

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104563.D
 Acq On : 17 Apr 2018 16:11
 Operator : JU/SJ
 Sample : J2407-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:29 PM

Quant Time: Apr 17 17:18:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	151193	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	613729	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	219351	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	432834	20.00	ng	0.00
75) Chrysene-d12	13.98	240	334935	20.00	ng	0.00
86) Perylene-d12	15.44	264	354290	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	332785	33.66	ng	0.00
7) Phenol-d6	6.43	99	412667	33.97	ng	-0.01
23) Nitrobenzene-d5	7.36	82	247009	26.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	90738	39.88	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	439747	31.67	ng	0.00
78) Terphenyl-d14	12.92	244	343438	23.38	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	48063	2.779	ng	98
57) Fluorene	10.39	166	32301	2.285	ng	# 98
70) Phenanthrene	11.36	178	304111	12.616	ng	98
71) Anthracene	11.40	178	109499	4.469	ng	98
74) Fluoranthene	12.54	202	454181	18.034	ng	99
77) Pyrene	12.77	202	436997	17.602	ng	99
80) Benzo(a)anthracene	13.97	228	199495	9.970	ng	96
82) Chrysene	14.00	228	200728	9.767	ng	96
85) Indeno(1,2,3-cd)pyrene	16.89	276	106796	6.117	ng	93
87) Benzo(b)fluoranthene	15.02	252	272779m	12.191	ng	
88) Benzo(k)fluoranthene	15.04	252	93833m	4.442	ng	
89) Benzo(a)pyrene	15.38	252	181836	9.082	ng	96
91) Benzo(a,h,i)perylene	17.33	276	99470	6.244	ng	94

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

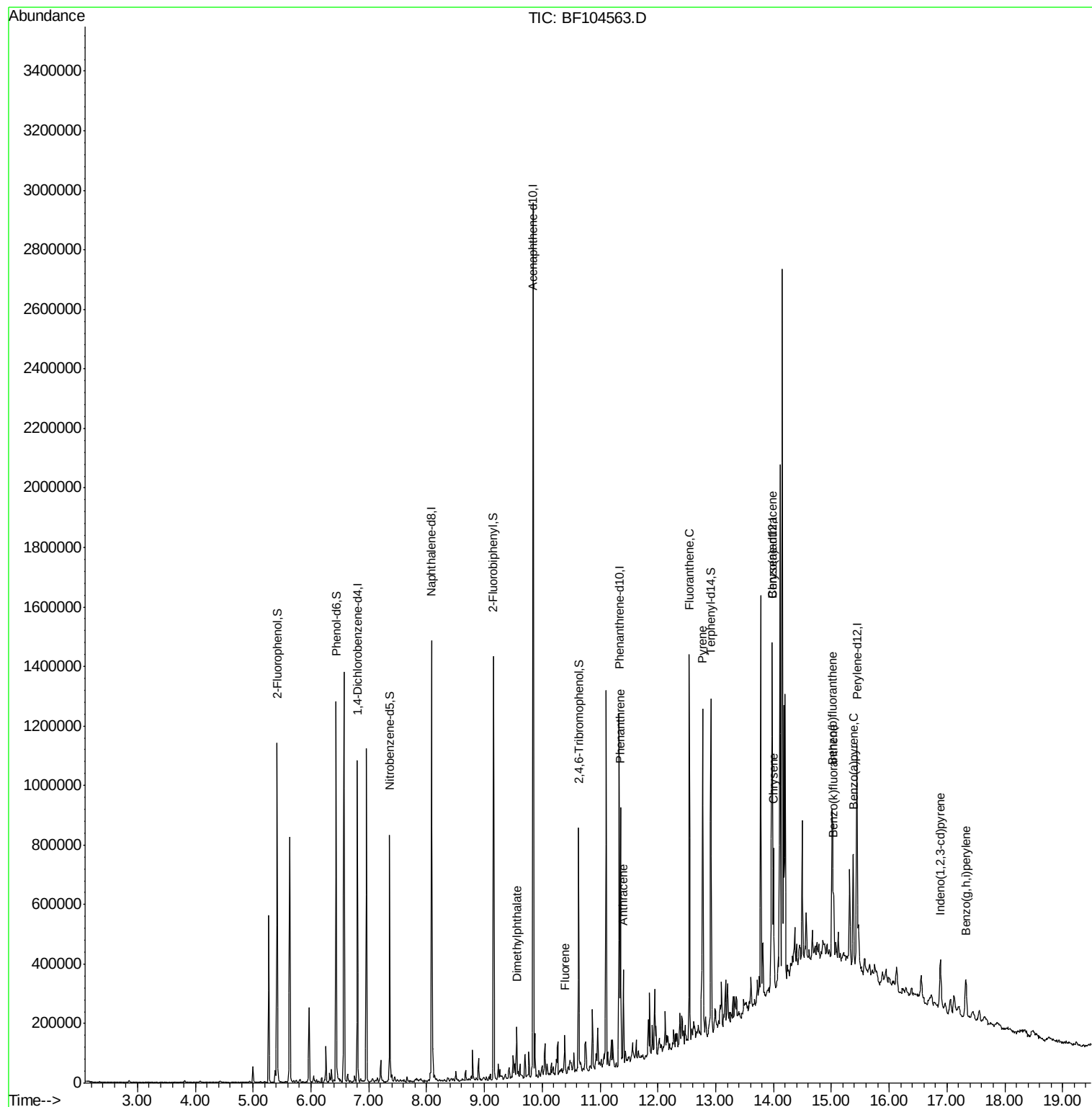
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104563.D
Acq On : 17 Apr 2018 16:11
Operator : JU/SJ
Sample : J2407-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

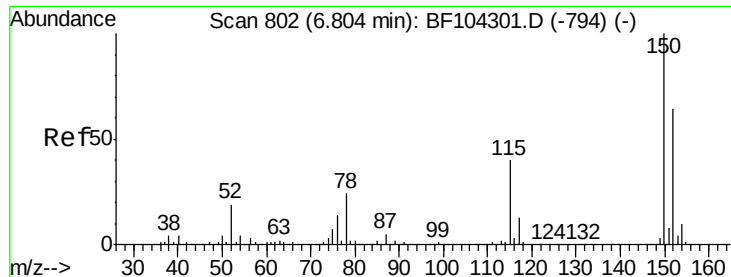
Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:29 PM

Quant Time: Apr 17 17:18:21 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 17 17:08:38 2018
Response via : Initial Calibration





#1

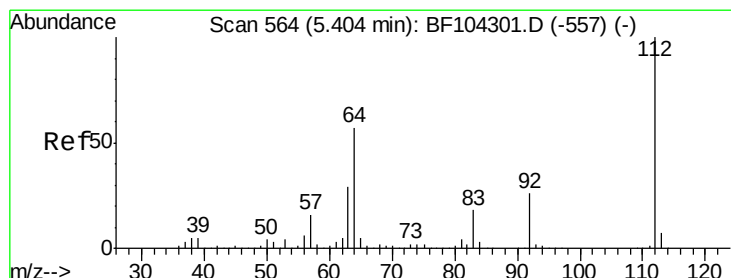
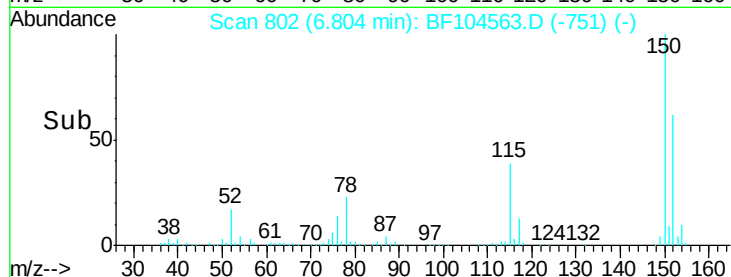
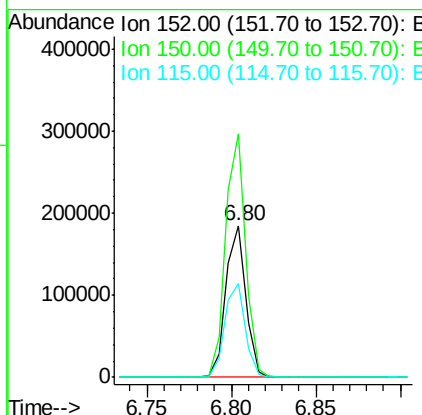
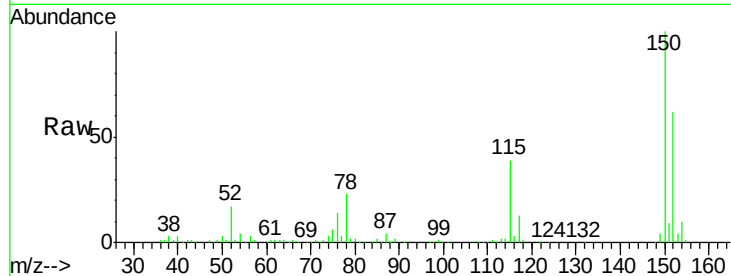
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	62.1	50.1	75.1

