

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104403.D
 Acq On : 10 Apr 2018 12:49
 Operator : JU/SJ
 Sample : J2270-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-3

Manual Integrations
 APPROVED

Sohil
 4/11/2018 5:16:57 PM

Quant Time: Apr 10 14:53:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	121140	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	467685	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	180752	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	263645	20.00	ng	0.00
75) Chrysene-d12	13.99	240	223591	20.00	ng	0.00
86) Perylene-d12	15.45	264	199802	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	756270	95.46	ng	0.01
7) Phenol-d6	6.44	99	912073	93.70	ng	0.00
23) Nitrobenzene-d5	7.37	82	556367	77.68	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	156683	83.56	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	744700	65.09	ng	0.00
78) Terphenyl-d14	12.93	244	529401	53.98	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.45	94	39549	3.829	ng	92
48) Acenaphthylene	9.70	152	42128	2.239	ng	99
49) Dimethylphthalate	9.56	163	108728	7.628	ng	99
51) Acenaphthene	9.88	154	32171	2.802	ng	99
57) Fluorene	10.39	166	43050	3.696	ng	98
70) Phenanthrene	11.36	178	584955	39.841	ng	98
71) Anthracene	11.41	178	172248	11.541	ng	98
72) Carbazole	11.56	167	62021	4.253	ng	97
74) Fluoranthene	12.56	202	1204673	78.531	ng	99
77) Pyrene	12.79	202	1121827	67.689	ng	100
80) Benzo(a)anthracene	13.98	228	483252	36.178	ng	98
82) Chrysene	14.01	228	598046	43.589	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	1740868	173.342	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.90	276	228128m	19.573	ng	
87) Benzo(b)fluoranthene	15.03	252	688598m	54.568	ng	
88) Benzo(k)fluoranthene	15.05	252	232339m	19.502	ng	
89) Benzo(a)pyrene	15.39	252	444786	39.393	ng	98
90) Dibenzo(a,h)anthracene	16.90	278	58869	6.348	ng	93
91) Benzo(a,h,i)perylene	17.34	276	209448	23.313	ng	97

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

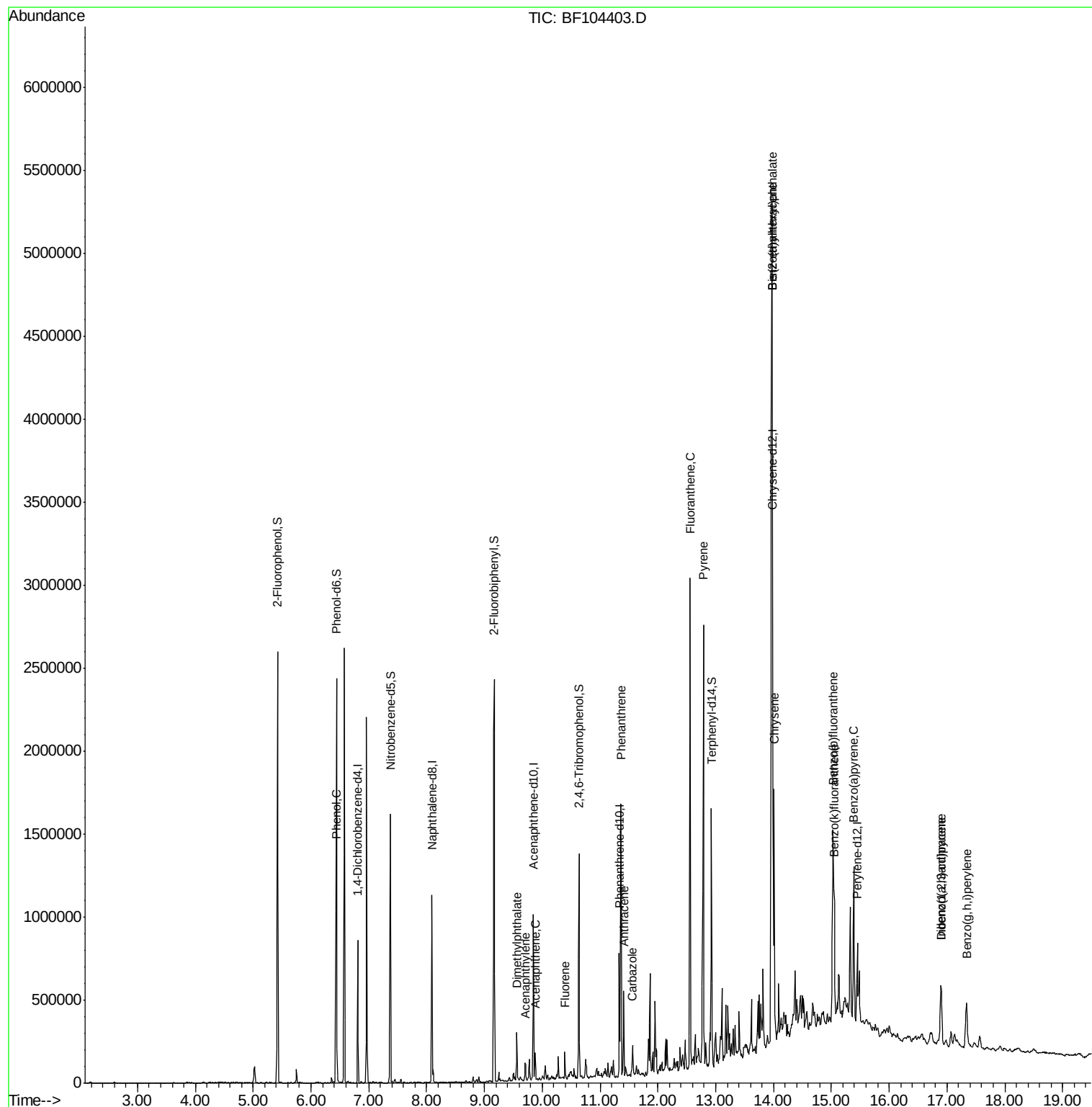
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
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ALS Vial : 10 Sample Multiplier: 1

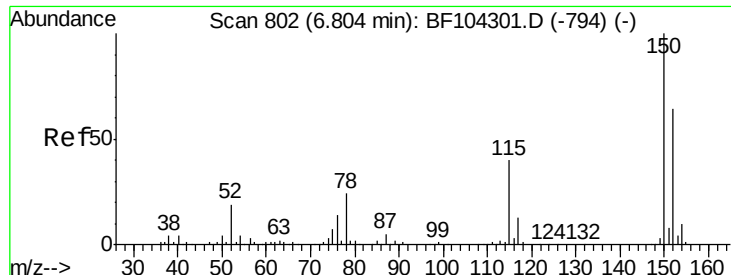
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Manual Integrations
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#1

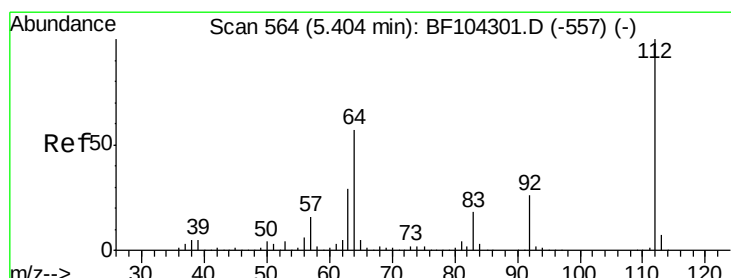
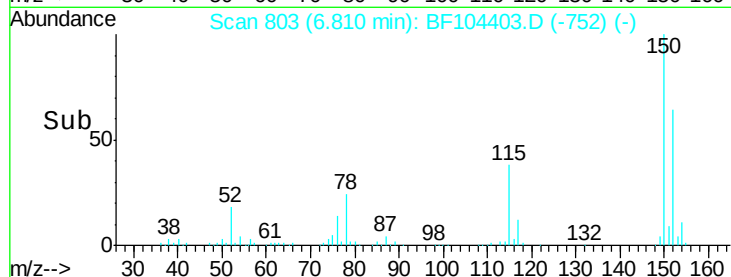
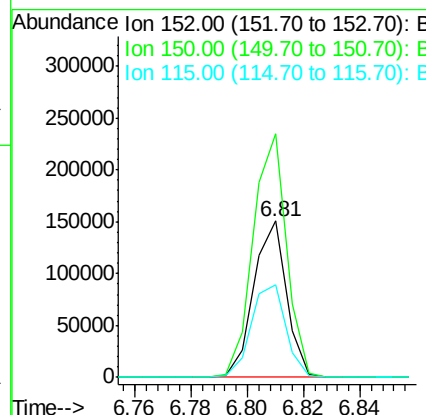
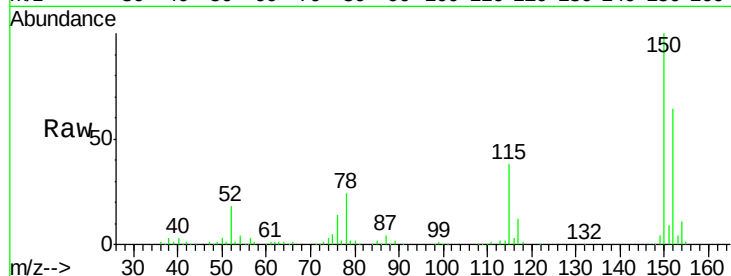
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	59.5	50.1	75.1

