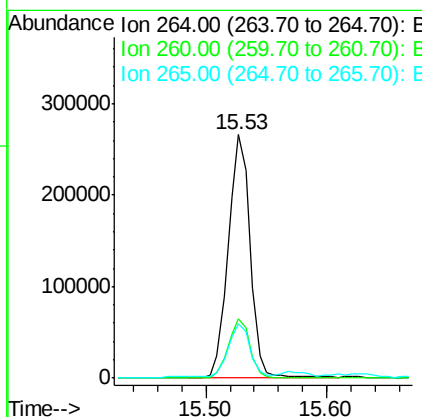
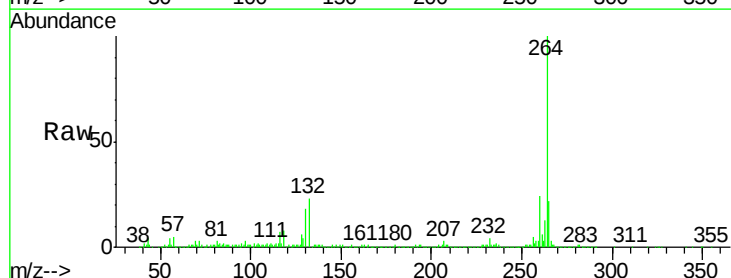
Manual Integrations
 APPROVED

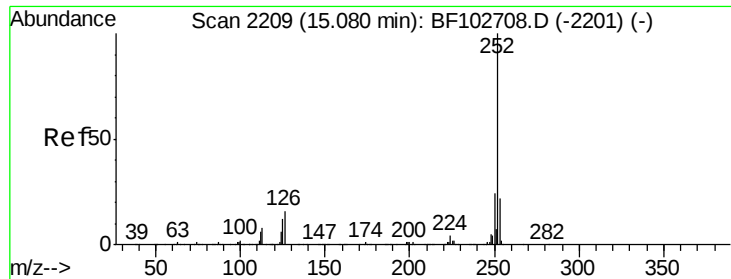
Sohil
 2/7/2018 4:17:22 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: BF102788.D
 Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	17.5	26.3





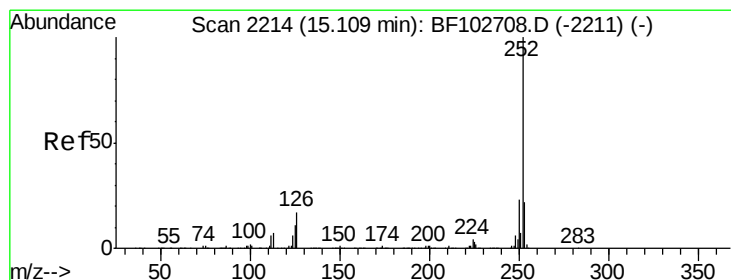
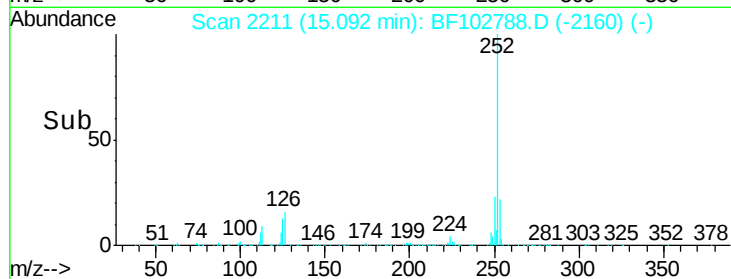
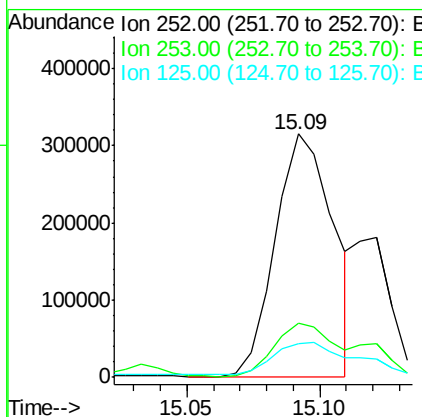
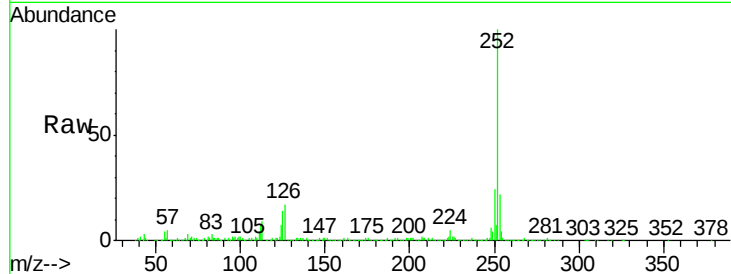
#87
Benzo(b)fluoranthene
Concen: 22.254 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	13.9	9.0	13.6