Manual Integrations
APPROVED

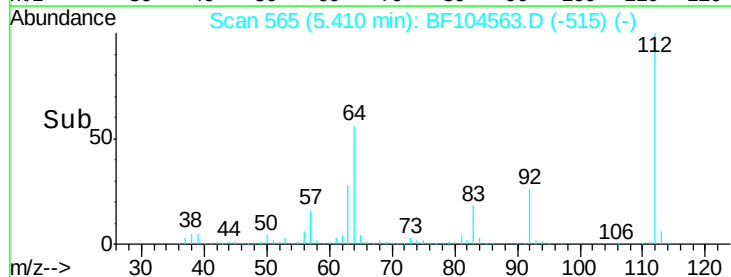
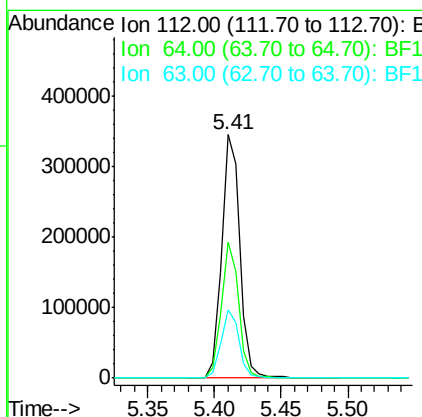
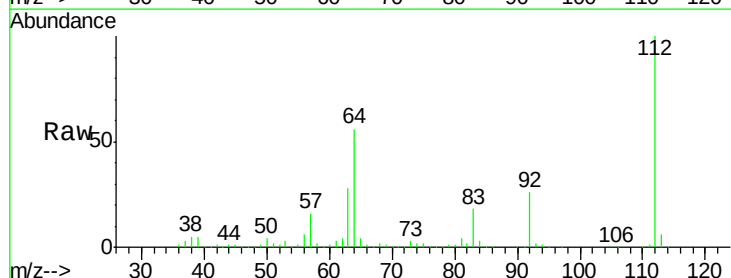
Sohil
4/18/2018 3:00:29 PM

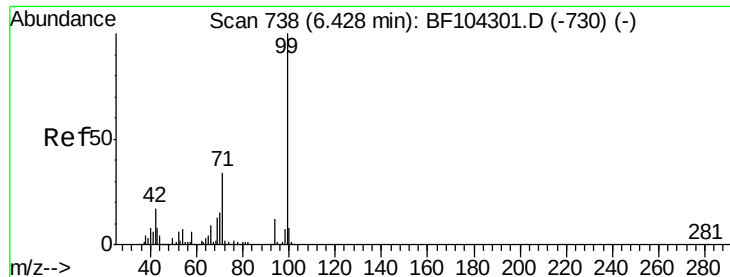


#5

2-Fluorophenol
Concen: 33.655 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 33.967 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

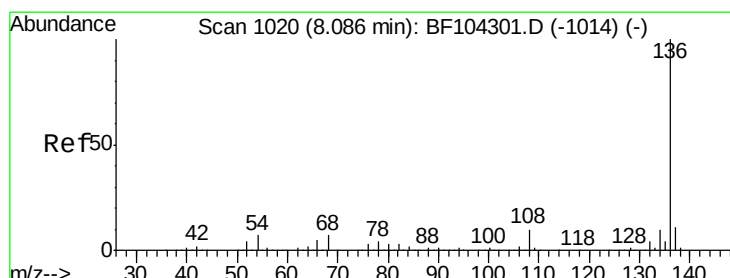
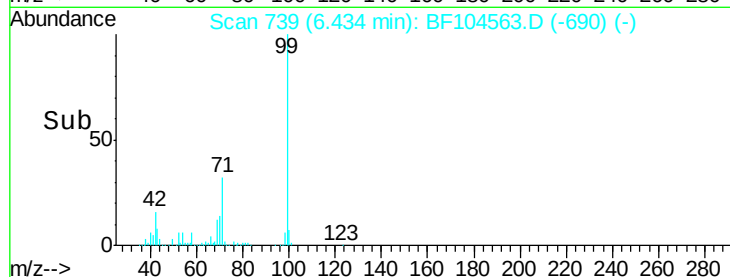
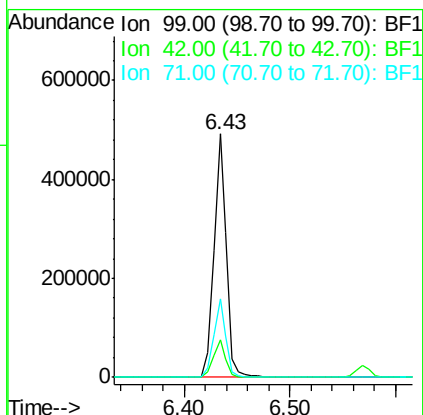
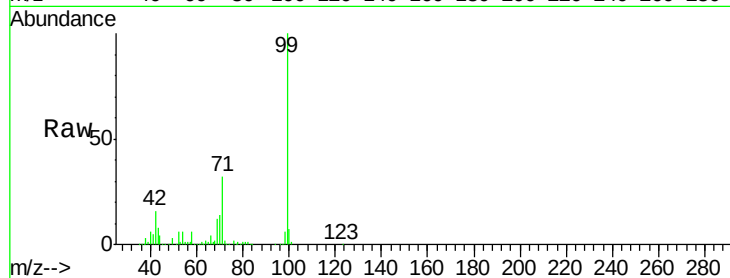
ClientSampleId :

SPOILS-ICTF-A

Tot Ion:	99	Resp:	412667
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	32.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:29 PM



#21

Naphthalene-d8

Concen: 20.000 ng

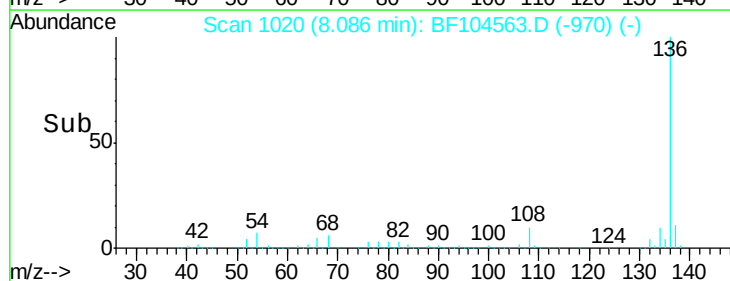
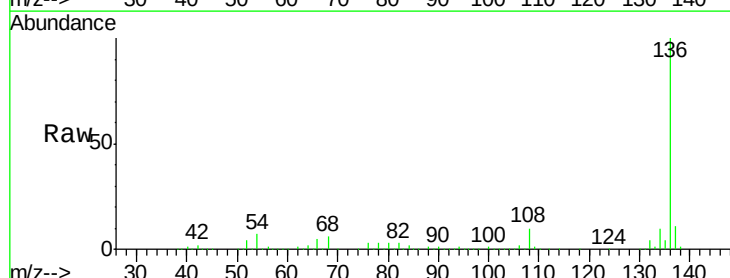
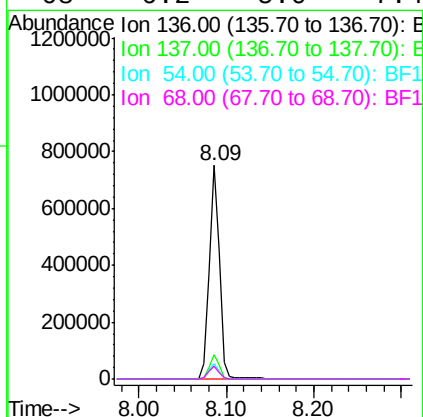
RT: 8.09 min Scan# 1020

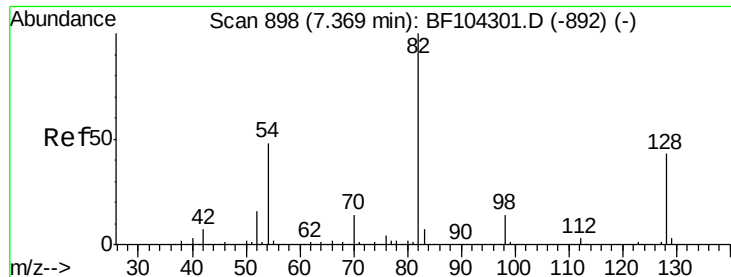
Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Tgt Ion:	136	Resp:	613729
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.1	6.6	9.8
68	6.2	5.0	7.4