Manual Integrations
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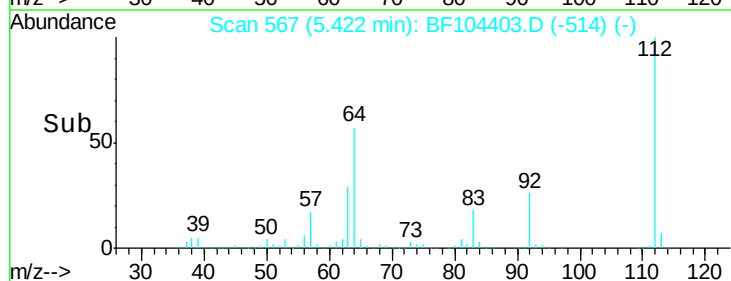
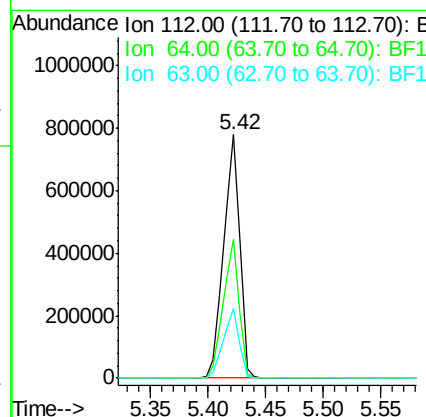
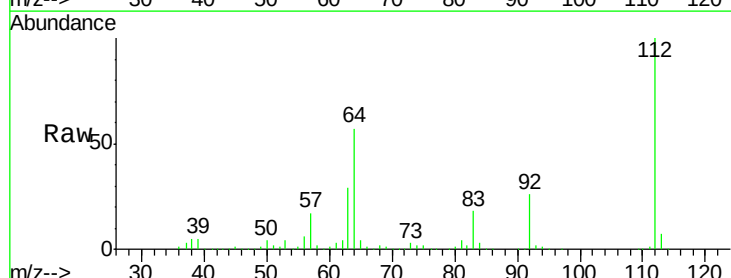
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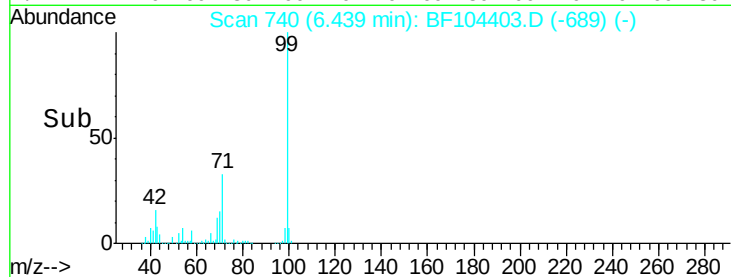
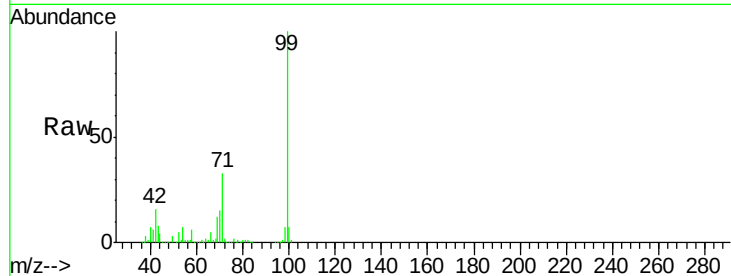
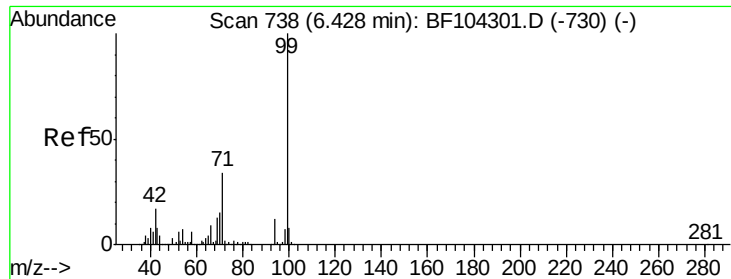


#5

2-Fluorophenol
Concen: 95.458 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 93.698 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Tot Ion:	99	Resp:	912073
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	32.7	25.4	38.0

Instrument :

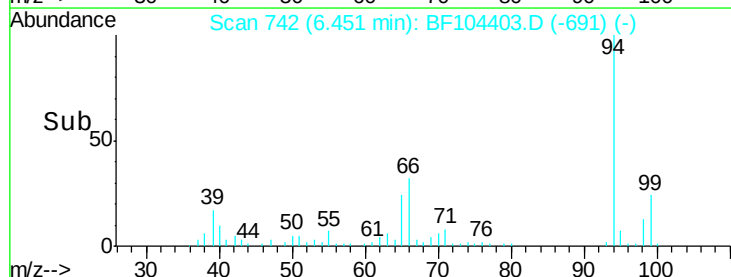
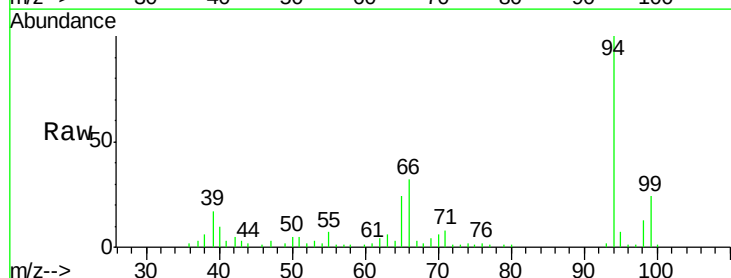
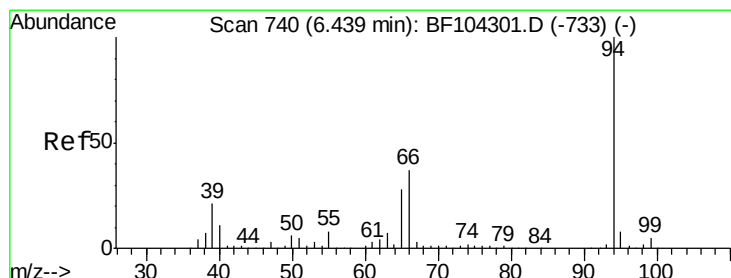
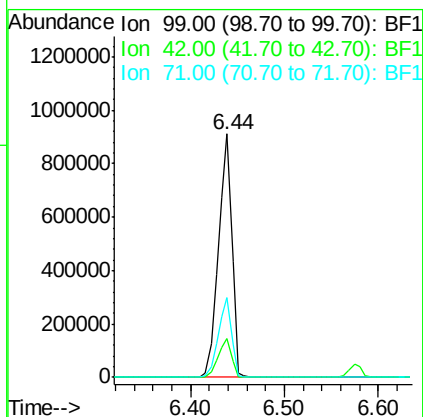
BNA_F

ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

Manual Integrations
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#10

Phenol

Concen: 3.829 ng

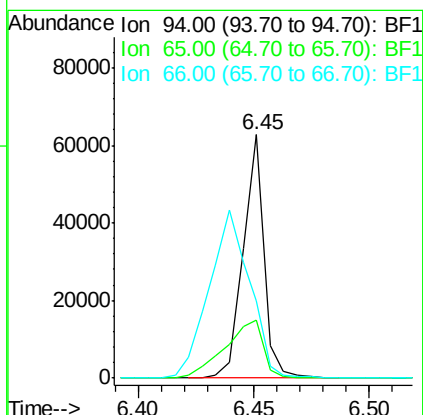
RT: 6.45 min Scan# 742

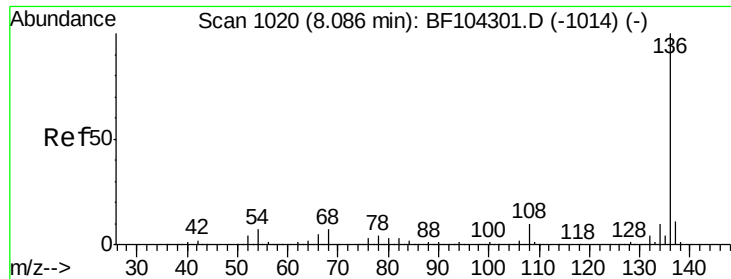
Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Tgt Ion:	94	Resp:	39549
Ion Ratio	Lower	Upper	
94	100		
65	23.9	7.9	47.9
66	31.8	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Instrument :

BNA_F

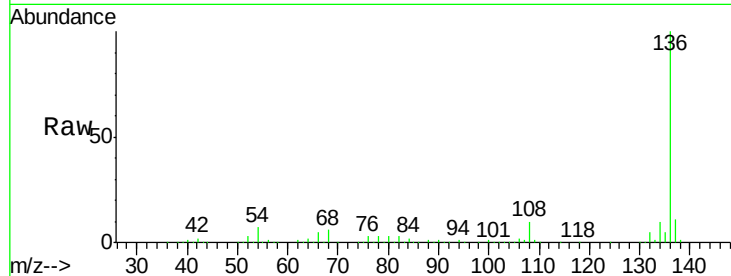
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100	467685		
137	11.3	8.9	13.3	
54	6.6	6.6	9.8	
68	5.8	5.0	7.4	

Manual Integrations
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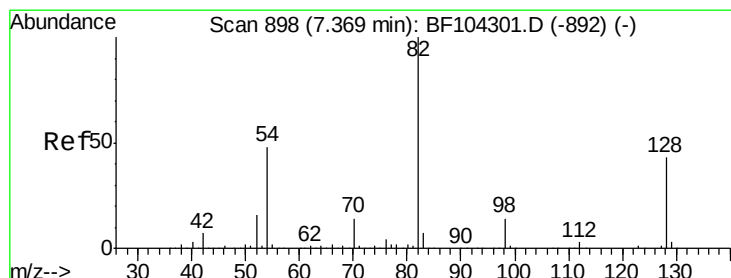
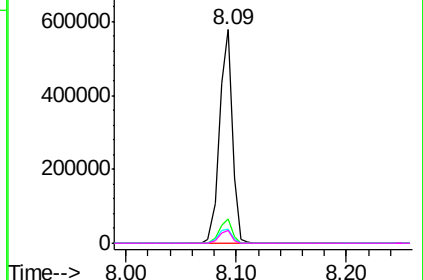
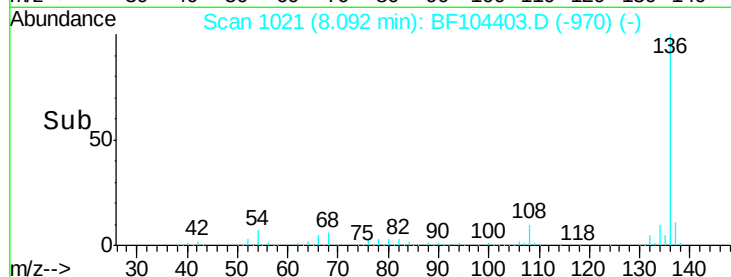


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 77.680 ng

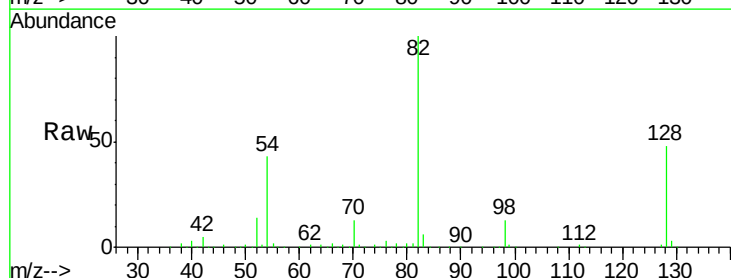
RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

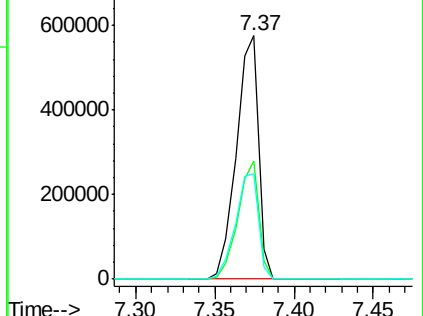
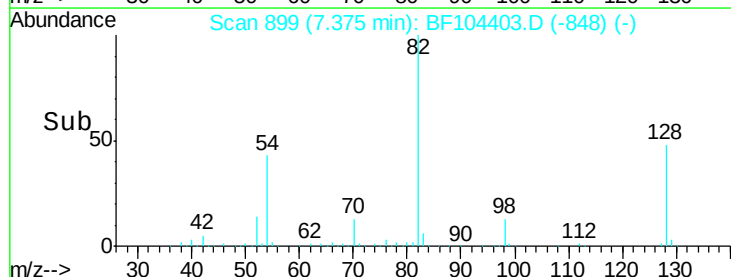
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	556367		
128	48.5	36.1	54.1	
54	43.2	41.4	62.2	

