

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104402.D
 Acq On : 10 Apr 2018 12:22
 Operator : JU/SJ
 Sample : J2270-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-2

Manual Integrations
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Sohil
 4/11/2018 5:16:54 PM

Quant Time: Apr 10 14:50:55 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	139832	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	554538	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	236071	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	344297	20.00	ng	0.00
75) Chrysene-d12	13.99	240	262957	20.00	ng	0.00
86) Perylene-d12	15.46	264	223174	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	856492	93.66	ng	0.01
7) Phenol-d6	6.44	99	1061373	94.46	ng	0.00
23) Nitrobenzene-d5	7.37	82	650341	76.58	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	203417	83.07	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	879434	58.85	ng	0.00
78) Terphenyl-d14	12.92	244	584062	50.64	ng	0.00
Target Compounds						
48) Acenaphthylene	9.70	152	218365	8.885	ng	100
49) Dimethylphthalate	9.56	163	136424	7.328	ng	100
51) Acenaphthene	9.88	154	78263	5.219	ng	98
54) Dibenzofuran	10.05	168	55810	2.671	ng	97
57) Fluorene	10.39	166	102353	6.729	ng	100
70) Phenanthrene	11.36	178	1068177	55.711	ng	99
71) Anthracene	11.41	178	425679	21.841	ng	99
72) Carbazole	11.56	167	77775	4.084	ng	98
74) Fluoranthene	12.56	202	1611521	80.444	ng	97
77) Pyrene	12.79	202	1461862	75.001	ng	99
80) Benzo(a)anthracene	13.98	228	986383	62.790	ng	95
82) Chrysene	14.02	228	873881	54.158	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	424085m	30.939	ng	
87) Benzo(b)fluoranthene	15.04	252	1150234m	81.604	ng	
88) Benzo(k)fluoranthene	15.06	252	395870m	29.749	ng	
89) Benzo(a)pyrene	15.40	252	777706	61.665	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	114537m	11.058	ng	
91) Benzo(g,h,i)perylene	17.35	276	365289	36.401	ng	95

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

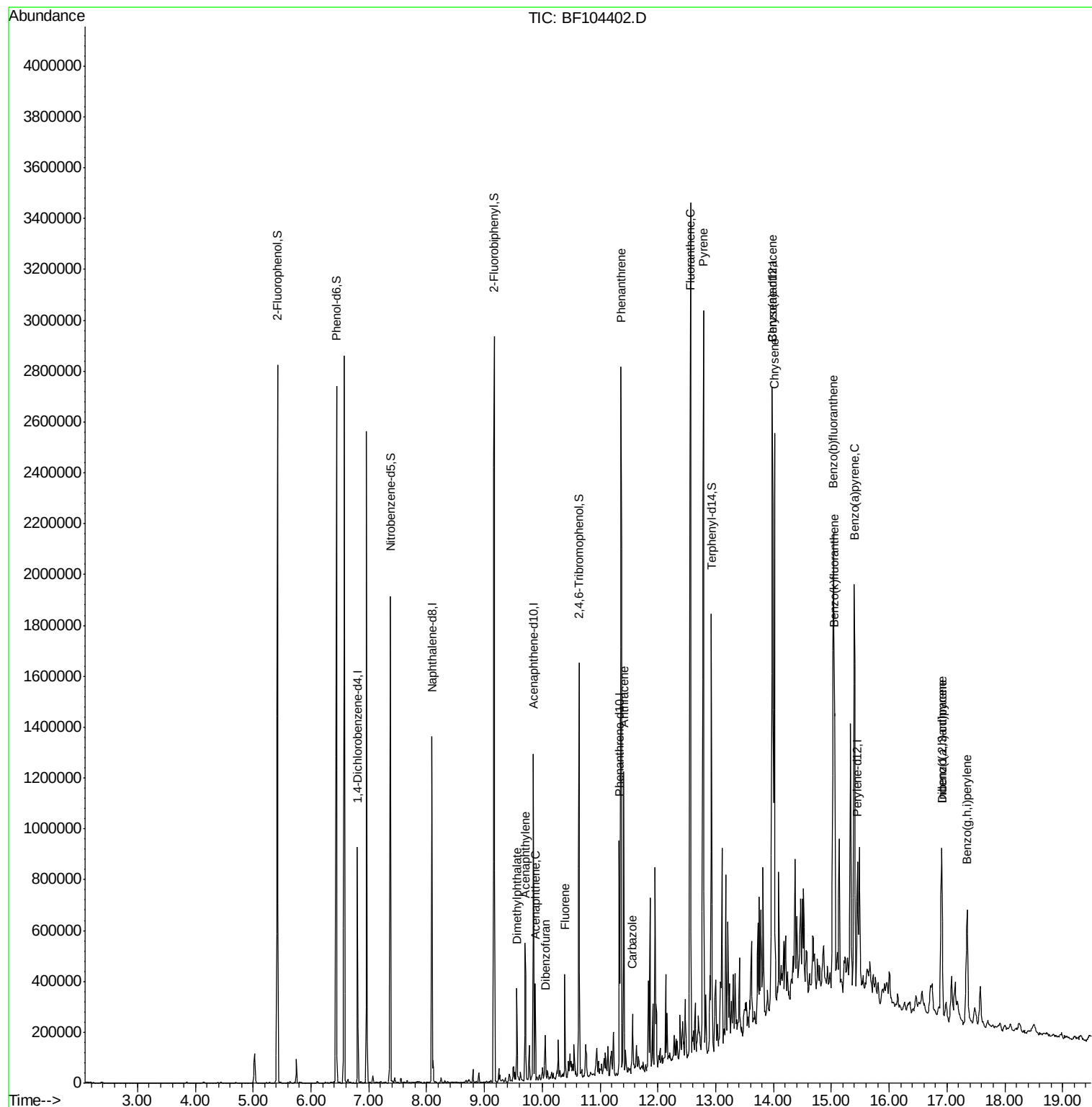
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104402.D
Acq On : 10 Apr 2018 12:22
Operator : JU/SJ
Sample : J2270-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

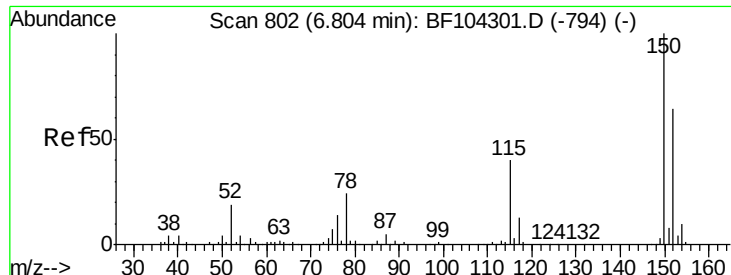
Instrument :
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SOUTHLAWN-PRECHAR-AREA-2

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Quant Time: Apr 10 14:50:55 2018
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#1

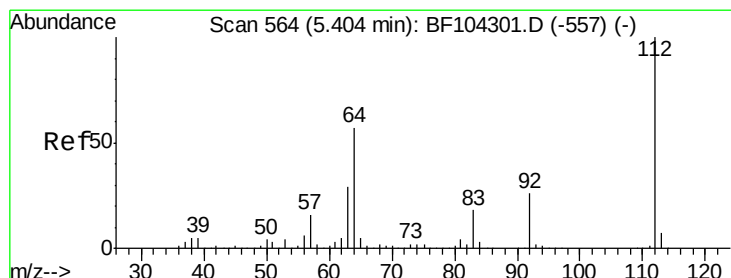
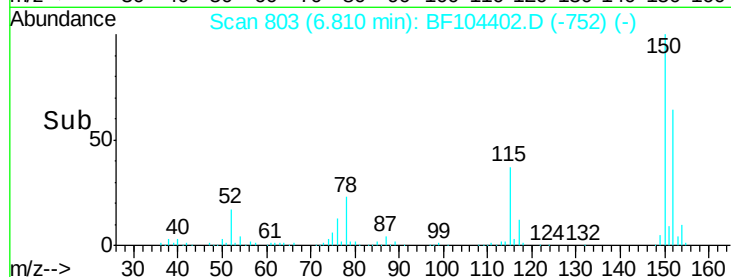
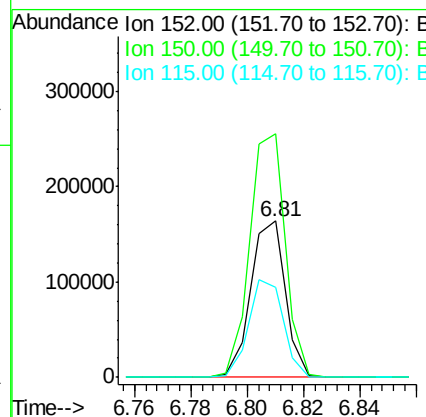
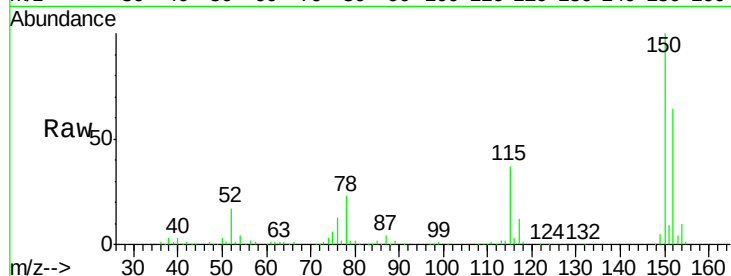
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	57.7	50.1	75.1

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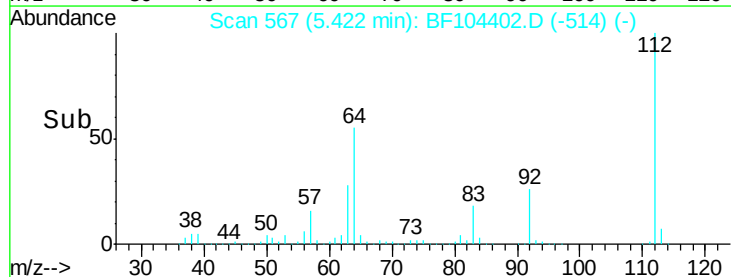
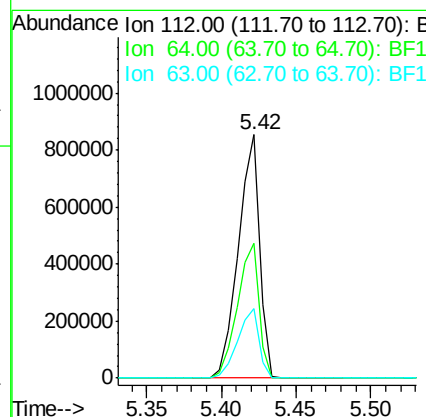
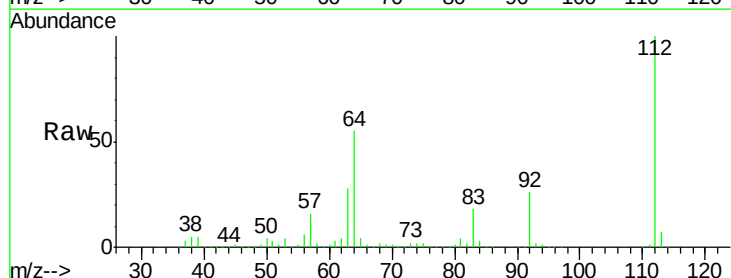
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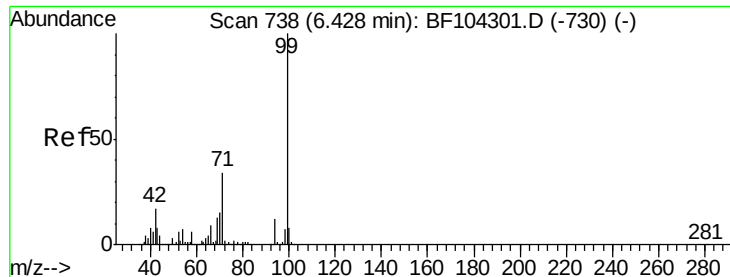