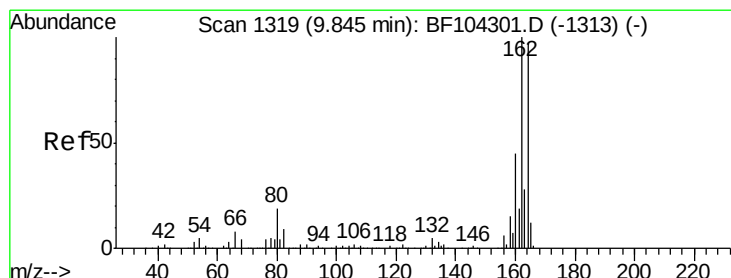
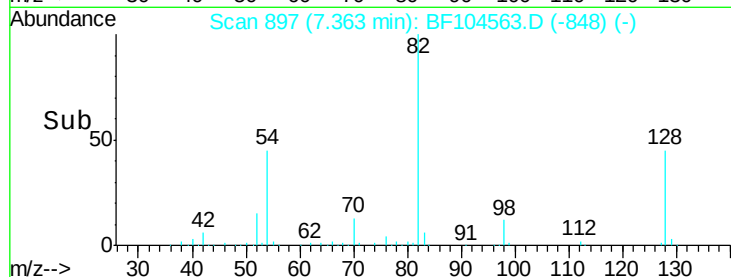
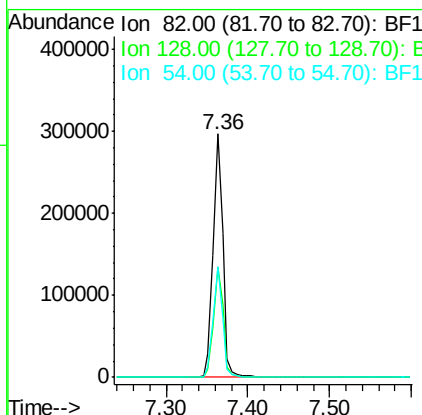
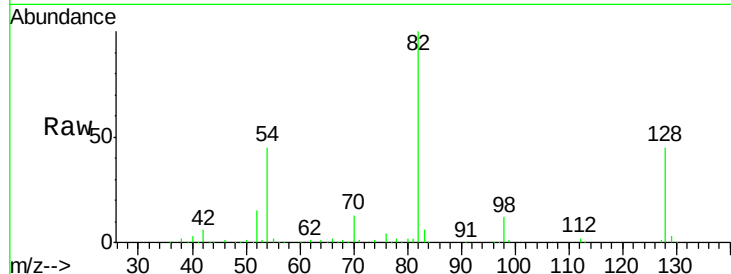
#23
 Nitrobenzene-d5
 Concen: 26.281 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	45.4	41.4	62.2

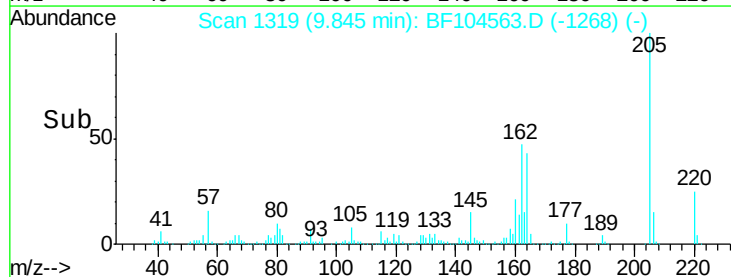
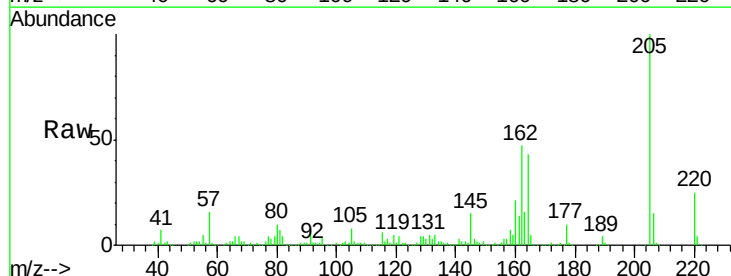
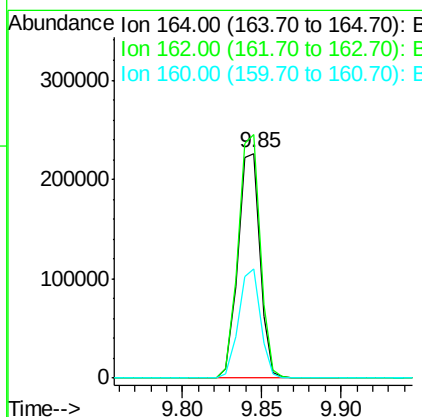
Manual Integrations
 APPROVED

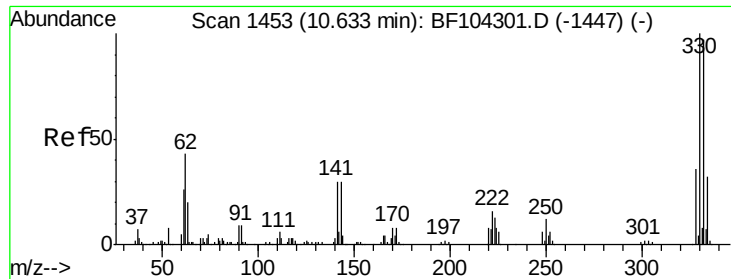
Sohil
 4/18/2018 3:00:29 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.3	86.1	129.1
160	48.5	38.3	57.5





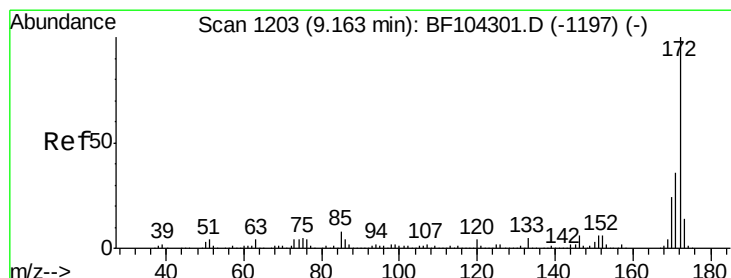
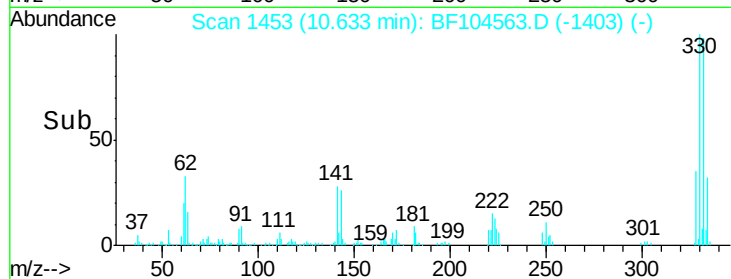
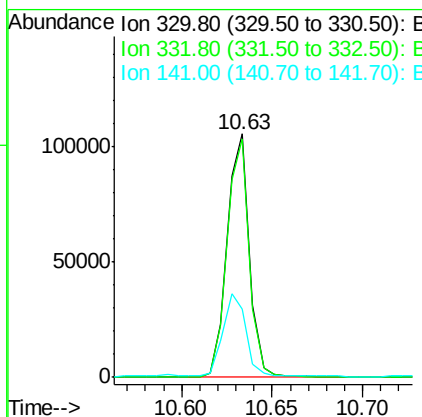
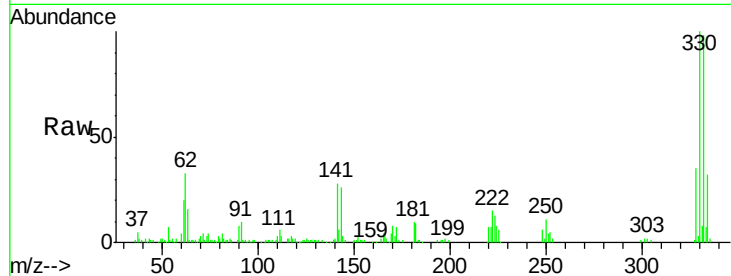
#41
 2,4,6-Tribromophenol
 Concen: 39.878 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	37.3	29.9	44.9

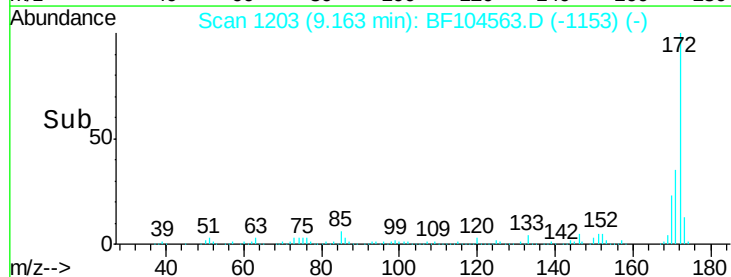
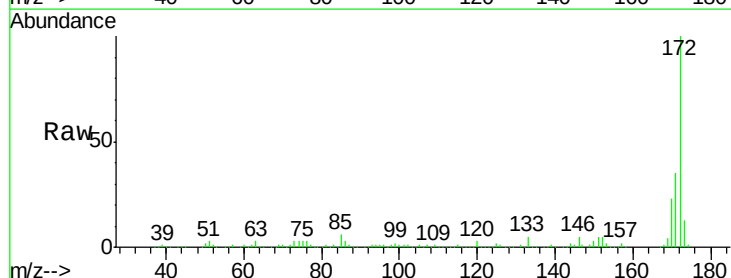
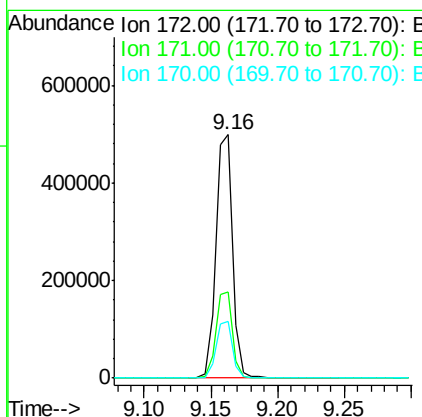
Manual Integrations
 APPROVED