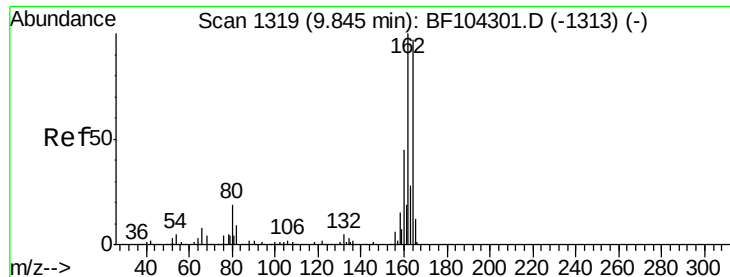


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





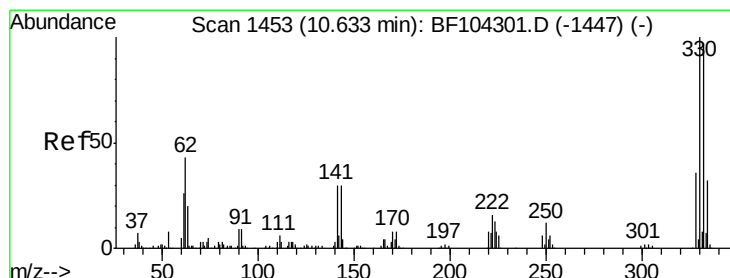
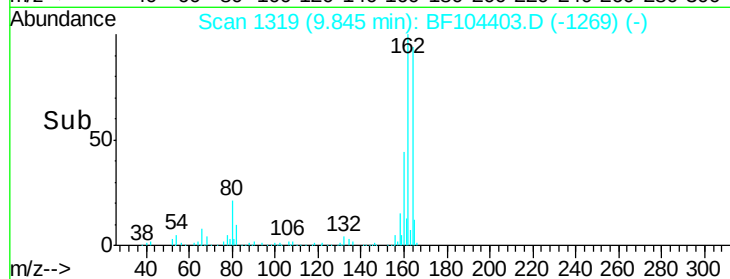
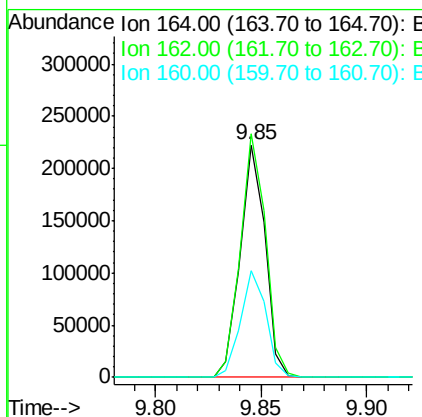
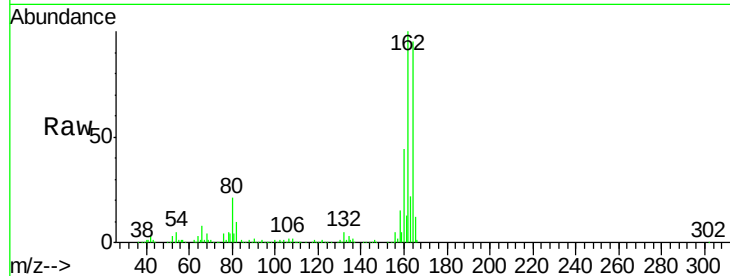
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	86.1	129.1	
160	45.9	38.3	57.5	

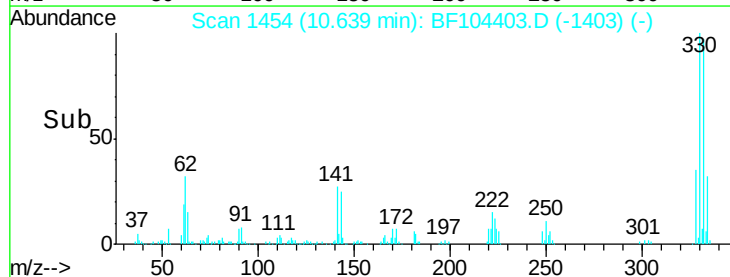
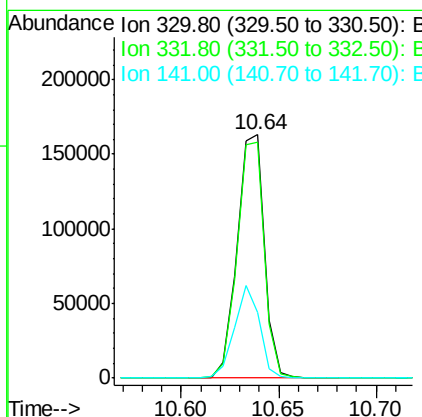
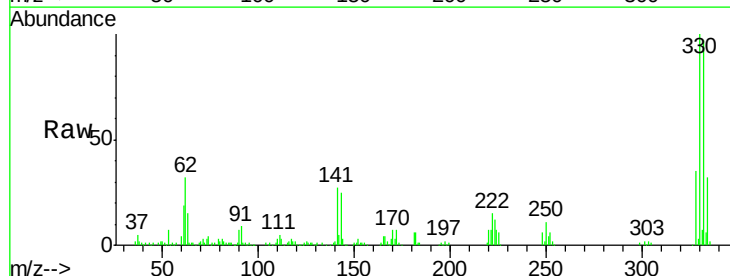
Manual Integrations
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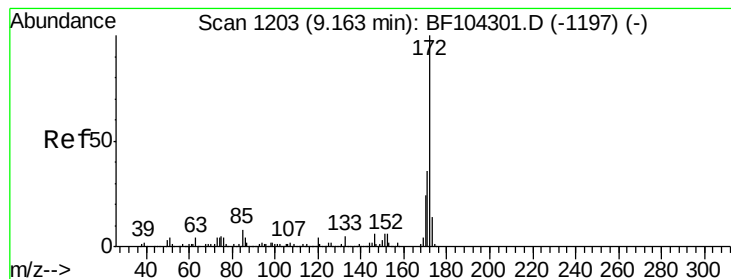
Sohil
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#41
2,4,6-Tribromophenol
Concen: 83.565 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	35.4	29.9	44.9	





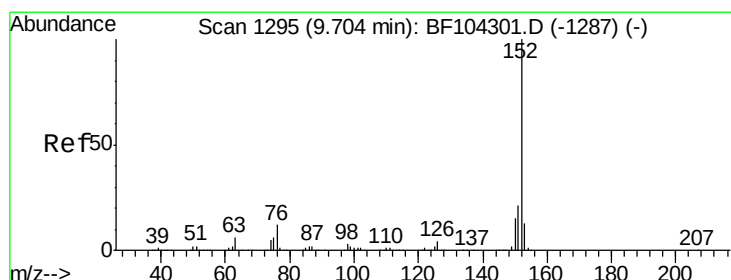
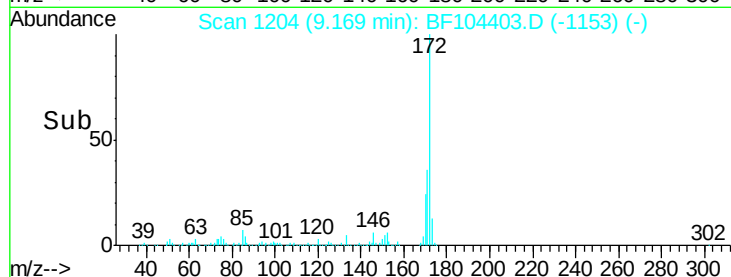
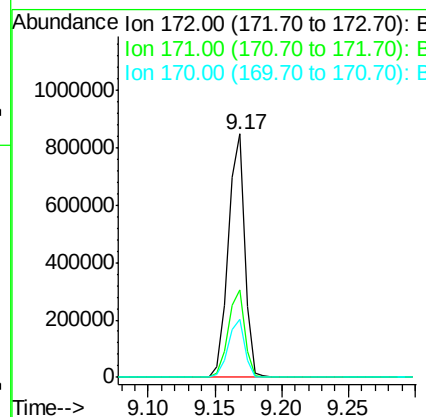
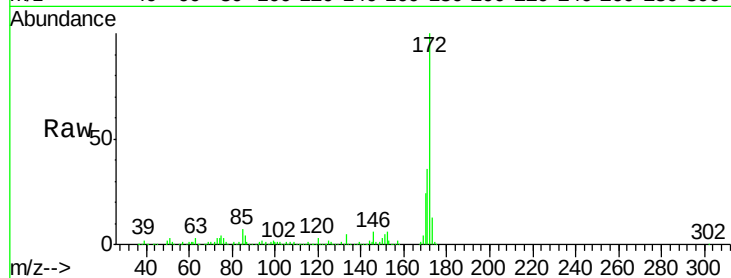
#44
2-Fluorobiphenyl
Concen: 65.086 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4

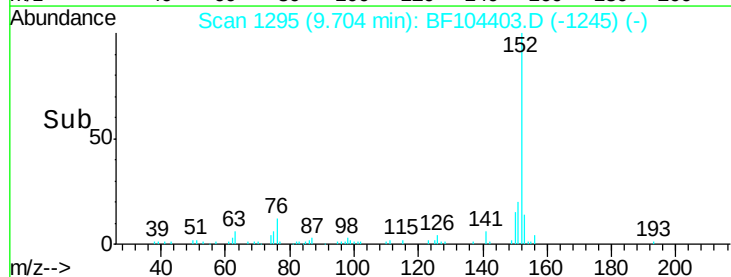
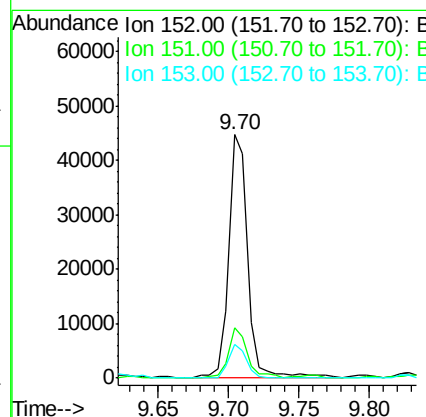
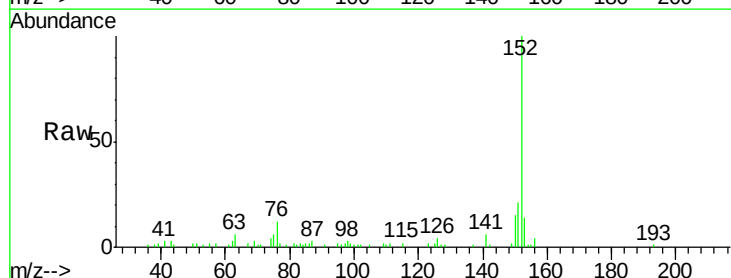
Manual Integrations
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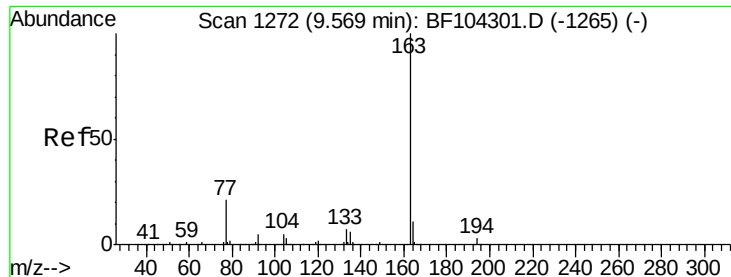
Sohil
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#48
Acenaphthylene
Concen: 2.239 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.1	10.7	16.1