#5

2-Fluorophenol
Concen: 93.657 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 94.460 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2

Tot Ion: 99 Resp: 1061373

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

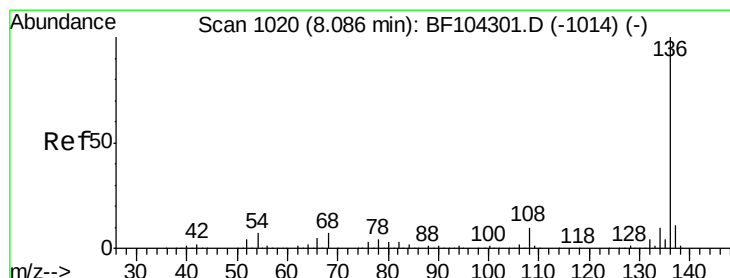
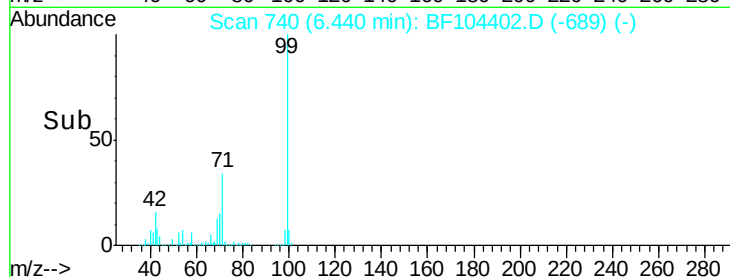
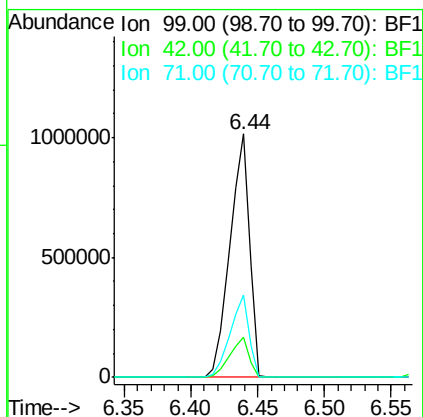
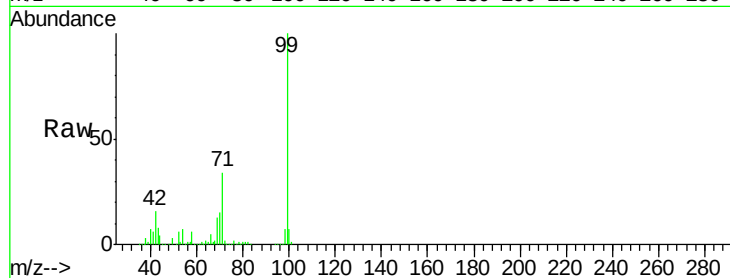
71 33.9 25.4 38.0

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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: BF104402.D

Acq: 10 Apr 2018 12:22

Tgt Ion: 136 Resp: 554538

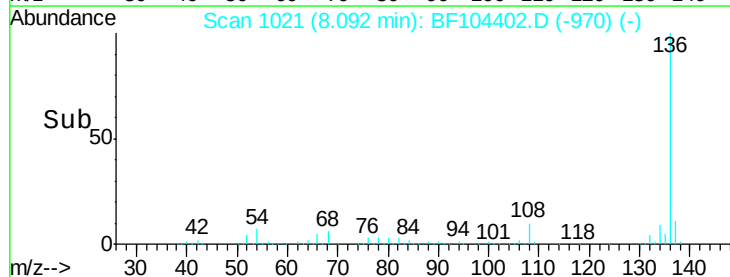
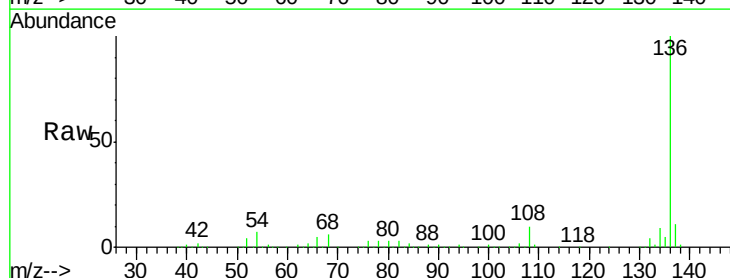
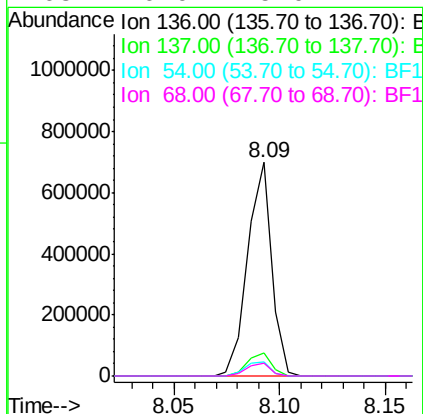
Ion Ratio Lower Upper

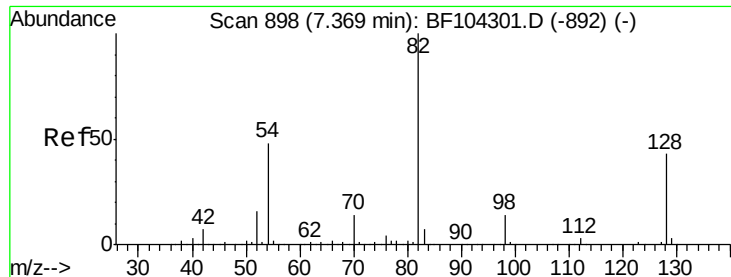
136 100

137 11.0 8.9 13.3

54 6.6 6.6 9.8

68 6.0 5.0 7.4





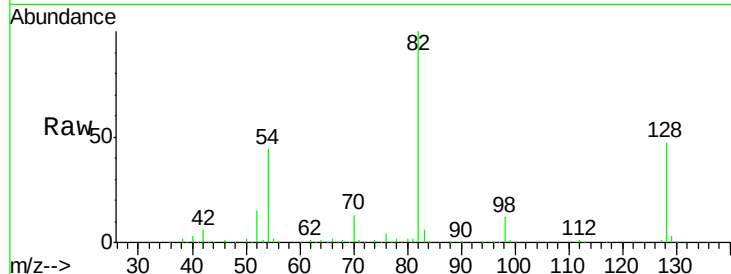
#23
 Nitrobenzene-d5
 Concen: 76.579 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: BF104402.D
 Acq: 10 Apr 2018 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-2

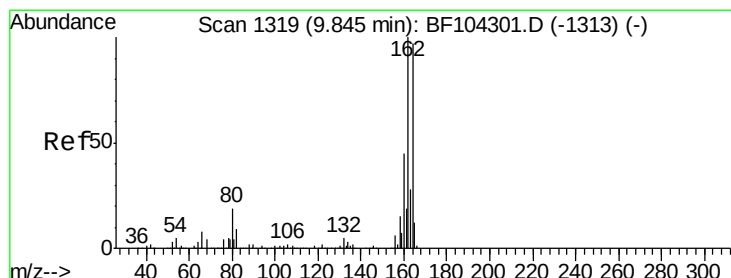
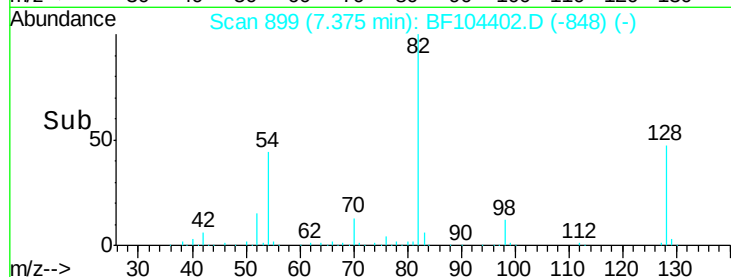
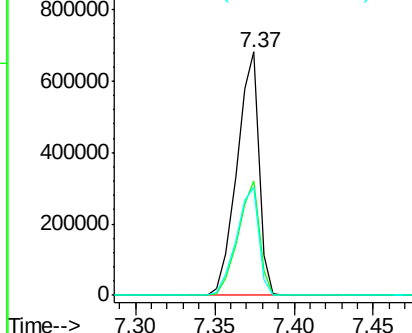
Tot Ion	82	Resp	650341
Ion Ratio	100	Lower	Upper
128	47.2	36.1	54.1
54	44.2	41.4	62.2

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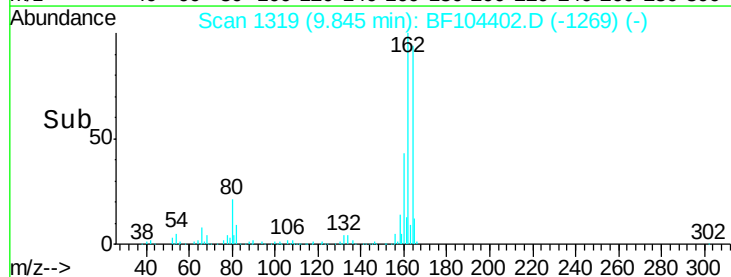
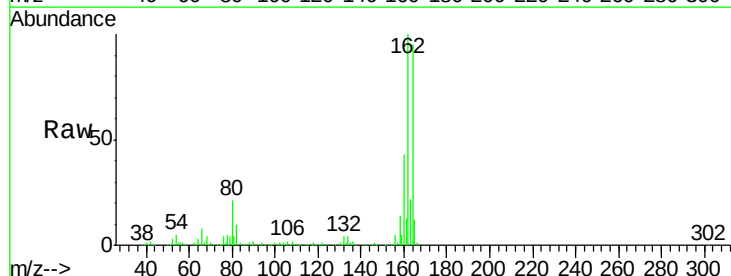
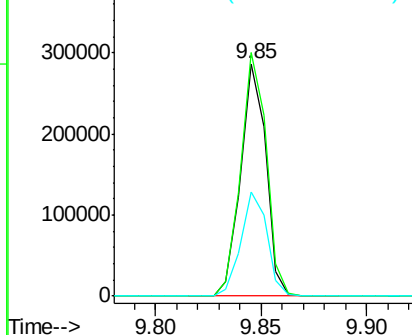
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