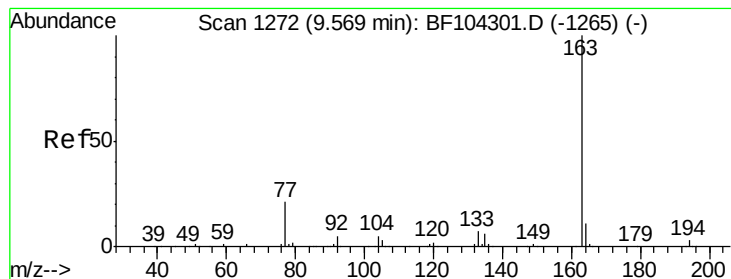
Sohil
 4/18/2018 3:00:29 PM



#44
 2-Fluorobiphenyl
 Concen: 31.670 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.4	19.6	29.4





#49

Dimethylphthalate

Concen: 2.779 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

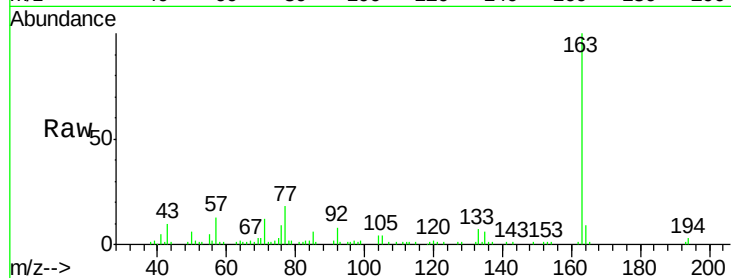
ClientSampleId :

SPOILS-ICTF-A

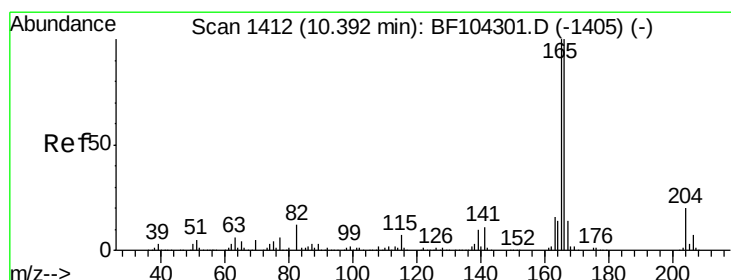
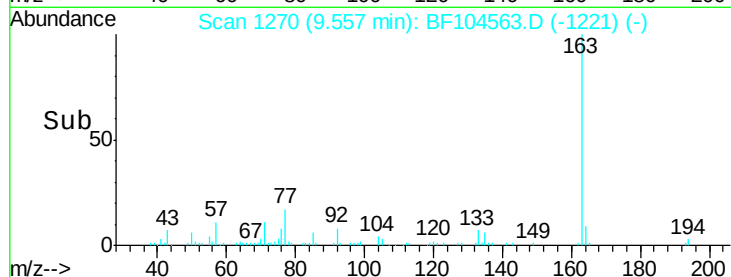
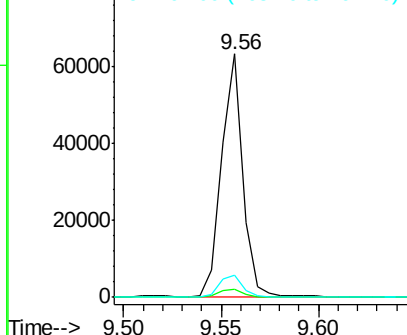
Tot Ion:	163	Resp:	48063
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.2	8.2	12.2

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:29 PM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 2.285 ng

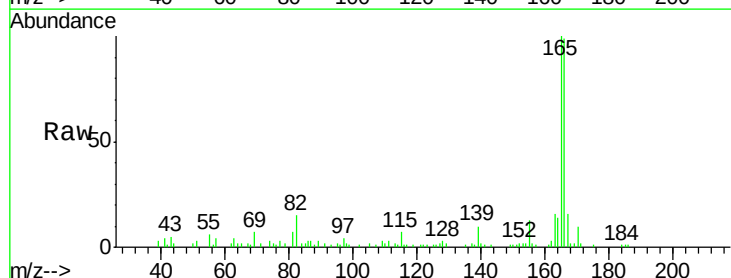
RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

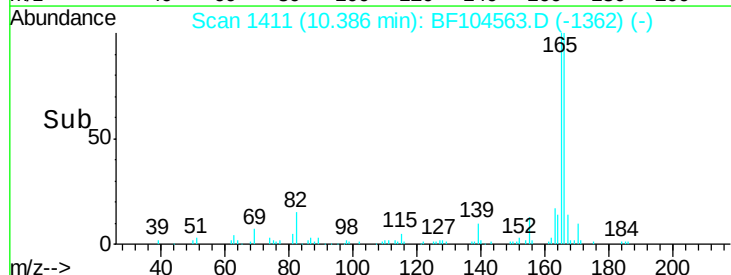
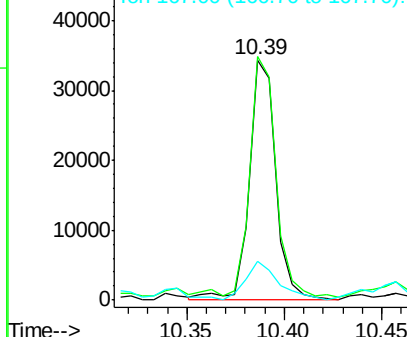
Lab File: BF104563.D

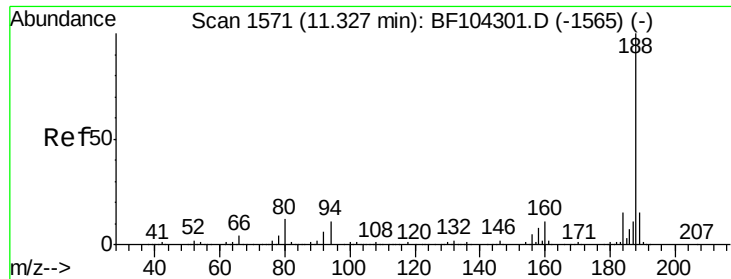
Acq: 17 Apr 2018 16:11

Tgt Ion:	166	Resp:	32301
Ion Ratio	Lower	Upper	
166	100		
165	101.5	79.8	119.8
167	16.1	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





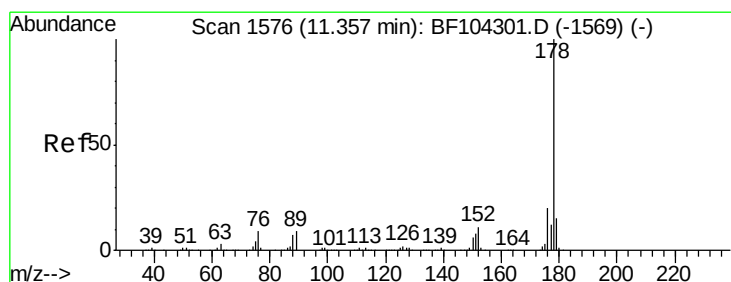
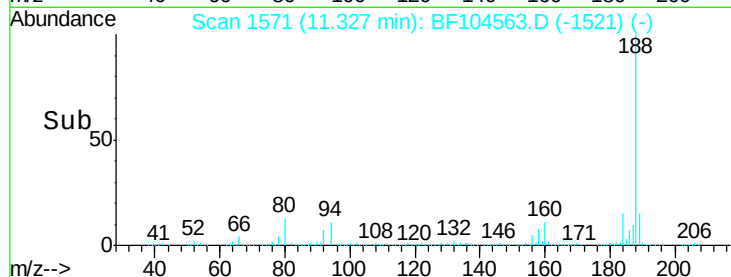
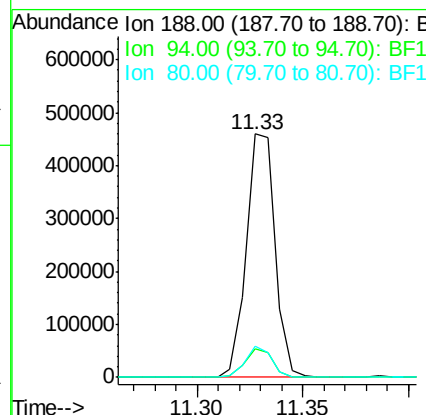
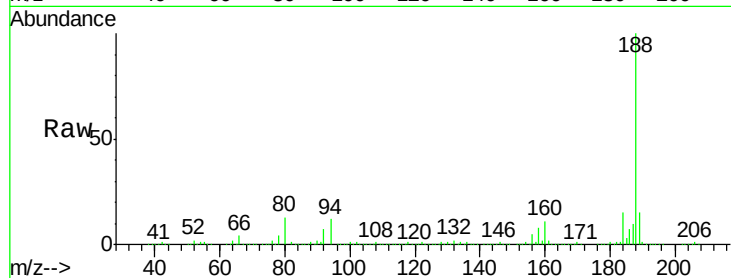
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.7	9.2	13.8

