

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104422.D
 Acq On : 10 Apr 2018 22:05
 Operator : JU/SJ
 Sample : J2270-03DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 4/11/2018 5:17:14 PM

Quant Time: Apr 11 01:37:05 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	138766	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	549038	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	226184	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	334406	20.00	ng	0.00
75) Chrysene-d12	13.98	240	272727	20.00	ng	0.00
86) Perylene-d12	15.45	264	199892	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	453448	49.97	ng	0.00
7) Phenol-d6	6.43	99	557307	49.98	ng	-0.01
23) Nitrobenzene-d5	7.37	82	327514	38.95	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	98156	41.83	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	473584	33.08	ng	0.00
78) Terphenyl-d14	12.92	244	312909	26.16	ng	0.00
Target Compounds						
48) Acenaphthylene	9.70	152	110345	4.686	ng	97
49) Dimethylphthalate	9.56	163	66468	3.727	ng	100
51) Acenaphthene	9.87	154	36848	2.565	ng	99
57) Fluorene	10.39	166	47423	3.254	ng	100
70) Phenanthrene	11.36	178	558265	29.977	ng	100
71) Anthracene	11.41	178	215476	11.383	ng	98
74) Fluoranthene	12.55	202	907935	46.663	ng	99
77) Pyrene	12.78	202	819340	40.530	ng	99
80) Benzo(a)anthracene	13.97	228	520039	31.918	ng	96
82) Chrysene	14.01	228	465741	27.830	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	205870m	14.481	ng	
87) Benzo(b)fluoranthene	15.03	252	557802m	44.183	ng	
88) Benzo(k)fluoranthene	15.05	252	176675m	14.823	ng	
89) Benzo(a)pyrene	15.39	252	368280	32.602	ng	96
90) Dibenzo(a,h)anthracene	16.90	278	56541m	6.094	ng	
91) Benzo(g,h,i)perylene	17.33	276	176347	19.620	ng	96

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

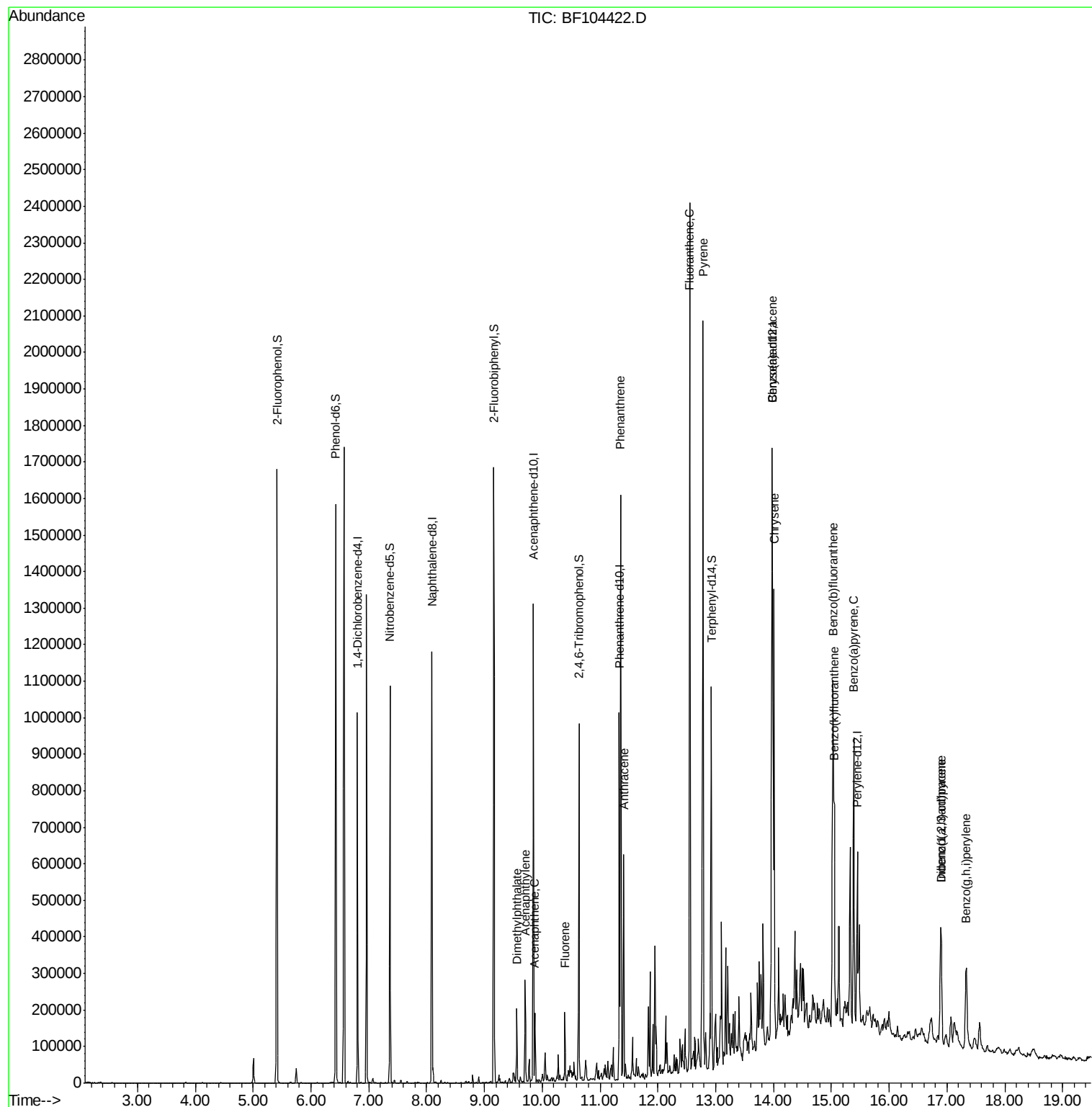
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104422.D
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ALS Vial : 27 Sample Multiplier: 1