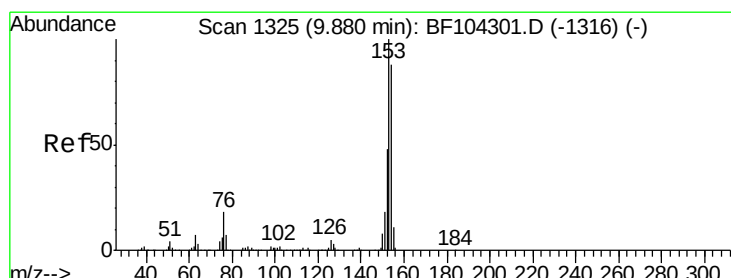
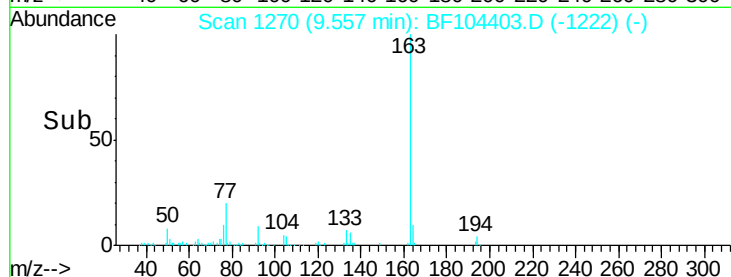
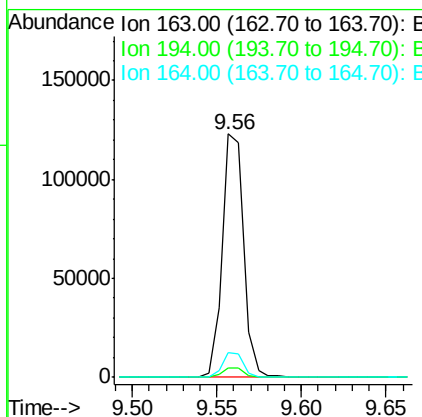
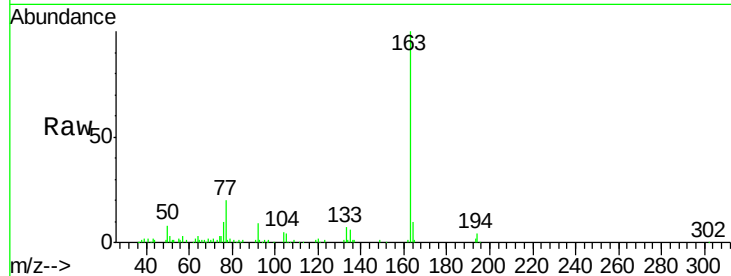
#49
Dimethylphthalate
Concen: 7.628 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion:	163	Resp:	108728
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	10.1	8.2	12.2

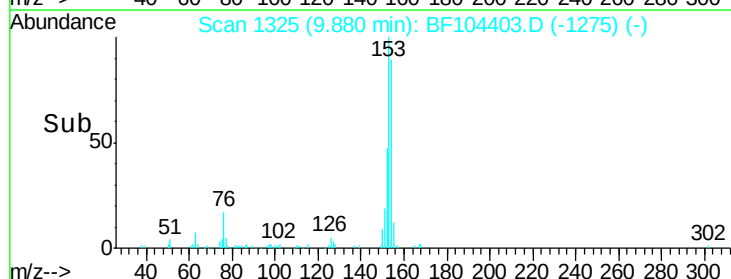
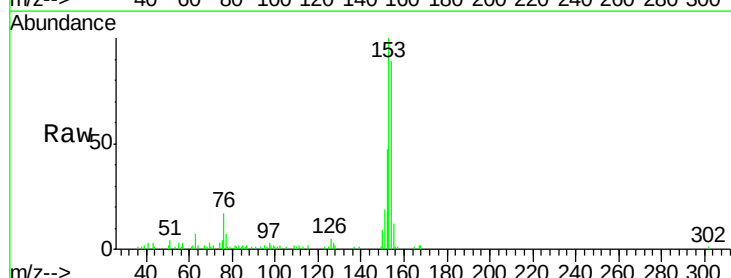
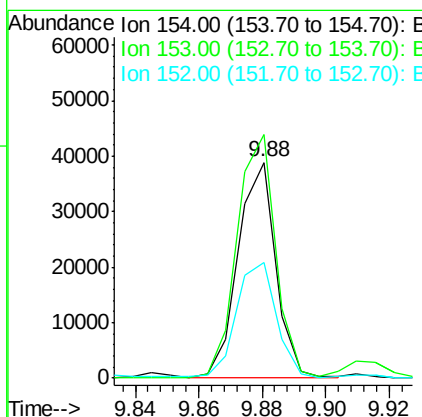
Manual Integrations
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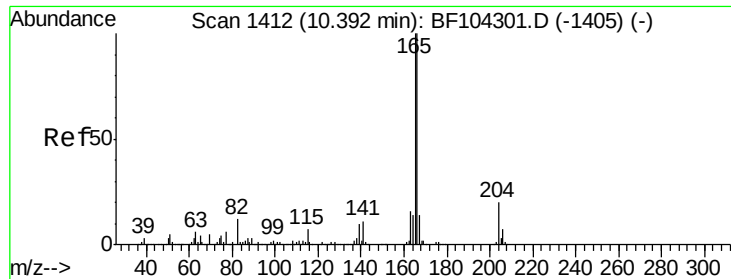
Sohil
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#51
Acenaphthene
Concen: 2.802 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion:	154	Resp:	32171
Ion Ratio	Lower	Upper	
154	100		
153	112.7	91.2	136.8
152	53.4	43.8	65.8





#57

Fluorene

Concen: 3.696 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Instrument :

BNA_F

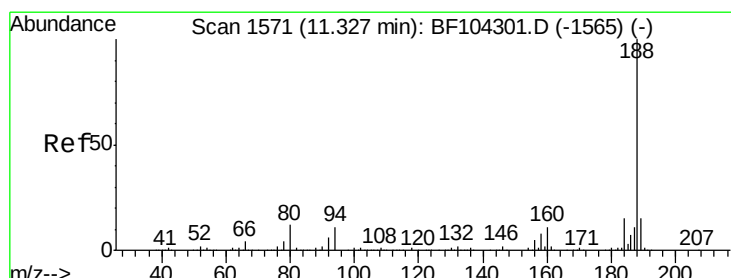
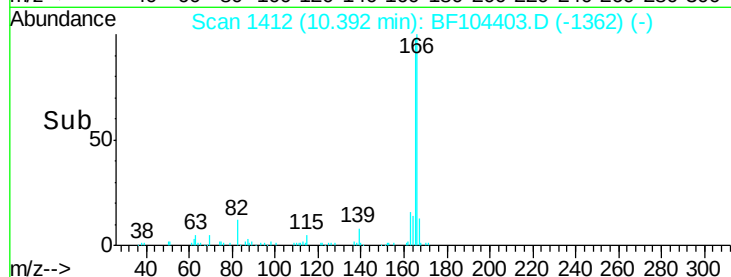
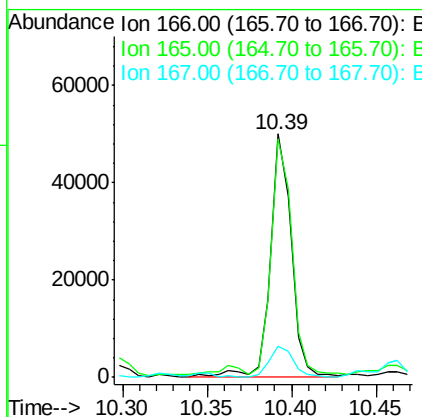
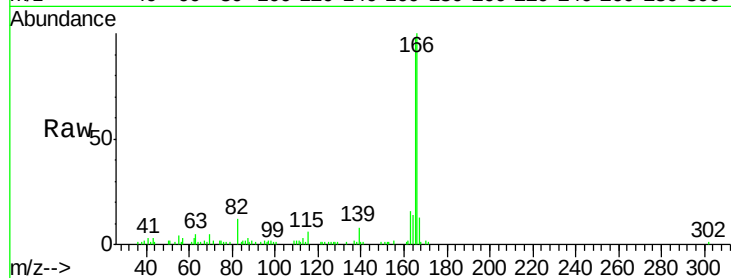
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

Tot Ion:	166	Resp:	43050
Ion Ratio	Lower	Upper	
166	100		
165	97.8	79.8	119.8
167	12.9	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

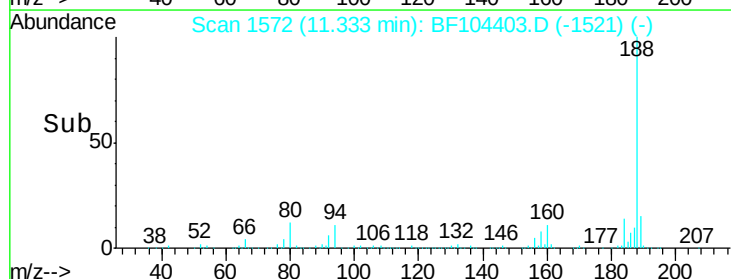
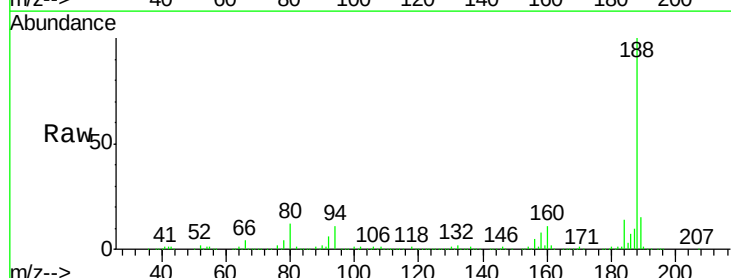
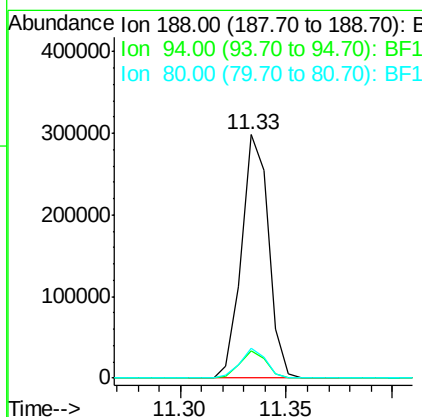
RT: 11.33 min Scan# 1572

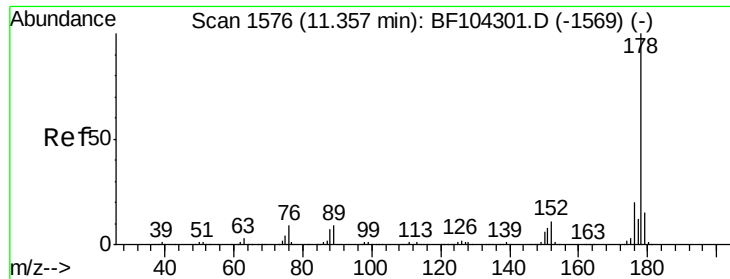
Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Tgt Ion:	188	Resp:	263645
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	12.1	9.2	13.8





