

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104401.D
 Acq On : 10 Apr 2018 11:56
 Operator : JU/SJ
 Sample : J2270-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-1

Manual Integrations
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Sohil
 4/11/2018 5:16:52 PM

Quant Time: Apr 10 14:47:26 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	6.80	152	134984	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	533310	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	221144	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	328388	20.00	ng	0.00
75) Chrysene-d12	13.99	240	246653	20.00	ng	0.00
86) Perylene-d12	15.46	264	224869	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	894264	101.30	ng	0.01
7) Phenol-d6	6.44	99	1088294	100.33	ng	0.00
23) Nitrobenzene-d5	7.37	82	679757	83.23	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	206419	89.98	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	952576	68.05	ng	0.00
78) Terphenyl-d14	12.93	244	665194	61.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.11	128	116666	4.393	ng	99
37) 2-Methylnaphthalene	8.80	142	58159	3.386	ng	98
48) Acenaphthylene	9.70	152	99444	4.319	ng	97
49) Dimethylphthalate	9.56	163	146562	8.404	ng	100
51) Acenaphthene	9.87	154	105250	7.493	ng	99
54) Dibenzofuran	10.05	168	74278	3.794	ng	98
57) Fluorene	10.39	166	144634	10.151	ng	99
70) Phenanthrene	11.37	178	1378337	75.370	ng	99
71) Anthracene	11.41	178	401920	21.621	ng	99
72) Carbazole	11.56	167	136433	7.511	ng	99
74) Fluoranthene	12.56	202	2019524	105.695	ng	98
77) Pylene	12.79	202	1951061	106.716	ng	99
80) Benzo(a)anthracene	13.98	228	1254382	85.128	ng	96
82) Chrysene	14.02	228	1026592	67.827	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	38434	3.469	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	425031m	33.058	ng	
87) Benzo(b)fluoranthene	15.04	252	1200529m	84.530	ng	
88) Benzo(k)fluoranthene	15.06	252	492885m	36.760	ng	
89) Benzo(a)pyrene	15.40	252	829003	65.237	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	114465	10.968	ng	95
91) Benzo(g,h,i)perylene	17.36	276	391380	38.707	ng	96

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

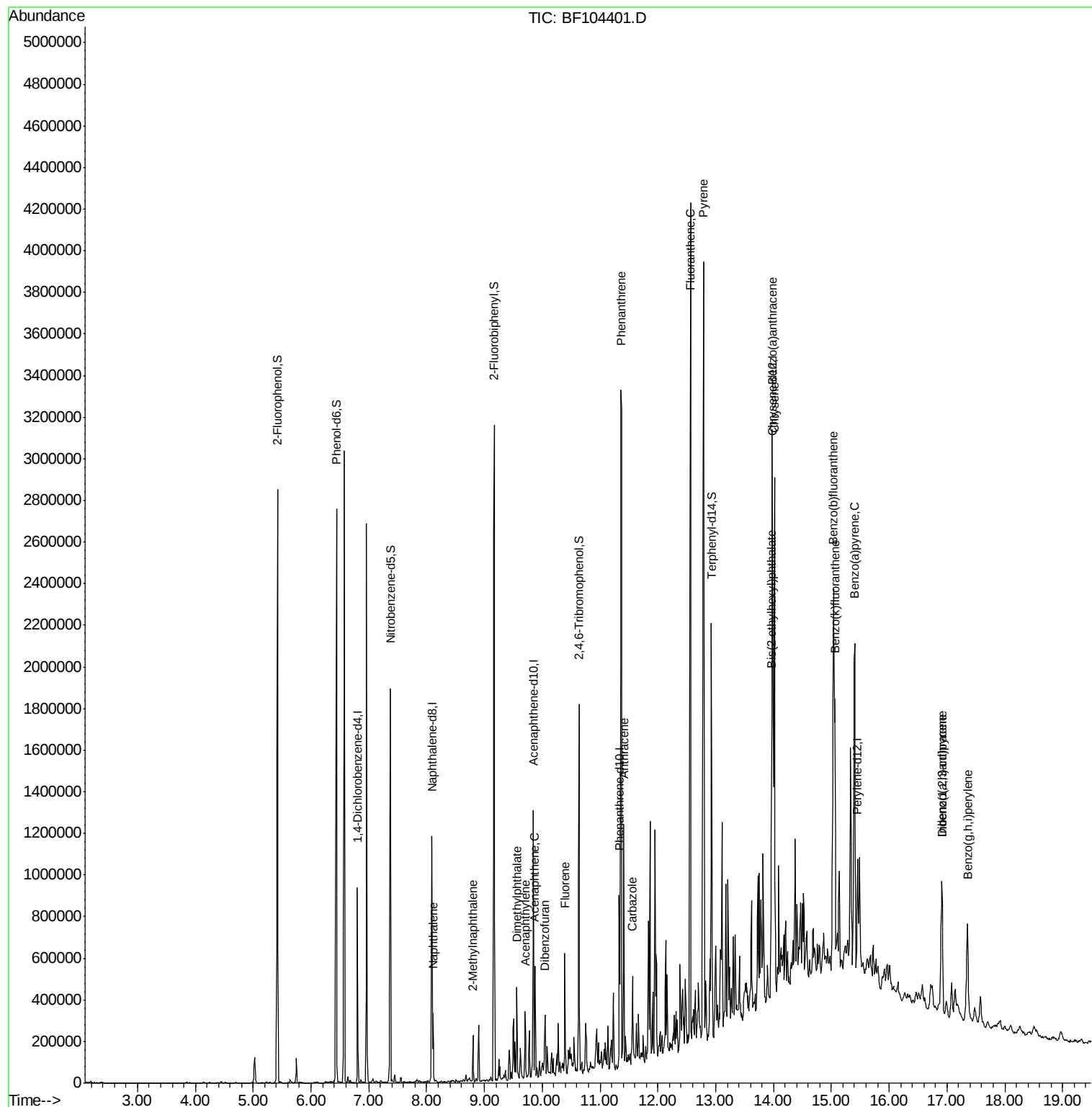
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104401.D
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Sample : J2270-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

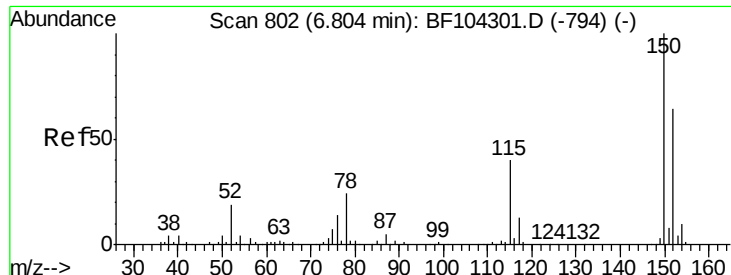
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

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Quant Time: Apr 10 14:47:26 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

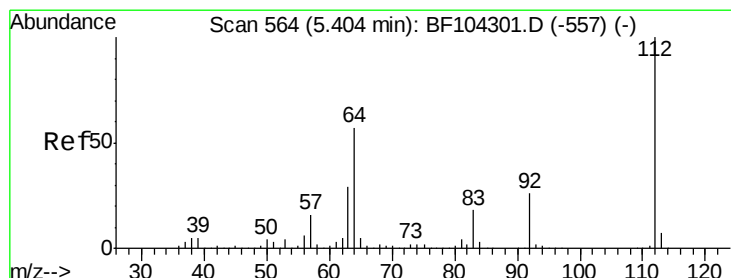
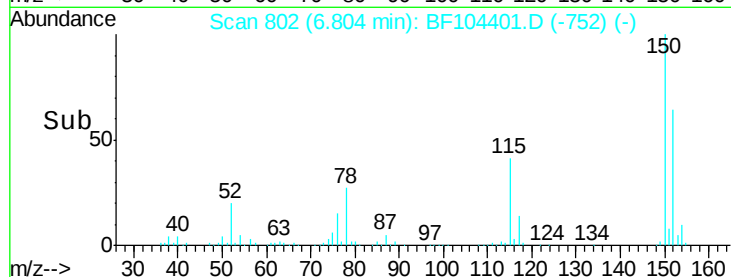
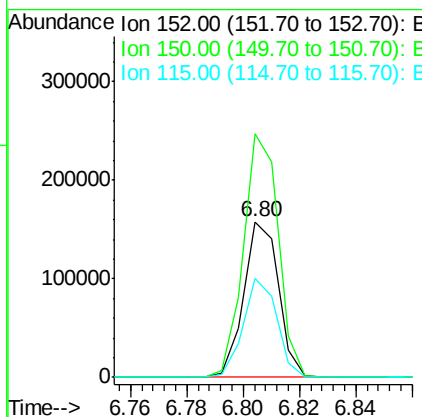
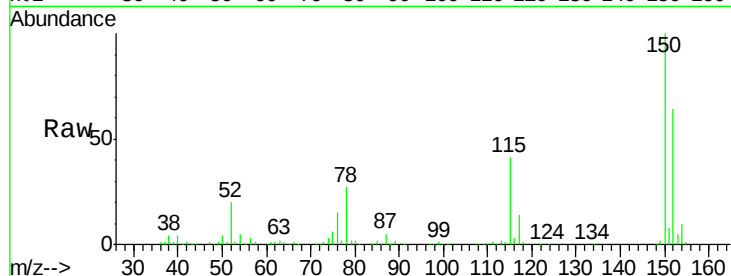
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	63.8	50.1	75.1

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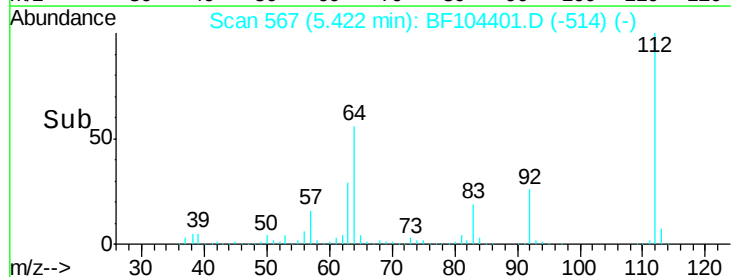
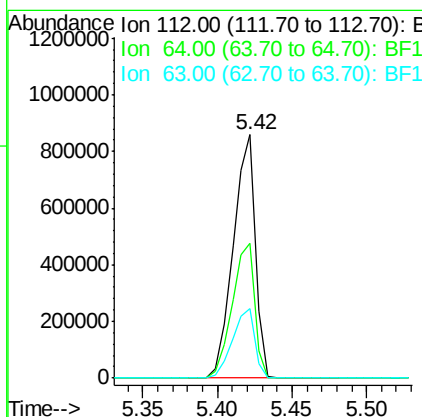
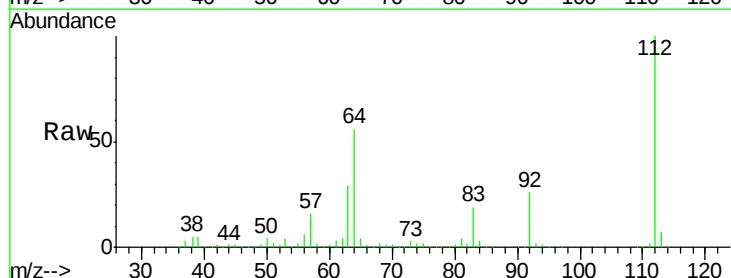
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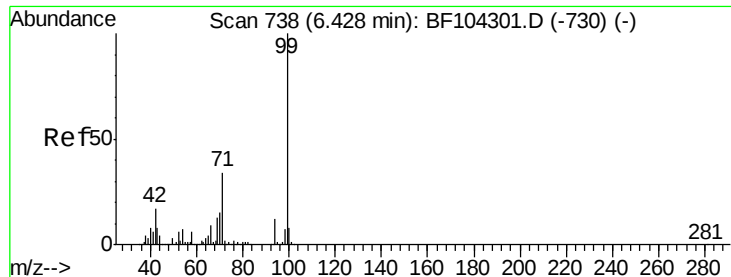