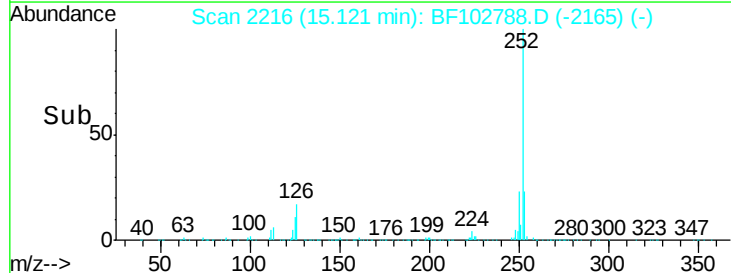
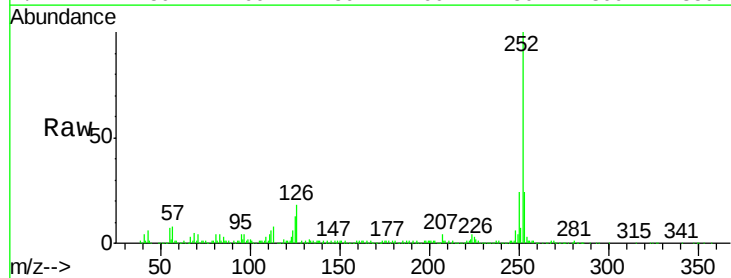
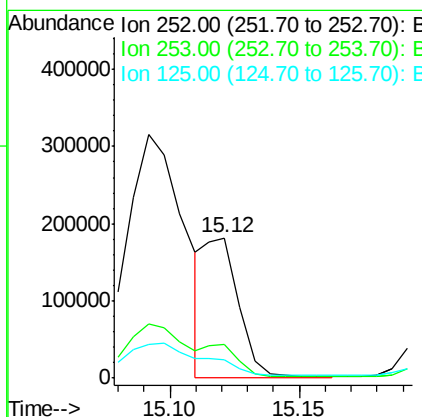
Manual Integrations
APPROVED

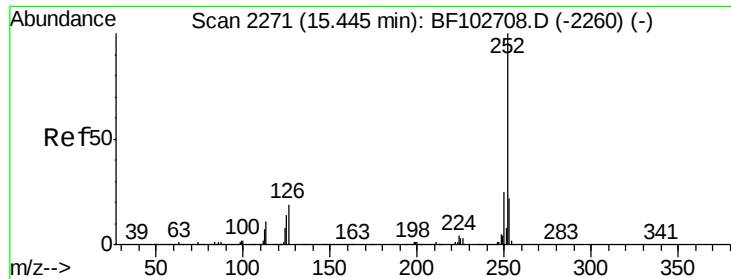
Sohil
2/7/2018 4:17:22 PM



#88
Benzo(k)fluoranthene
Concen: 8.356 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	13.3	10.2	15.2





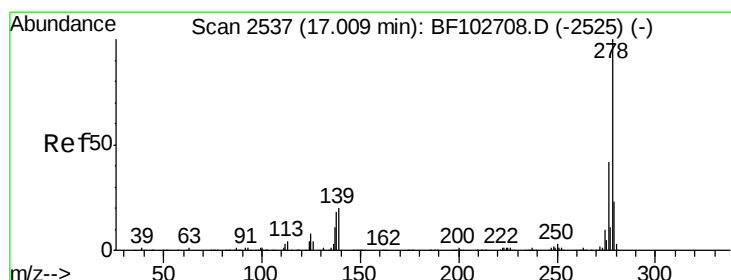
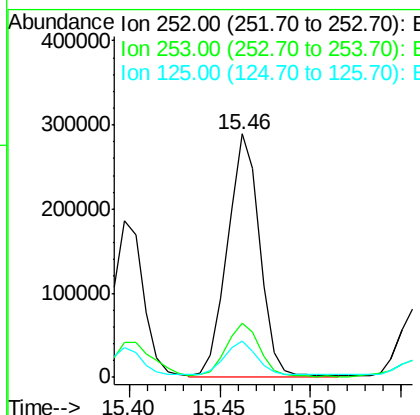
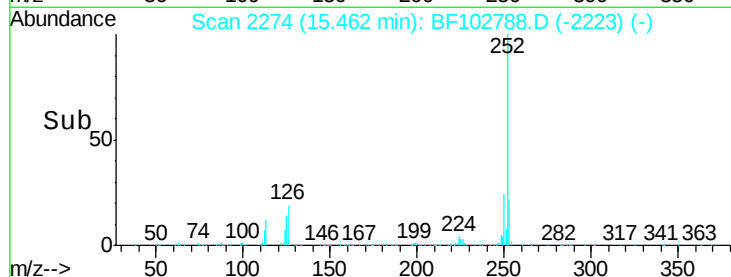
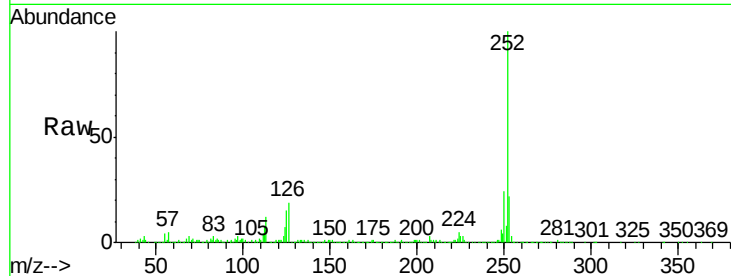
#89
Benzo(a)pyrene
Concen: 18.249 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SA-ST-LATERAL-LINE-1-SW@3.5

