

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101728.D
 Acq On : 26 Dec 2017 22:00
 Operator : SJ/JU
 Sample : I7049-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3074-RT-917

Manual Integrations
 APPROVED

Sohil
 12/27/2017 4:15:03 PM

Quant Time: Dec 27 06:13:21 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	132581	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	473412	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	186818	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	315224	20.00	ng	0.00
75) Chrysene-d12	13.97	240	279607	20.00	ng	0.00
86) Perylene-d12	15.44	264	261166	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1079882	121.33	ng	0.01
7) Phenol-d6	6.43	99	1284696	115.98	ng	0.00
23) Nitrobenzene-d5	7.36	82	797562	93.78	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	216027	120.01	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1042113	86.53	ng	0.00
78) Terphenyl-d14	12.90	244	851211	73.39	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	75174	5.954	ng	80
31) Naphthalene	8.09	128	77742	3.262	ng	98
37) 2-Methylnaphthalene	8.79	142	40427	2.604	ng	98
48) Acenaphthylene	9.69	152	53107	2.652	ng	99
49) Dimethylphthalate	9.54	163	138389	9.209	ng	100
70) Phenanthrene	11.35	178	341038	19.454	ng	98
71) Anthracene	11.40	178	103130	5.759	ng	98
72) Carbazole	11.56	167	45740	2.728	ng	95
74) Fluoranthene	12.54	202	818058	44.459	ng	98
77) Pyrene	12.77	202	710901	33.878	ng	99
80) Benzo(a)anthracene	13.96	228	419151	22.702	ng	99
82) Chrysene	14.00	228	445174m	25.537	ng	
85) Indeno(1,2,3-cd)pyrene	16.93	276	157753	10.162	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	457479m	28.739	ng	
88) Benzo(k)fluoranthene	15.04	252	137287m	8.870	ng	
89) Benzo(a)pyrene	15.38	252	262213	17.868	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	45393	3.603	ng	# 82
91) Benzo(g,h,i)perylene	17.37	276	142967	11.459	ng	94

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

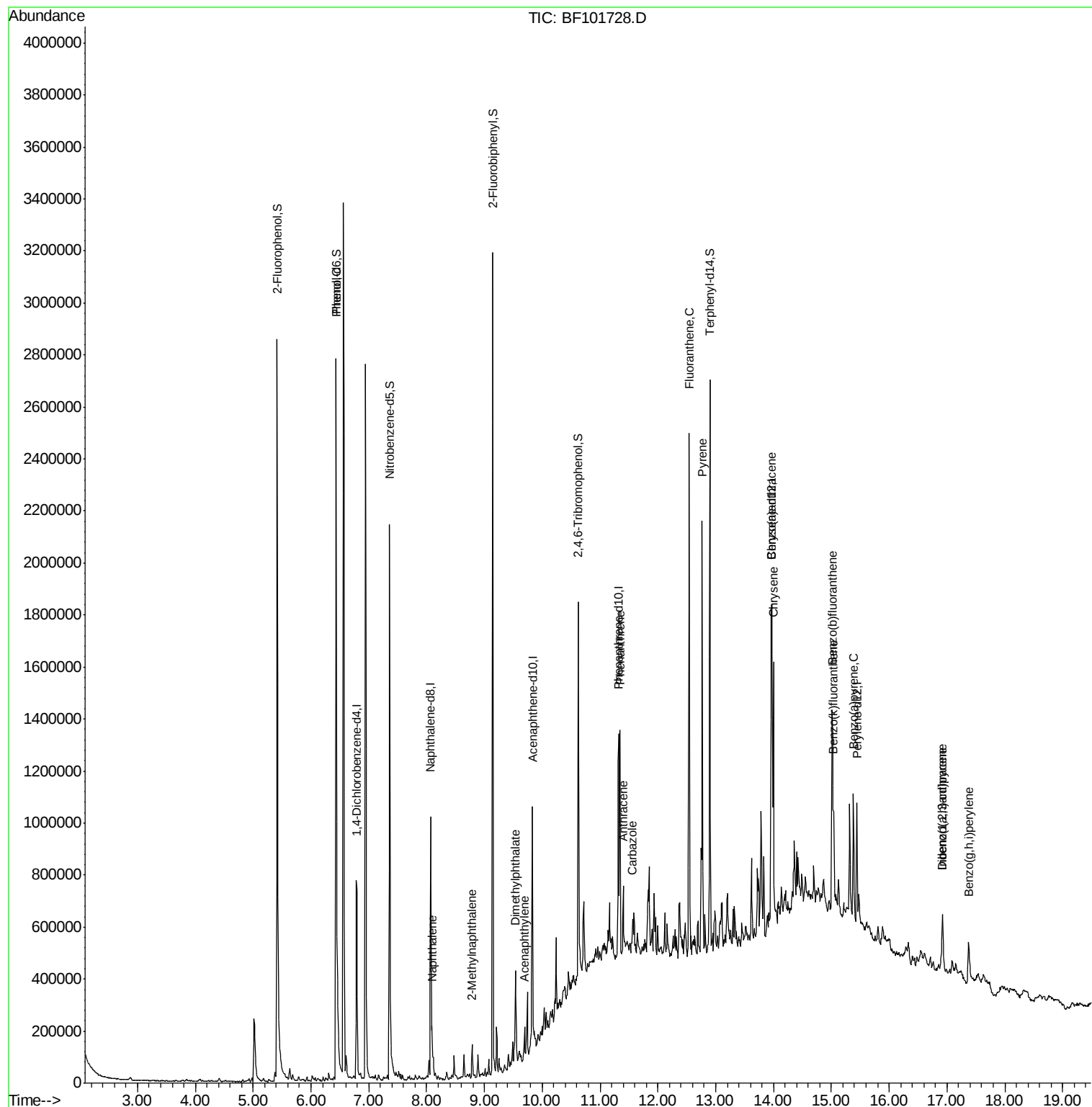
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101728.D
Acq On : 26 Dec 2017 22:00
Operator : SJ/JU
Sample : I7049-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

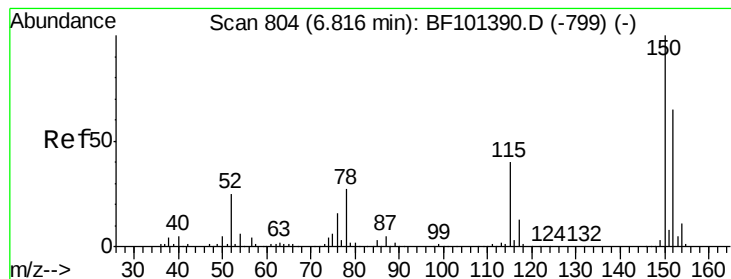
Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 PM

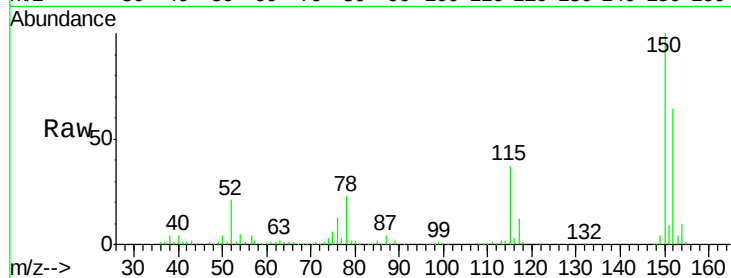
Quant Time: Dec 27 06:13:21 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF101728.D
 Acq: 26 Dec 2017 22:00

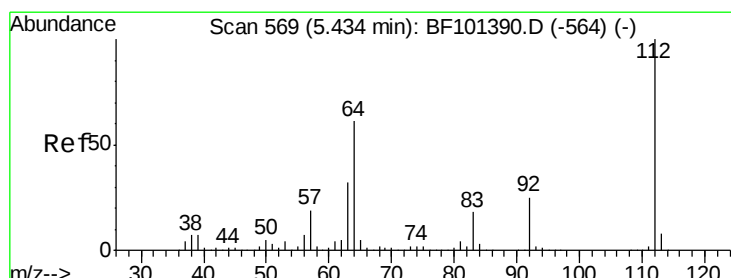
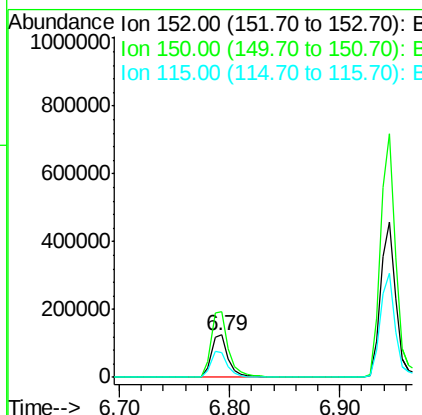
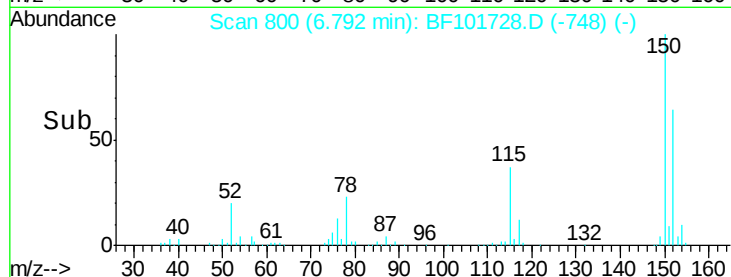
Instrument :
 BNA_F
 ClientSampleId :
 RT-3074-RT-917



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	57.7	50.1	75.1

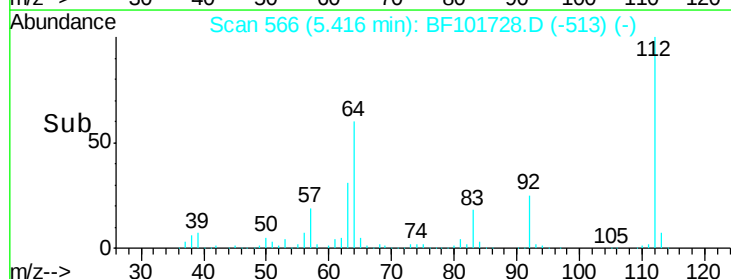
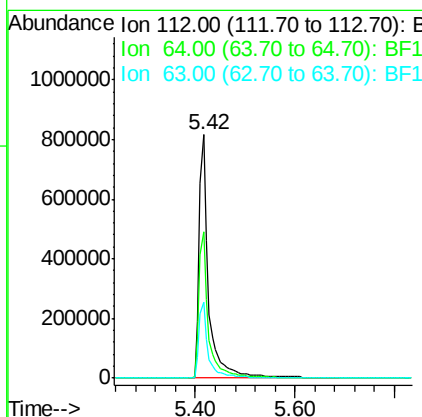
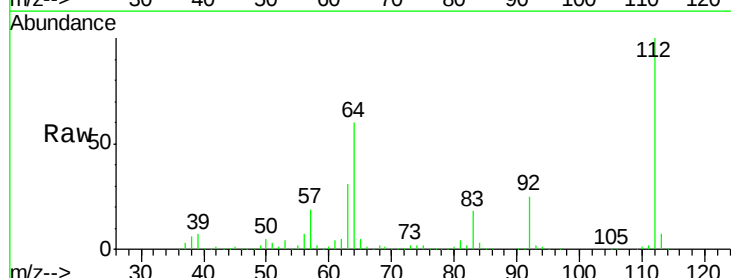
Manual Integrations
 APPROVED