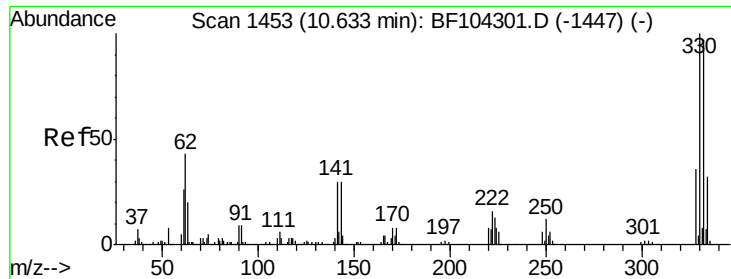


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104402.D
 Acq: 10 Apr 2018 12:22

Tgt Ion	164	Resp	236071
Ion Ratio	100	Lower	Upper
162	104.8	86.1	129.1
160	44.8	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





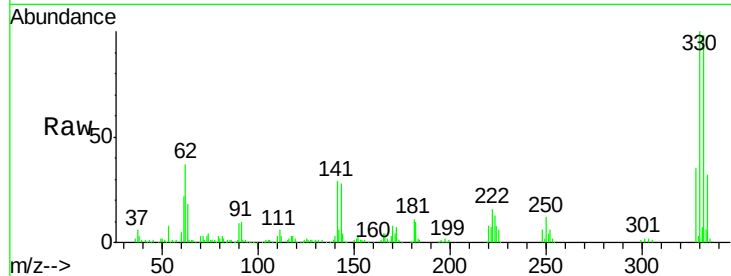
#41
 2,4,6-Tribromophenol
 Concen: 83.067 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104402.D
 Acq: 10 Apr 2018 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	203417		
332	96.8		77.0	115.6
141	35.1		29.9	44.9

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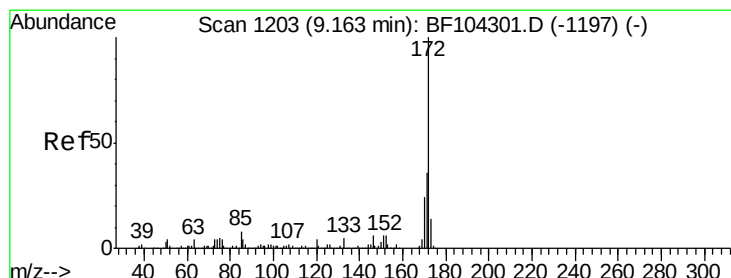
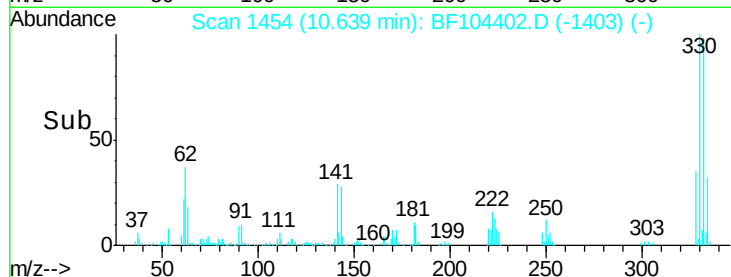
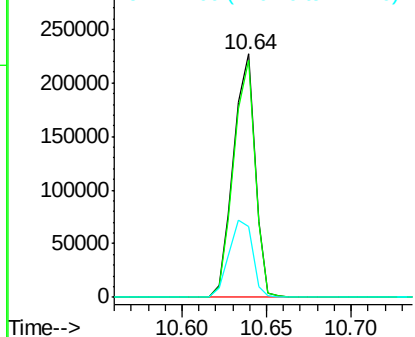


Abundance

Ion 329.80 (329.50 to 330.50): E

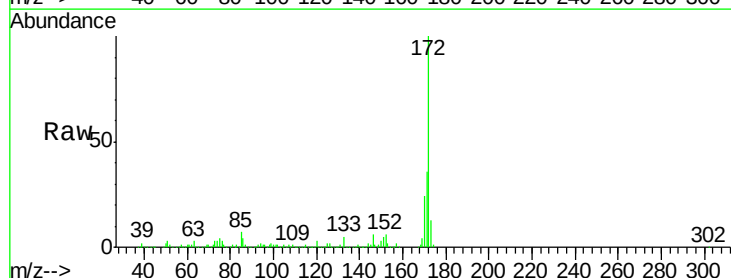
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 58.850 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF104402.D
 Acq: 10 Apr 2018 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	879434		
171	36.1		29.7	44.5
170	23.9		19.6	29.4

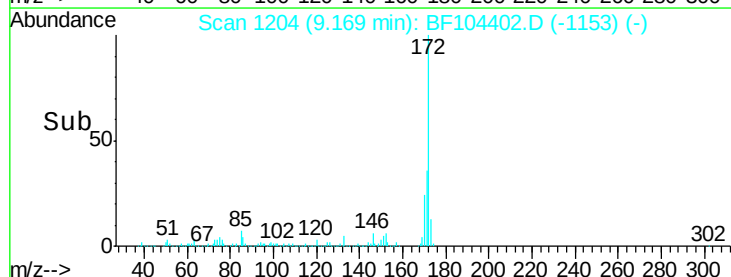
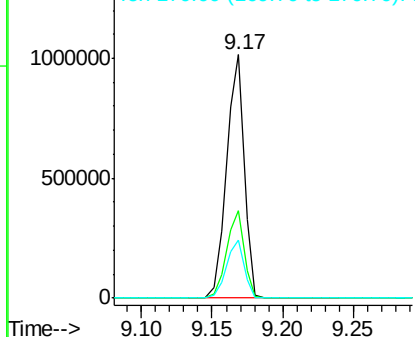


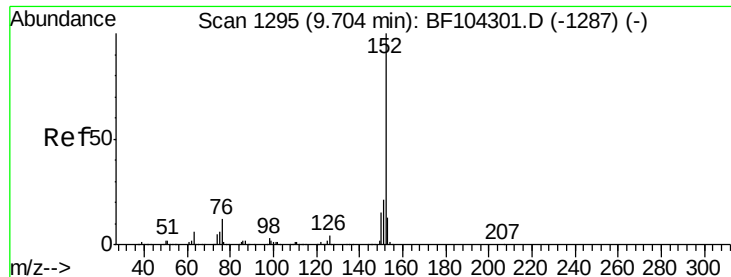
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 8.885 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

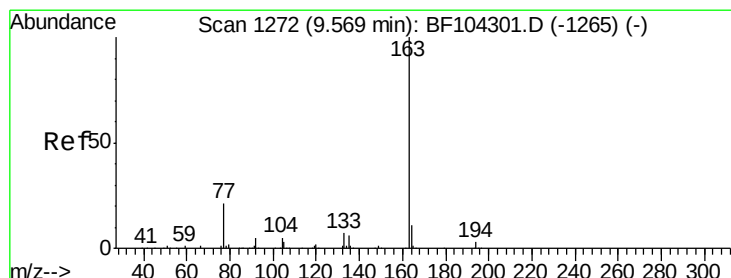
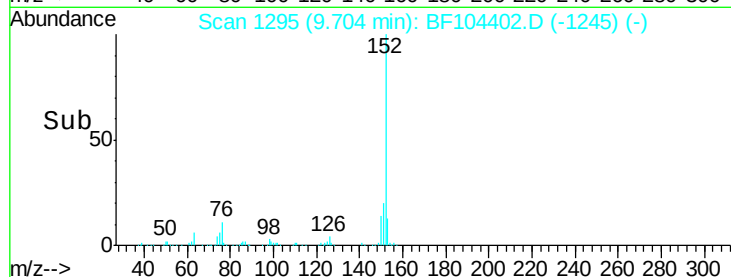
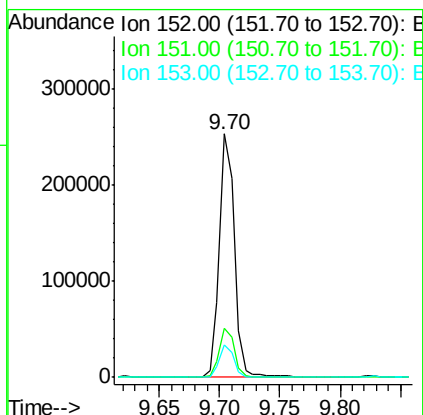
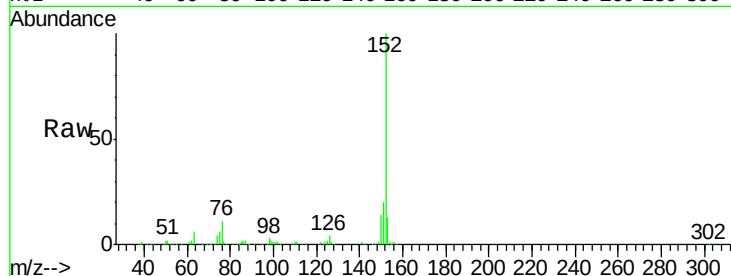
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	152	Resp:	218365
Ion Ratio		Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.3	10.7	16.1

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#49

Dimethylphthalate

Concen: 7.328 ng

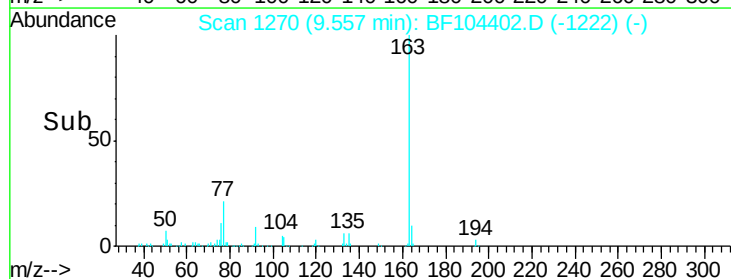
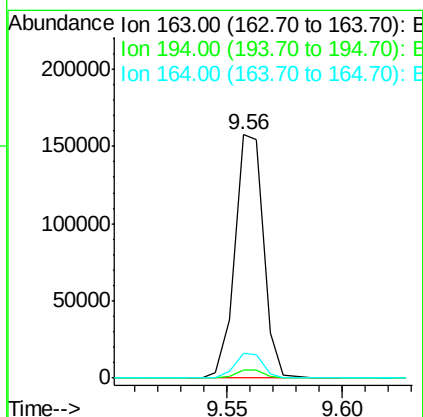
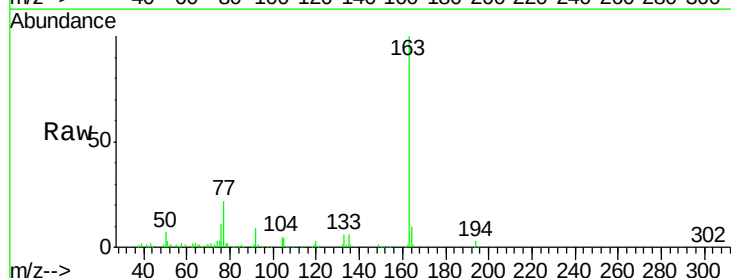
RT: 9.56 min Scan# 1270