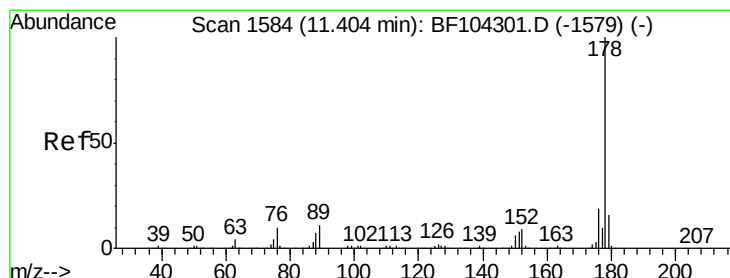
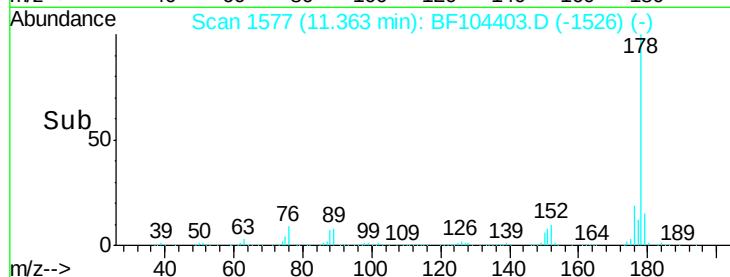
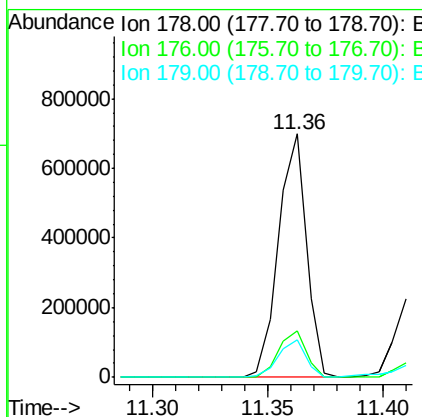
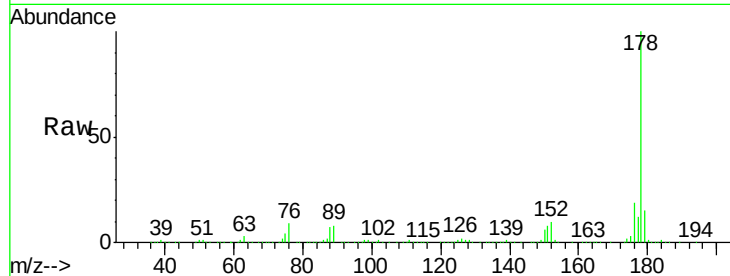
#70
Phenanthrene
Concen: 39.841 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

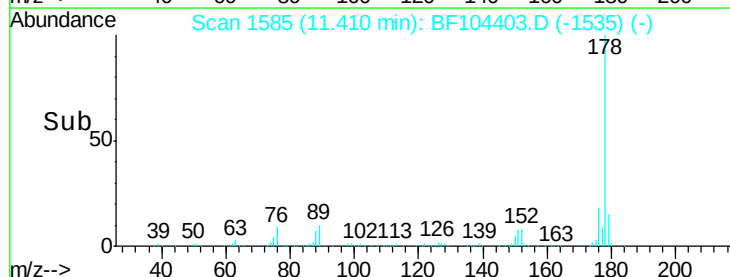
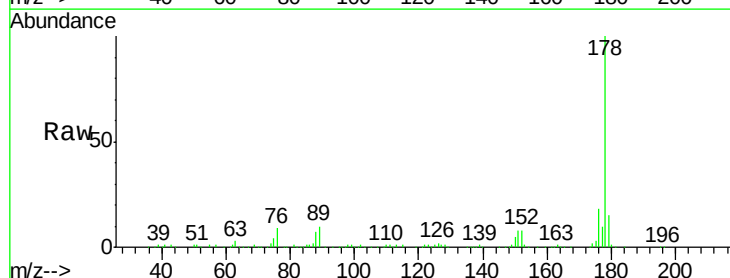
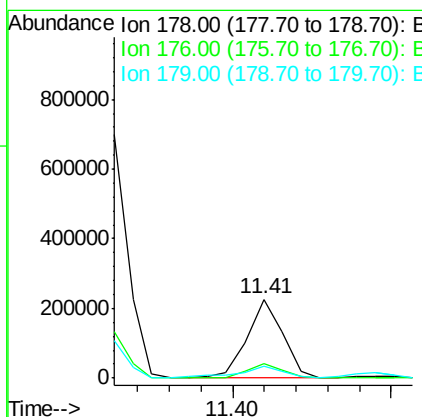
Manual Integrations
APPROVED

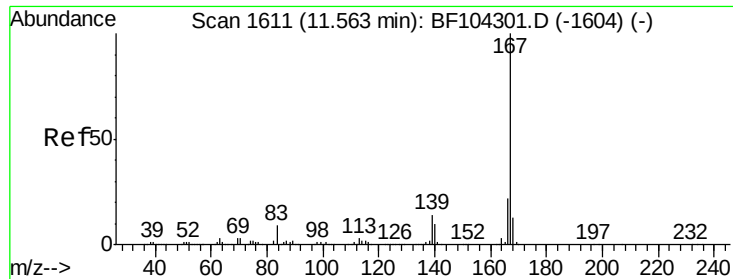
Sohil
4/11/2018 5:16:57 PM



#71
Anthracene
Concen: 11.541 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.6	19.0





#72

Carbazole

Concen: 4.253 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Instrument :

BNA_F

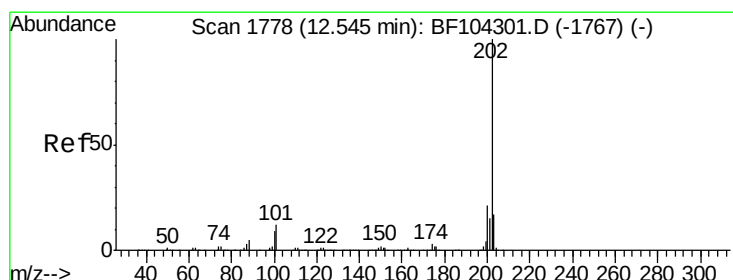
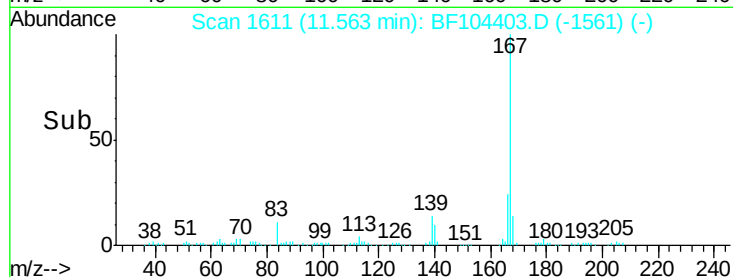
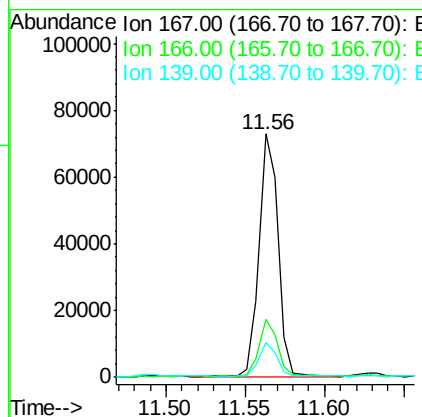
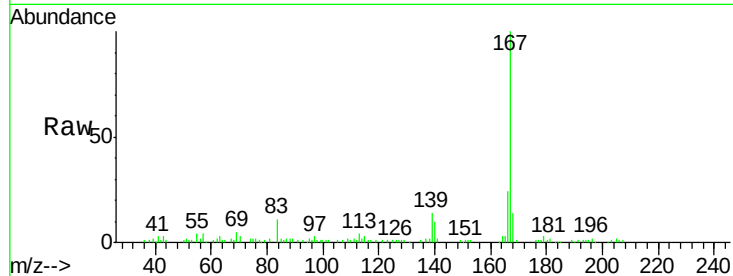
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

Tot Ion:	167	Resp:	62021
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.6	26.4
139	14.1	10.9	16.3

Manual Integrations
APPROVED

Sohil
4/11/2018 5:16:57 PM



#74

Fluoranthene

Concen: 78.531 ng

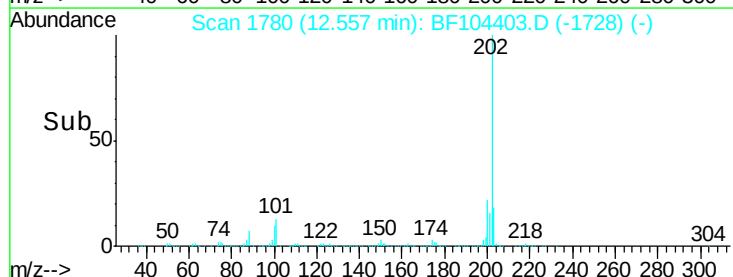
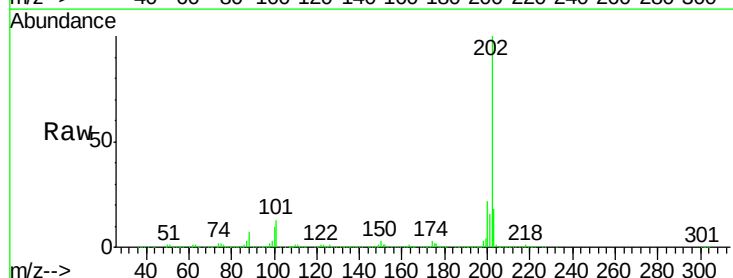
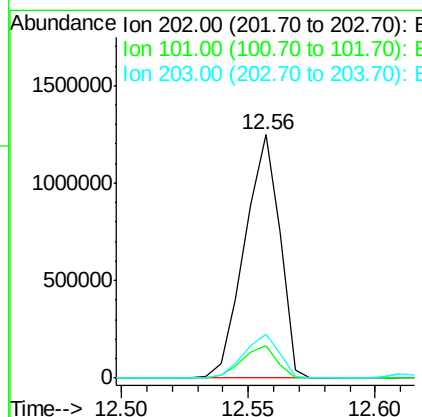
RT: 12.56 min Scan# 1780

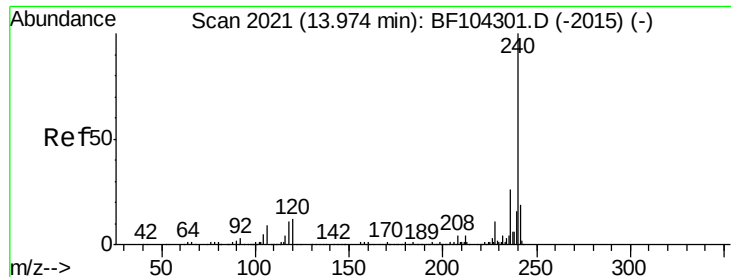
Delta R.T. 0.01 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Tgt Ion:	202	Resp:	1204673
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Instrument :