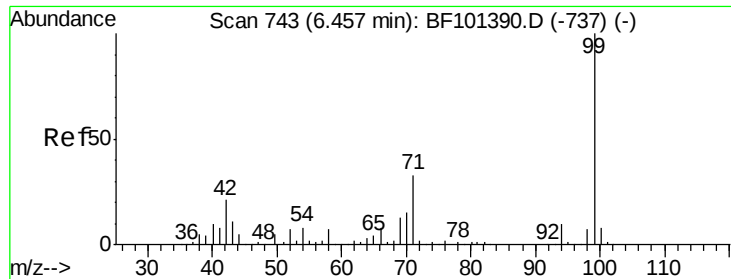
Sohil
 12/27/2017 4:15:03 PM



#5
 2-Fluorophenol
 Concen: 121.327 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101728.D
 Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 115.978 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101728.D

Acq: 26 Dec 2017 22:00

Instrument :

BNA_F

ClientSampleId :

RT-3074-RT-917

Tgt Ion: 99 Resp: 1284696

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

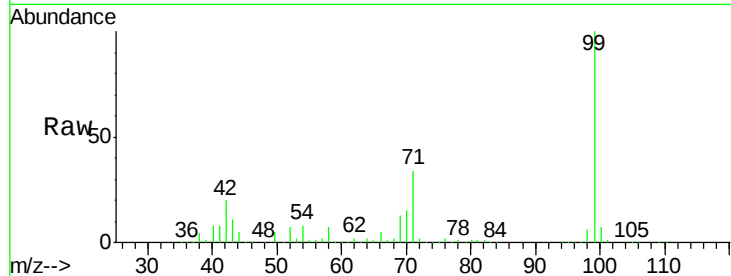
71 33.9 25.4 38.0

Manual Integrations

APPROVED

Sohil

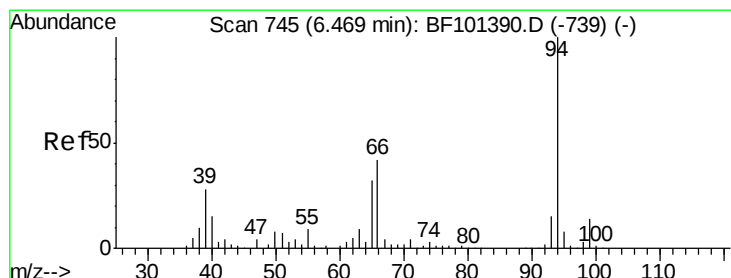
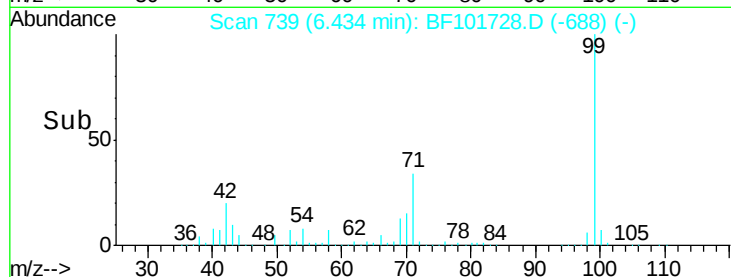
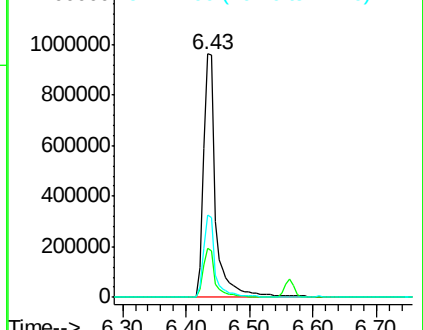
12/27/2017 4:15:03 PM



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



#10

Phenol

Concen: 5.954 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101728.D

Acq: 26 Dec 2017 22:00

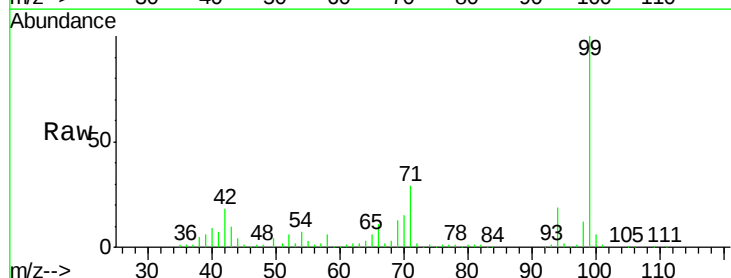
Tgt Ion: 94 Resp: 75174

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

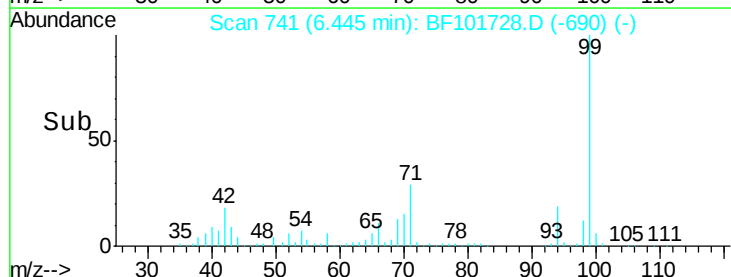
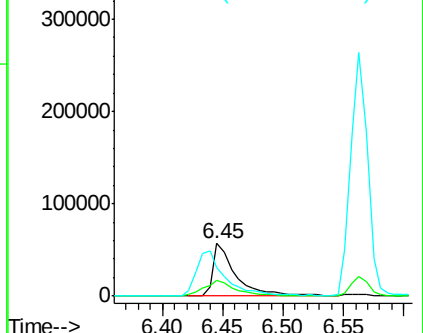
66 55.6 16.2 56.2

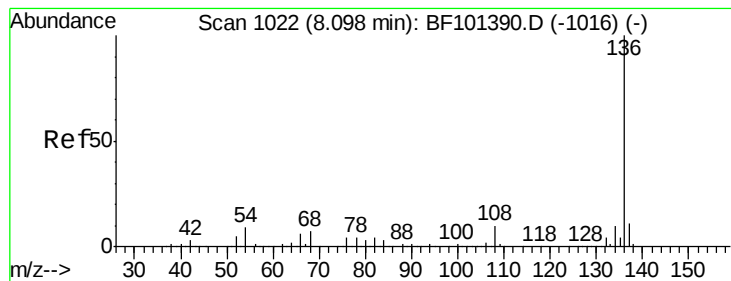


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

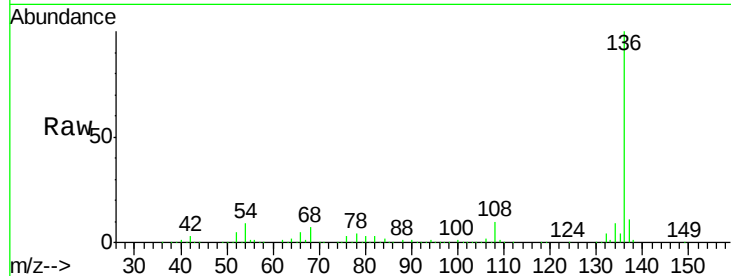
Ion 66.00 (65.70 to 66.70): BF1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

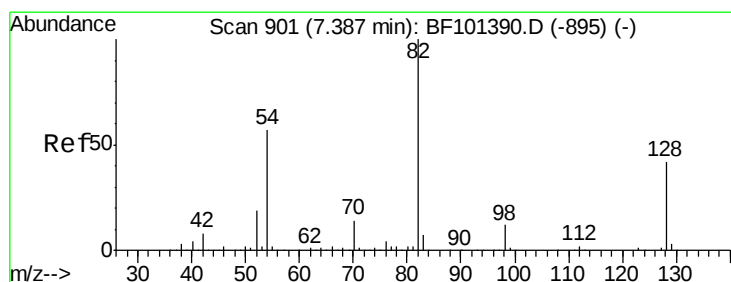
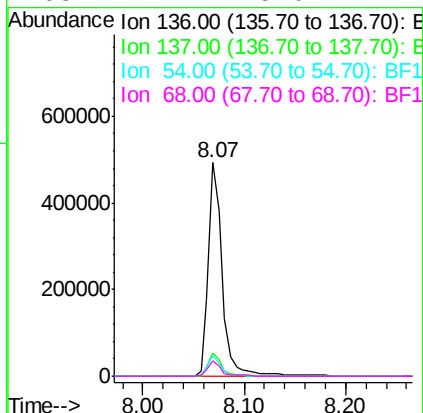
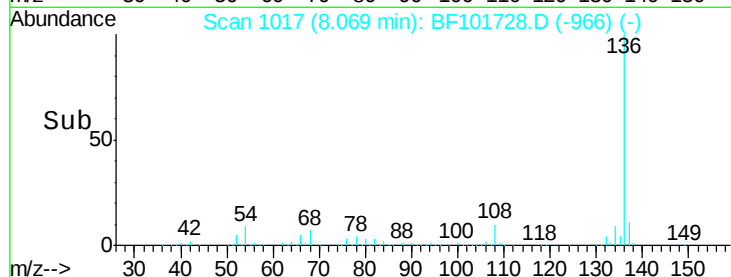
Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.0	8.9	13.3
54	9.3	6.6	9.8
68	7.4	5.0	7.4