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.1	17.1	25.7	
125	15.1	9.8	14.6	

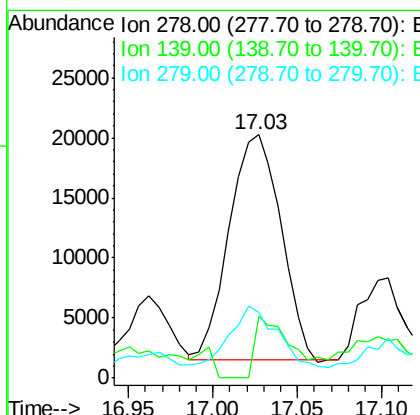
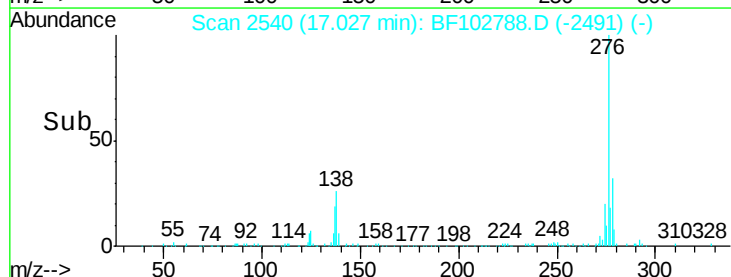
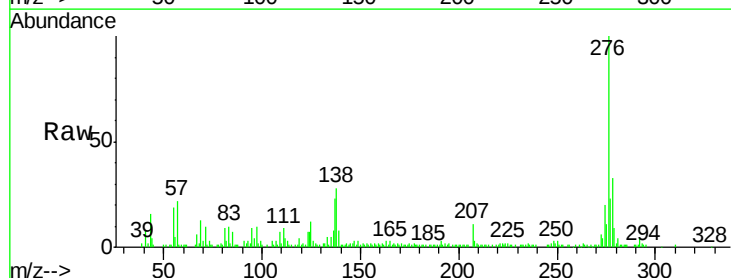
Manual Integrations
APPROVED

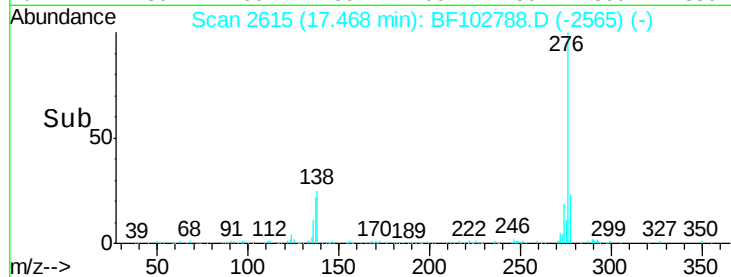
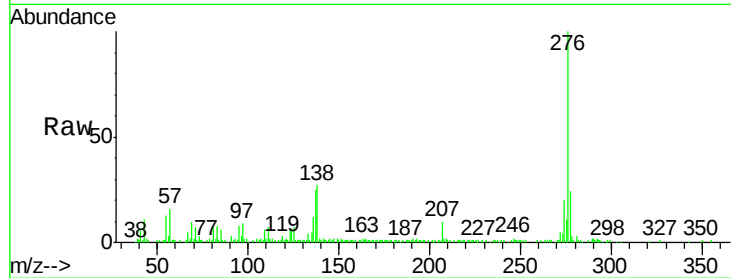
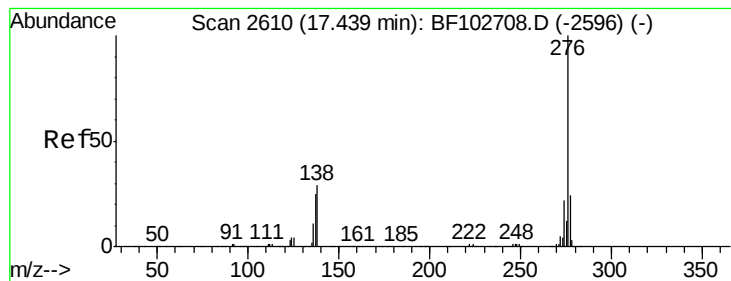
Sohil
2/7/2018 4:17:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.539 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF102788.D
Acq: 6 Feb 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	25.3	15.9	23.9	
279	27.2	19.0	28.4	





#91

Benzo(a,h,i)perylene

Concen: 10.160 ng

RT: 17.47 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BF102788.D

Acq: 6 Feb 2018 17:07

Tot Ion:	276	Resp:	157156
Ion Ratio		Lower	Upper
276	100		
277	24.2	17.9	26.9
138	26.7	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

SA-ST-LATERAL-LINE-1-SW@3.5

Manual Integrations
APPROVED

Sohil
2/7/2018 4:17:22 PM