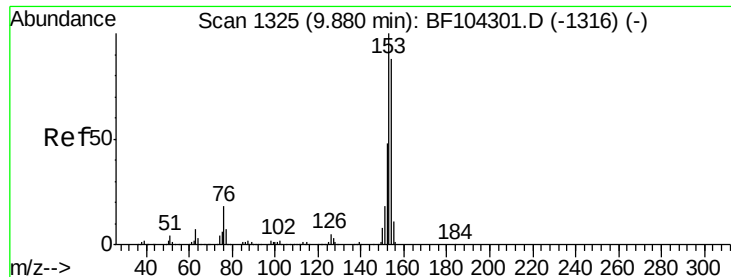
Delta R.T. -0.02 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Tgt Ion:	163	Resp:	136424
Ion Ratio		Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2





#51

Acenaphthene

Concen: 5.219 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

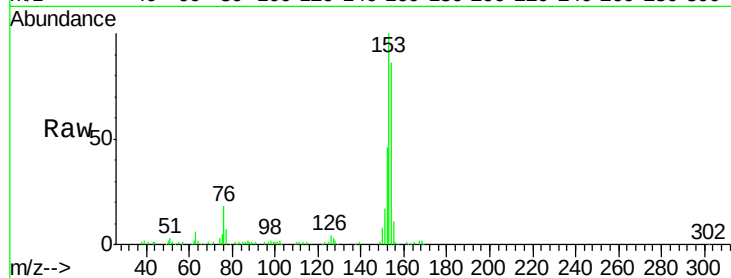
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2

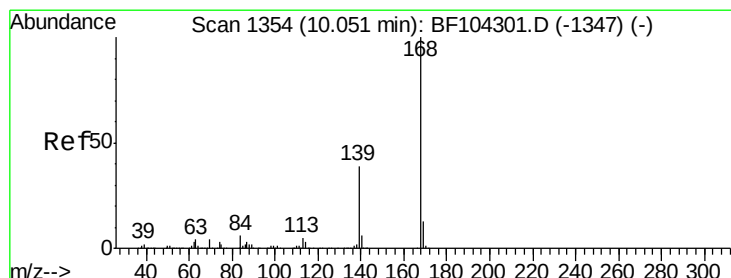
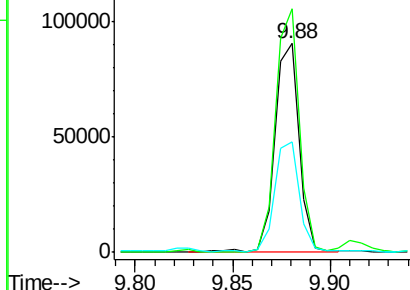
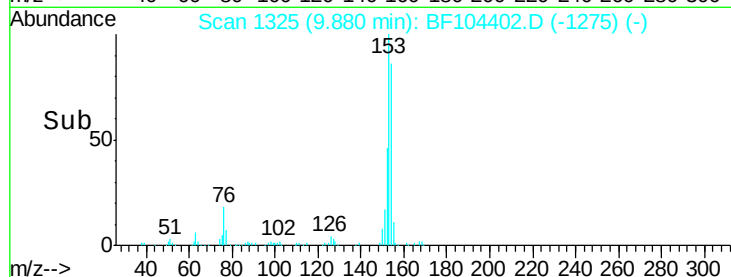
Tot Ion:154	Resp:	78263
Ion Ratio	Lower	Upper
154	100	
153	116.6	91.2 136.8
152	53.2	43.8 65.8

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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: 2.671 ng

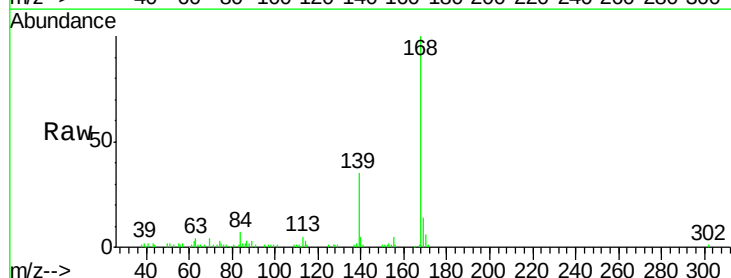
RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

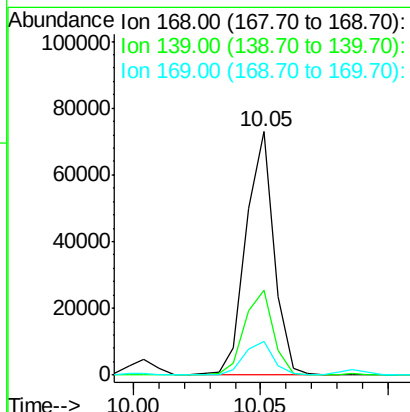
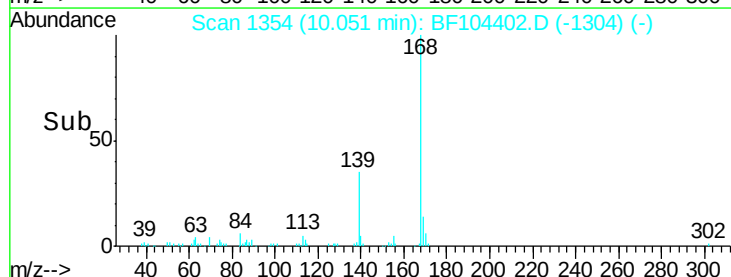
Lab File: BF104402.D

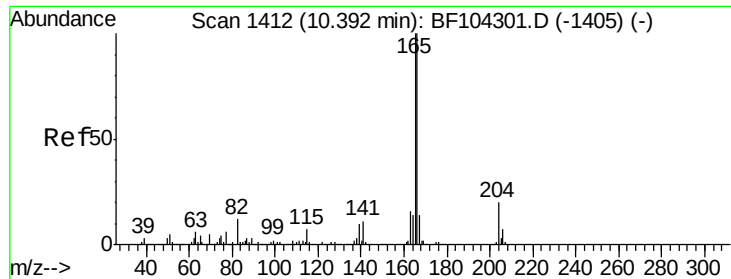
Acq: 10 Apr 2018 12:22

Tgt Ion:168	Resp:	55810
Ion Ratio	Lower	Upper
168	100	
139	35.0	30.1 45.1
169	14.0	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: 6.729 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104402.D
 Acq: 10 Apr 2018 12:22

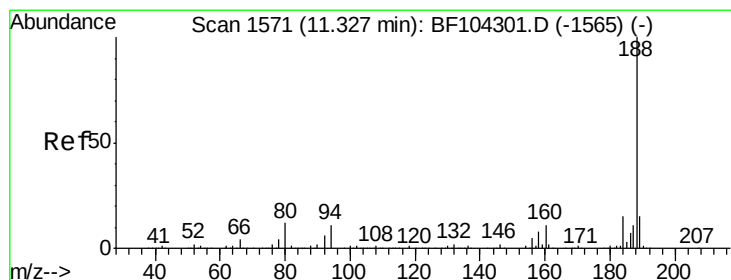
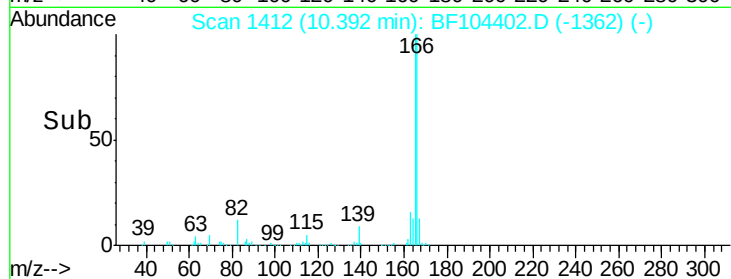
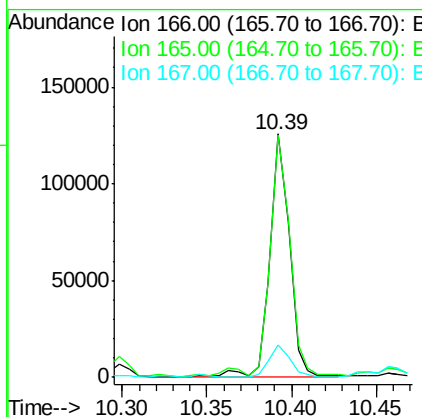
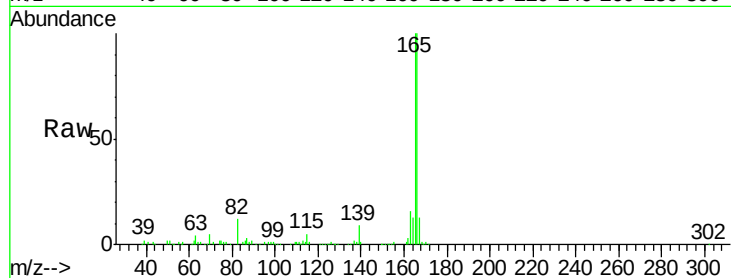
Instrument :
 BNA_F
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 SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	166	Resp:	102353
Ion Ratio	Lower	Upper	
166	100		
165	99.6	79.8	119.8
167	13.3	10.6	16.0