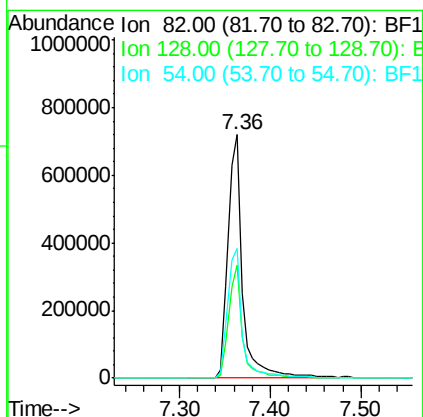
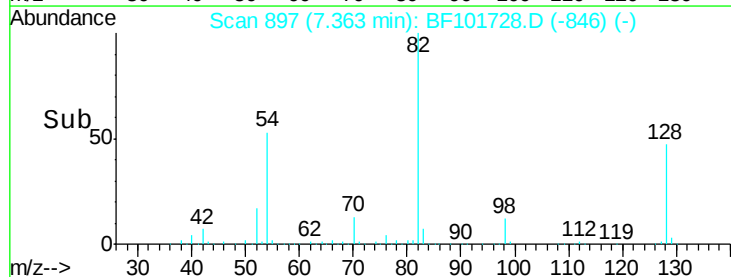
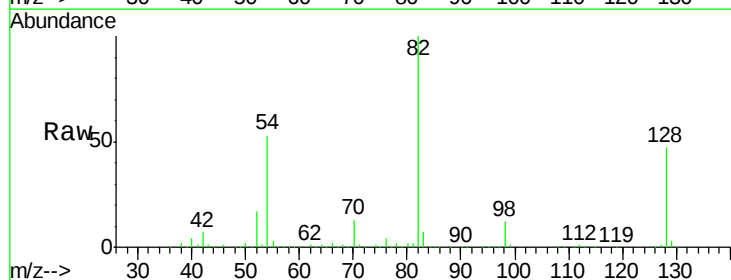
Manual Integrations
APPROVED

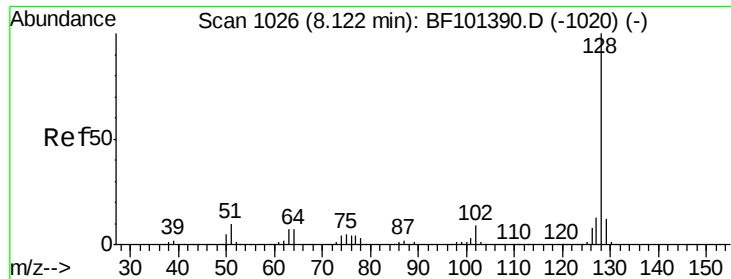
Sohil
12/27/2017 4:15:03 PM



#23
Nitrobenzene-d5
Concen: 93.781 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.5	36.1	54.1
54	53.4	41.4	62.2





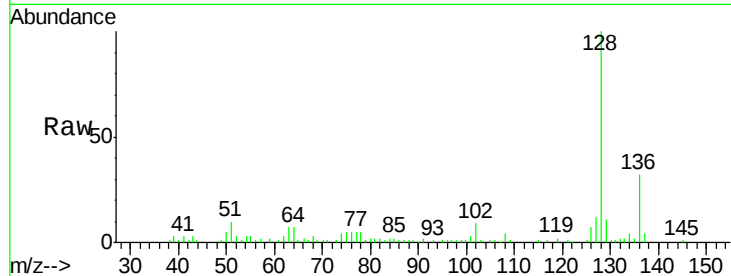
#31
Naphthalene
Concen: 3.262 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

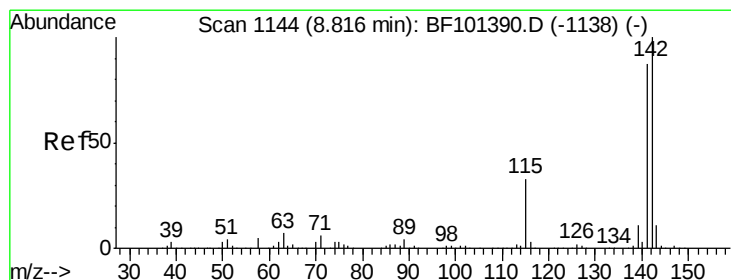
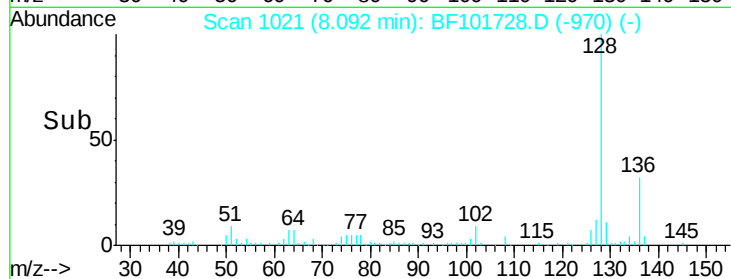
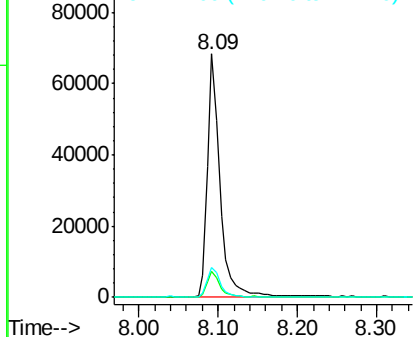
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	77742		
129	10.9		8.8	13.2
127	12.1		10.9	16.3

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 PM



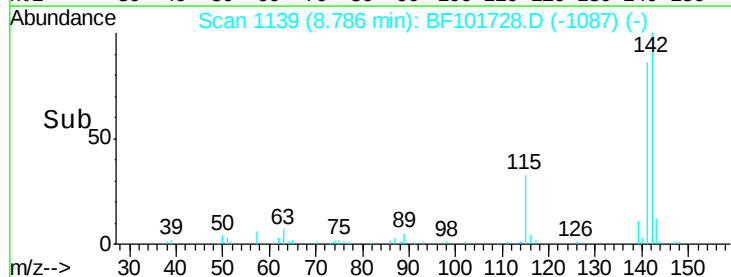
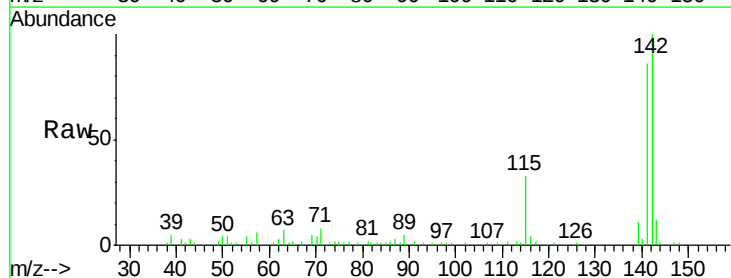
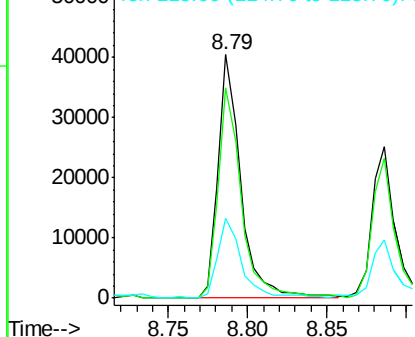
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

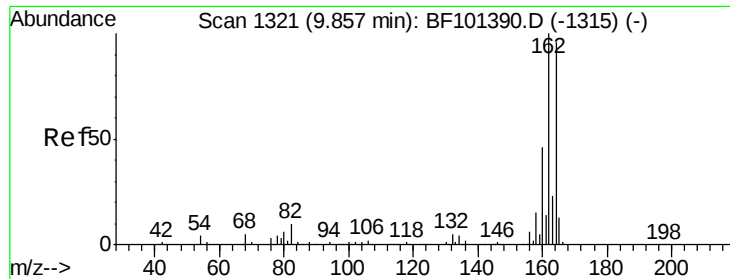


#37
2-Methylnaphthalene
Concen: 2.604 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	40427		
141	86.5		70.8	106.2
115	32.7		26.1	39.1

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





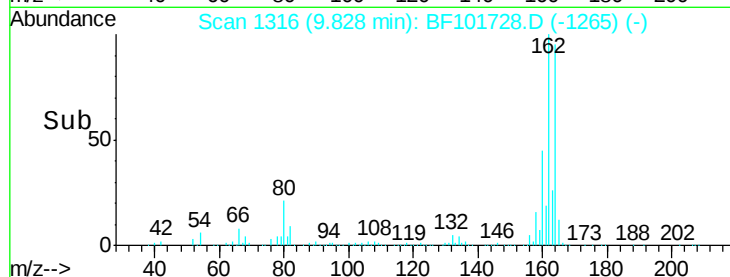
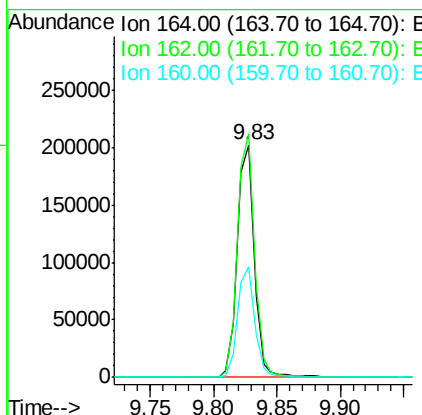
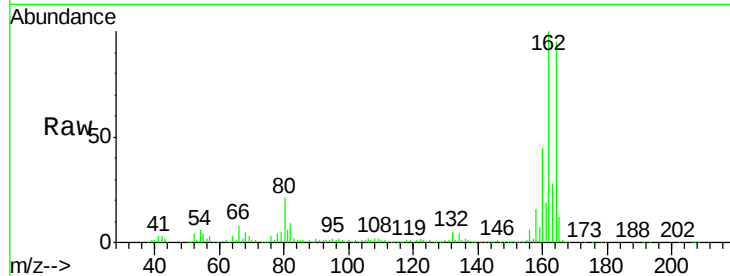
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	186818		
162	104.8	86.1	129.1	
160	47.5	38.3	57.5	

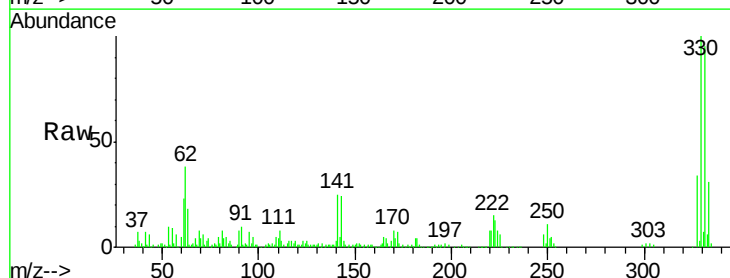
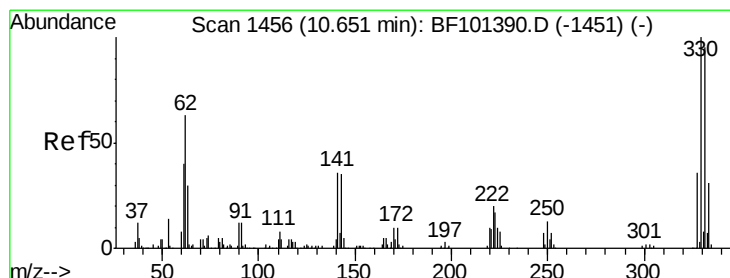
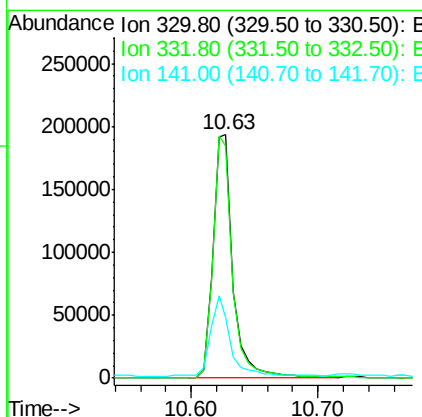
Manual Integrations
APPROVED