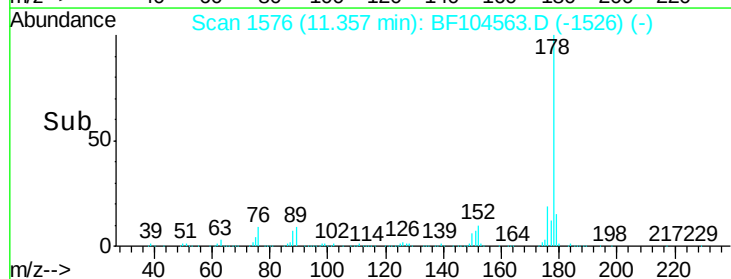
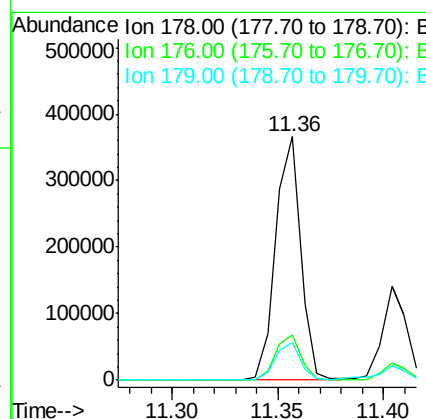
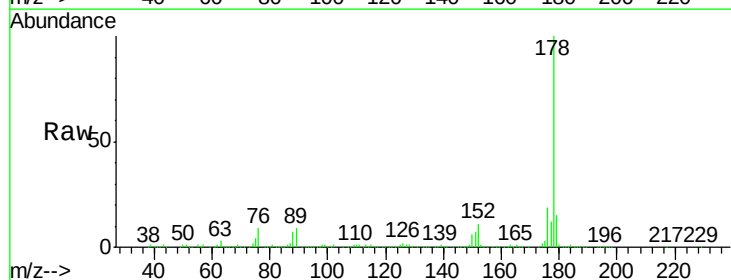
Manual Integrations
APPROVED

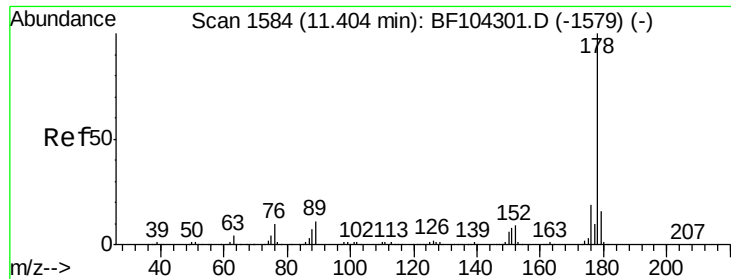
Sohil
4/18/2018 3:00:29 PM



#70
Phenanthrene
Concen: 12.616 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.4	13.0	19.6





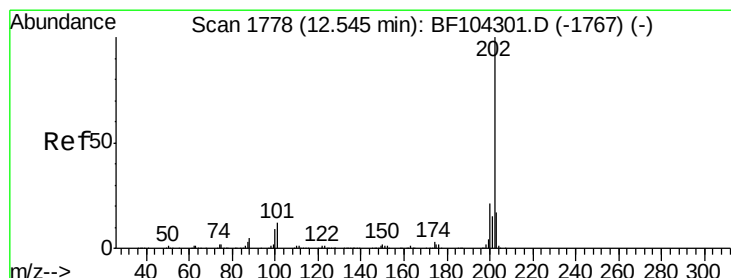
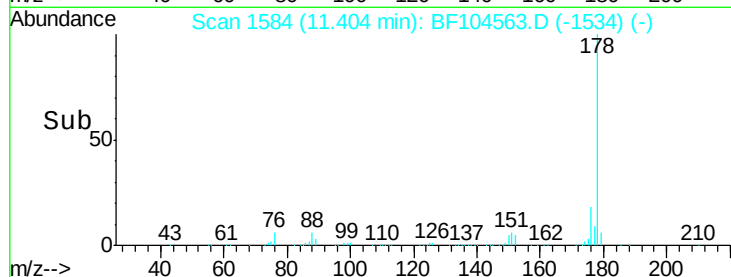
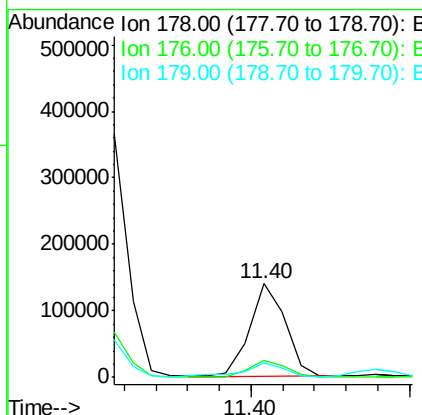
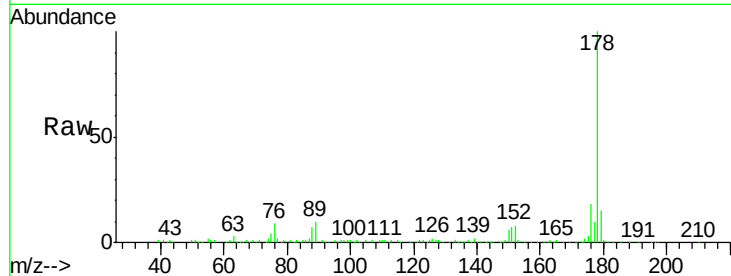
#71
 Anthracene
 Concen: 4.469 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Tot Ion:178	Resp:	109499
Ion Ratio	Lower	Upper
178	100	
176	17.9	15.4 23.2
179	15.2	12.6 19.0

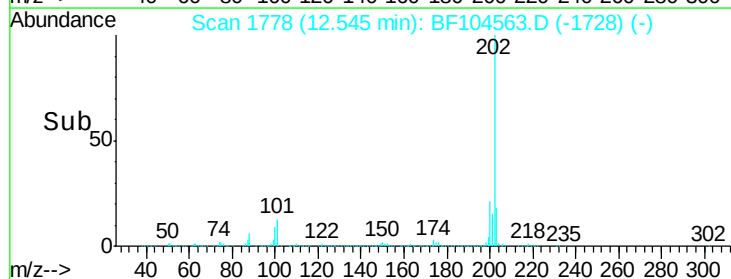
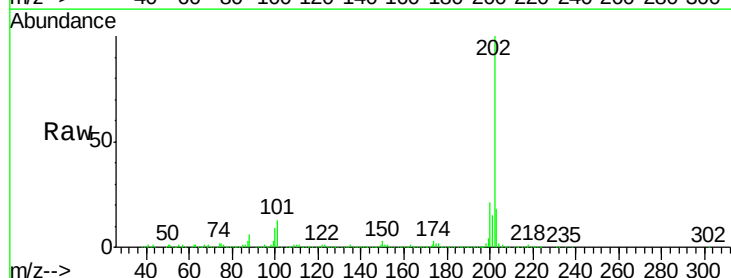
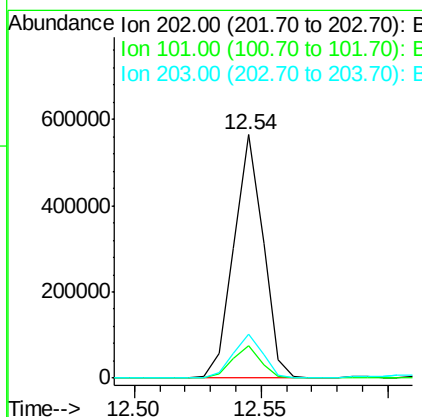
Manual Integrations
 APPROVED

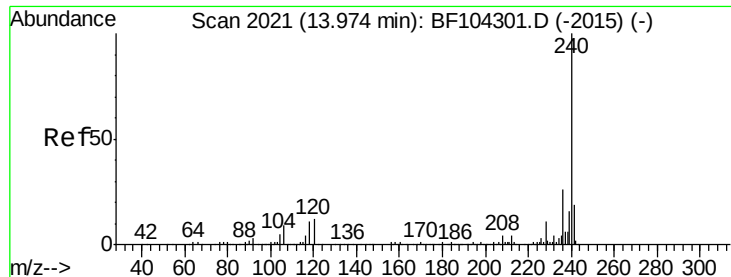
Sohil
 4/18/2018 3:00:29 PM



#74
 Fluoranthene
 Concen: 18.034 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Tgt Ion:202	Resp:	454181
Ion Ratio	Lower	Upper
202	100	
101	13.2	0.0 34.1
203	17.8	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