#5

2-Fluorophenol
Concen: 101.299 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 100.334 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Instrument :

BNA_F

ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1

Tot Ion: 99 Resp: 1088294

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

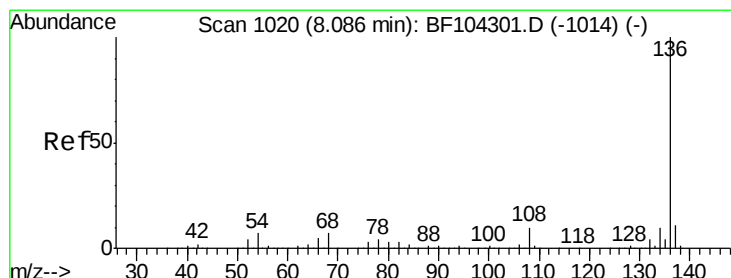
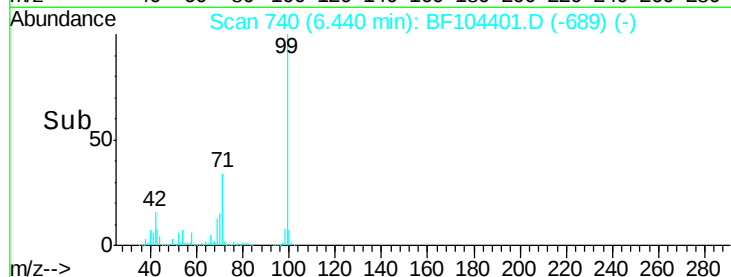
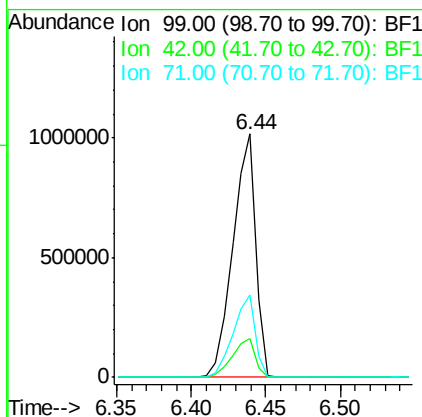
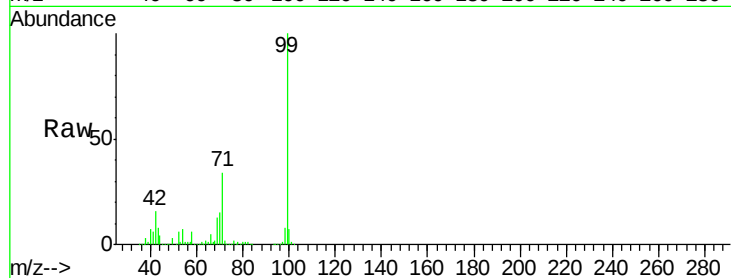
71 33.9 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Tgt Ion: 136 Resp: 533310

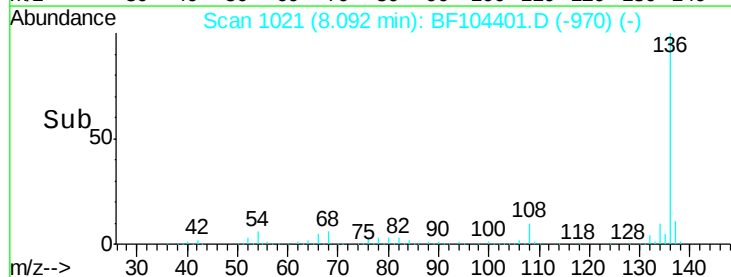
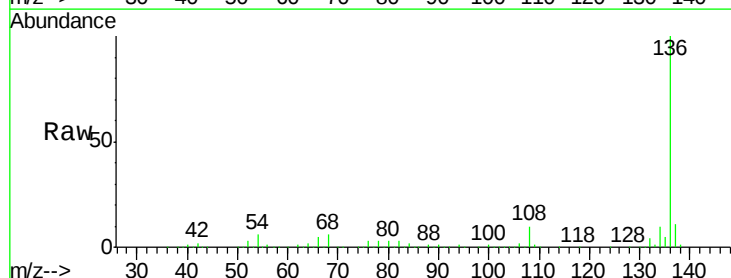
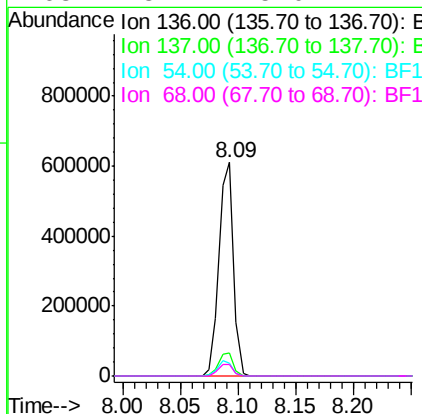
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.1 6.6 9.8#

68 5.7 5.0 7.4





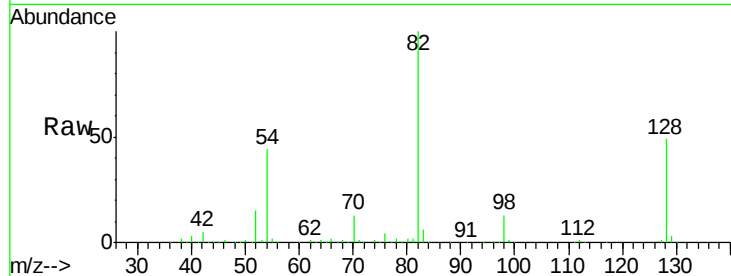
#23
Nitrobenzene-d5
Concen: 83.229 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

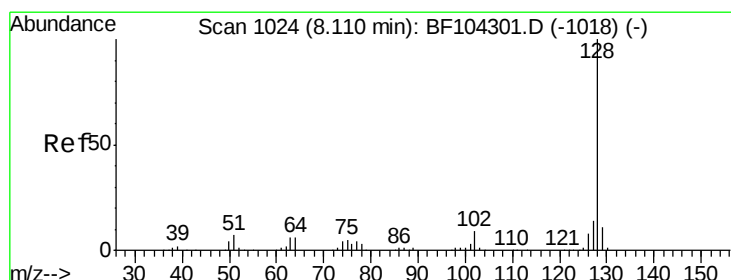
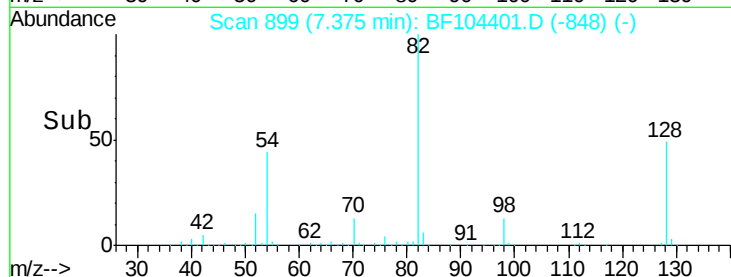
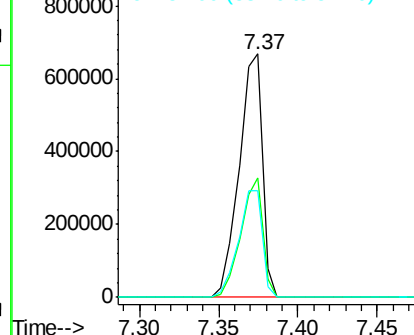
Tot Ion	Ratio	Resp	Lower	Upper
82	100	679757		
128	48.9		36.1	54.1
54	44.0		41.4	62.2

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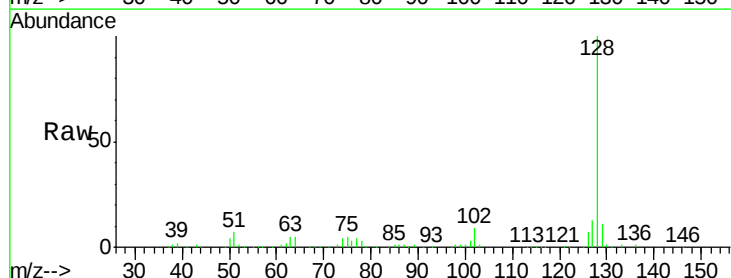


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

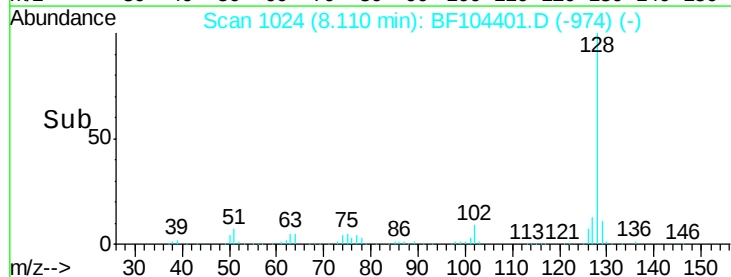
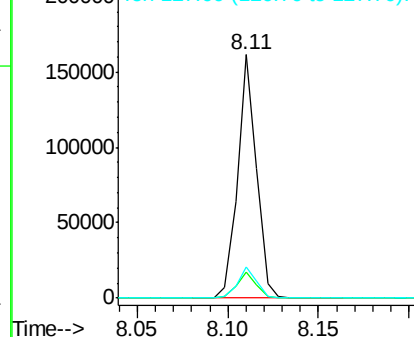


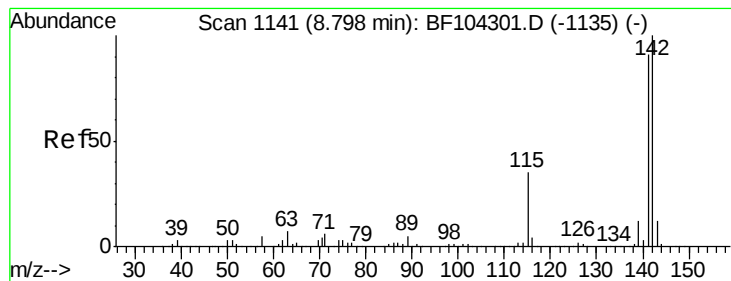
#31
Naphthalene
Concen: 4.393 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	116666		
129	10.6		8.8	13.2
127	13.0		10.9	16.3



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





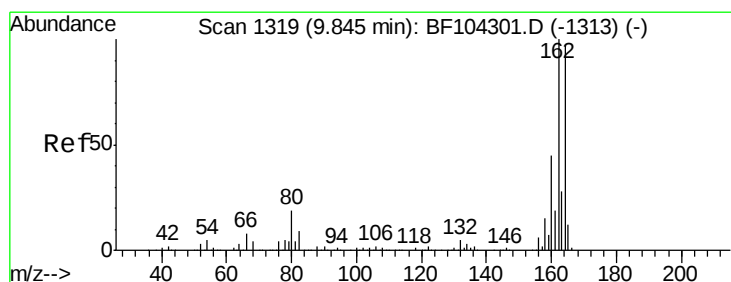
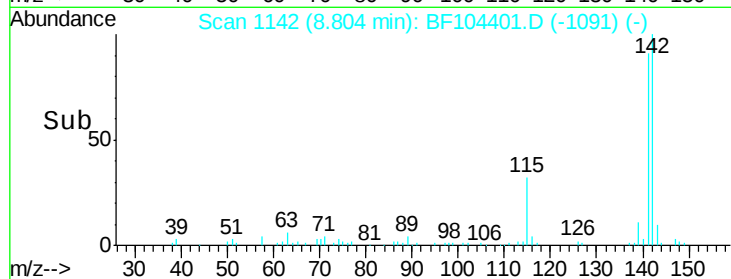
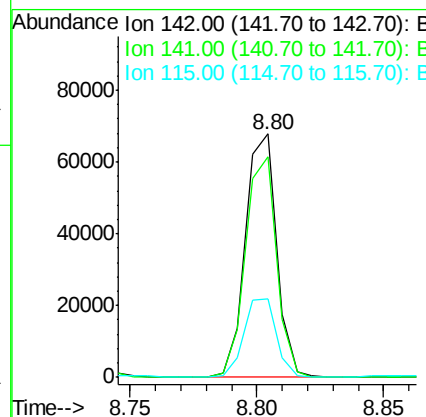
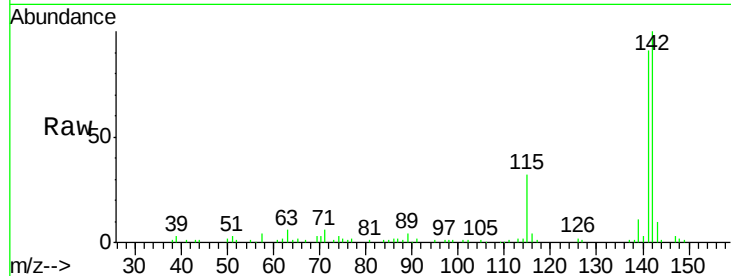
#37
2-Methylnaphthalene
Concen: 3.386 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2
115	32.1	26.1	39.1