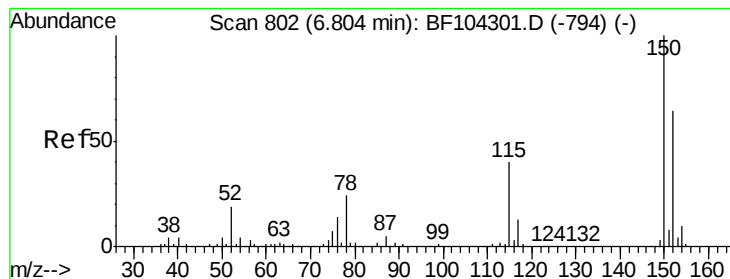
Instrument :
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SOUTHLAWN-PRECHAR-AREA-2DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

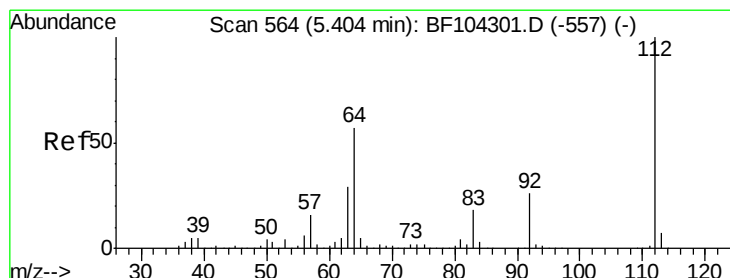
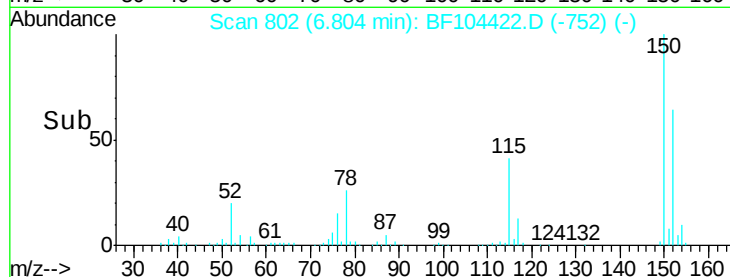
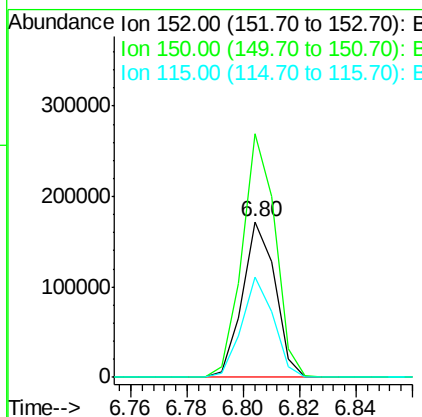
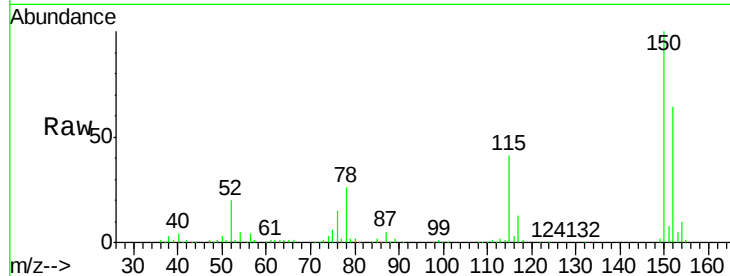
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	64.3	50.1	75.1