Manual Integrations
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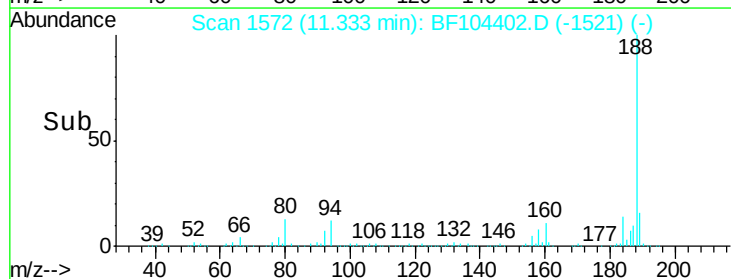
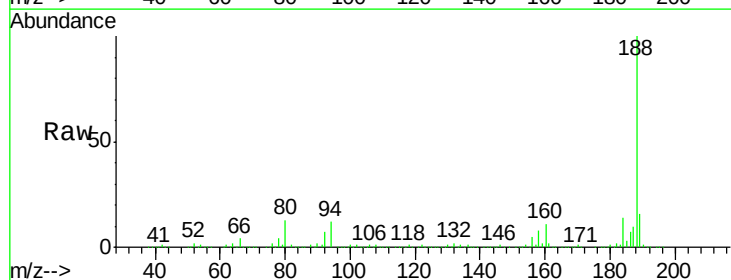
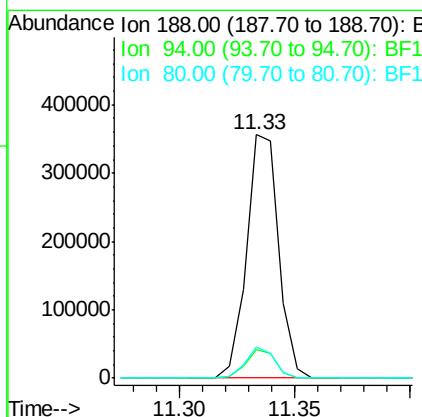
Sohil

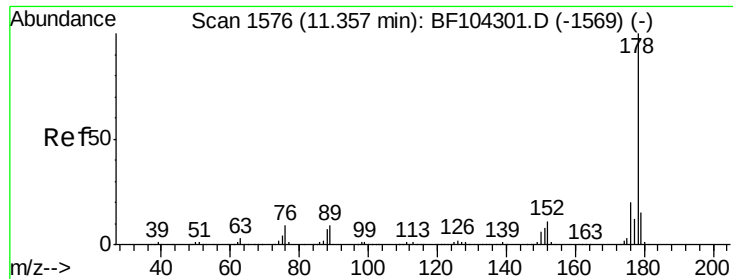
4/11/2018 5:16:54 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104402.D
 Acq: 10 Apr 2018 12:22

Tgt Ion:	188	Resp:	344297
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.5	12.7
80	12.6	9.2	13.8





#70

Phenanthrene

Concen: 55.711 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:178 Resp: 1068177

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

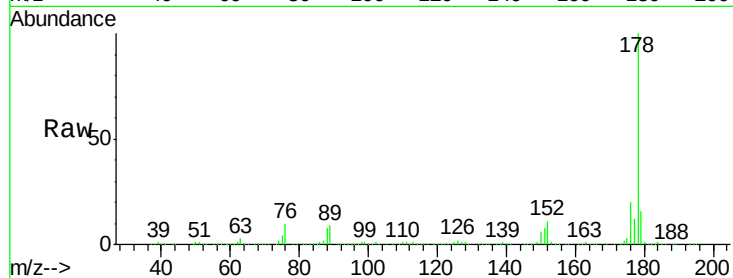
179 15.7 13.0 19.6

Manual Integrations

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Sohil

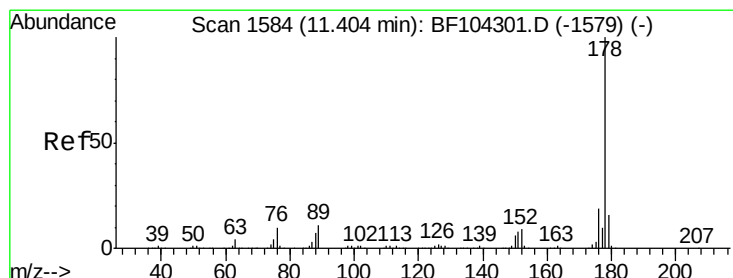
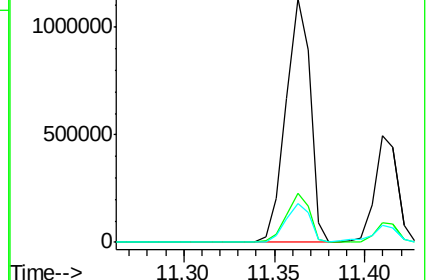
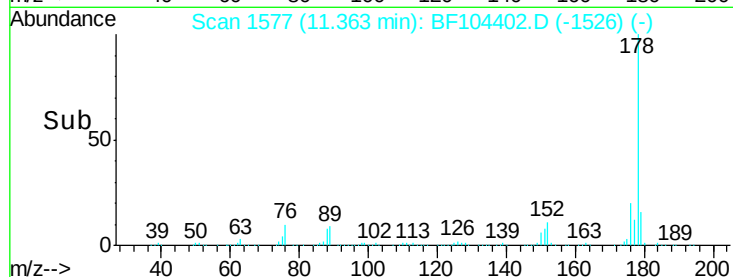
4/11/2018 5:16:54 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 21.841 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

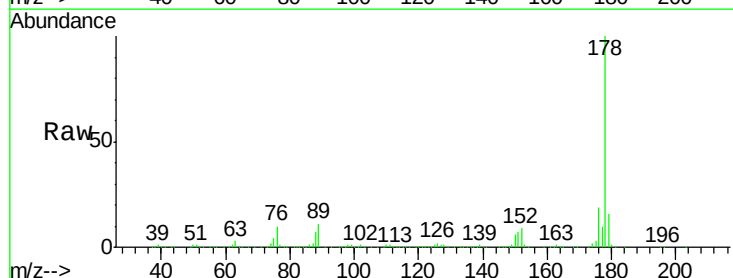
Tgt Ion:178 Resp: 425679

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

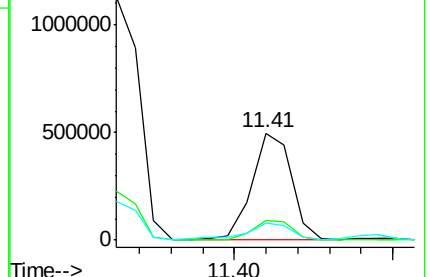
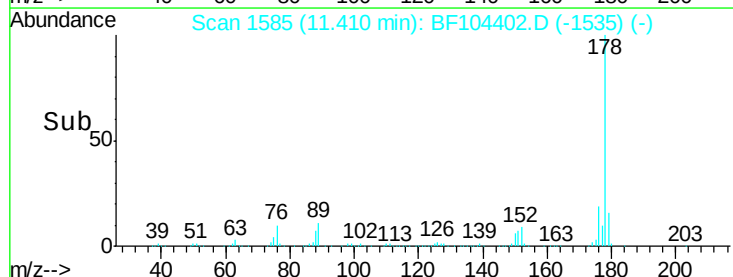
179 15.8 12.6 19.0

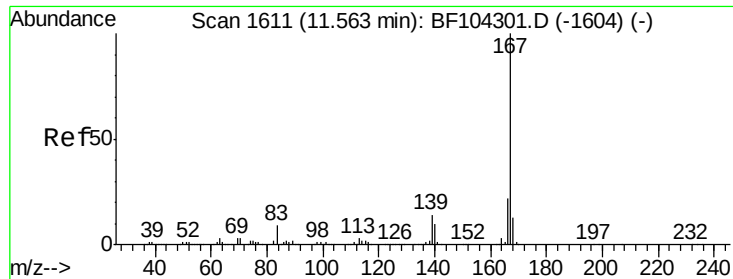


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.084 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

ClientSampleId :

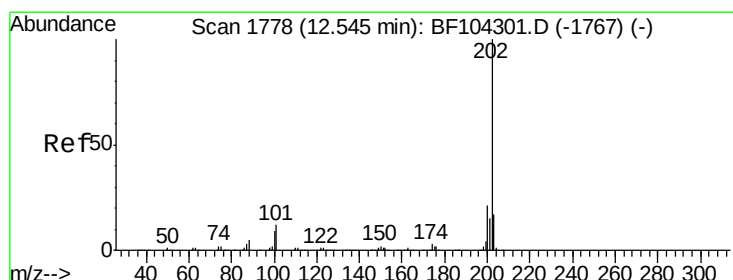
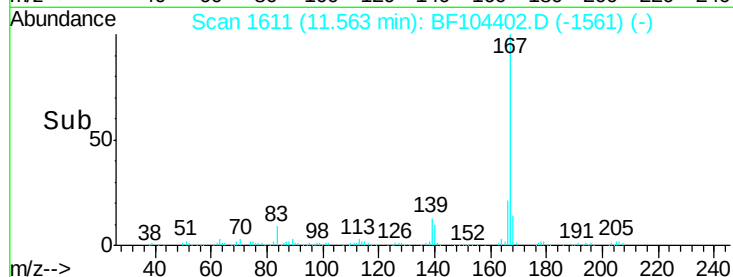
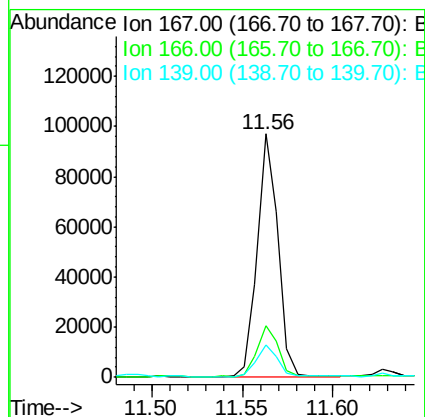
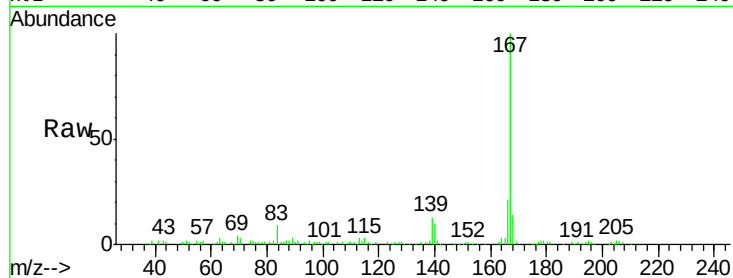
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	167	Resp:	77775
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.6	26.4
139	13.2	10.9	16.3