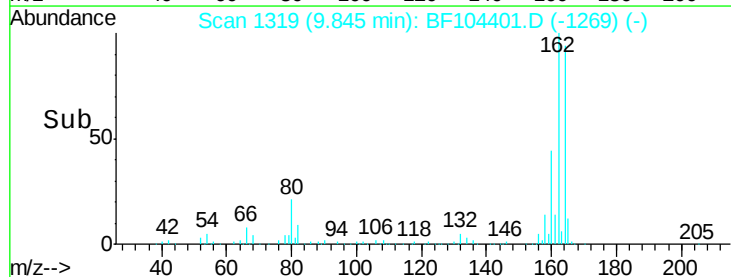
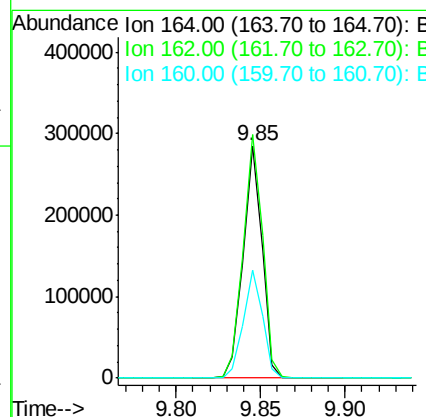
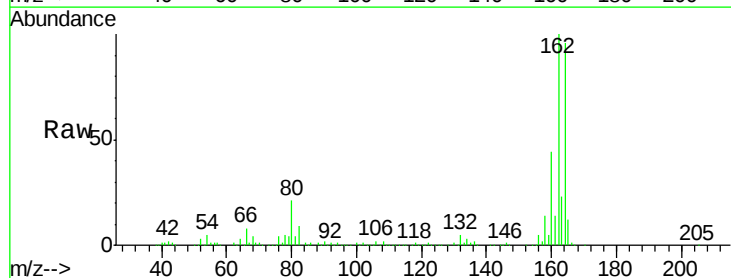
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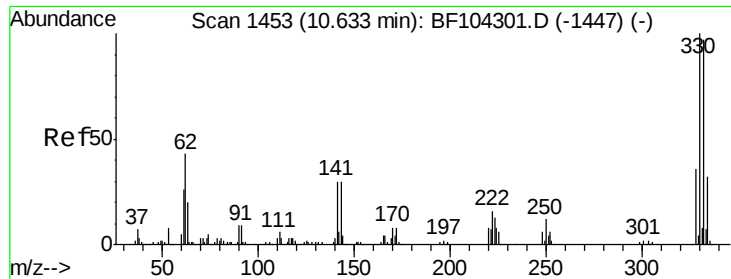
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.3	38.3	57.5





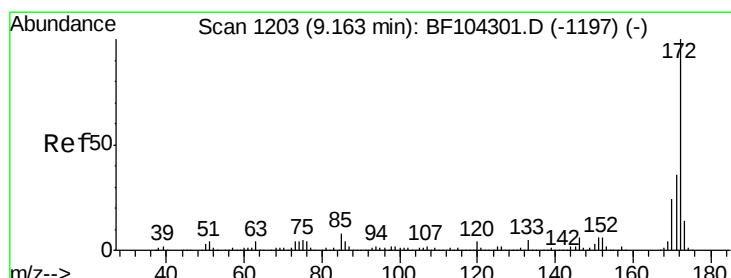
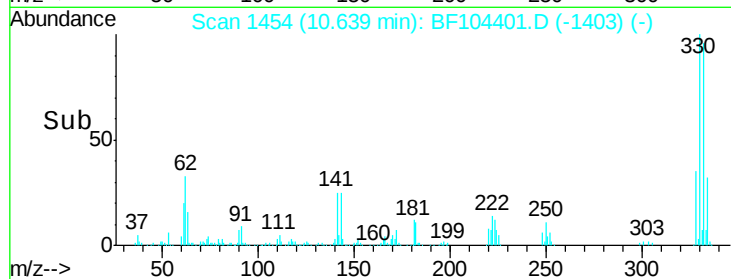
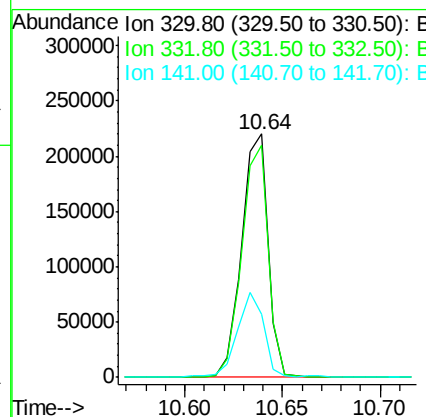
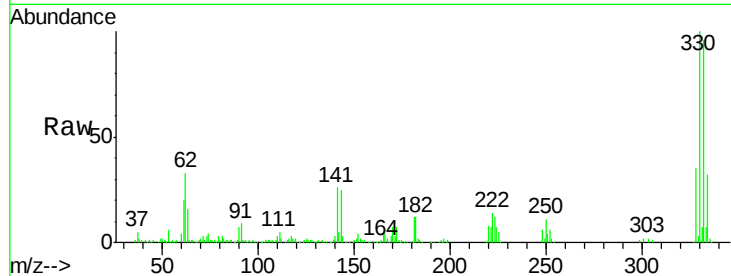
#41
 2,4,6-Tribromophenol
 Concen: 89.983 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	206419		
332	96.0	77.0	115.6	
141	34.2	29.9	44.9	

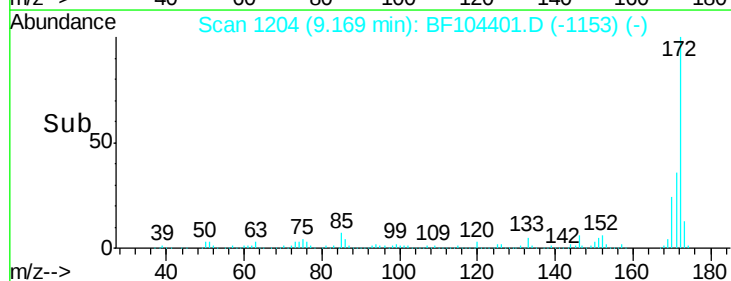
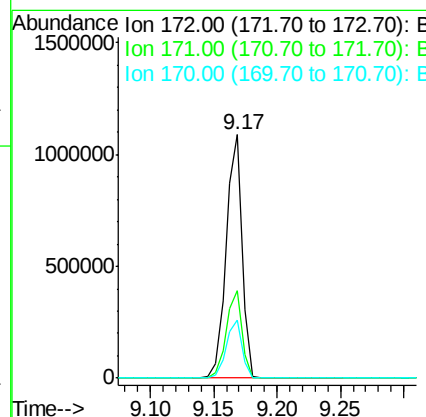
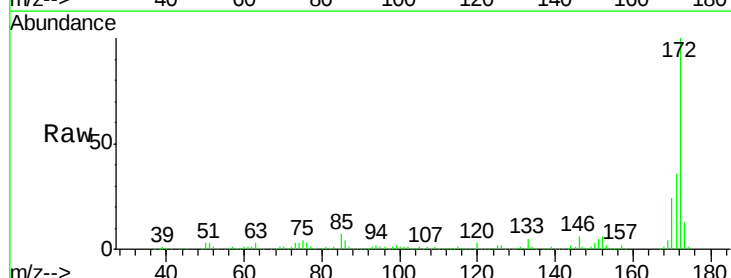
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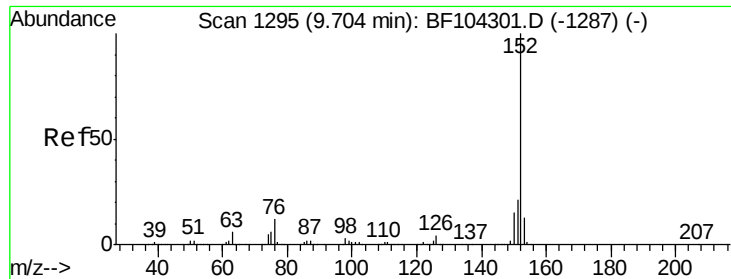
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#44
 2-Fluorobiphenyl
 Concen: 68.048 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	952576		
171	36.2	29.7	44.5	
170	24.1	19.6	29.4	





#48

Acenaphthylene

Concen: 4.319 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Instrument :

BNA_F

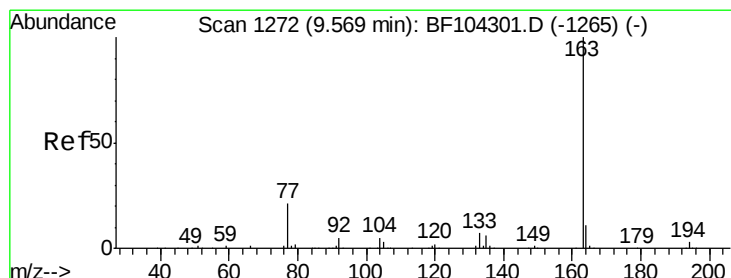
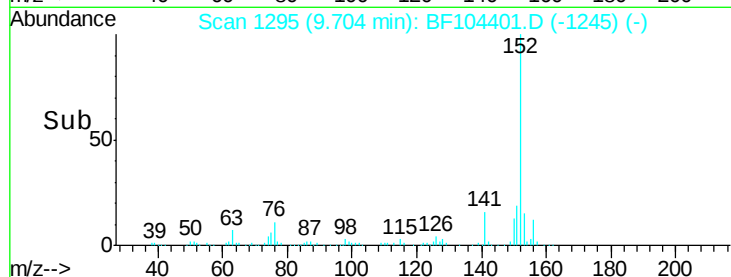
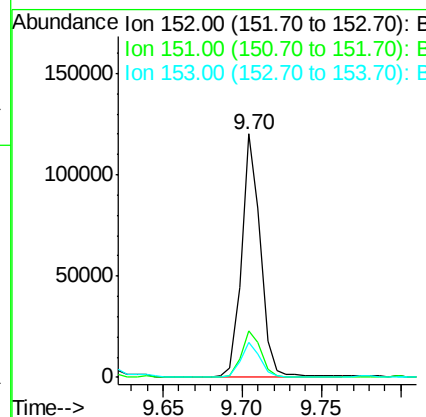
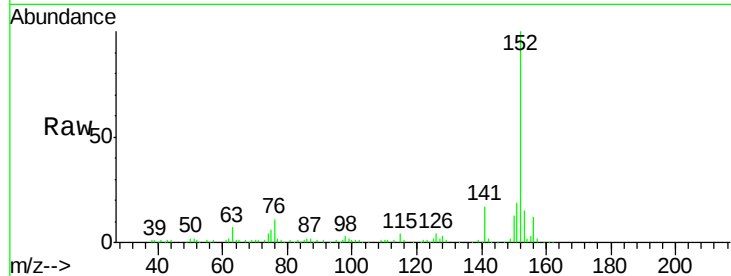
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1