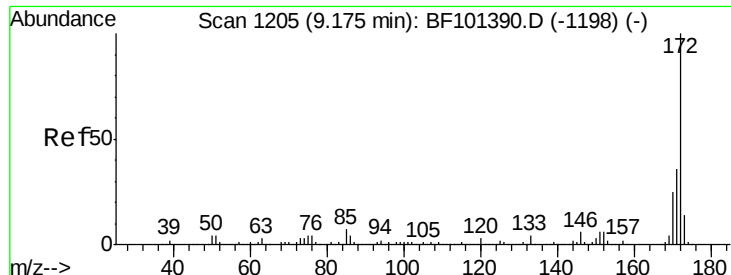
Sohil
12/27/2017 4:15:03 PM



#41
2,4,6-Tribromophenol
Concen: 120.006 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	216027		
332	98.4	77.0	115.6	
141	33.3	29.9	44.9	





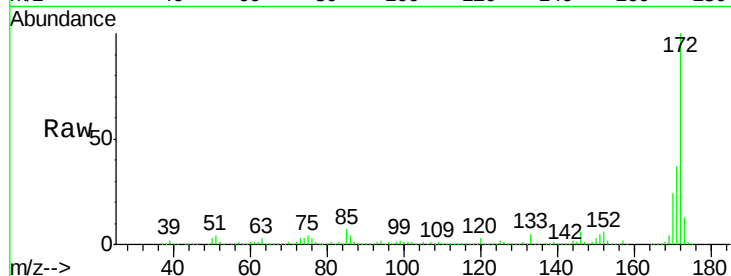
#44
2-Fluorobiphenyl
Concen: 86.532 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

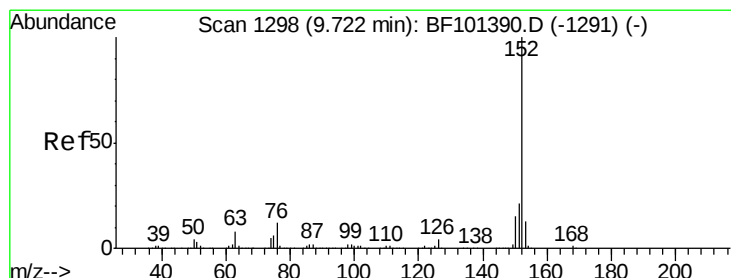
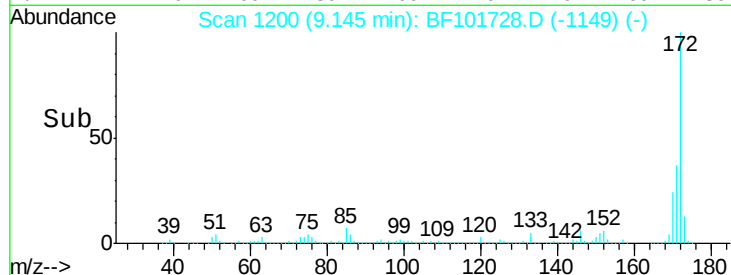
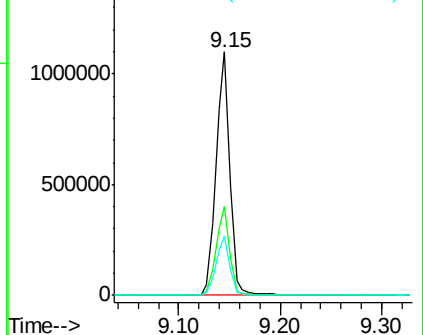
Tgt Ion:172 Resp: 1042113
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.2 19.6 29.4

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 PM



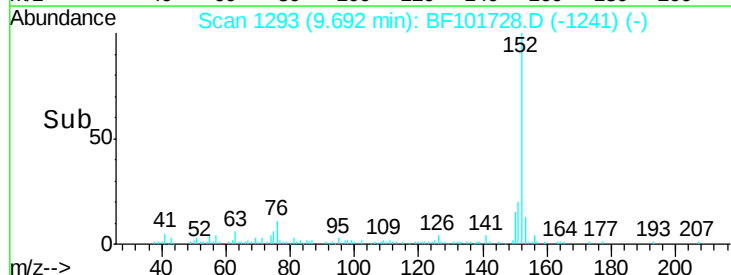
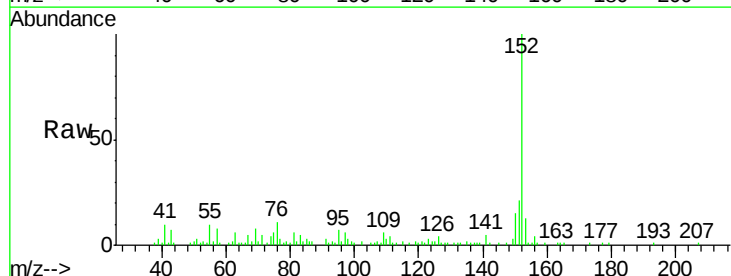
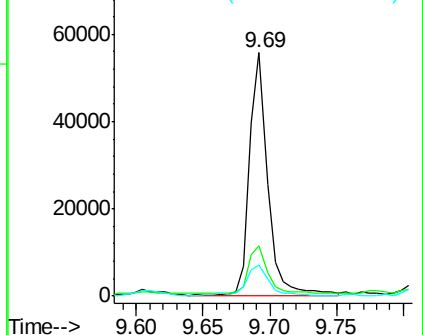
Abundance Ion 172.00 (171.70 to 172.70): E
1500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

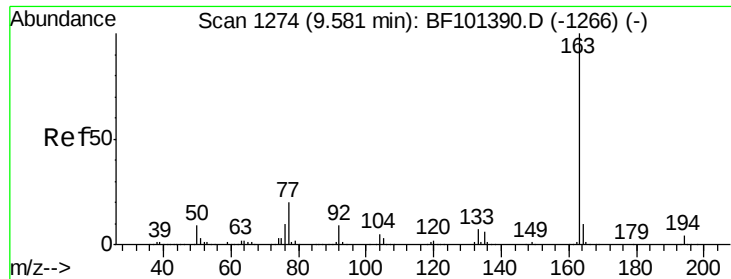


#48
Acenaphthylene
Concen: 2.652 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion:152 Resp: 53107
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 12.7 10.7 16.1

Abundance Ion 152.00 (151.70 to 152.70): E
60000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





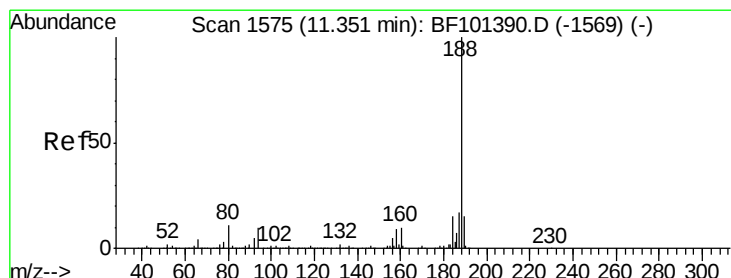
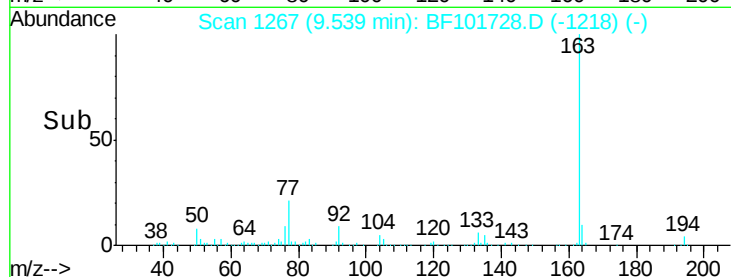
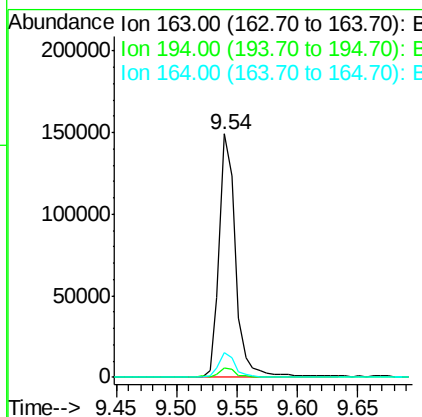
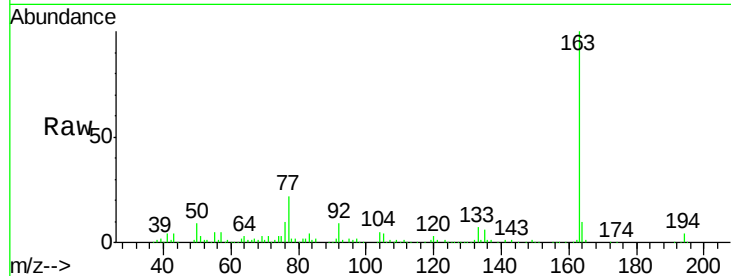
#49
Dimethylphthalate
Concen: 9.209 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.7	2.7	4.1
164	10.1	8.2	12.2

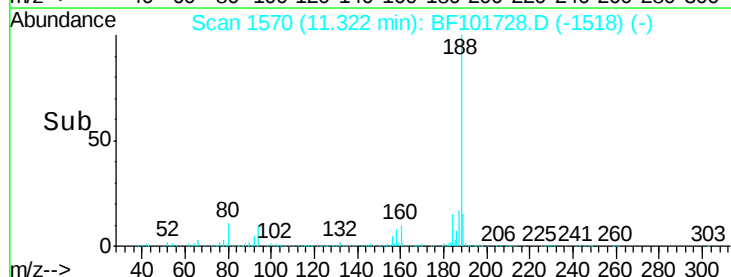
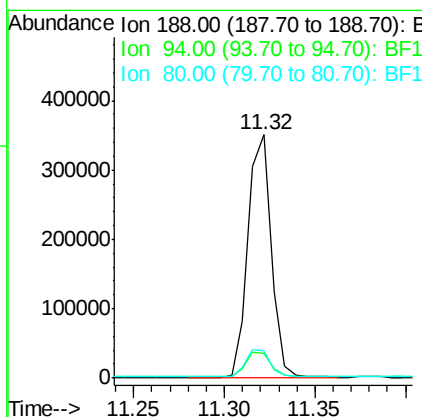
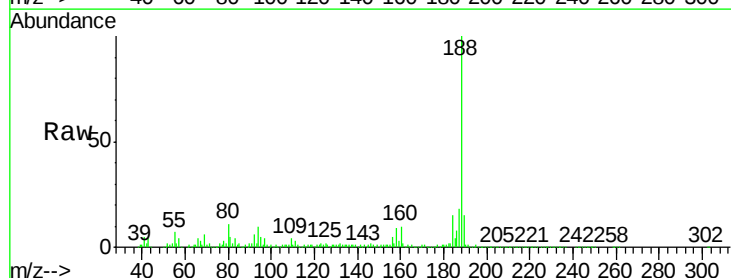
Manual Integrations
APPROVED