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#74

Fluoranthene

Concen: 80.444 ng

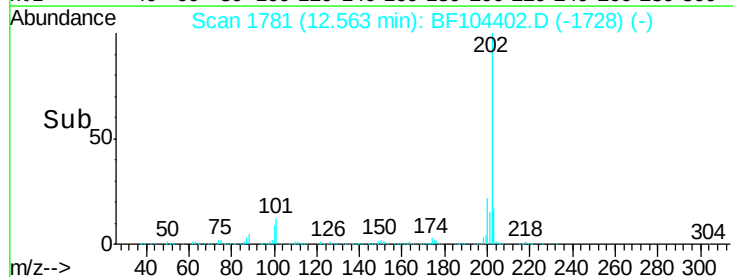
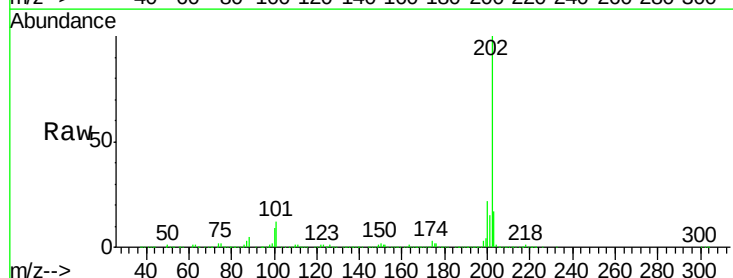
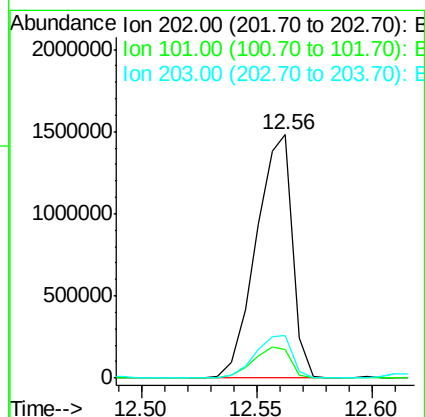
RT: 12.56 min Scan# 1781

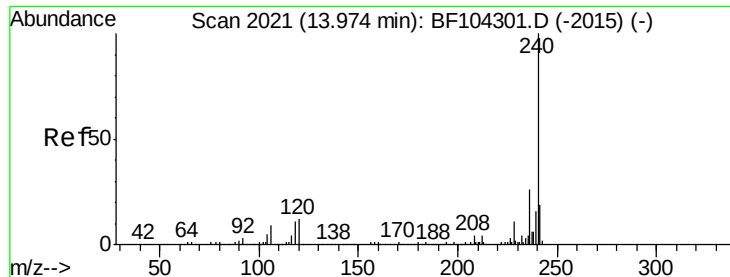
Delta R.T. 0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Tgt Ion:	202	Resp:	1611521
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.1
203	17.4	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: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

ClientSampleId :

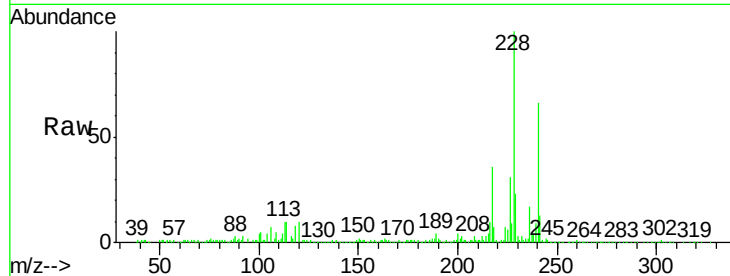
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	240	Resp:	262957
Ion Ratio	Lower	Upper	
240	100		
120	15.0	9.5	14.3#
236	25.8	20.7	31.1

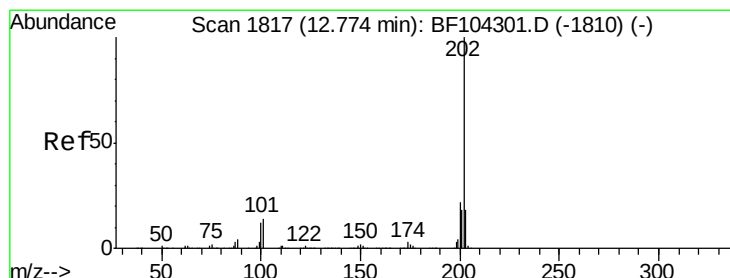
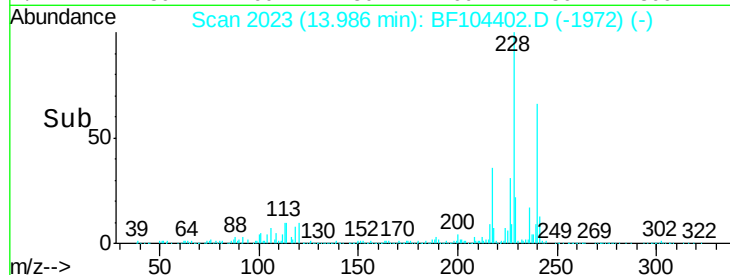
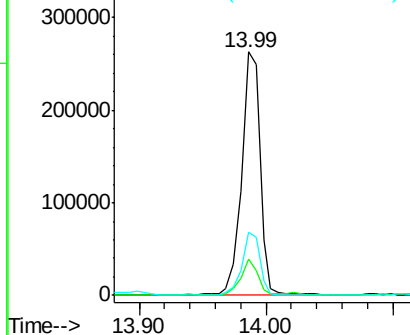
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 75.001 ng

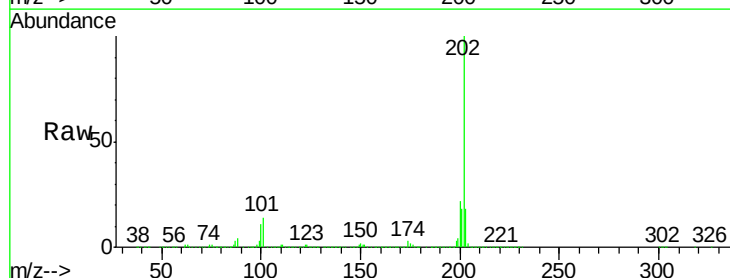
RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

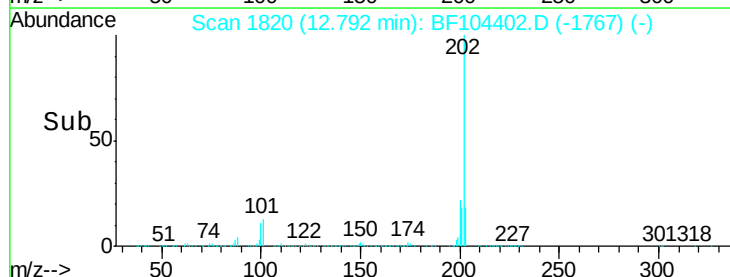
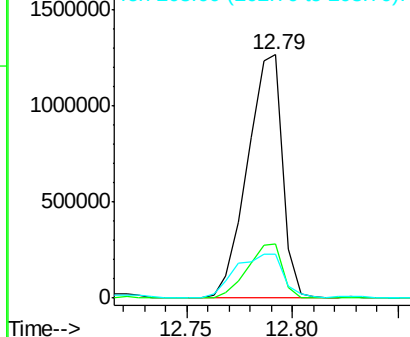
Lab File: BF104402.D

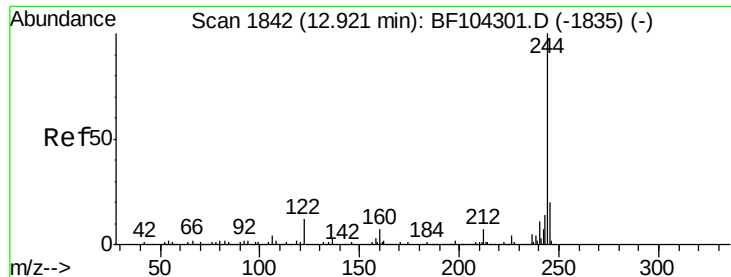
Acq: 10 Apr 2018 12:22

Tgt Ion:	202	Resp:	1461862
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	17.8	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





#78

Terphenyl-d14

Concen: 50.638 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Instrument :

BNA_F

ClientSampleId :

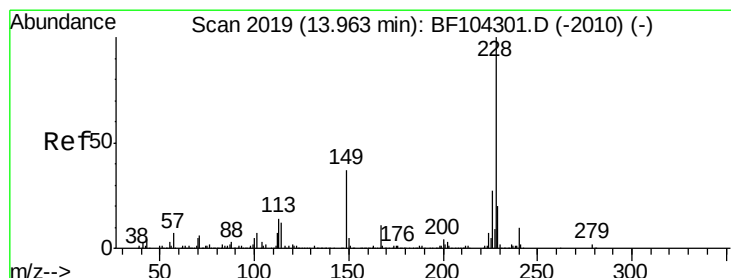
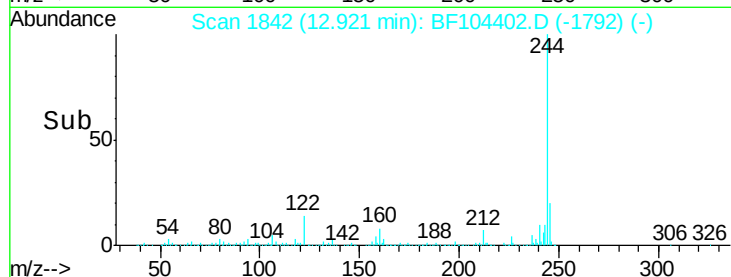
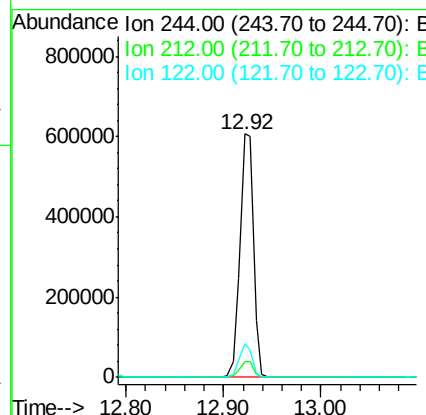
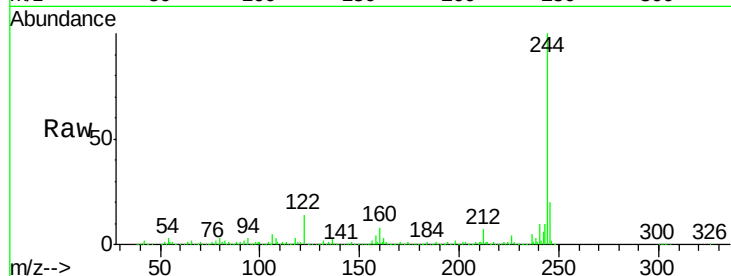
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	244	Resp:	584062
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	13.9	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 62.790 ng