BNA_F

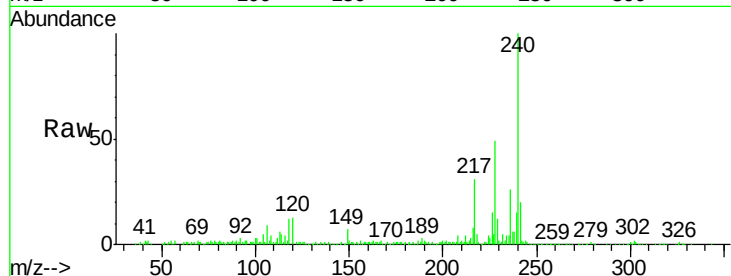
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

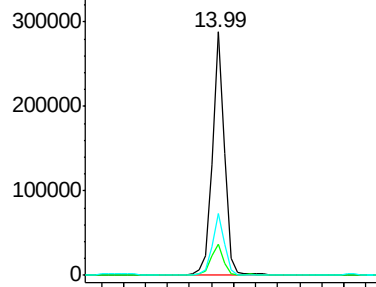
Tot Ion:	240	Resp:	223591
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
APPROVED

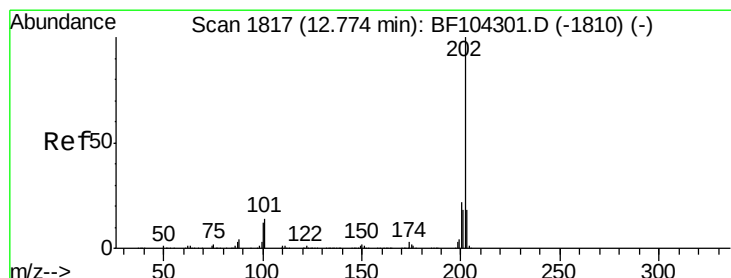
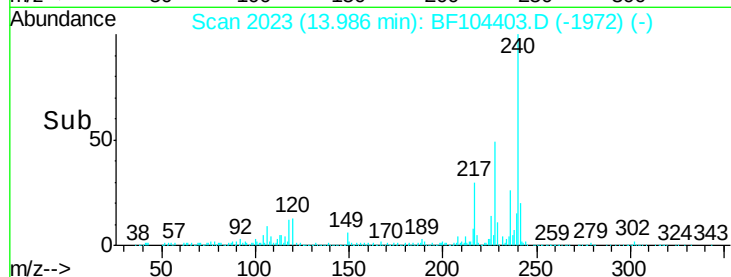
Sohil
4/11/2018 5:16:57 PM



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



Time-->



#77

Pyrene

Concen: 67.689 ng

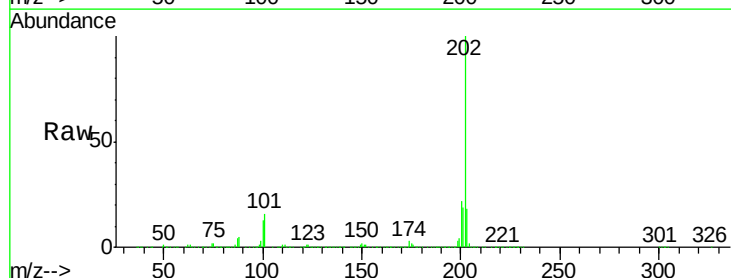
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

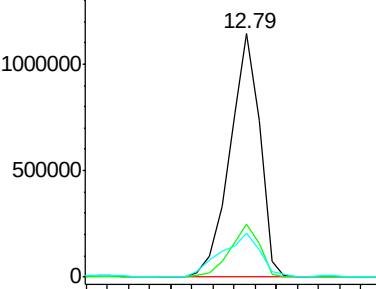
Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

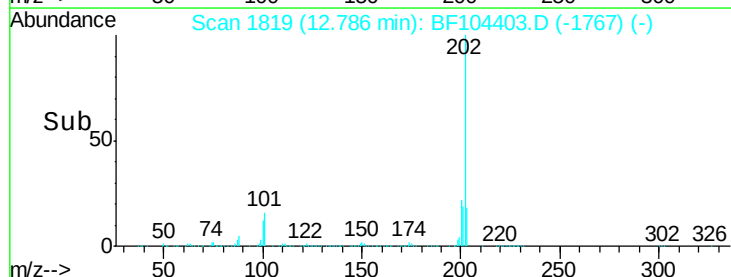
Tgt Ion:	202	Resp:	1121827
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5

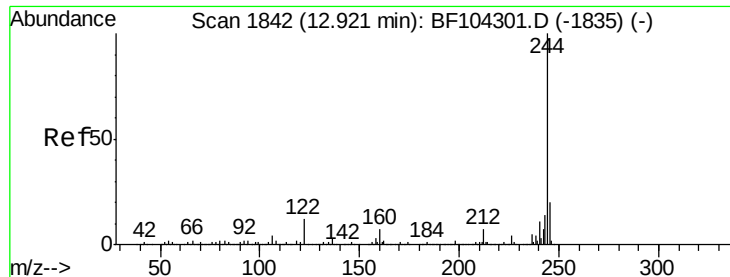


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 53.980 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Instrument :

BNA_F

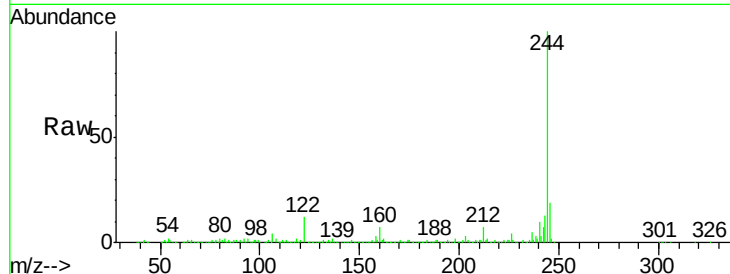
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

Tot Ion:	244	Resp:	529401
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	11.6	11.0	16.4

Manual Integrations
APPROVED

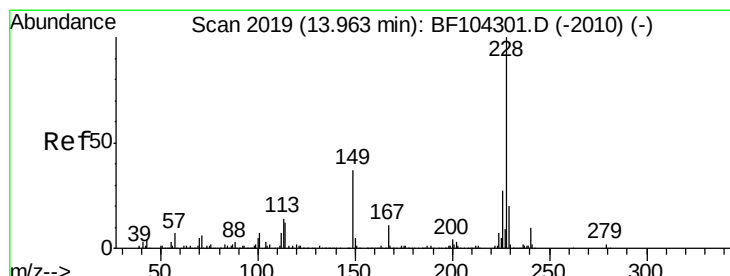
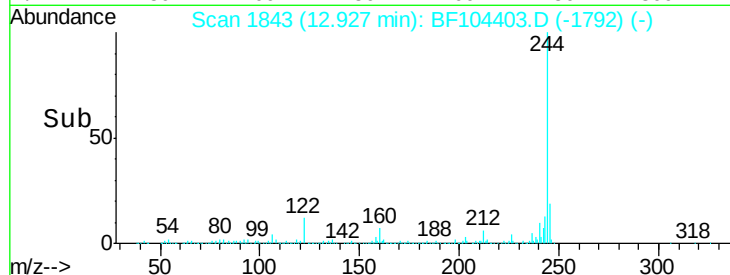
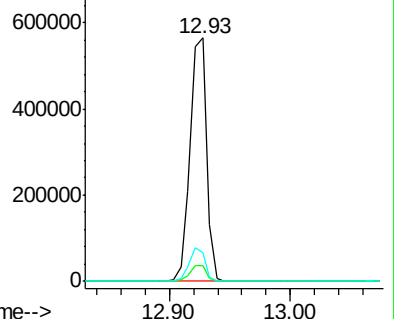
Sohil
4/11/2018 5:16:57 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 36.178 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF104403.D

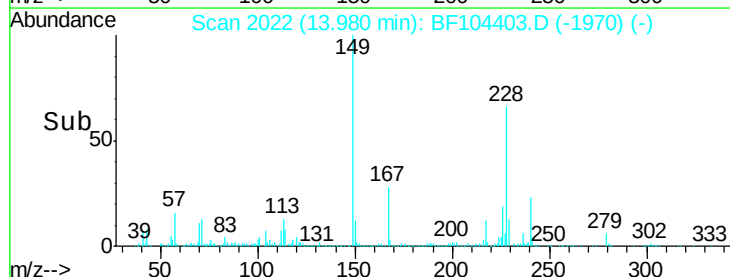
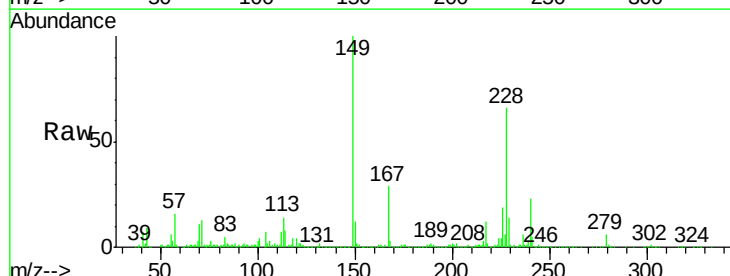
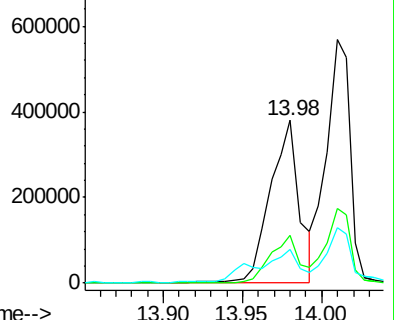
Acq: 10 Apr 2018 12:49

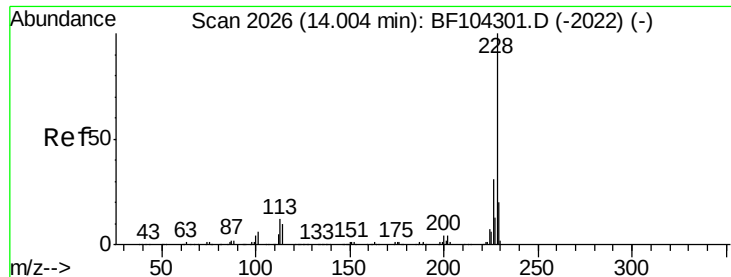
Tgt Ion:	228	Resp:	483252
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.6	33.8
229	20.6	15.8	23.6

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





#82

Chrysene

Concen: 43.589 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF104403.D

Acq: 10 Apr 2018 12:49

Instrument :

BNA_F

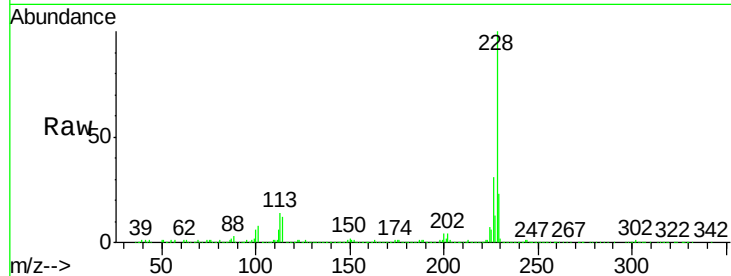
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3