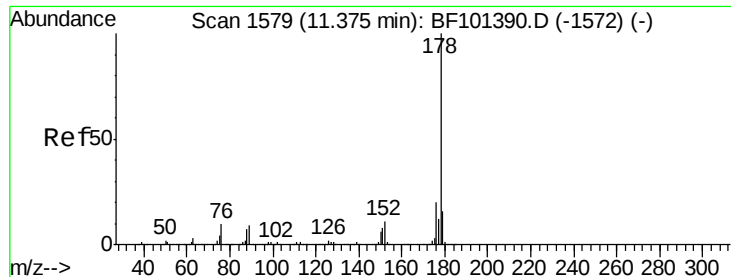
Sohil
12/27/2017 4:15:03 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	8.5	12.7
80	11.4	9.2	13.8





#70

Phenanthrene

Concen: 19.454 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF101728.D

Acq: 26 Dec 2017 22:00

Instrument :

BNA_F

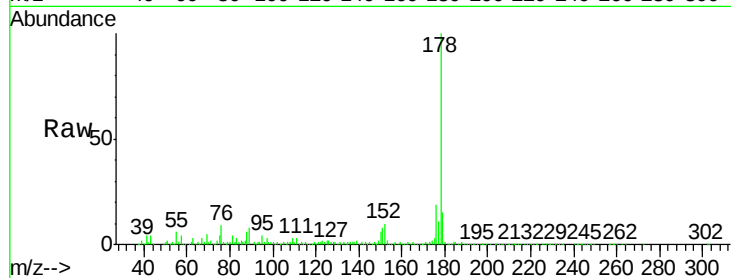
ClientSampleId :

RT-3074-RT-917

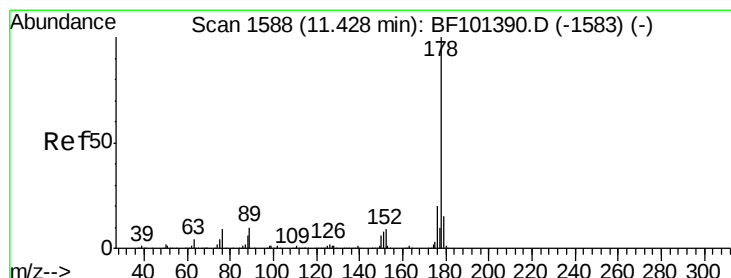
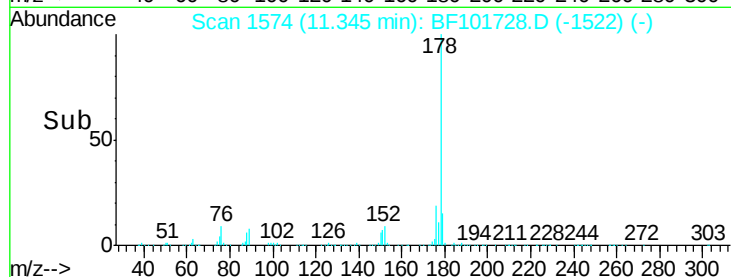
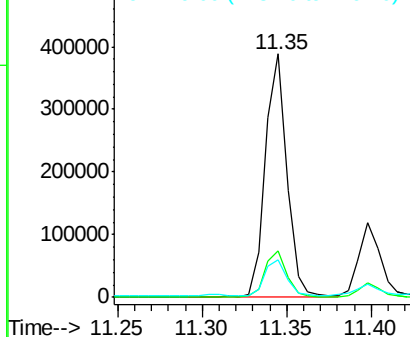
Tgt Ion:	178	Resp:	341038
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 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



#71

Anthracene

Concen: 5.759 ng

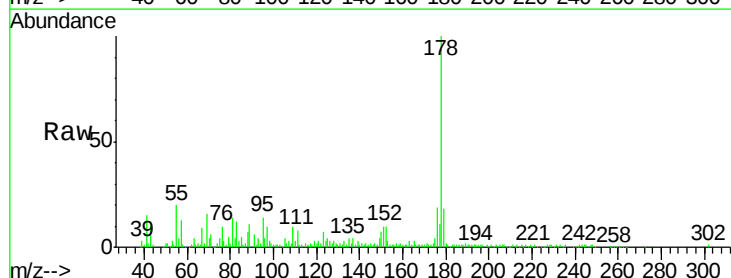
RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

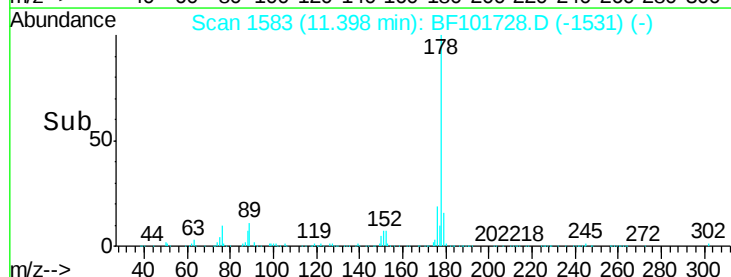
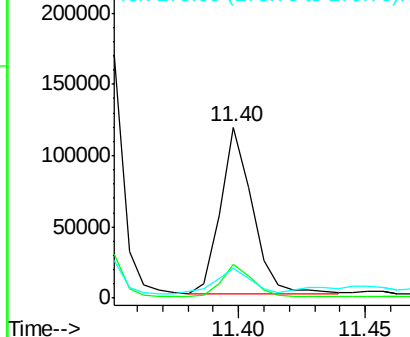
Lab File: BF101728.D

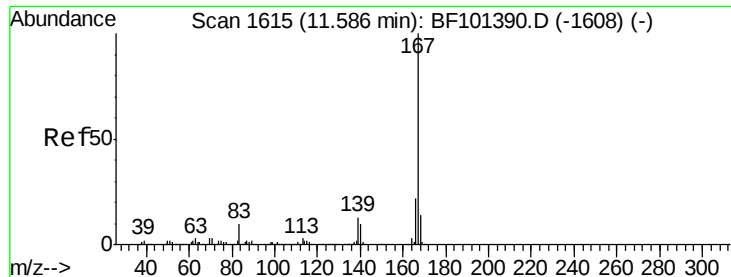
Acq: 26 Dec 2017 22:00

Tgt Ion:	178	Resp:	103130
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	17.6	12.6	19.0



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





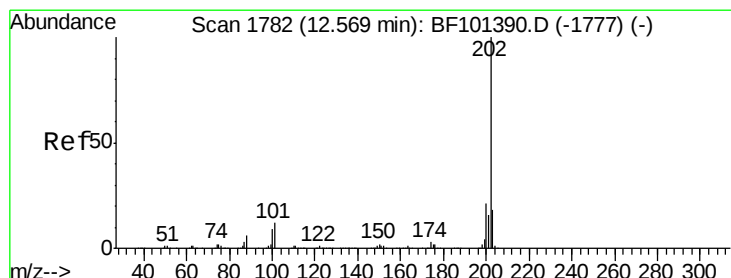
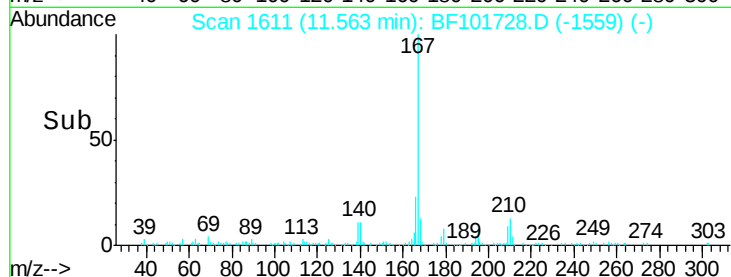
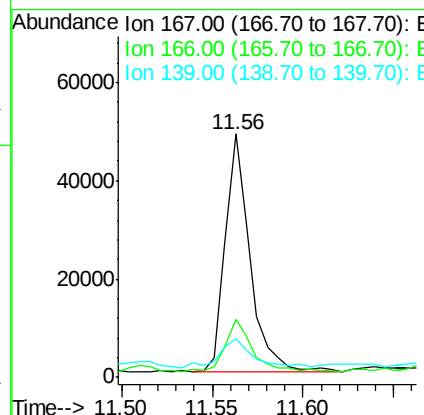
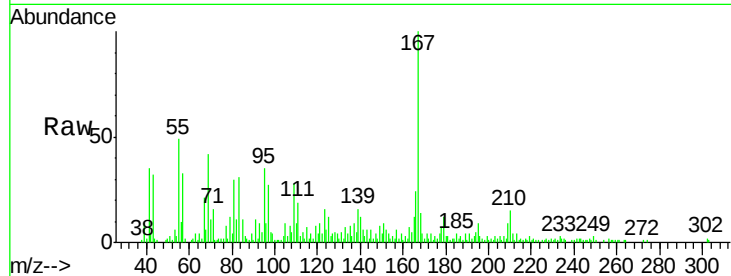
#72
 Carbazole
 Concen: 2.728 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF101728.D
 Acq: 26 Dec 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 RT-3074-RT-917

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.6	26.4
139	15.9	10.9	16.3

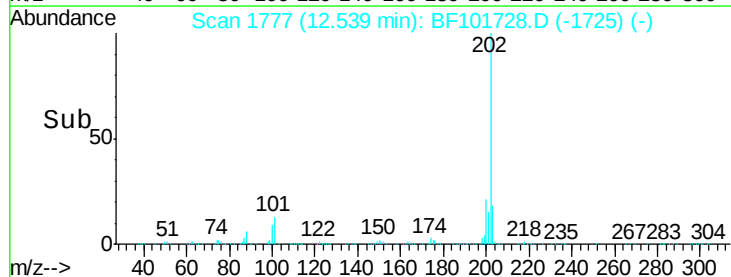
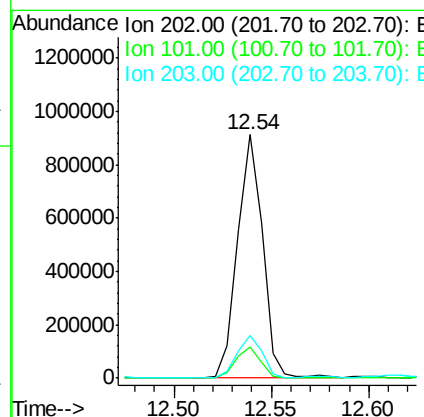
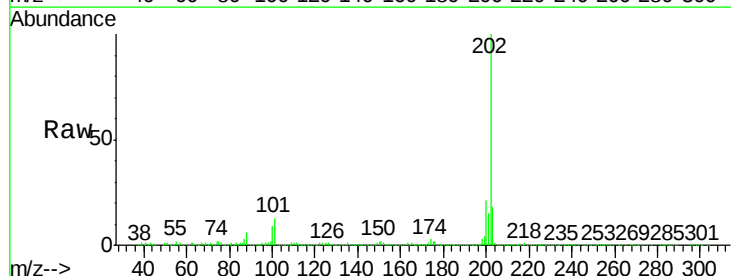
Manual Integrations
 APPROVED