Tot Ion:	152	Resp:	99444
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.3	24.5
153	14.6	10.7	16.1

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#49

Dimethylphthalate

Concen: 8.404 ng

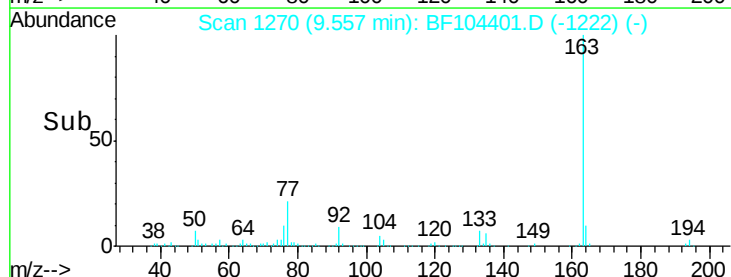
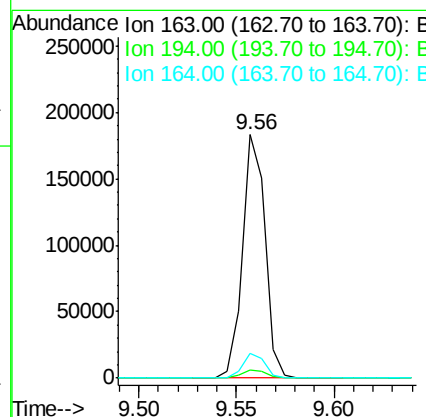
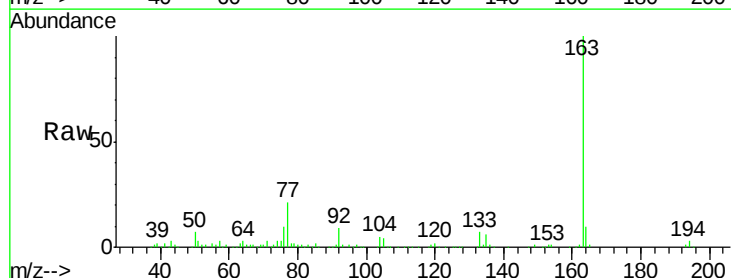
RT: 9.56 min Scan# 1270

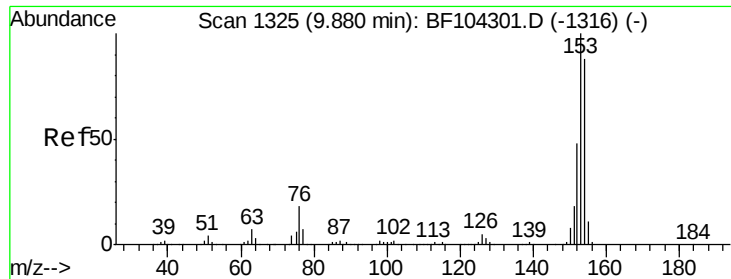
Delta R.T. -0.02 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Tgt Ion:	163	Resp:	146562
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	10.2	8.2	12.2





#51

Acenaphthene

Concen: 7.493 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Instrument :

BNA_F

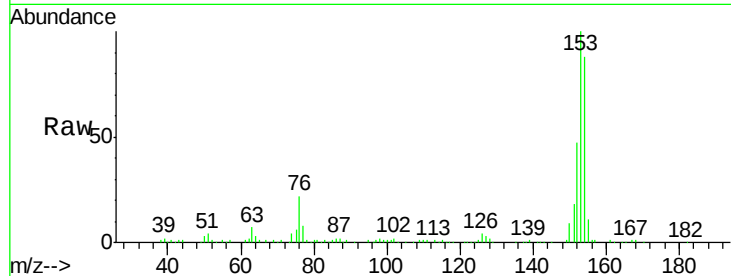
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1

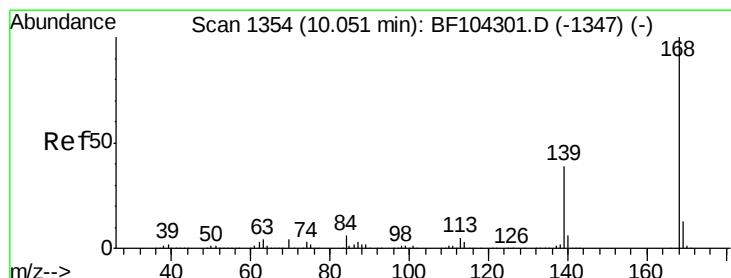
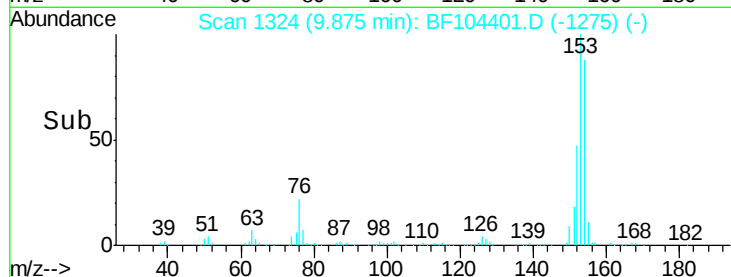
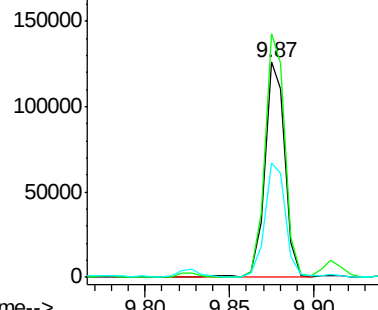
Tot Ion:	154	Resp:	105250
Ion Ratio	Lower	Upper	
154	100		
153	113.2	91.2	136.8
152	52.9	43.8	65.8

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



#54

Dibenzofuran

Concen: 3.794 ng

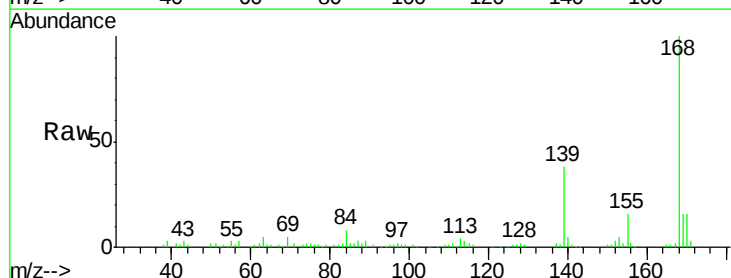
RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

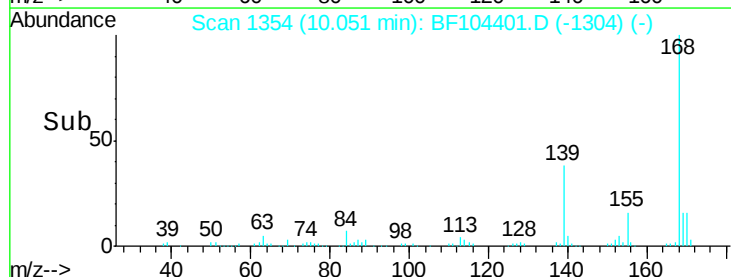
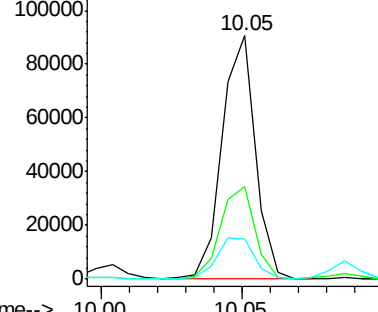
Lab File: BF104401.D

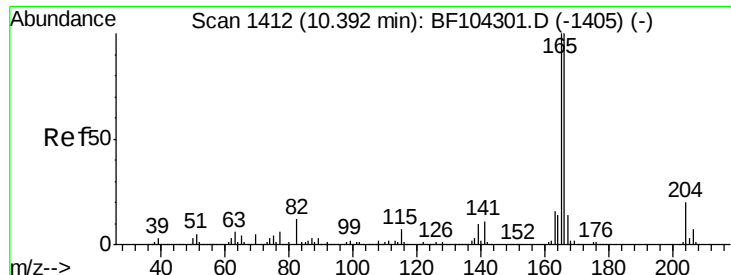
Acq: 10 Apr 2018 11:56

Tgt Ion:	168	Resp:	74278
Ion Ratio	Lower	Upper	
168	100		
139	38.0	30.1	45.1
169	16.3	10.9	16.3



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





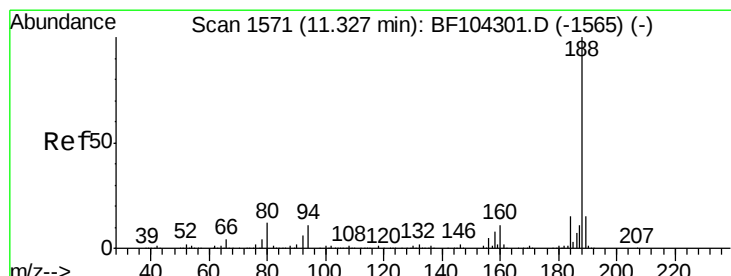
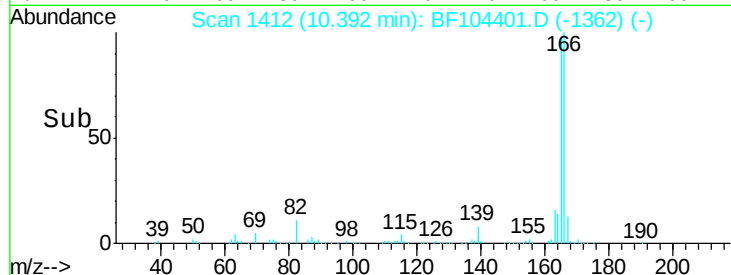
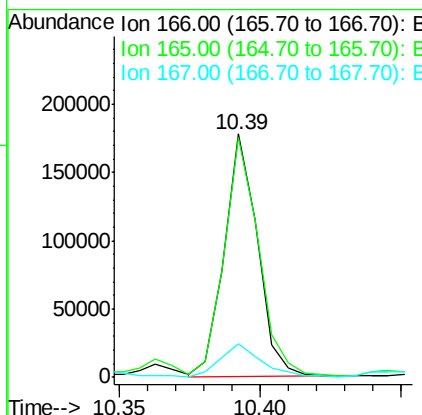
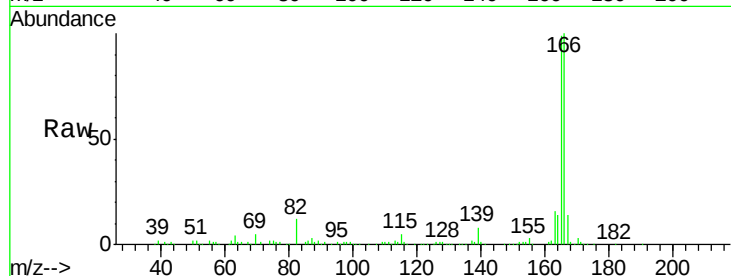
#57
Fluorene
 Concen: 10.151 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	144634		
165	98.6	79.8	119.8	
167	13.6	10.6	16.0	