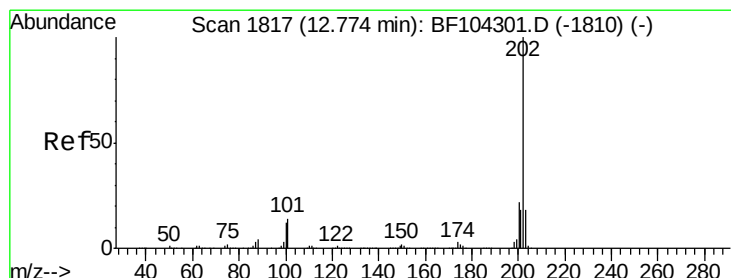
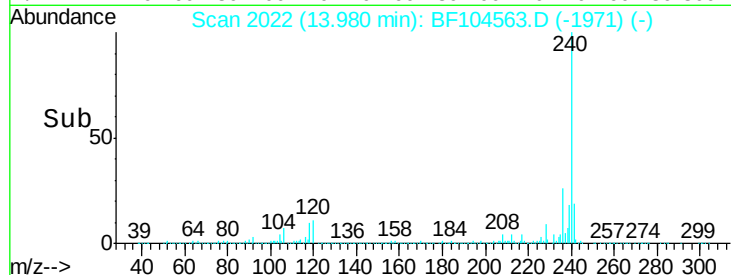
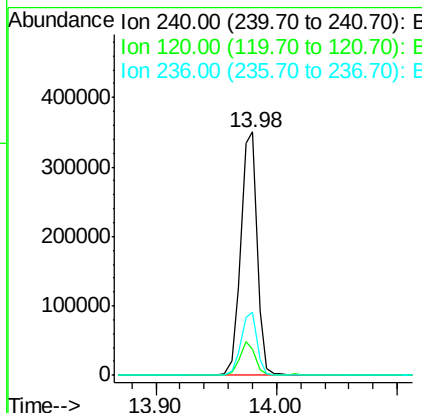
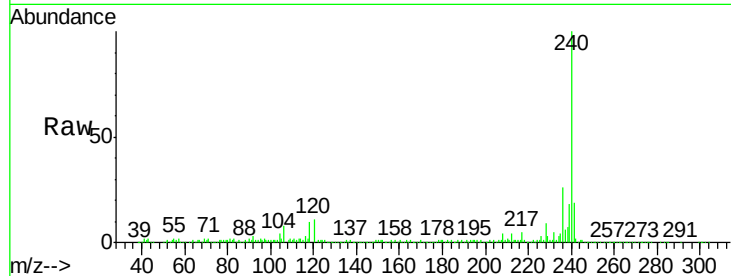
ClientSampleId :

SPOILS-ICTF-A

Tot Ion:	240	Resp:	334935
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.8	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:29 PM



#77

Pyrene

Concen: 17.602 ng

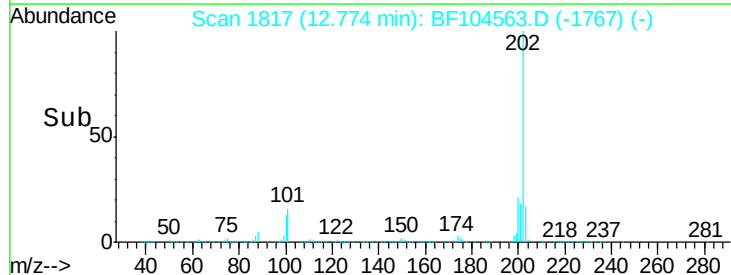
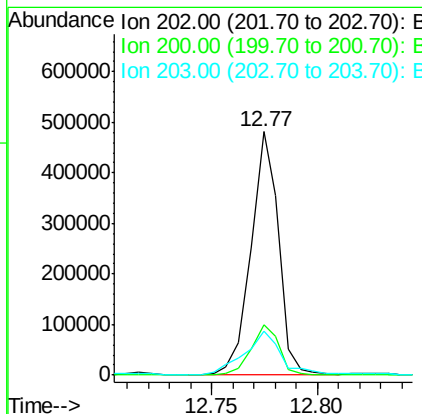
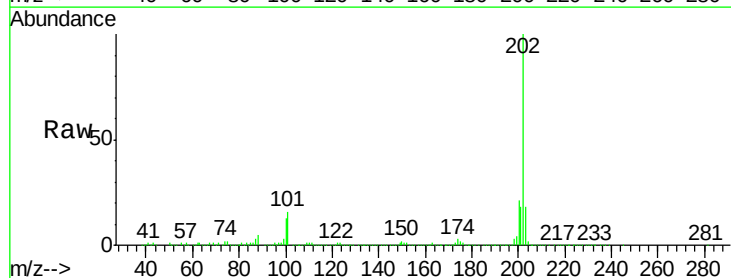
RT: 12.77 min Scan# 1817

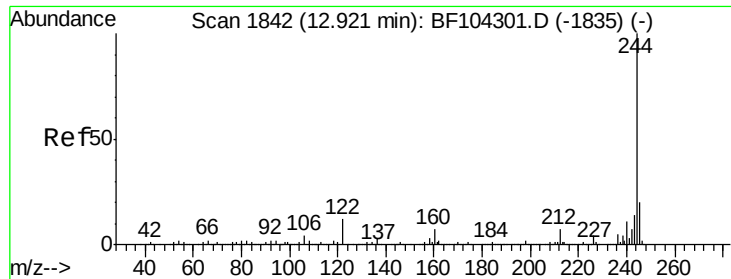
Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Tgt Ion:	202	Resp:	436997
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.9	14.3	21.5





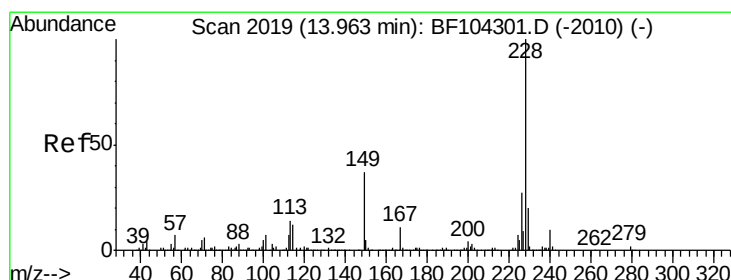
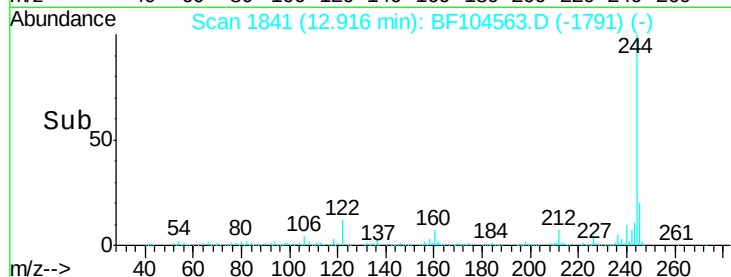
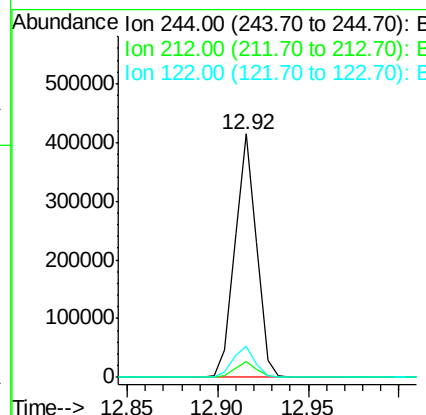
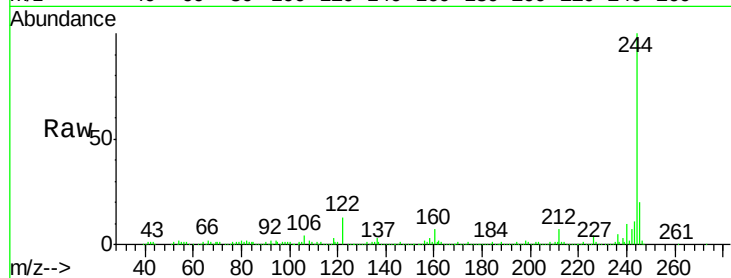
#78
 Terphenyl-d14
 Concen: 23.377 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4

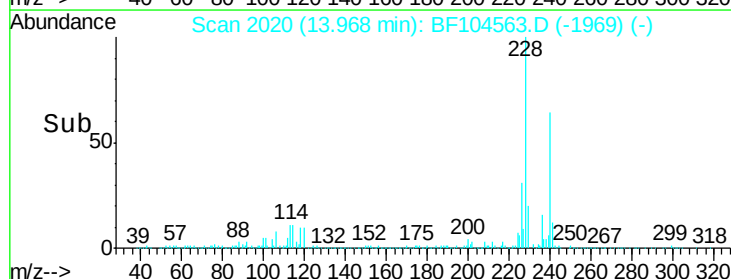
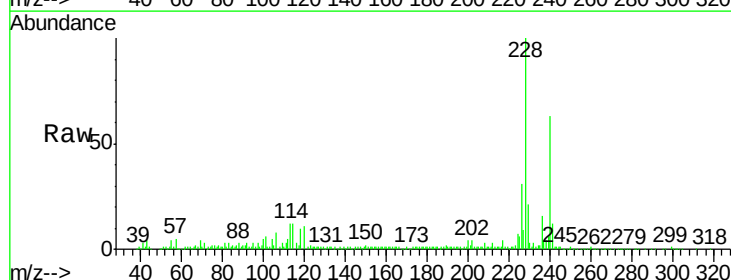
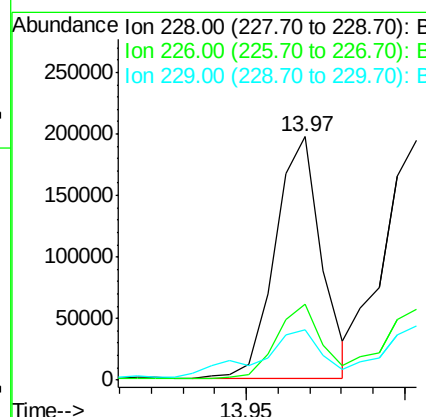
Manual Integrations
 APPROVED