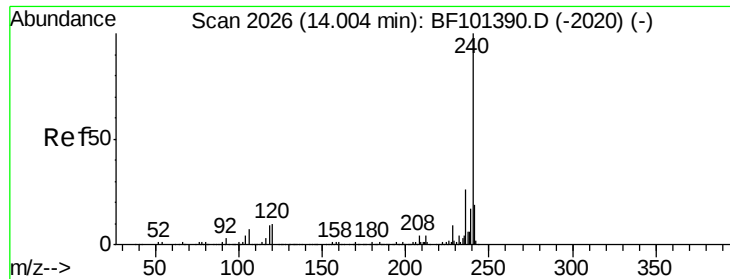
Sohil
 12/27/2017 4:15:03 PM



#74
 Fluoranthene
 Concen: 44.459 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101728.D
 Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101728.D

Acq: 26 Dec 2017 22:00

Instrument :

BNA_F

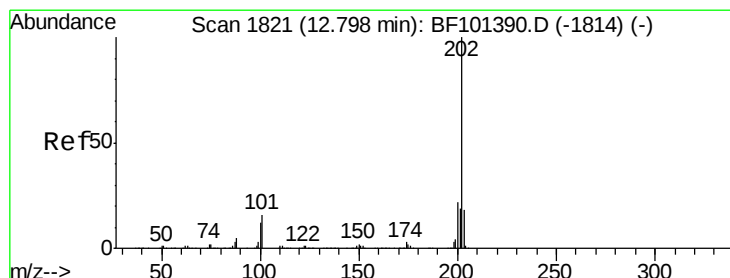
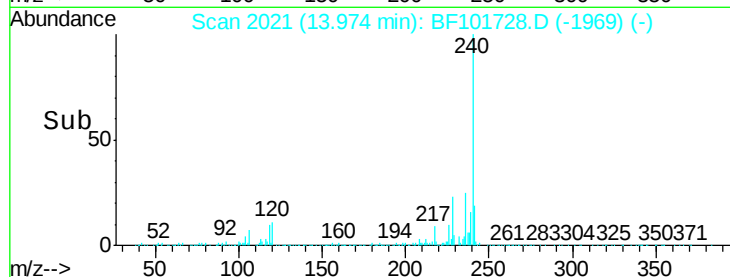
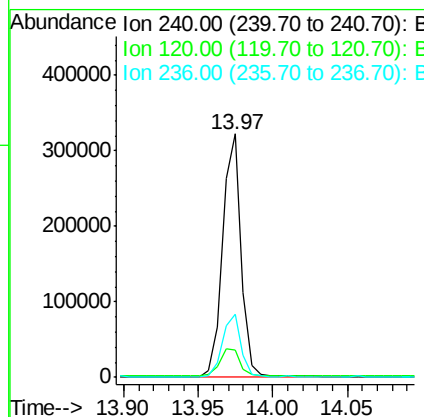
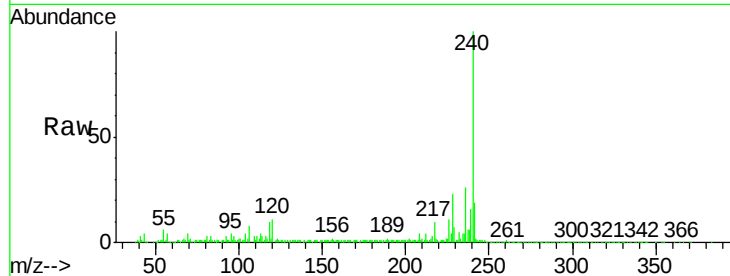
ClientSampleId :

RT-3074-RT-917

Tgt	Ion	240	Resp:	279607
Ion	Ratio	Lower	Upper	
240	100			
120	11.2	9.5	14.3	
236	25.7	20.7	31.1	

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 PM



#77

Pyrene

Concen: 33.878 ng

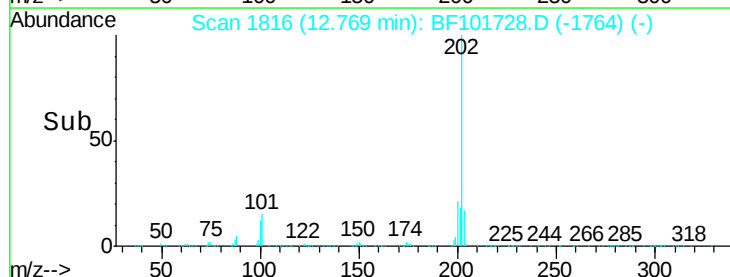
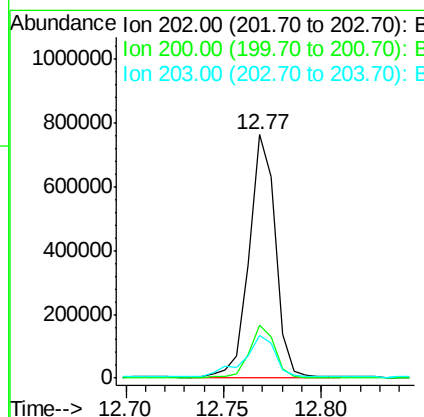
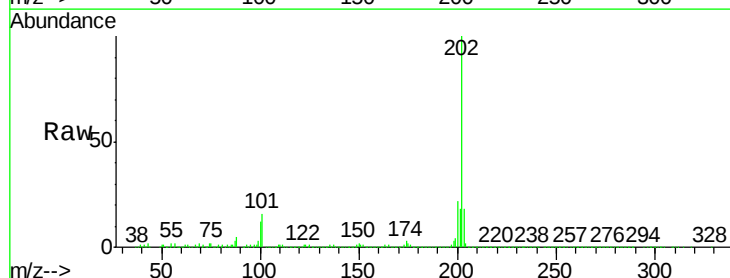
RT: 12.77 min Scan# 1816

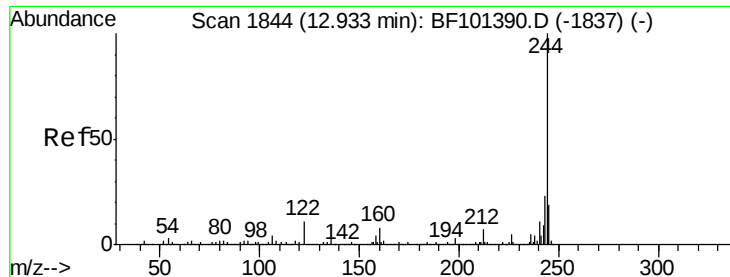
Delta R.T. 0.01 min

Lab File: BF101728.D

Acq: 26 Dec 2017 22:00

Tgt	Ion	202	Resp:	710901
Ion	Ratio	Lower	Upper	
202	100			
200	21.5	17.4	26.2	
203	17.7	14.3	21.5	





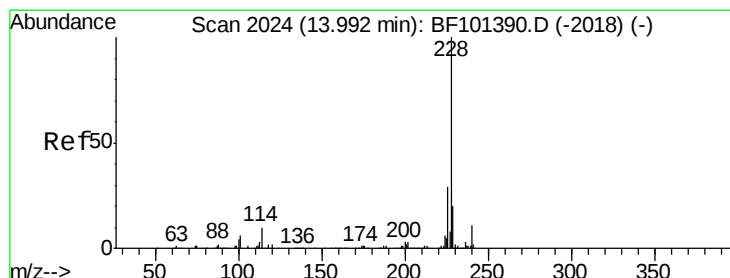
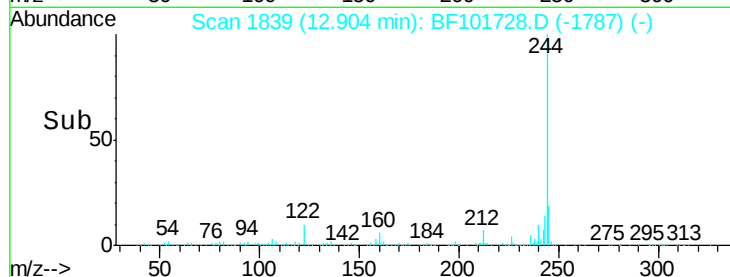
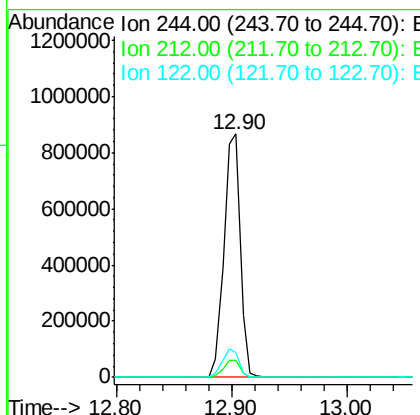
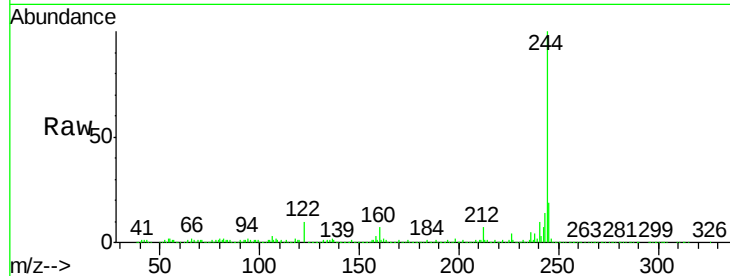
#78
 Terphenyl-d14
 Concen: 73.391 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF101728.D
 Acq: 26 Dec 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 RT-3074-RT-917