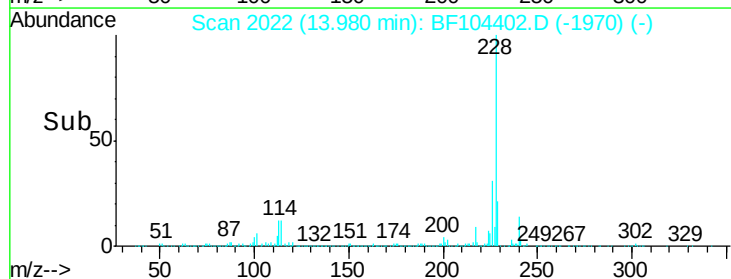
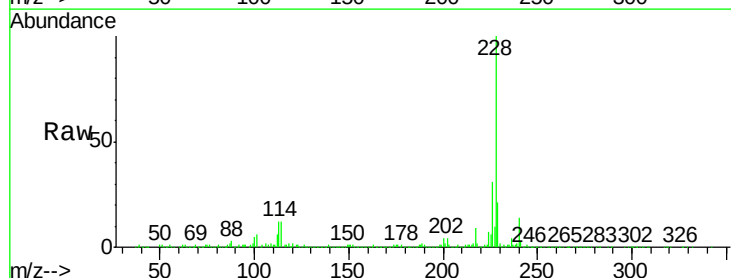
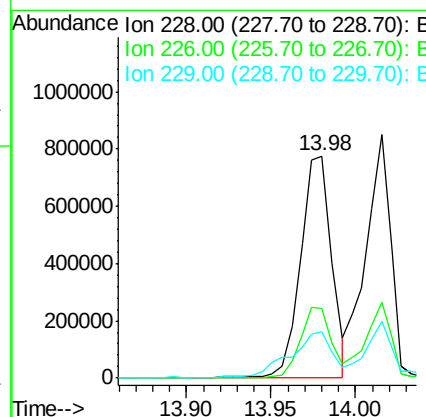
RT: 13.98 min Scan# 2022

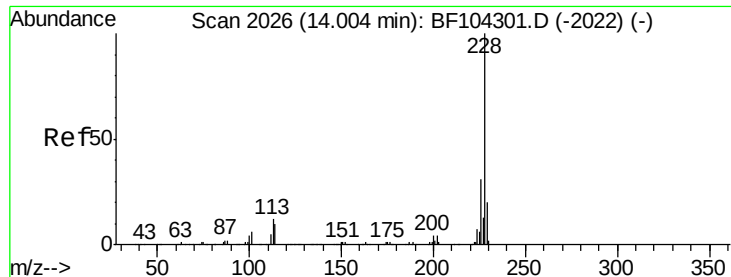
Delta R.T. 0.01 min

Lab File: BF104402.D

Acq: 10 Apr 2018 12:22

Tgt Ion:	228	Resp:	986383
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.6	33.8
229	21.2	15.8	23.6





#82
Chrysene
Concen: 54.158 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

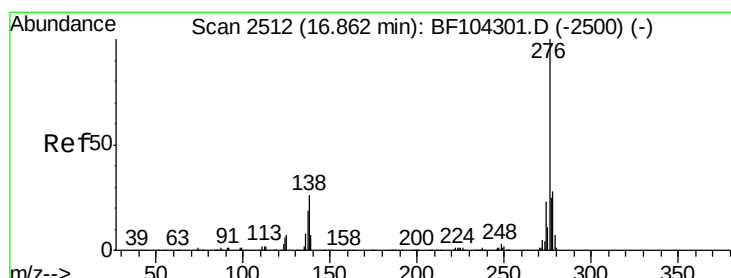
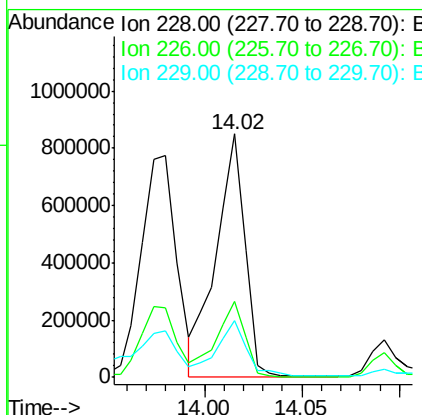
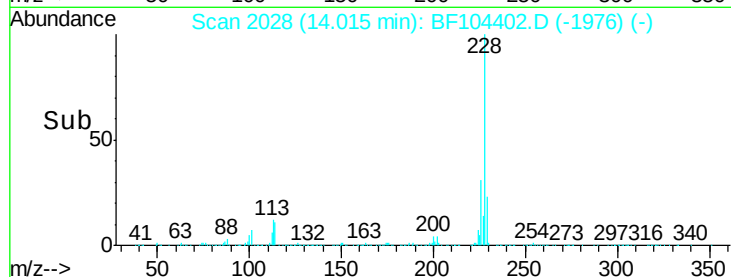
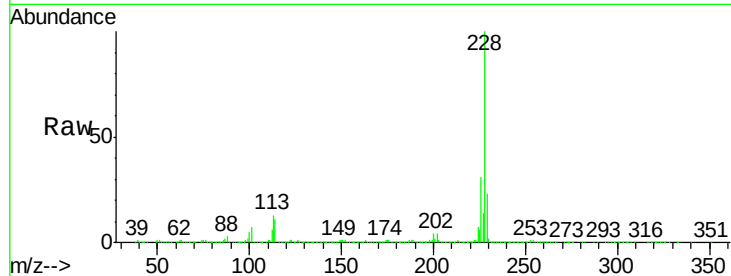
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	228	Resp:	873881
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	23.2	16.2	24.4

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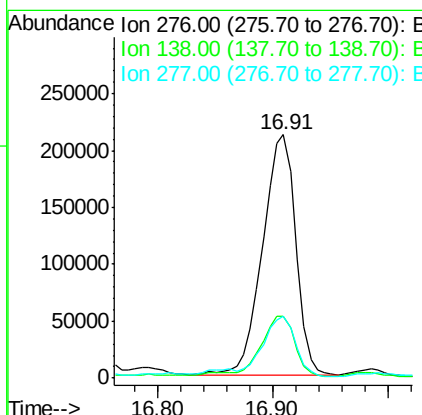
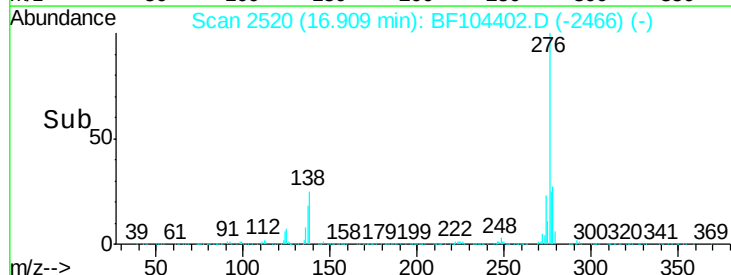
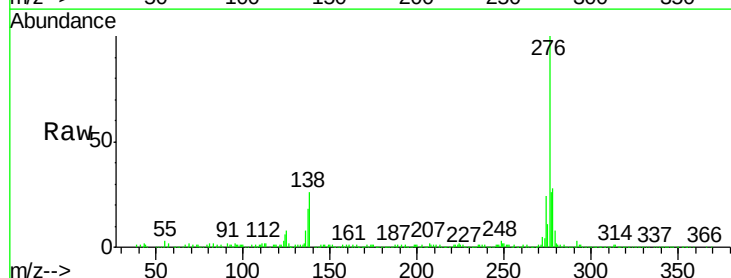
Sohil

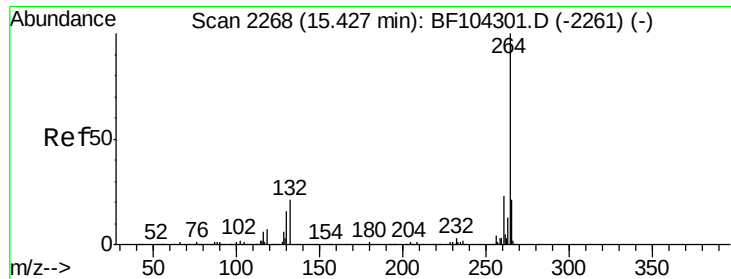
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#85
Indeno(1,2,3-cd)pyrene
Concen: 30.939 ng m
RT: 16.91 min Scan# 2520
Delta R.T. 0.02 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

Tgt Ion:	276	Resp:	424085
Ion Ratio	Lower	Upper	
276	100		
138	5.4	25.0	37.6#
277	5.2	20.1	30.1#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

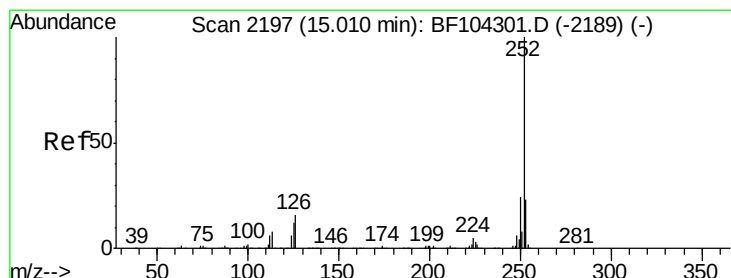
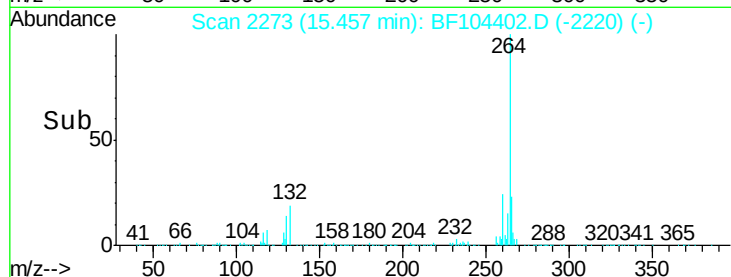
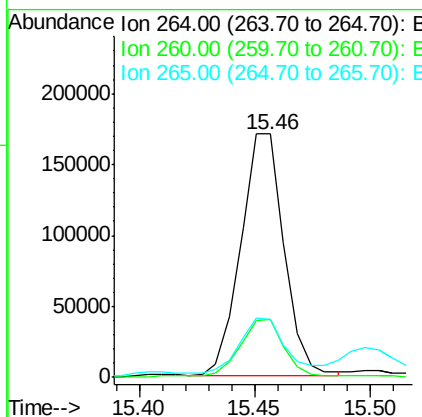
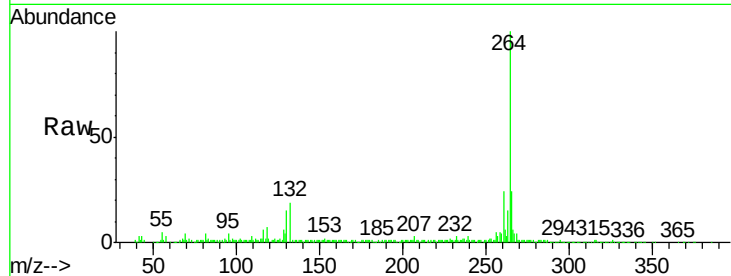
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion:	264	Resp:	223174
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	23.8	17.5	26.3