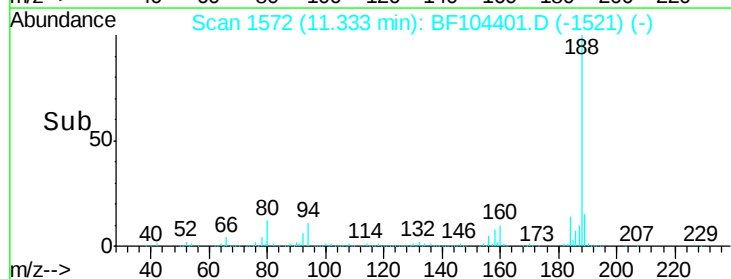
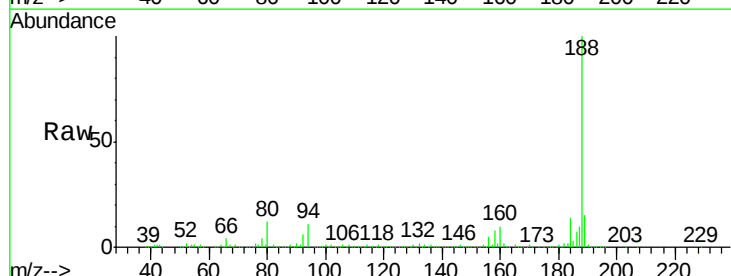
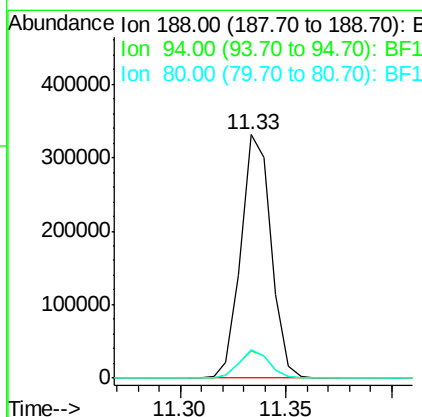
Manual Integrations
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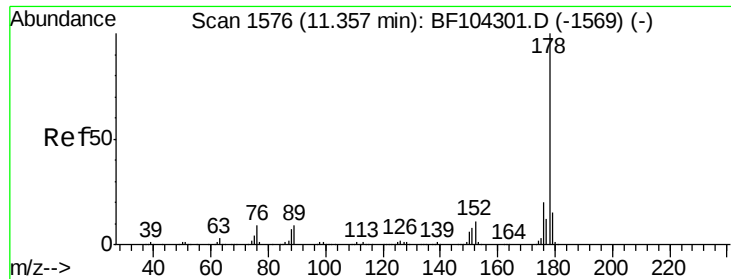
Sohil
 4/11/2018 5:16:52 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	328388		
94	11.2	8.5	12.7	
80	11.9	9.2	13.8	





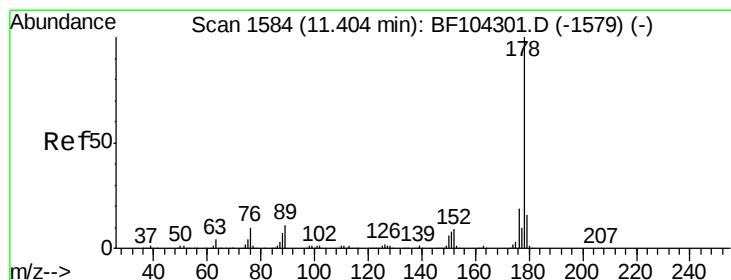
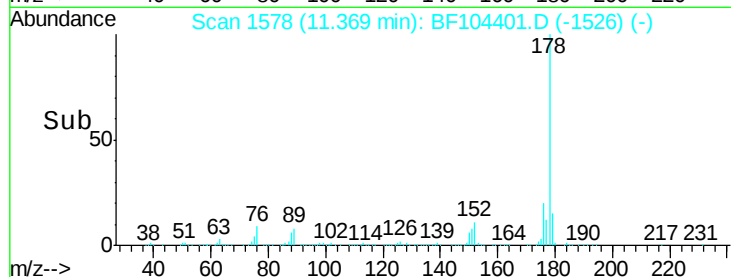
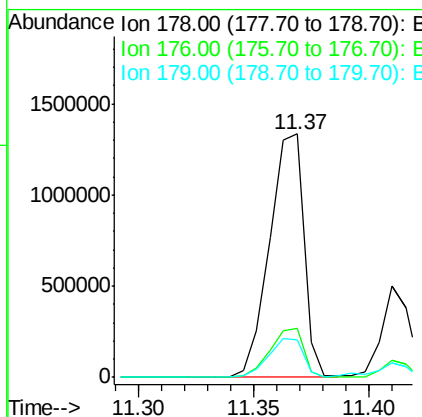
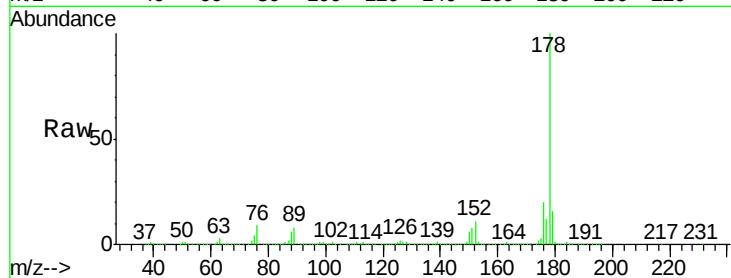
#70
Phenanthrene
Concen: 75.370 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

Tot Ion:178 Resp: 1378337
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.5 13.0 19.6

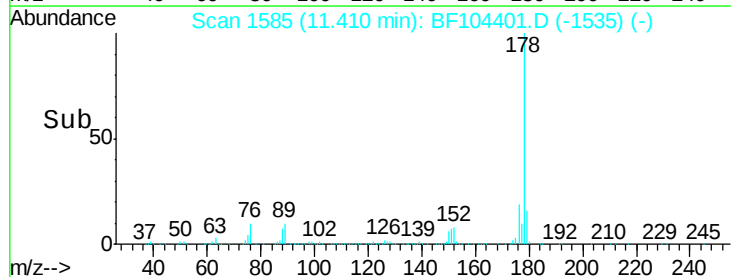
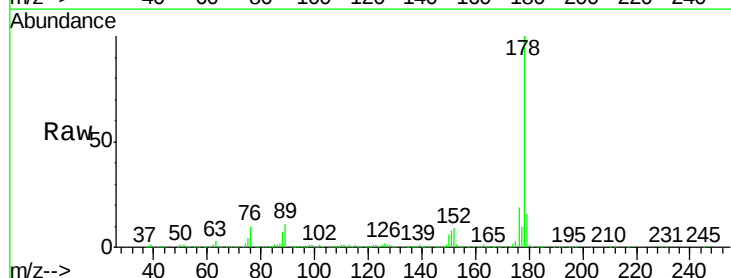
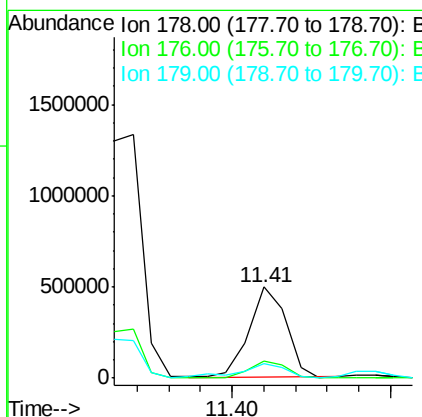
Manual Integrations
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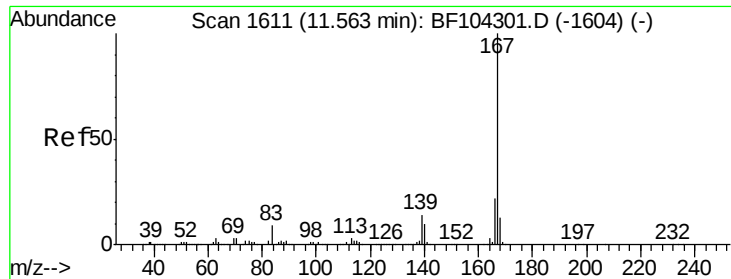
Sohil
4/11/2018 5:16:52 PM



#71
Anthracene
Concen: 21.621 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion:178 Resp: 401920
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.3 12.6 19.0





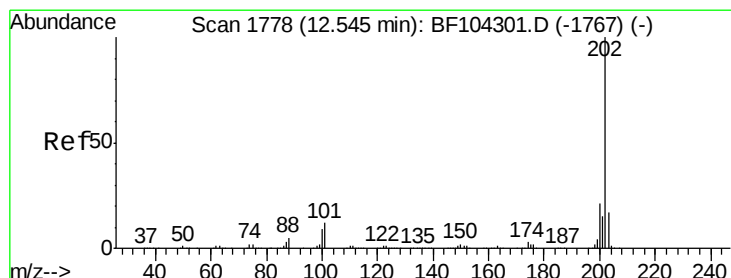
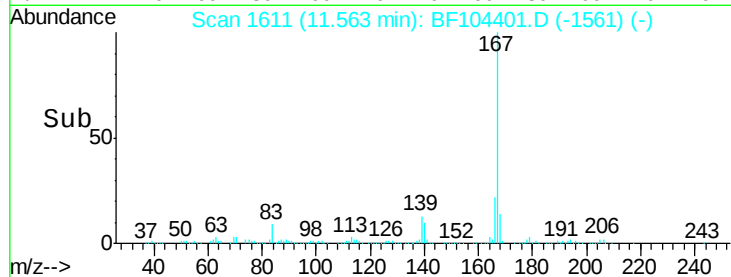
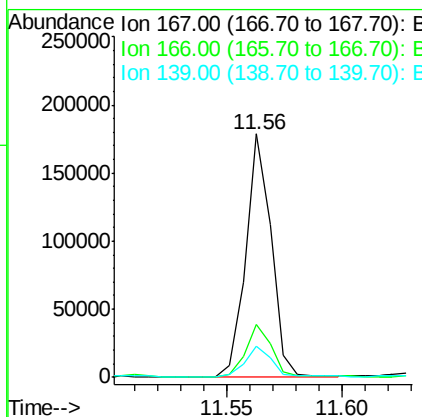
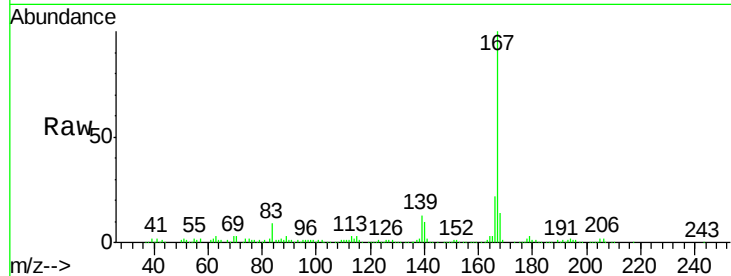
#72
 Carbazole
 Concen: 7.511 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.0	10.9	16.3

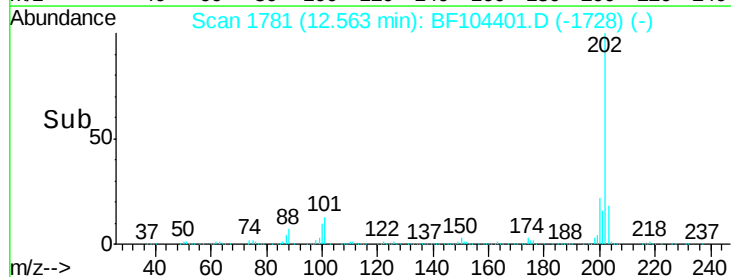
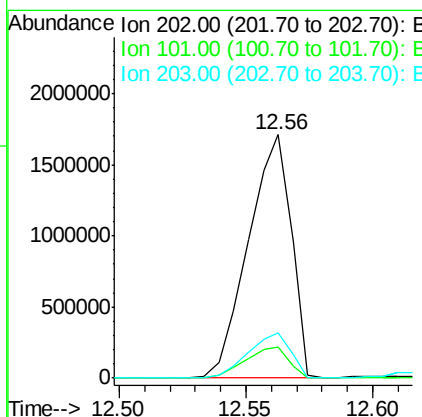
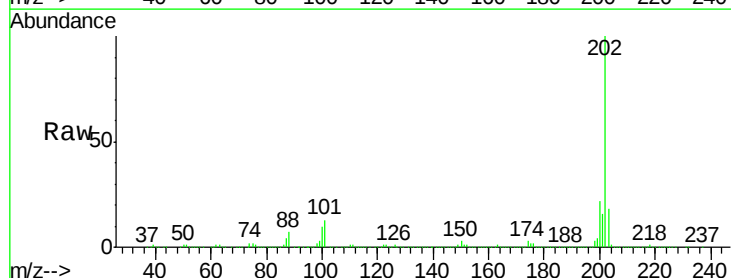
Manual Integrations
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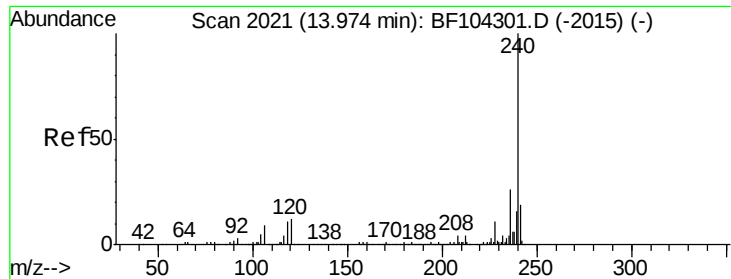
Sohil
 4/11/2018 5:16:52 PM