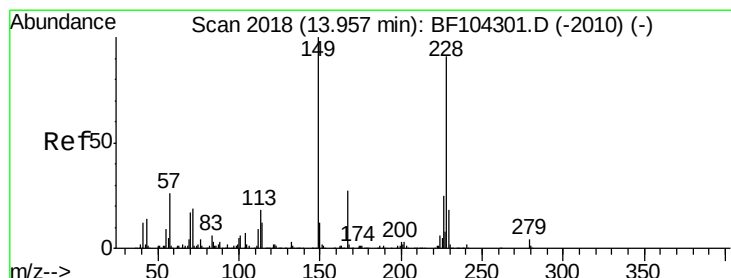
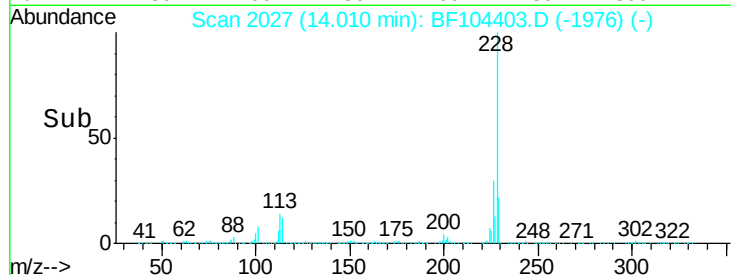
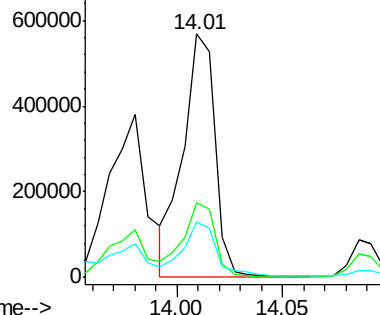
Tot Ion:	228	Resp:	598046
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.9	16.2	24.4

Manual Integrations
APPROVED

Sohil
4/11/2018 5:16:57 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 173.342 ng

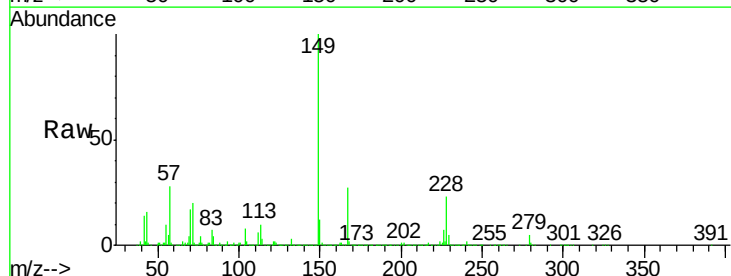
RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

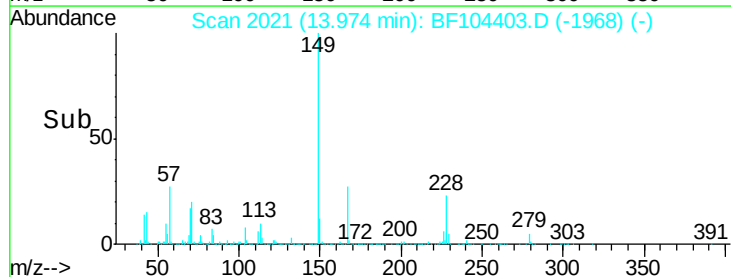
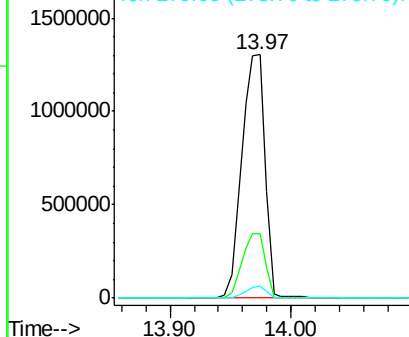
Lab File: BF104403.D

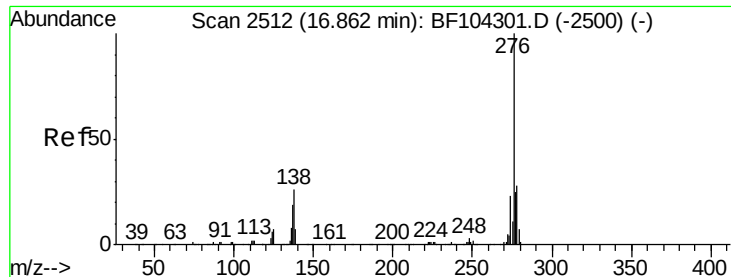
Acq: 10 Apr 2018 12:49

Tgt Ion:	149	Resp:	1740868
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.3	31.9
279	4.8	3.0	4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





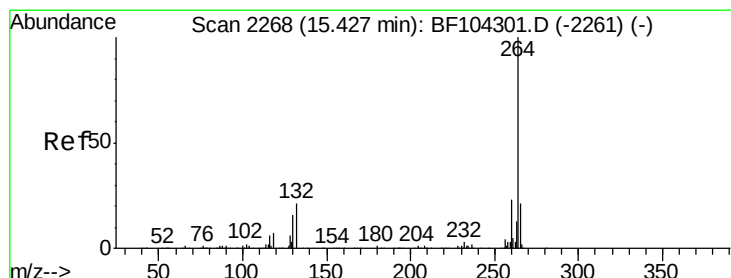
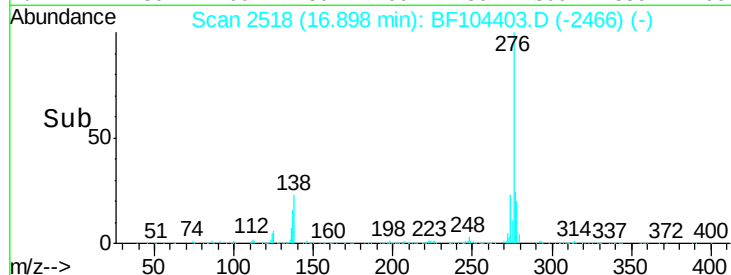
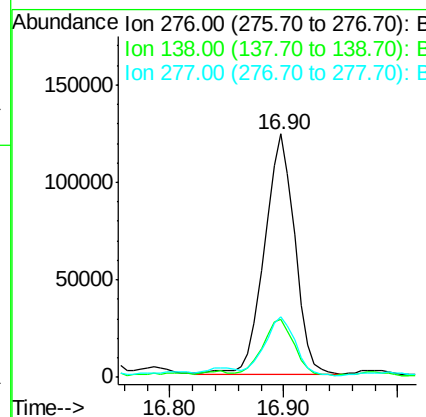
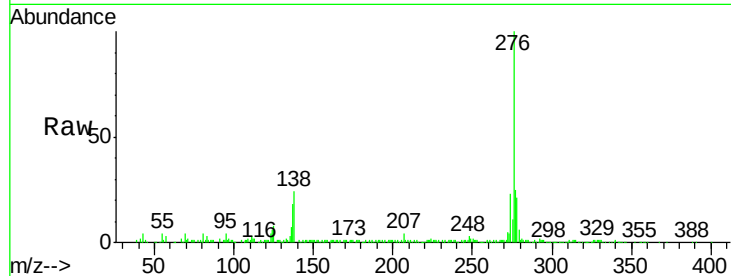
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.573 ng/ml
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF104403.D
 Acq: 10 Apr 2018 12:49

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.2	25.0	37.6#
277	5.0	20.1	30.1#

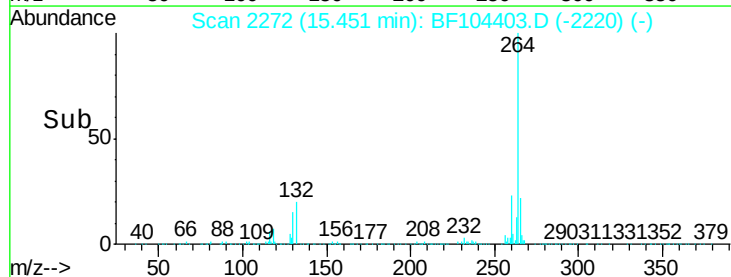
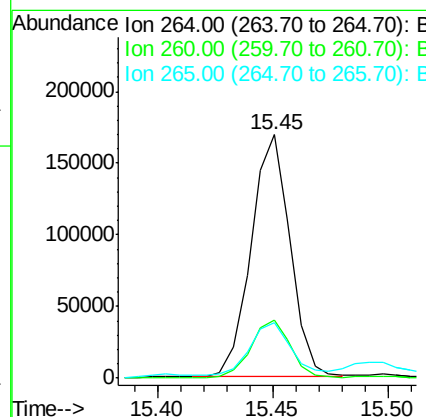
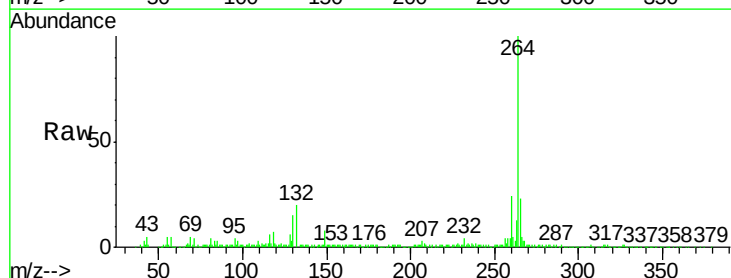
Manual Integrations
 APPROVED

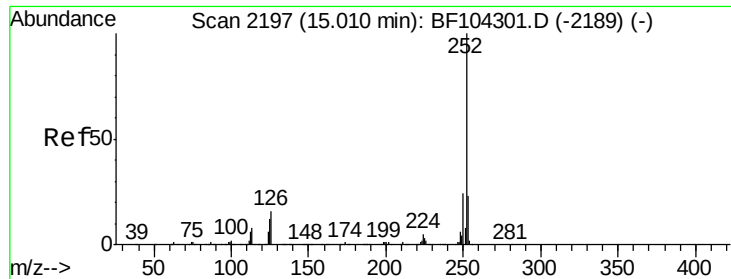
Sohil
 4/11/2018 5:16:57 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF104403.D
 Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.8	17.5	26.3