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.1	11.0	16.4

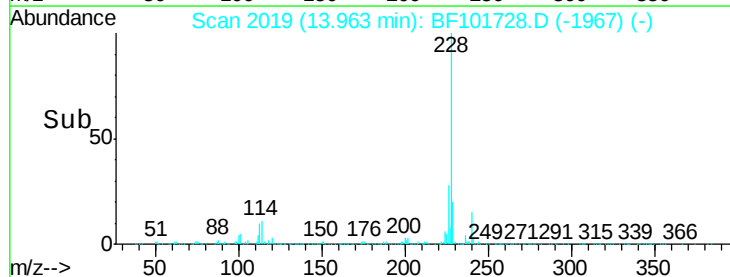
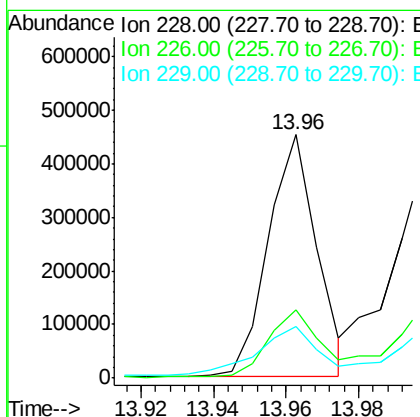
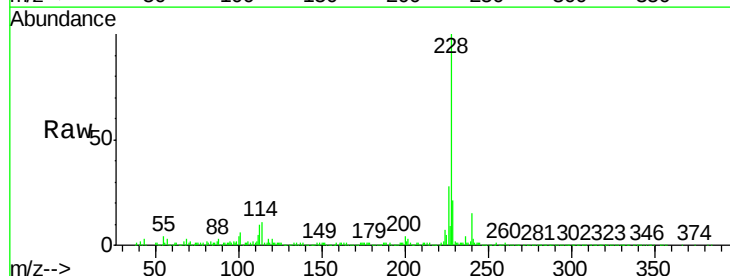
Manual Integrations
 APPROVED

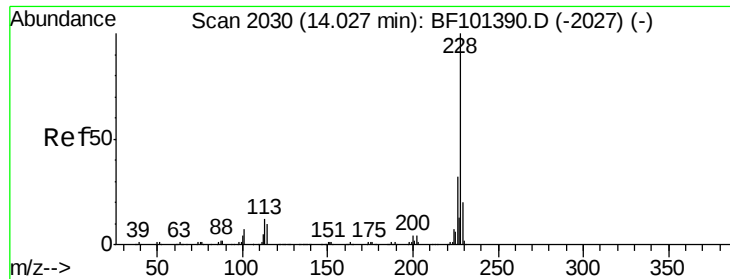
Sohil
 12/27/2017 4:15:03 PM



#80
 Benzo(a)anthracene
 Concen: 22.702 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101728.D
 Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	21.0	15.8	23.6





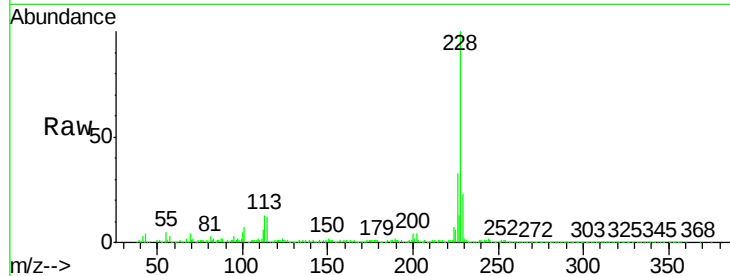
#82
Chrysene
Concen: 25.537 ng m
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.0	37.6
229	22.5	16.2	24.4

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 PM

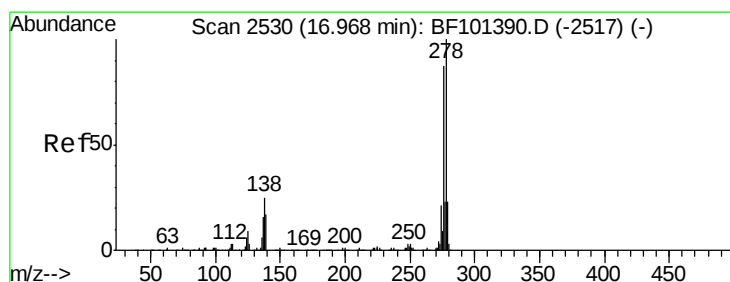
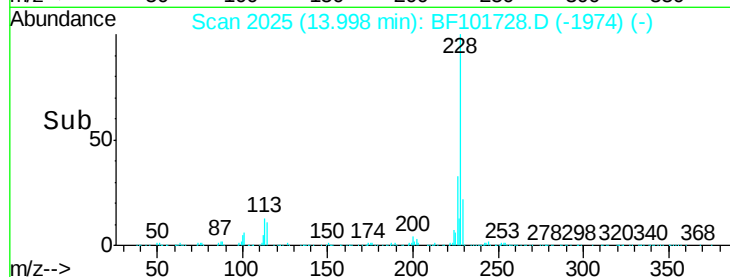
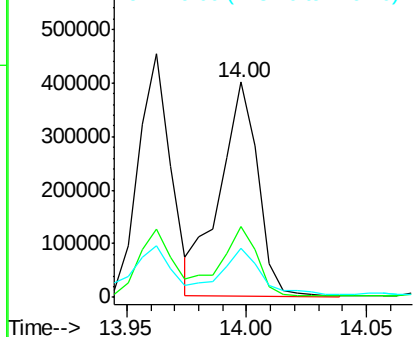


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.162 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

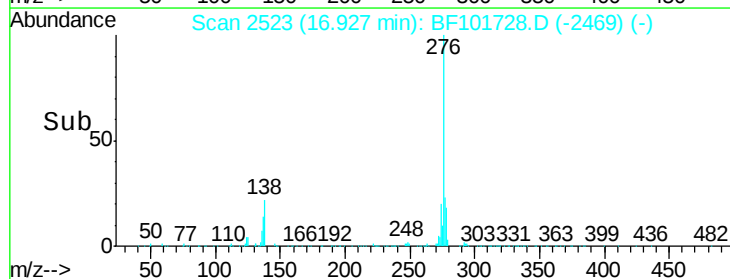
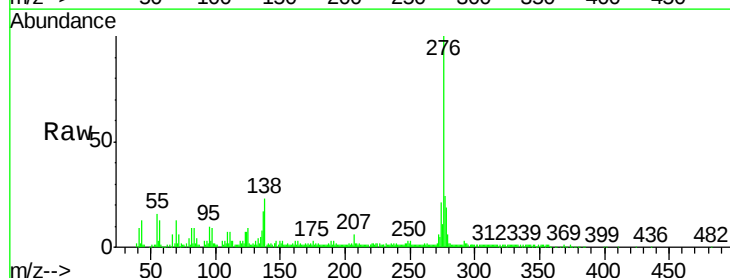
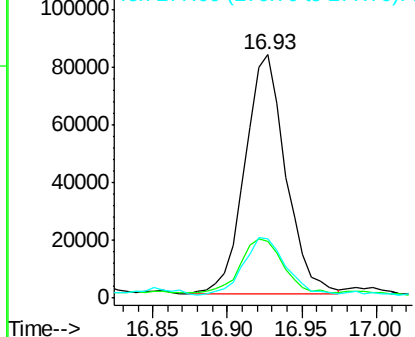
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	24.0	20.1	30.1

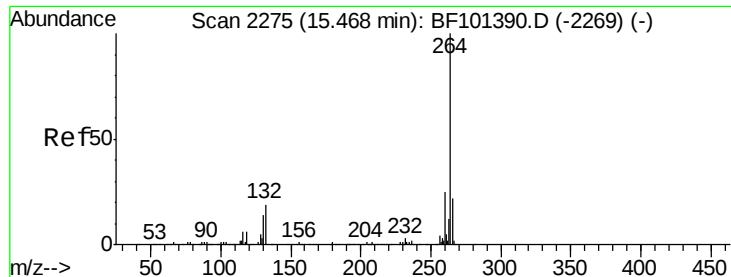
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





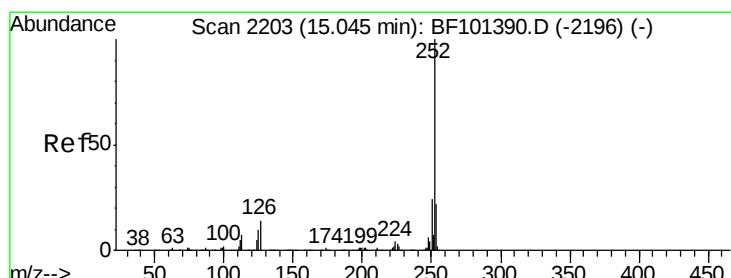
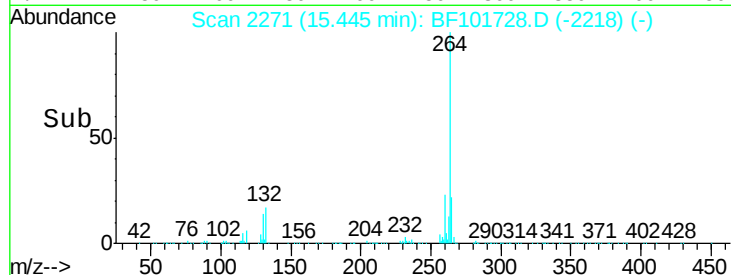
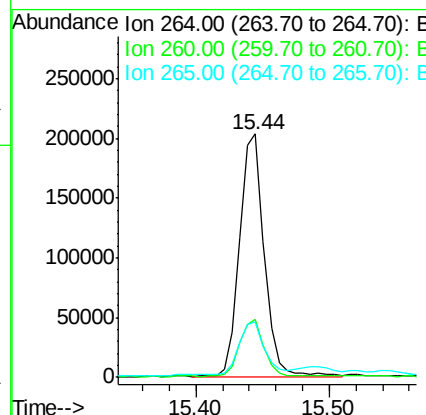
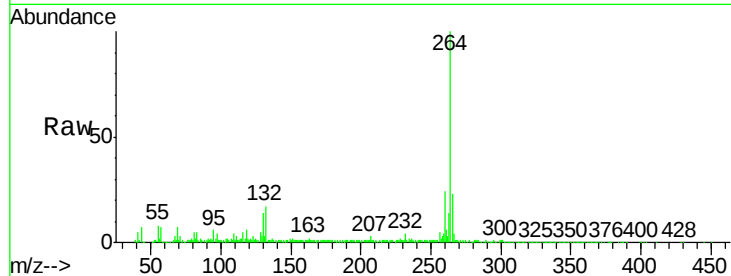
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	261166		
260	24.0	19.2	28.8	
265	23.0	17.5	26.3	