#74
 Fluoranthene
 Concen: 105.695 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Instrument :

BNA_F

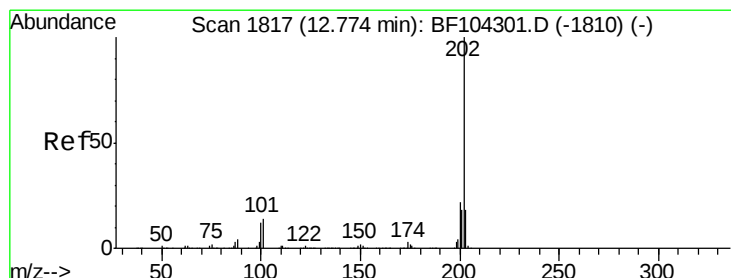
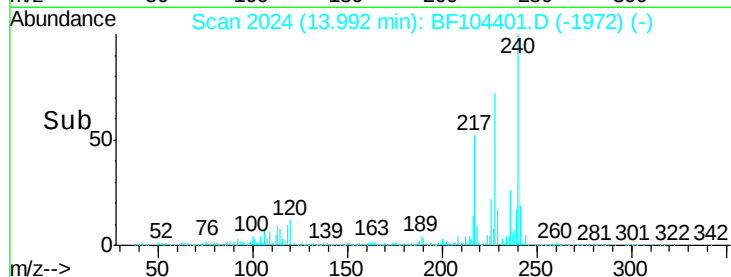
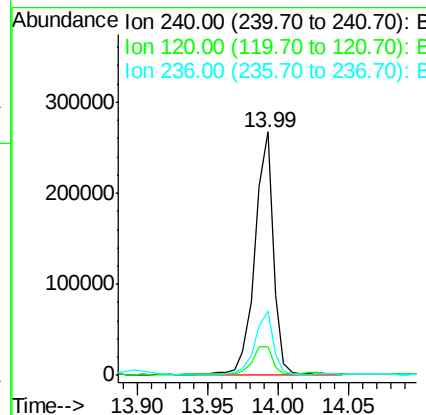
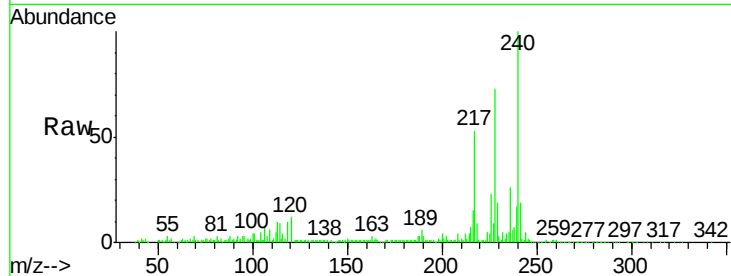
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1

Tot Ion:	240	Resp:	246653
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	26.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 106.716 ng

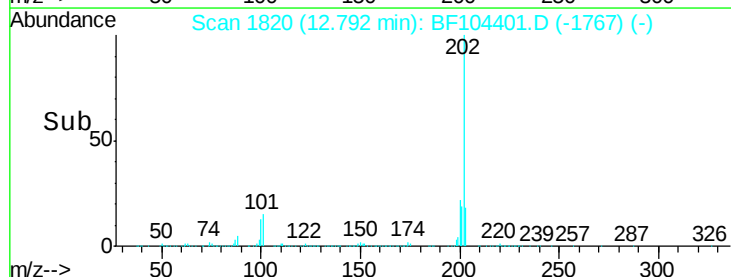
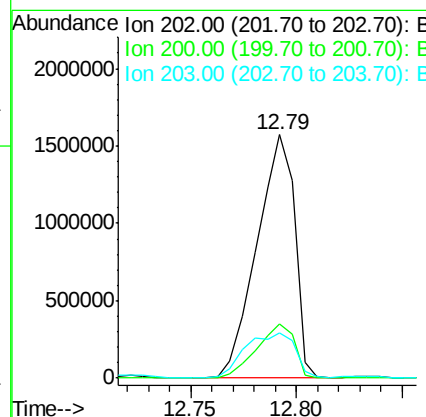
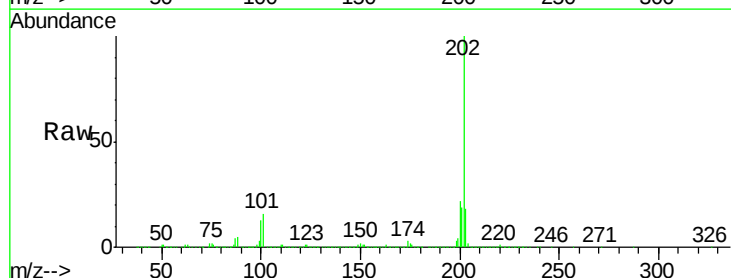
RT: 12.79 min Scan# 1820

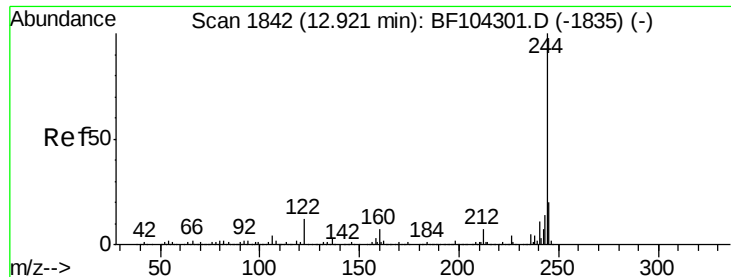
Delta R.T. 0.01 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Tgt Ion:	202	Resp:	1951061
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	18.4	14.3	21.5





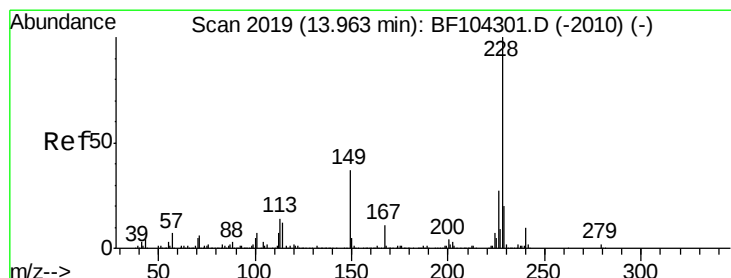
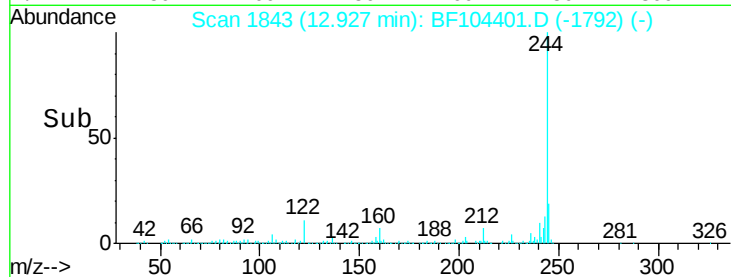
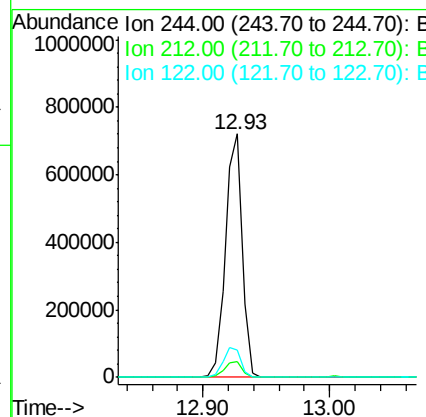
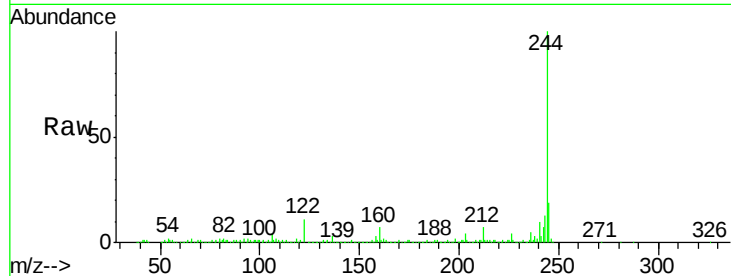
#78
 Terphenyl-d14
 Concen: 61.484 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.7		5.4	8.0	
122	11.2		11.0	16.4	

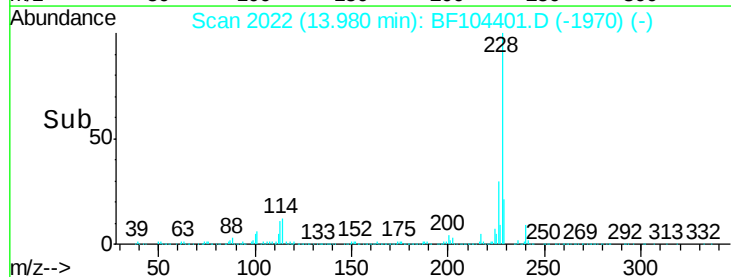
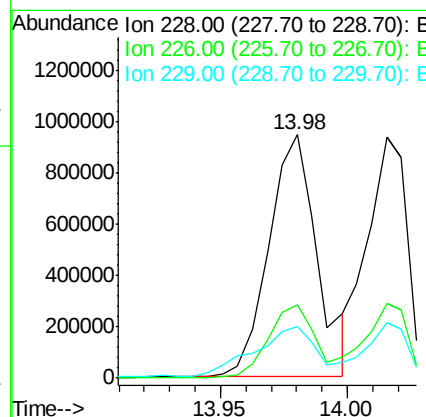
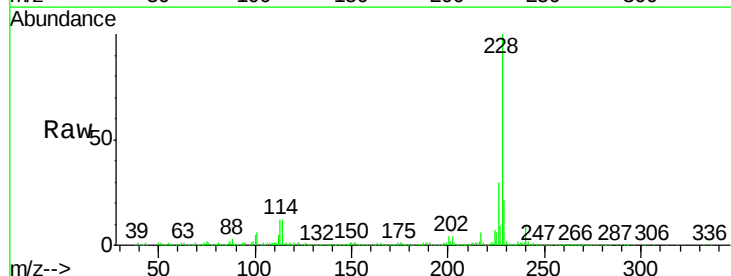
Manual Integrations
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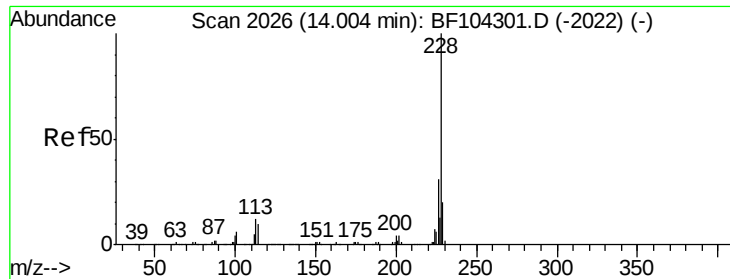
Sohil
 4/11/2018 5:16:52 PM