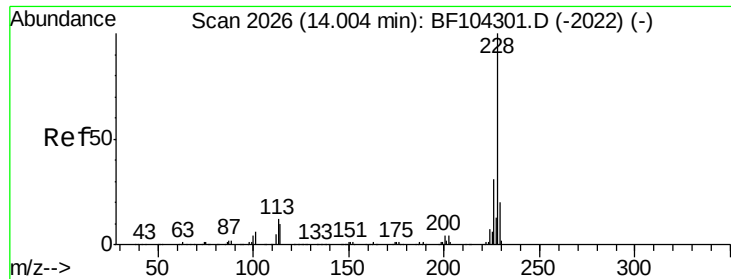
Sohil
 4/18/2018 3:00:29 PM



#80
 Benzo(a)anthracene
 Concen: 9.970 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 9.767 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

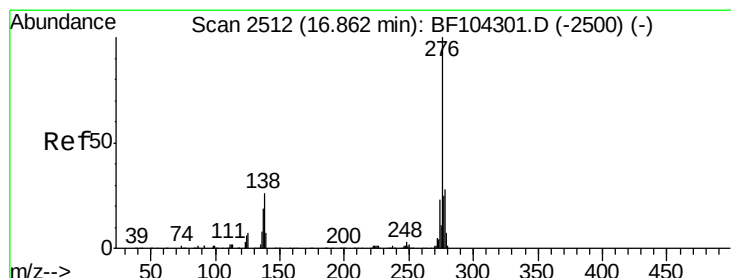
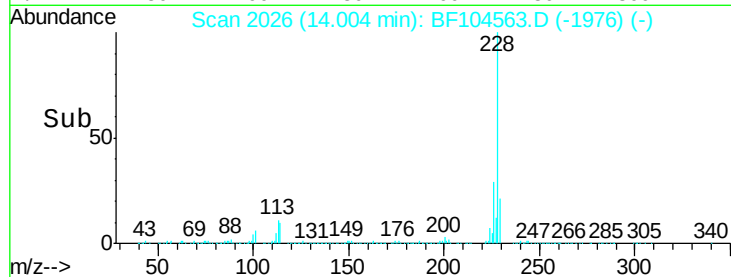
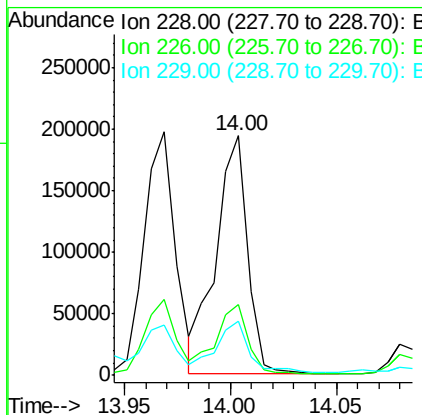
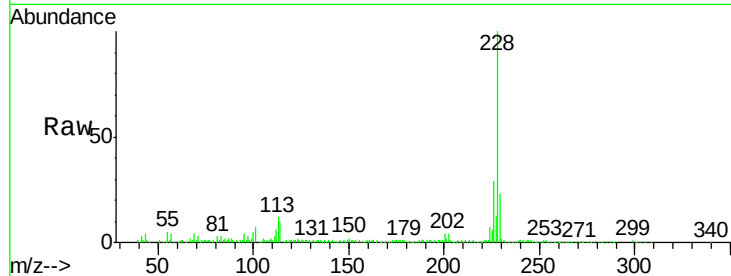
ClientSampleId :

SPOILS-ICTF-A

Tot Ion:	228	Resp:	200728
Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:29 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.117 ng

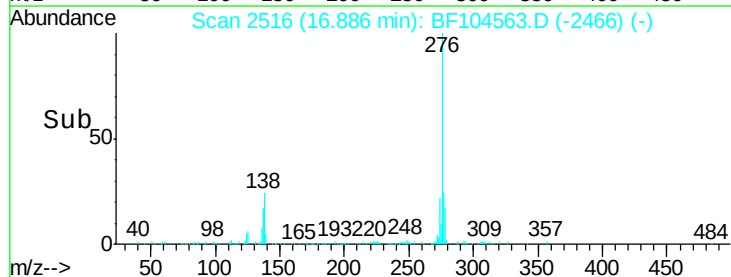
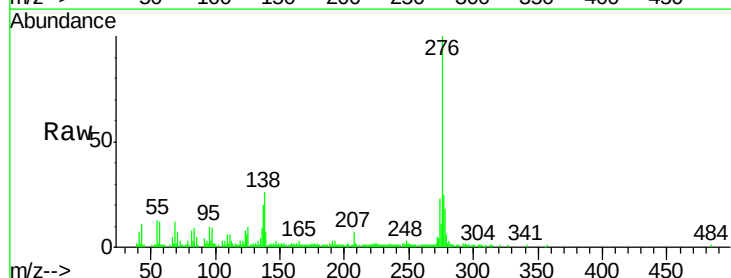
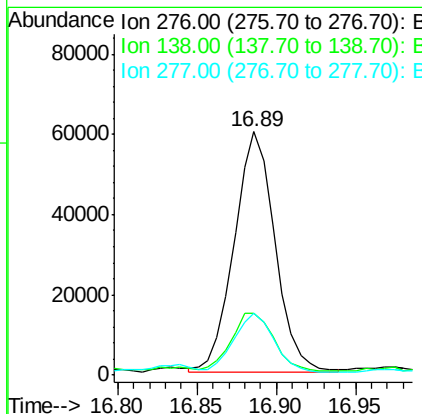
RT: 16.89 min Scan# 2516

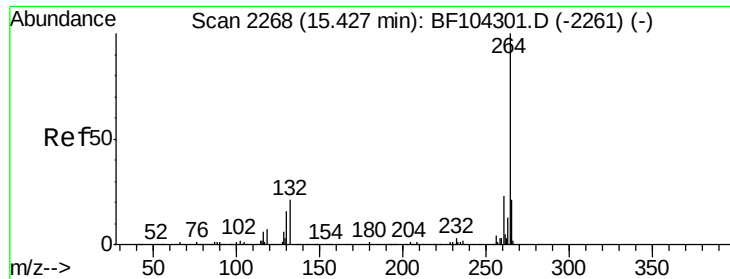
Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Tgt Ion:	276	Resp:	106796
Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	24.2	20.1	30.1





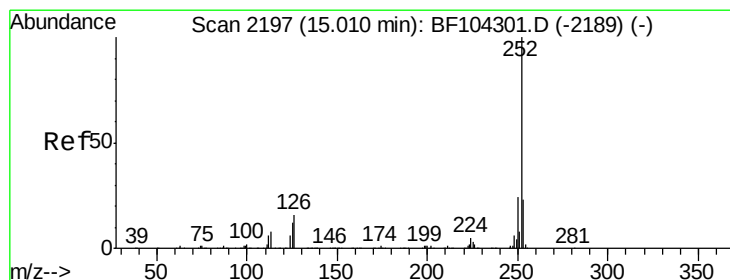
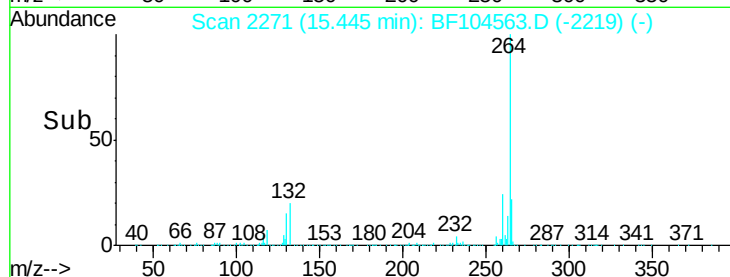
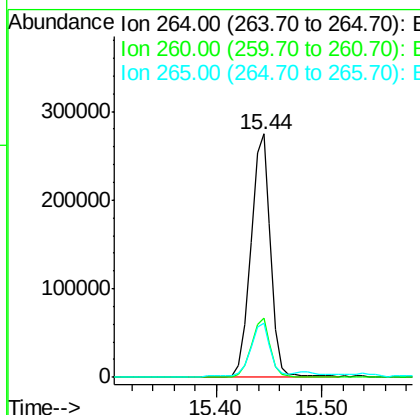
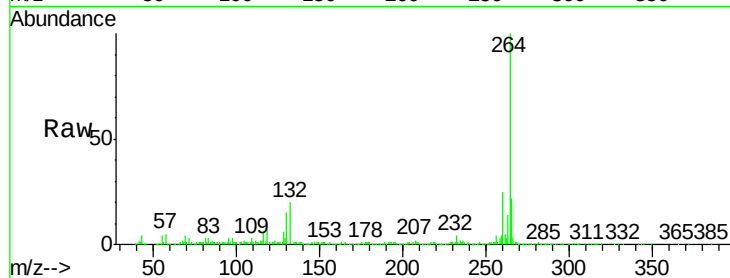
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.1	17.5	26.3