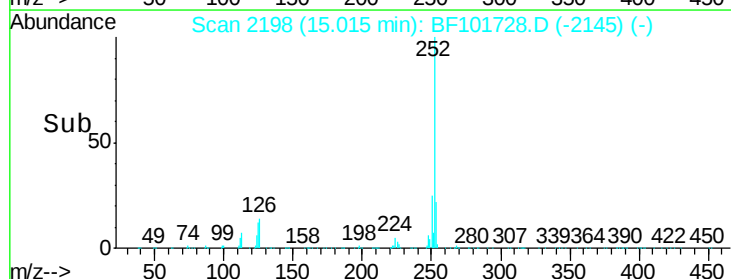
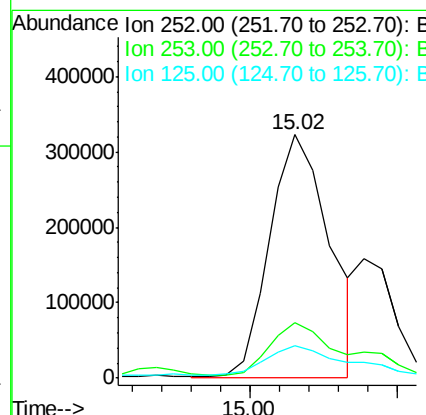
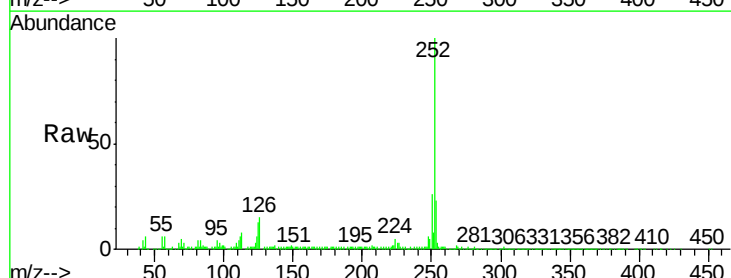
Manual Integrations
APPROVED

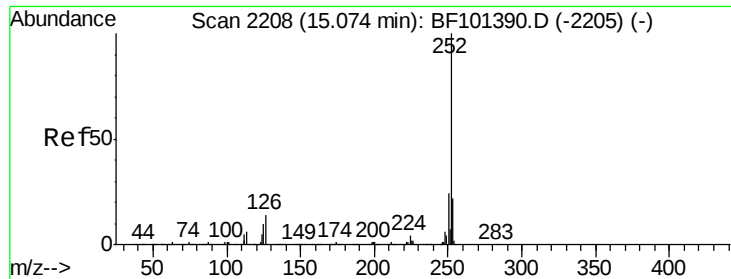
Sohil
12/27/2017 4:15:03 PM



#87
Benzo(b)fluoranthene
Concen: 28.739 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	457479		
253	22.9	17.0	25.6	
125	13.3	9.0	13.6	





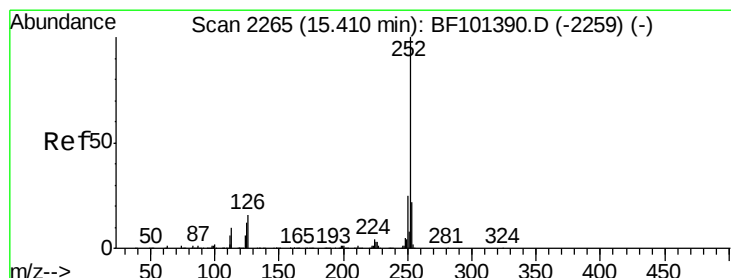
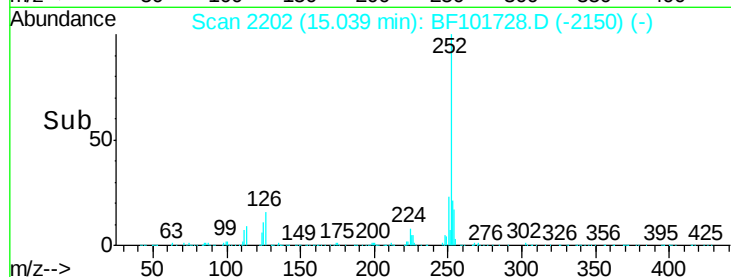
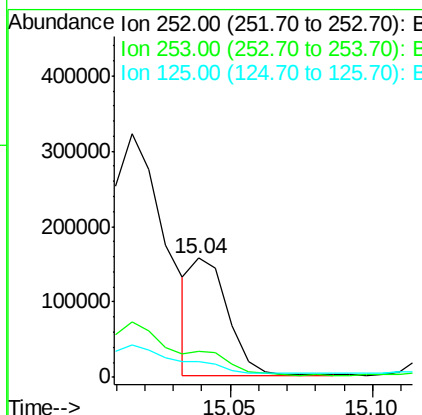
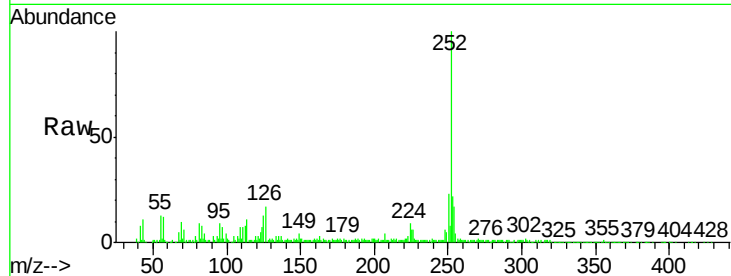
#88
Benzo(k)fluoranthene
Concen: 8.870 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleId :
RT-3074-RT-917

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.4	10.2	15.2

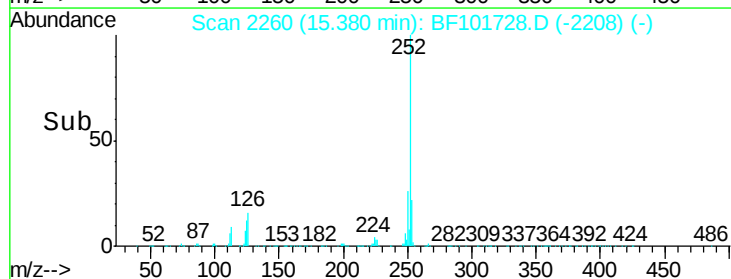
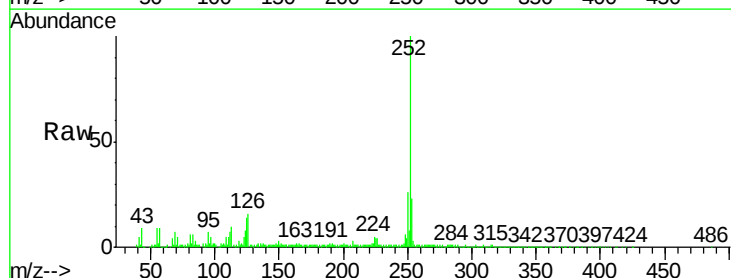
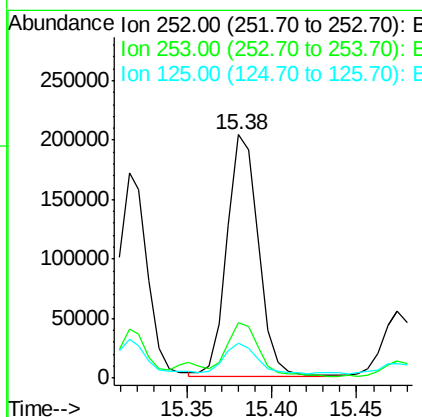
Manual Integrations
APPROVED

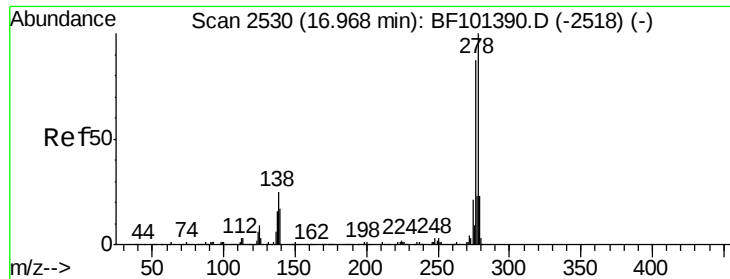
Sohil
12/27/2017 4:15:03 PM



#89
Benzo(a)pyrene
Concen: 17.868 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.4	9.8	14.6





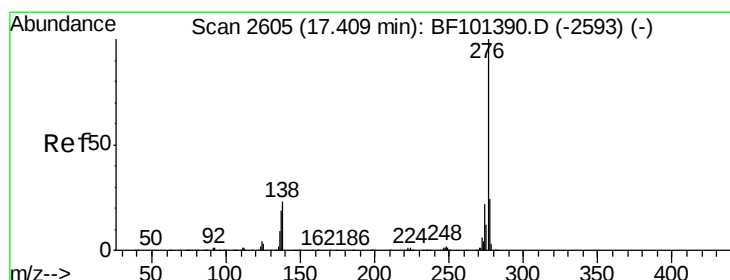
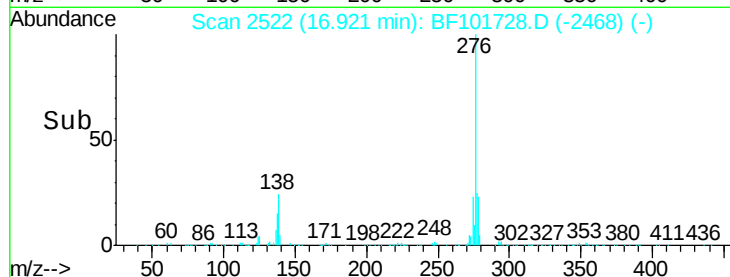
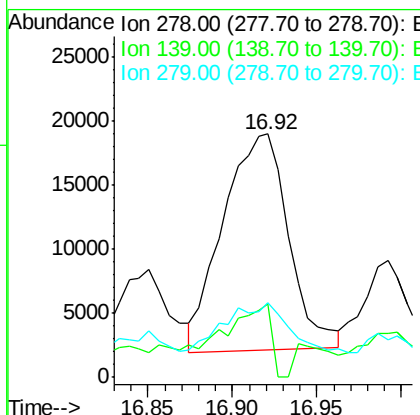
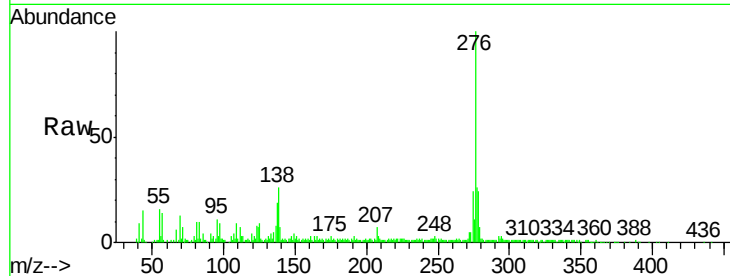
#90
Dibenzo(a,h)anthracene
Concen: 3.603 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.02 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Instrument :
BNA_F
ClientSampleID :
RT-3074-RT-917

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.4	15.9	23.9#
279	30.9	19.0	28.4#

Manual Integrations
APPROVED

Sohil
12/27/2017 4:15:03 PM



#91
Benzo(g,h,i)perylene
Concen: 11.459 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF101728.D
Acq: 26 Dec 2017 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	22.1	21.8	32.8