#80
 Benzo(a)anthracene
 Concen: 85.128 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF104401.D
 Acq: 10 Apr 2018 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.2		22.6	33.8	
229	21.3		15.8	23.6	





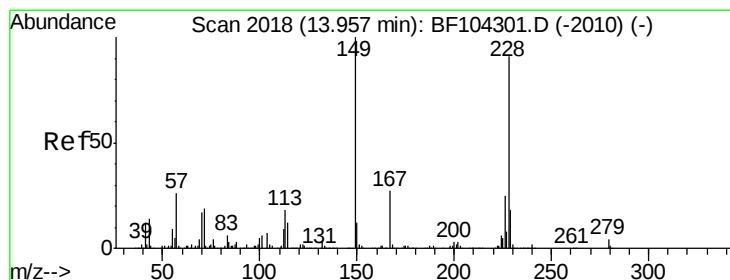
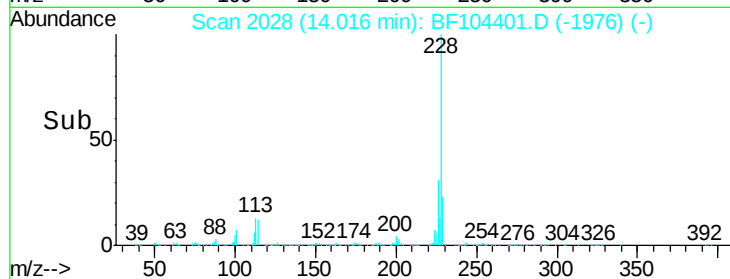
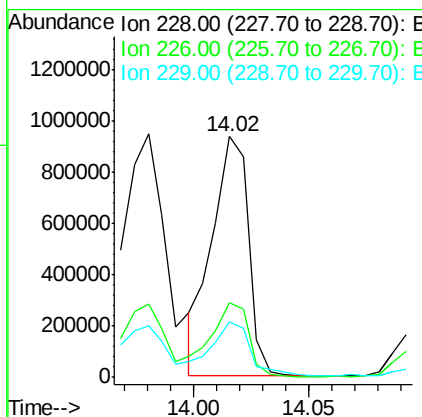
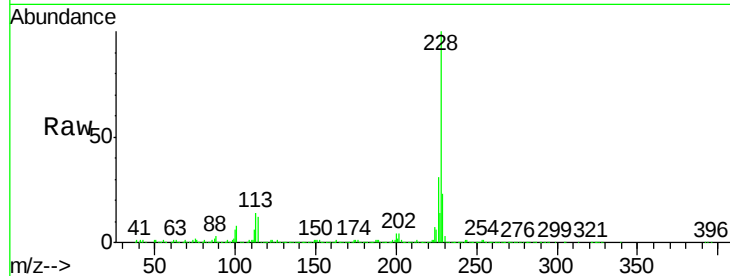
#82
Chrysene
Concen: 67.827 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.3	16.2	24.4

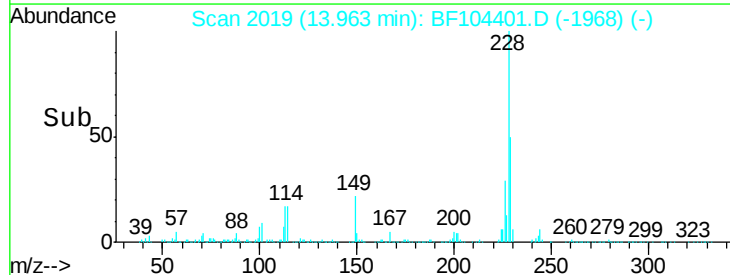
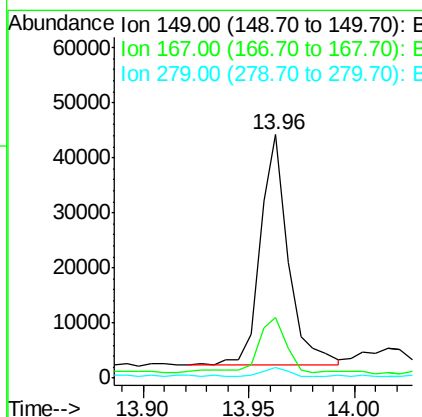
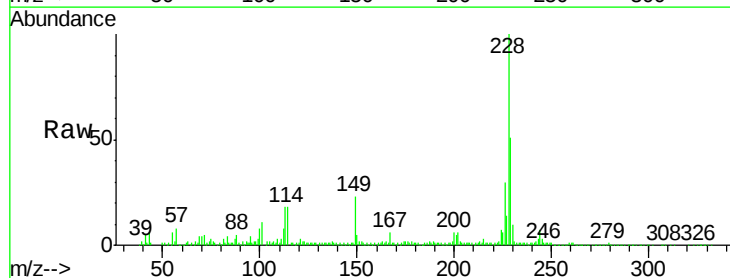
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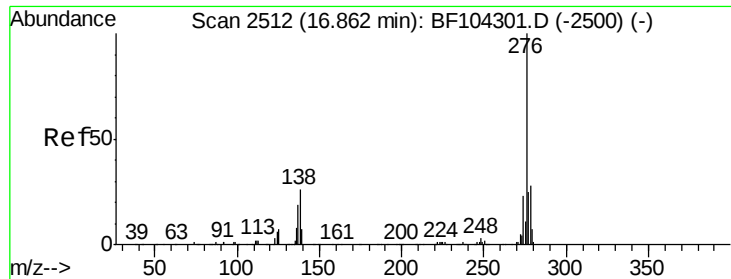
Sohil
4/11/2018 5:16:52 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.469 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.7	21.3	31.9
279	4.4	3.0	4.4





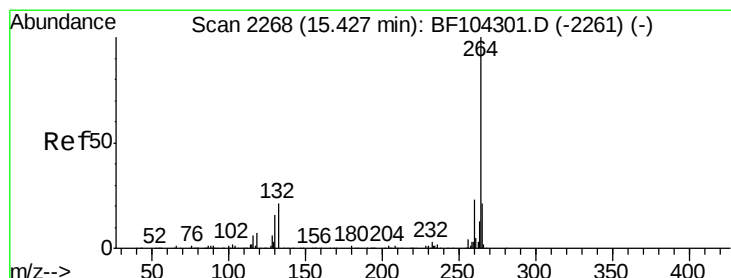
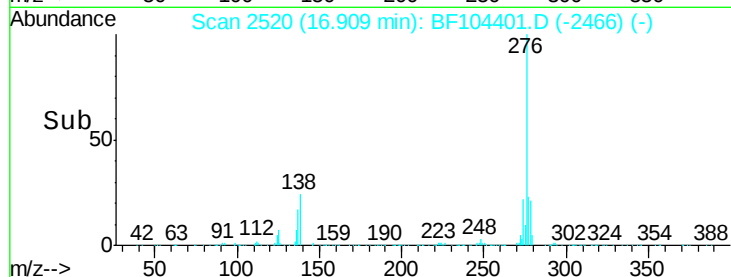
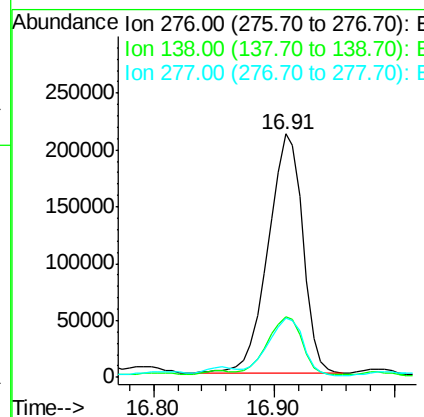
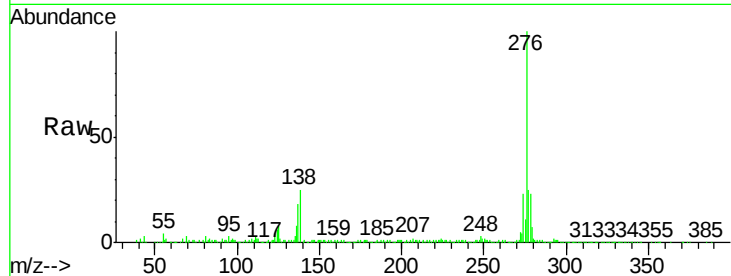
#85
Indeno(1,2,3-cd)pyrene
Concen: 33.058 ng/ml
RT: 16.91 min Scan# 2520
Delta R.T. 0.02 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.7	25.0	37.6#
277	5.3	20.1	30.1#

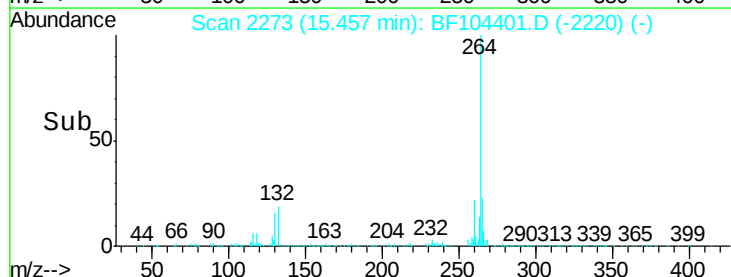
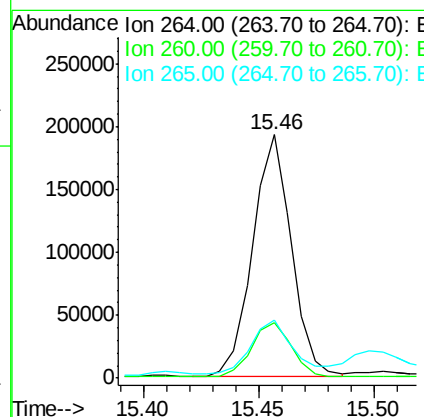
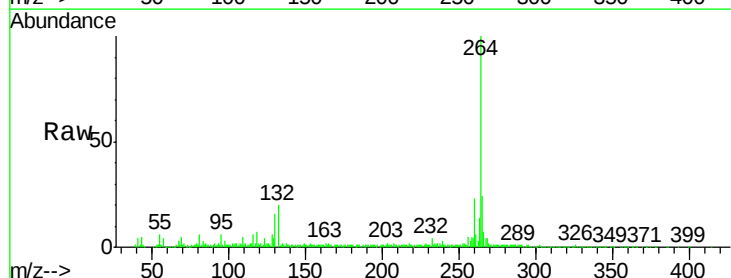
Manual Integrations
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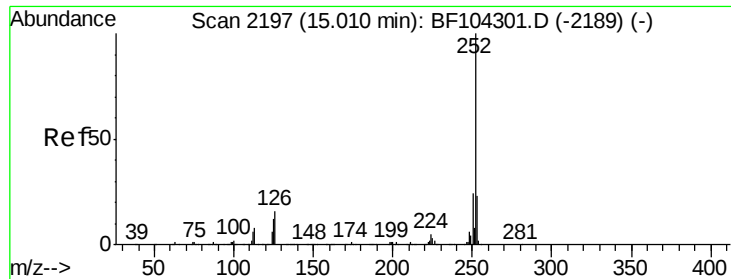
Sohil
4/11/2018 5:16:52 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	24.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 84.530 ng m

RT: 15.04 min Scan# 2202

Delta R.T. 0.02 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Instrument :