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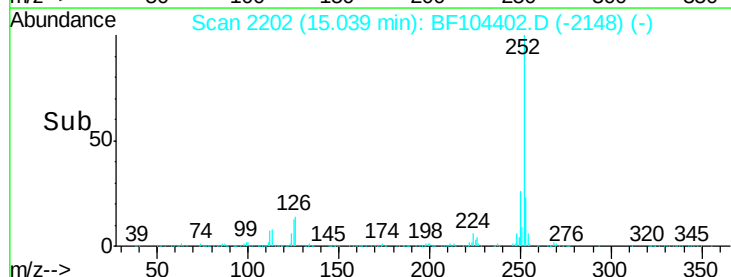
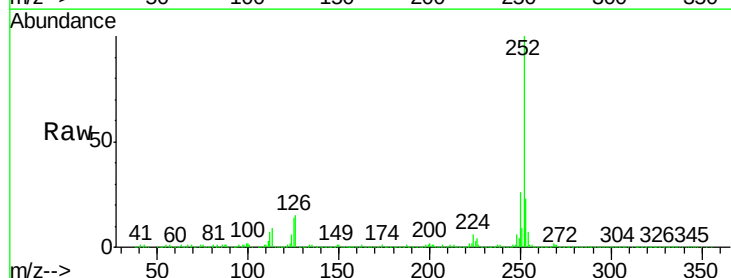
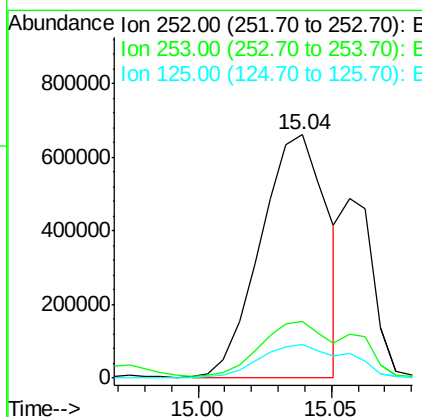
Sohil

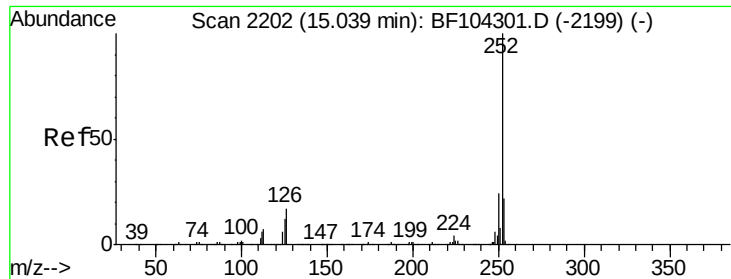
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#87
Benzo(b)fluoranthene
Concen: 81.604 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

Tgt Ion:	252	Resp:	1150234
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	13.7	9.0	13.6#





#88
Benzo(k)fluoranthene
Concen: 29.749 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

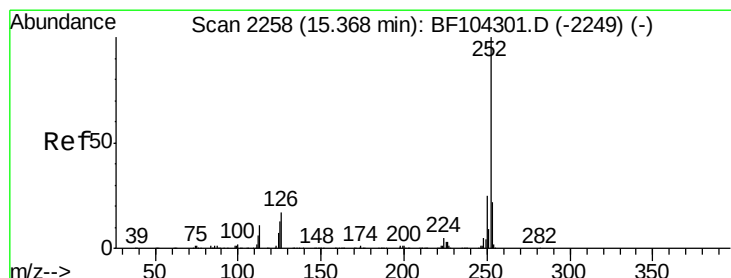
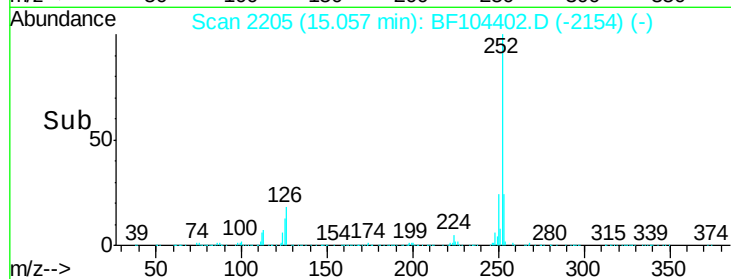
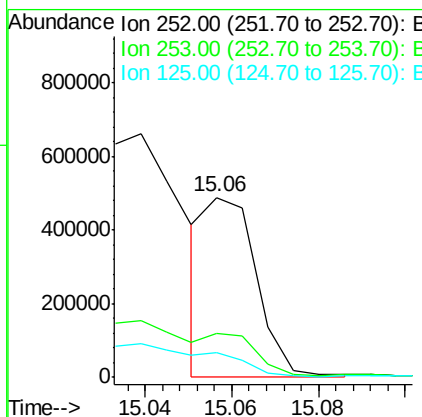
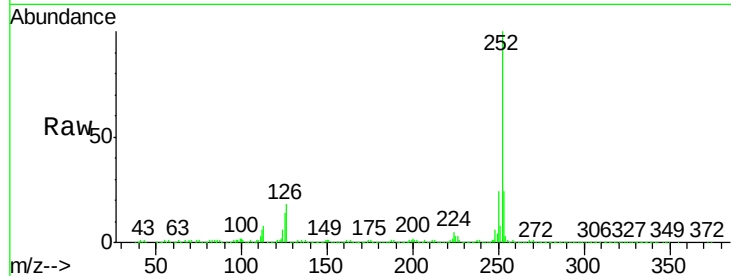
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	13.5	10.2	15.2

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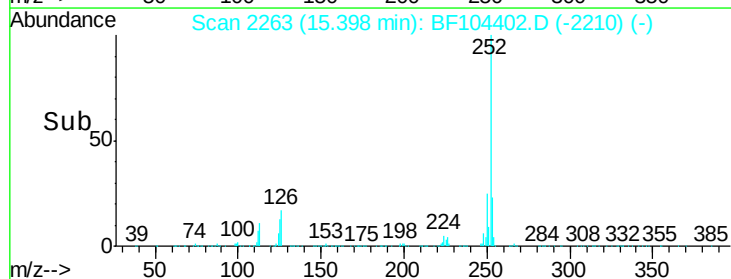
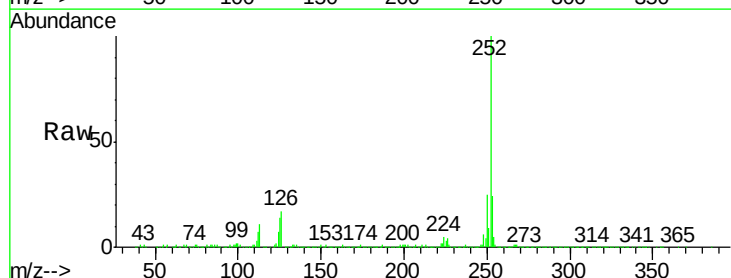
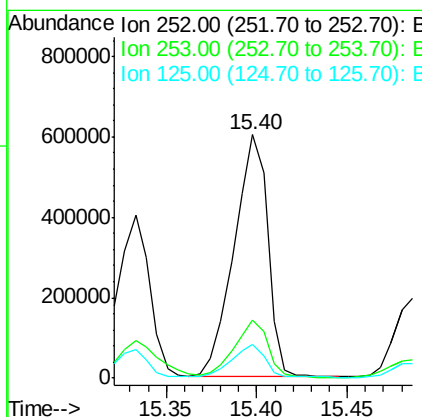
Sohil

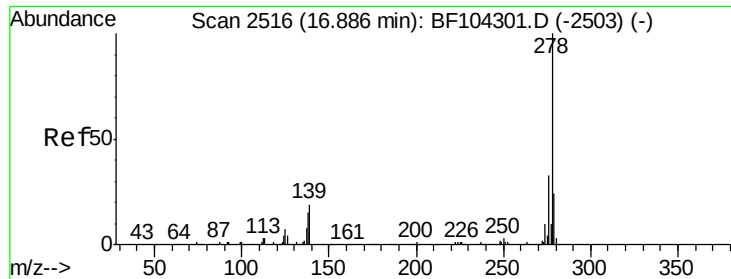
4/11/2018 5:16:54 PM



#89
Benzo(a)pyrene
Concen: 61.665 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.7	9.8	14.6





#90
Dibenzo(a,h)anthracene
Concen: 11.058 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

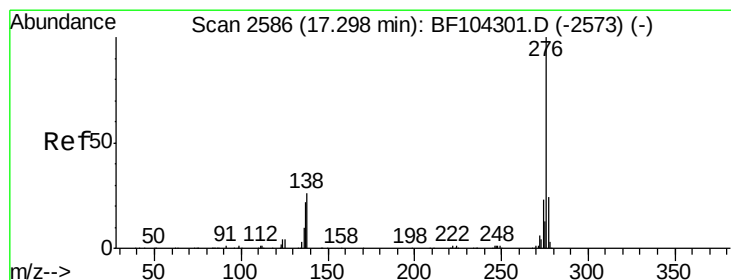
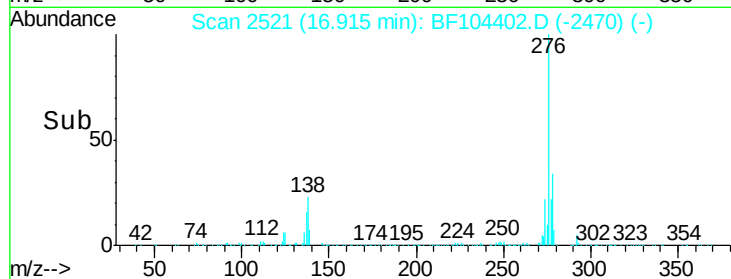
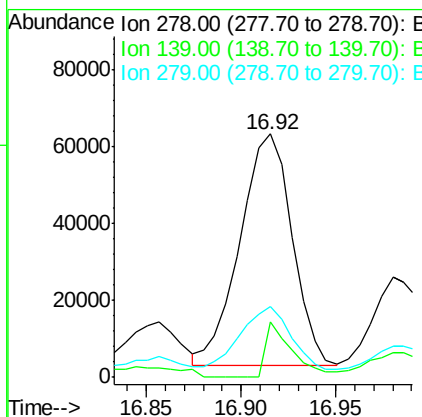
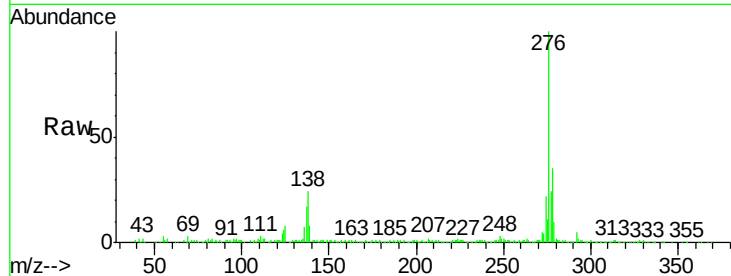
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.7	15.9	23.9
279	28.9	19.0	28.4

Manual Integrations
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Sohil

4/11/2018 5:16:54 PM



#91
Benzo(g,h,i)perylene
Concen: 36.401 ng
RT: 17.35 min Scan# 2595
Delta R.T. 0.01 min
Lab File: BF104402.D
Acq: 10 Apr 2018 12:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	25.2	21.8	32.8