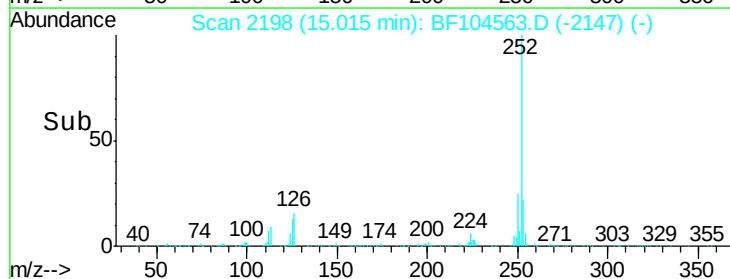
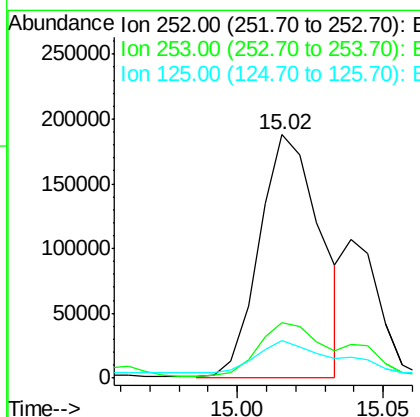
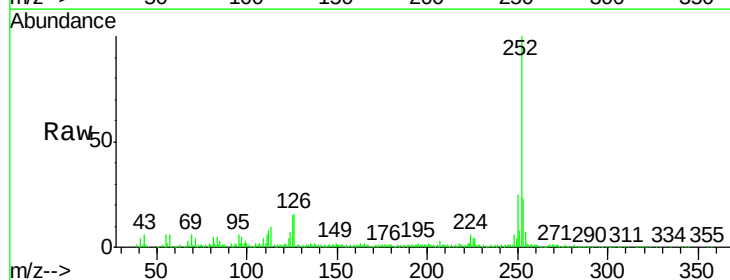
Manual Integrations
APPROVED

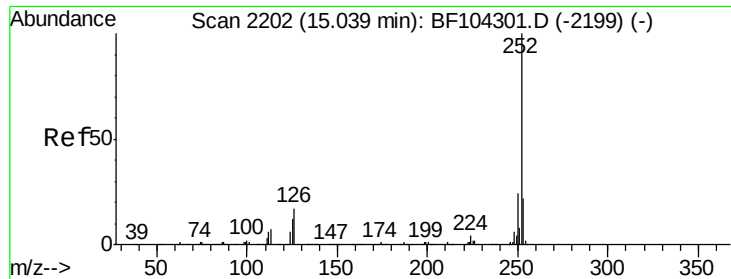
Sohil
4/18/2018 3:00:29 PM



#87
Benzo(b)fluoranthene
Concen: 12.191 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.2	9.0	13.6#





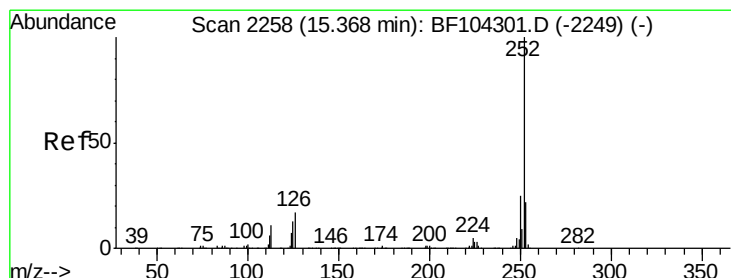
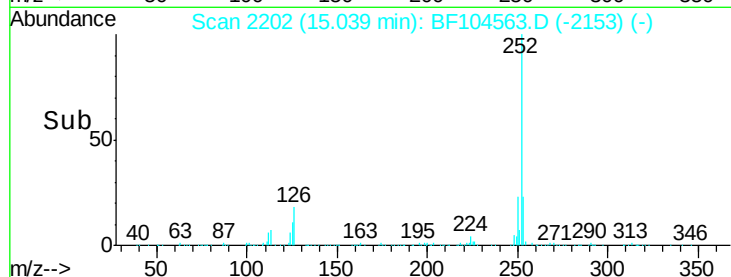
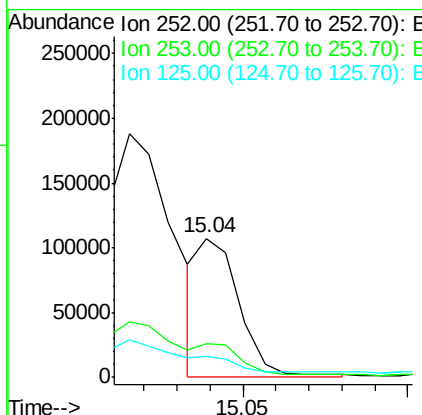
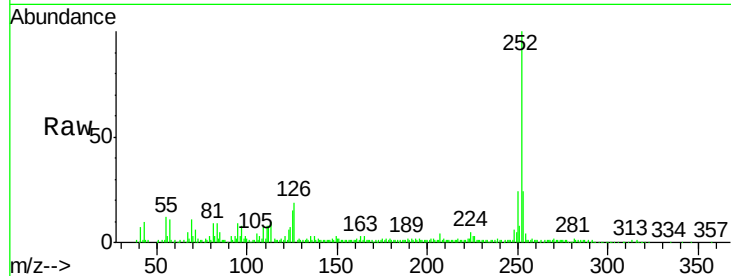
#88
Benzo(k)fluoranthene
Concen: 4.442 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.3	10.2	15.2

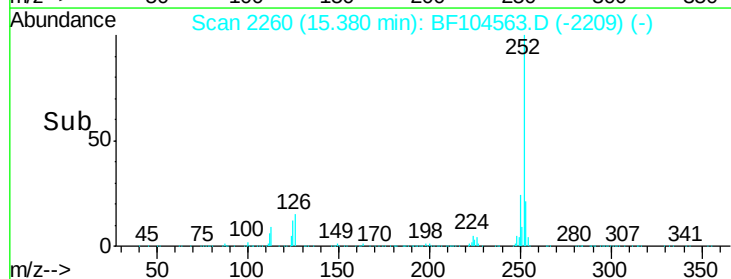
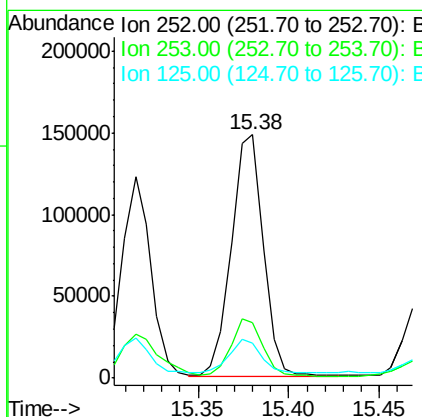
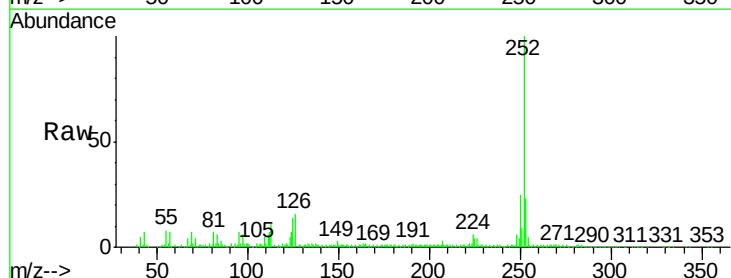
Manual Integrations
APPROVED

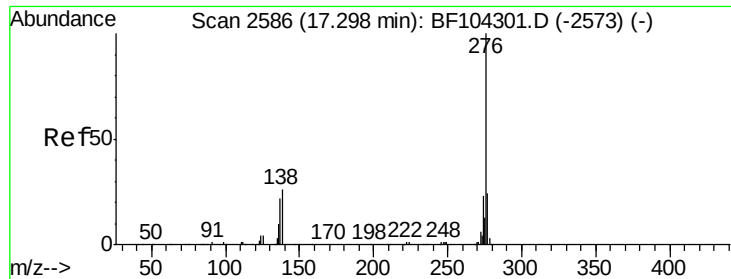
Sohil
4/18/2018 3:00:29 PM



#89
Benzo(a)pyrene
Concen: 9.082 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.244 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Tot Ion:	276	Resp:	99470
Ion Ratio		Lower	Upper
276	100		
277	25.7	17.9	26.9
138	24.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:29 PM