BNA_F

ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1

Tot Ion:252 Resp: 1200529

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

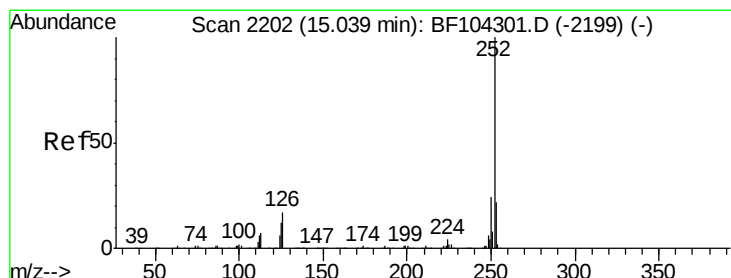
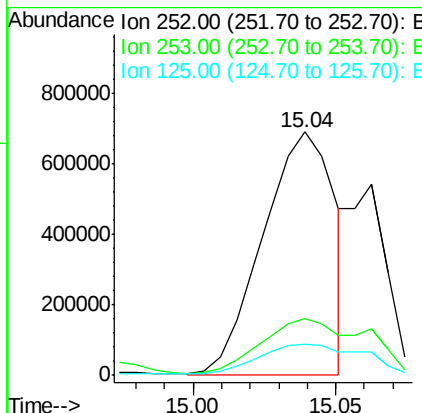
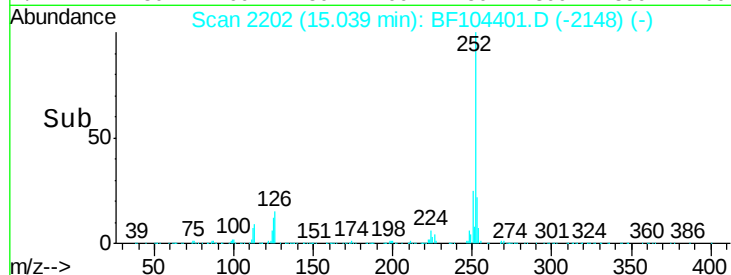
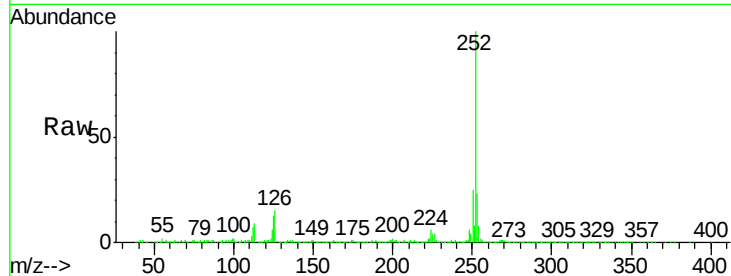
125 12.8 9.0 13.6

Manual Integrations

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Sohil

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#88

Benzo(k)fluoranthene

Concen: 36.760 ng m

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

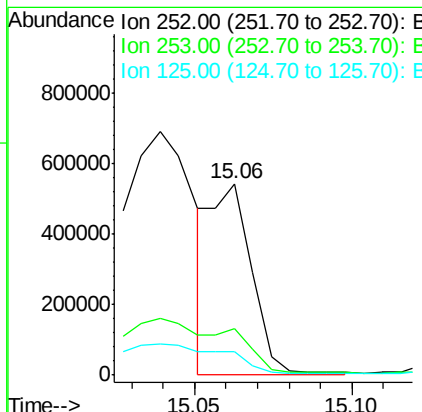
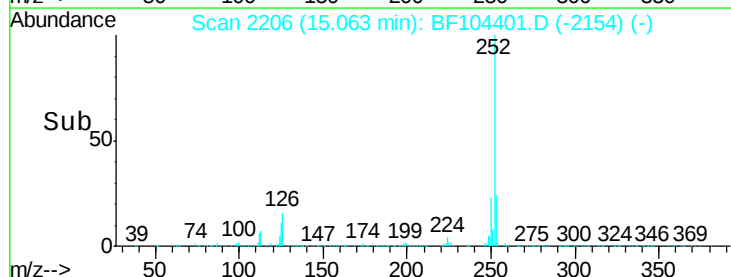
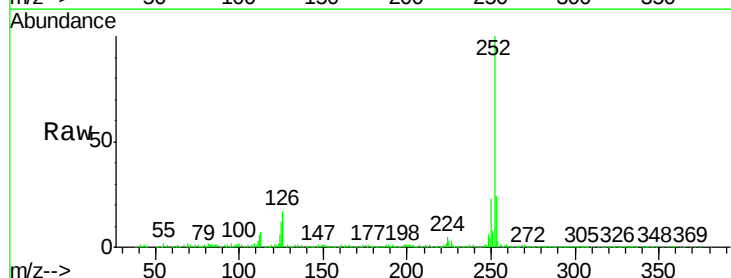
Tgt Ion:252 Resp: 492885

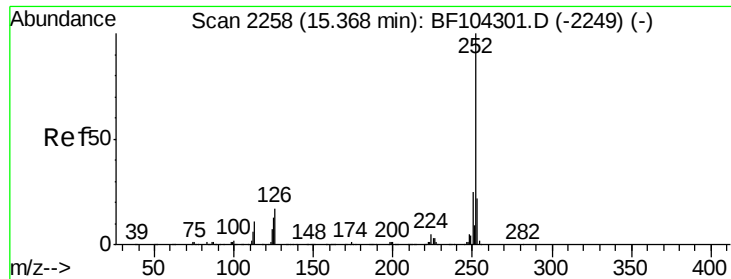
Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

125 12.0 10.2 15.2





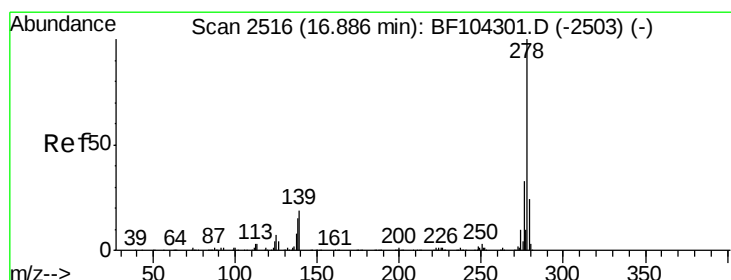
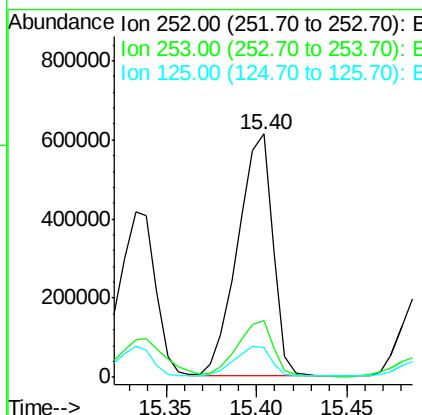
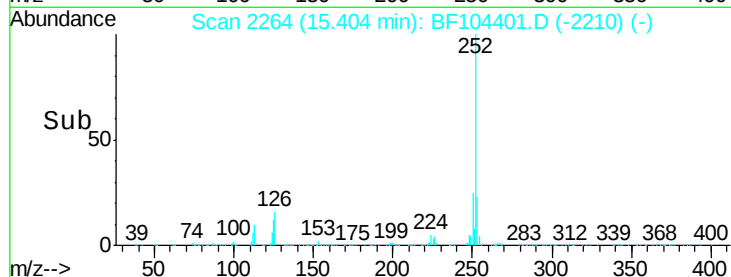
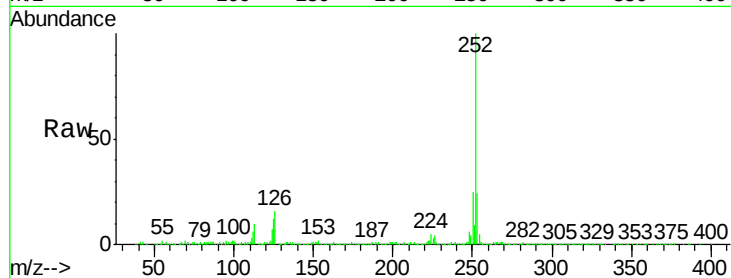
#89
Benzo(a)pyrene
Concen: 65.237 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.02 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	12.3	9.8	14.6

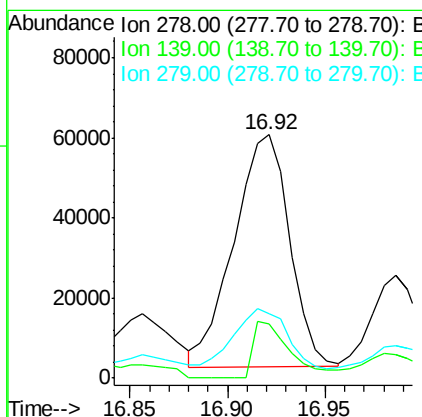
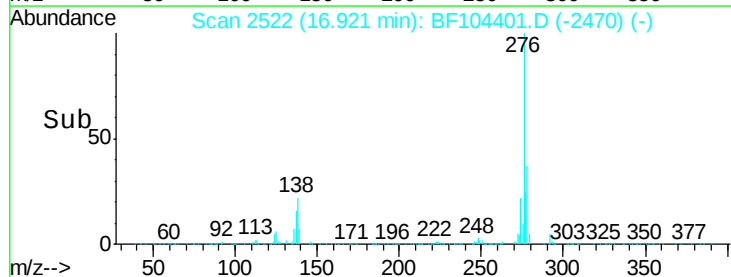
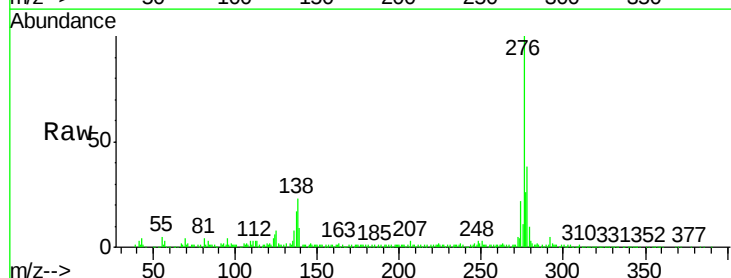
Manual Integrations
APPROVED

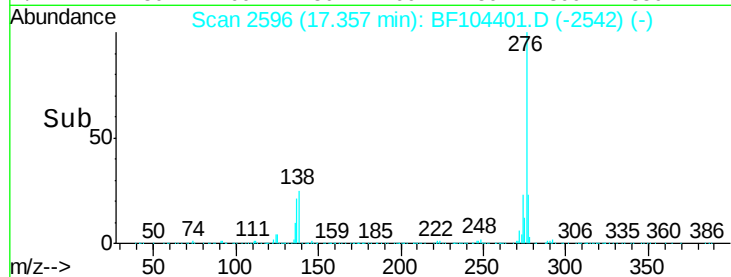
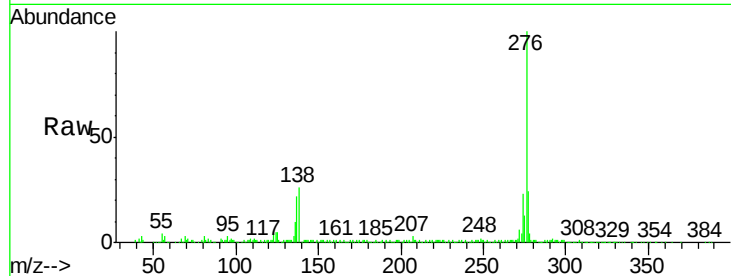
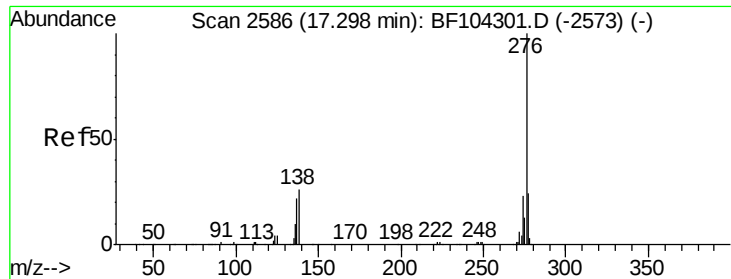
Sohil
4/11/2018 5:16:52 PM



#90
Dibenzo(a,h)anthracene
Concen: 10.968 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF104401.D
Acq: 10 Apr 2018 11:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.9	23.9
279	26.3	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 38.707 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.02 min

Lab File: BF104401.D

Acq: 10 Apr 2018 11:56

Instrument :

BNA_F

ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1

Tot Ion:	276	Resp:	391380
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.9	26.9
138	25.6	21.8	32.8

Manual Integrations
APPROVED

Sohil
4/11/2018 5:16:52 PM