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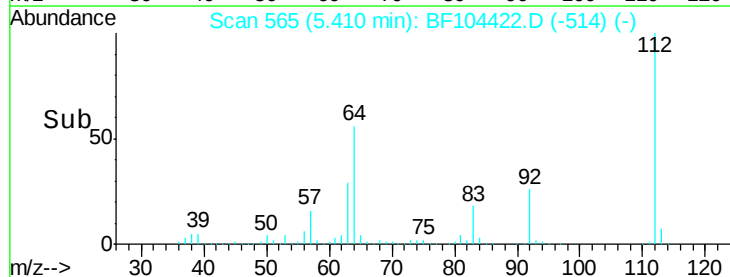
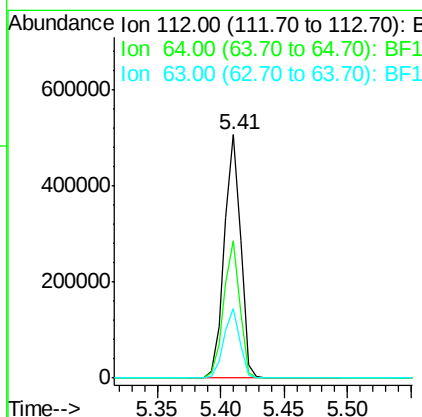
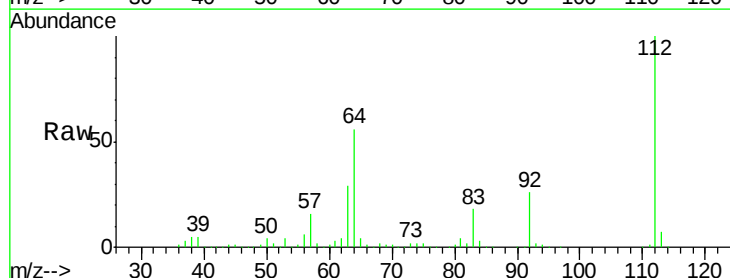
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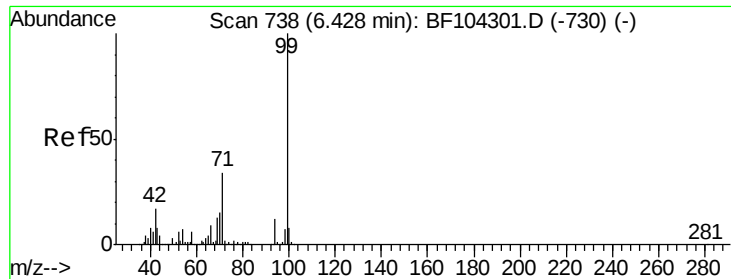


#5

2-Fluorophenol
Concen: 49.965 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 49.980 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Instrument :

BNA_F

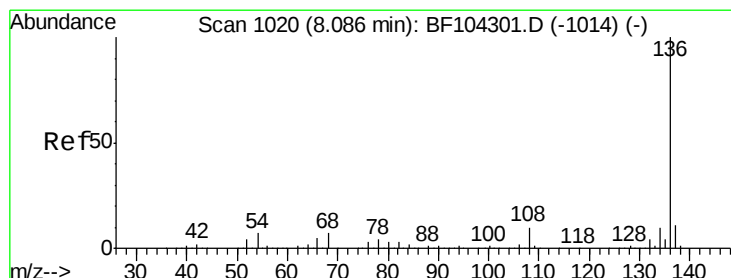
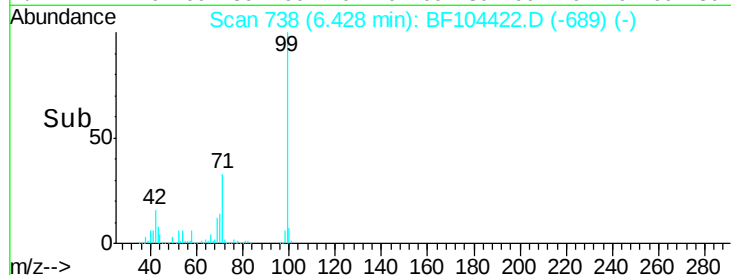
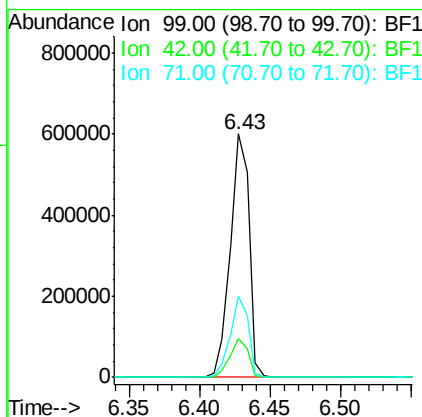
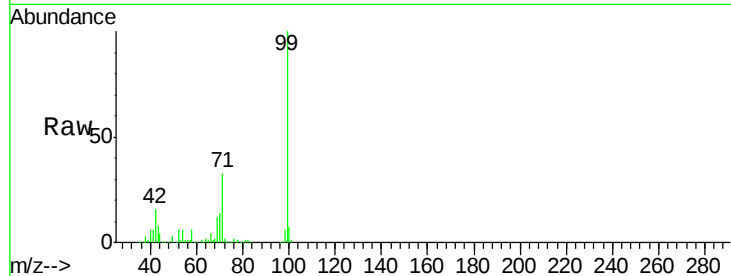
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2DL