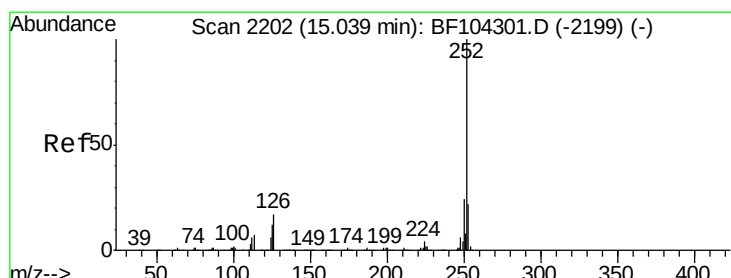
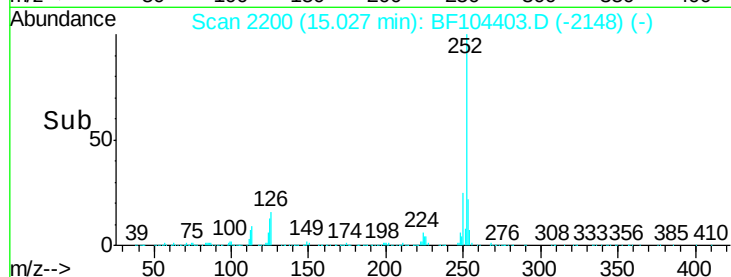
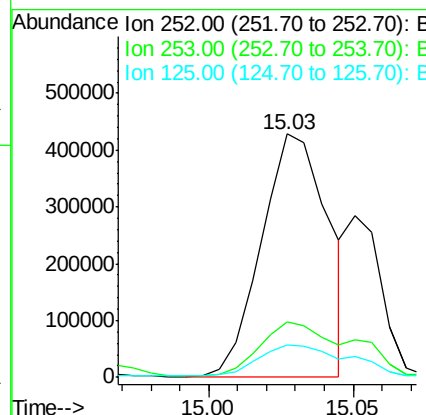
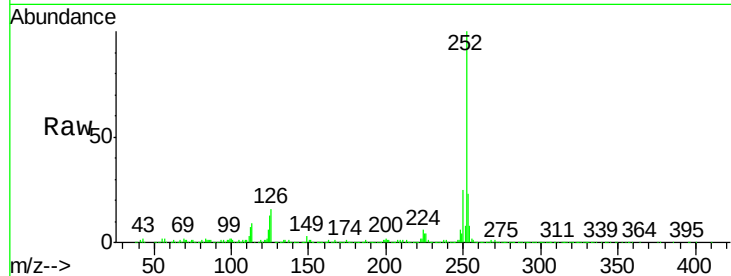
#87
Benzo(b)fluoranthene
Concen: 54.568 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.3	9.0	13.6

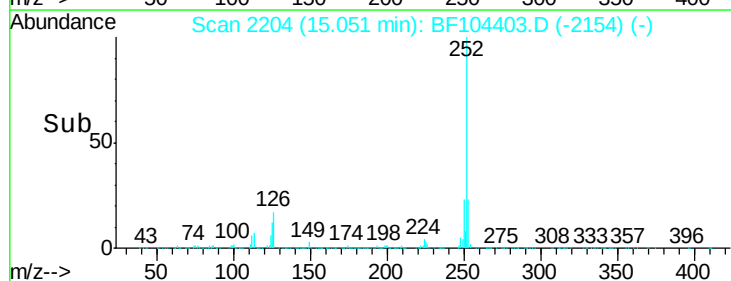
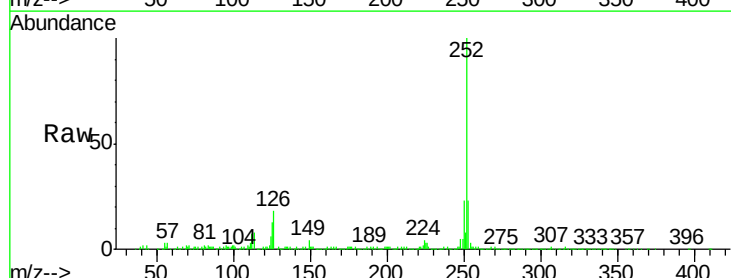
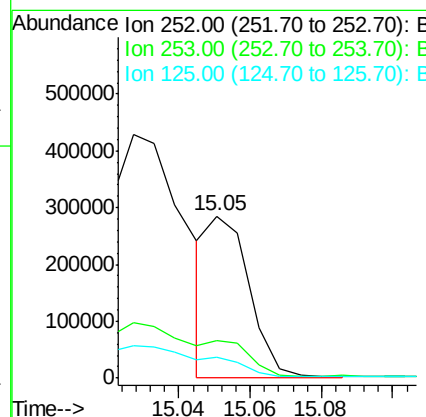
Manual Integrations
APPROVED

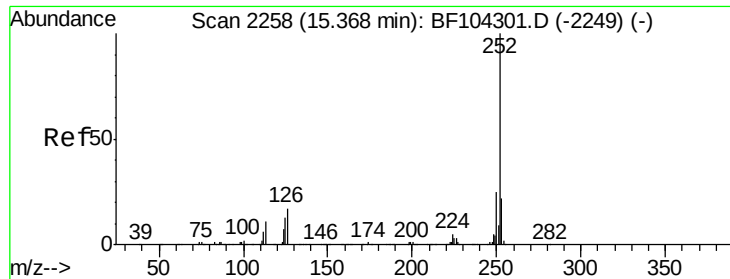
Sohil
4/11/2018 5:16:57 PM



#88
Benzo(k)fluoranthene
Concen: 19.502 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.7	10.2	15.2





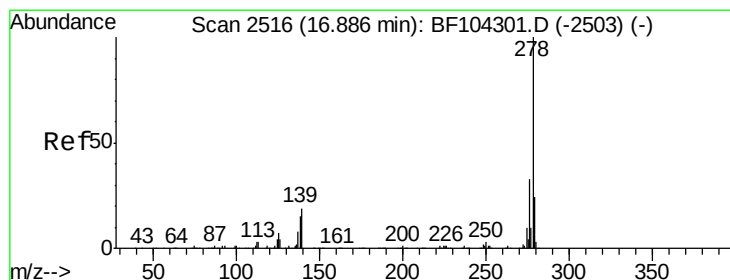
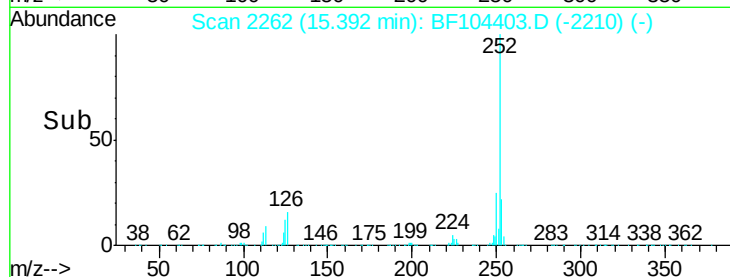
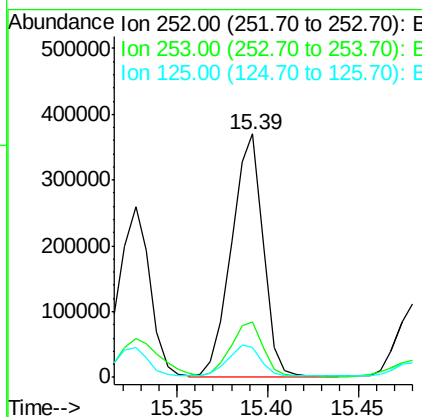
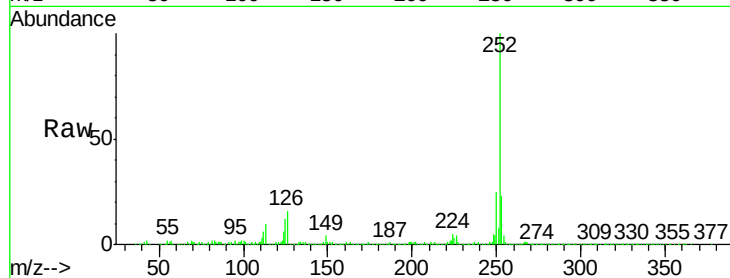
#89
Benzo(a)pyrene
Concen: 39.393 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.3	9.8	14.6

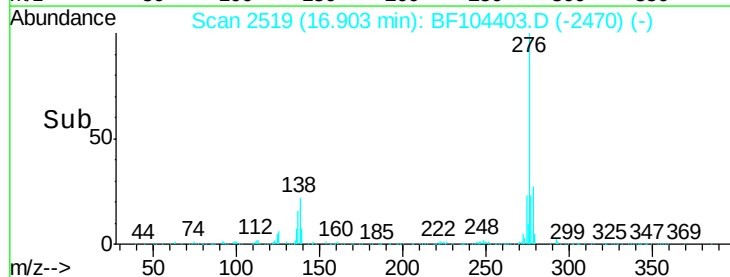
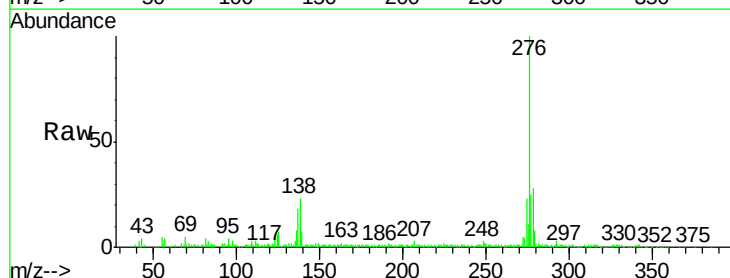
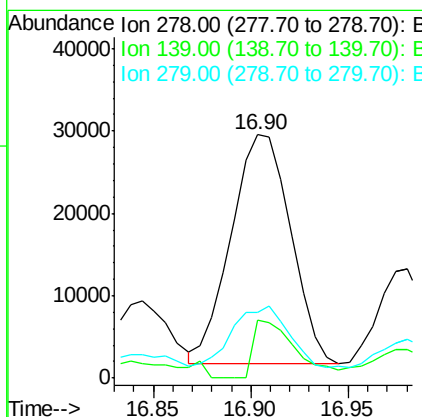
Manual Integrations
APPROVED

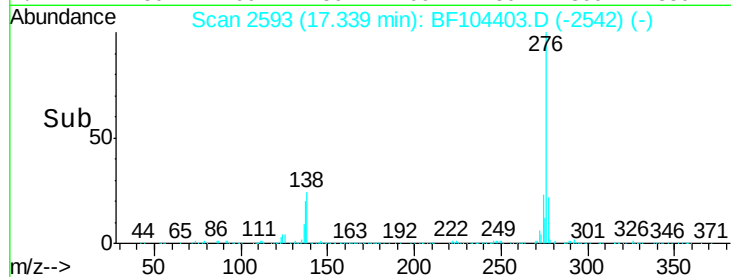
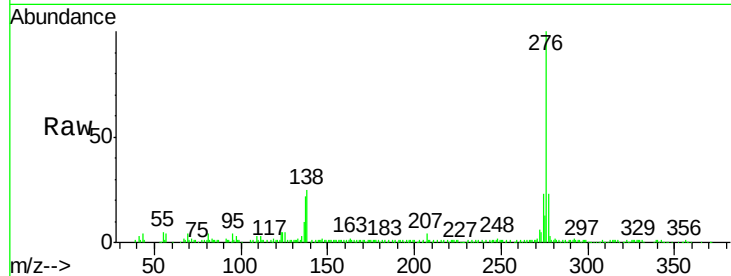
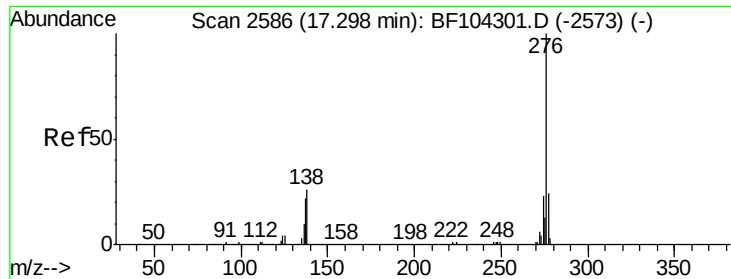
Sohil
4/11/2018 5:16:57 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.348 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104403.D
Acq: 10 Apr 2018 12:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	15.9	23.9
279	27.0	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 23.313 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. 0.00 min
 Lab File: BF104403.D
 Acq: 10 Apr 2018 12:49

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	24.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/11/2018 5:16:57 PM