Tot Ion:	99	Resp:	557307
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	33.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

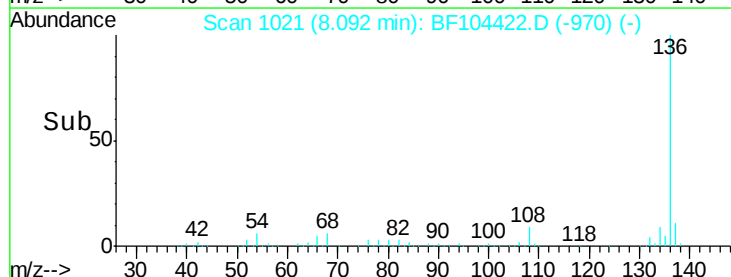
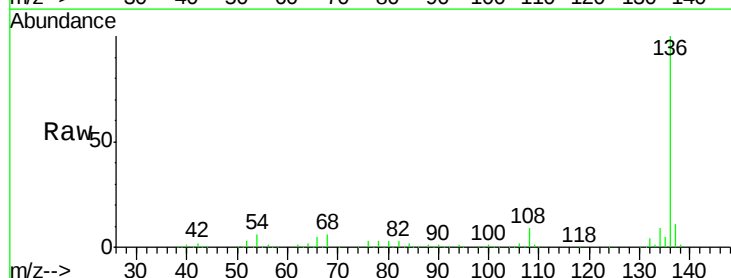
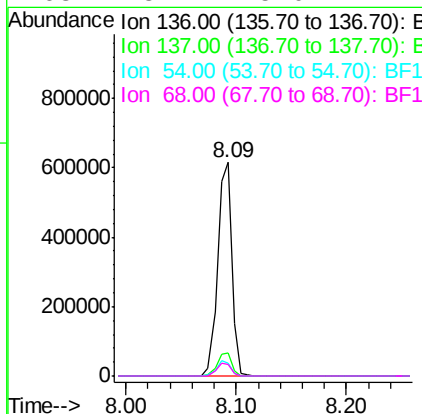
RT: 8.09 min Scan# 1021

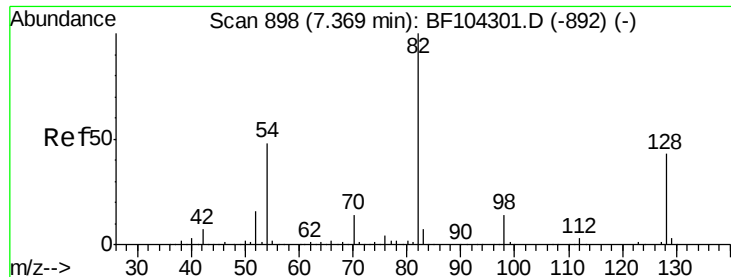
Delta R.T. 0.00 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Tgt Ion:	136	Resp:	549038
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.3	6.6	9.8#
68	5.7	5.0	7.4





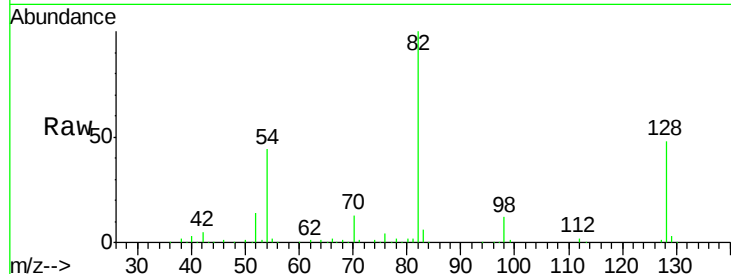
#23
Nitrobenzene-d5
Concen: 38.952 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

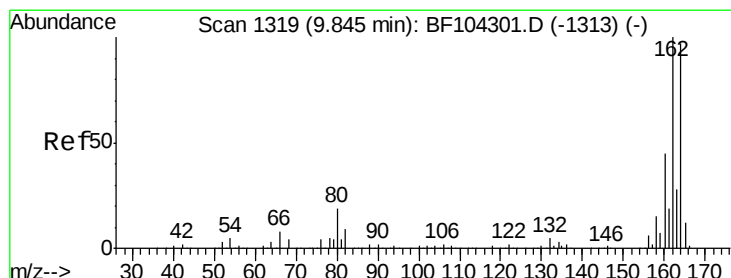
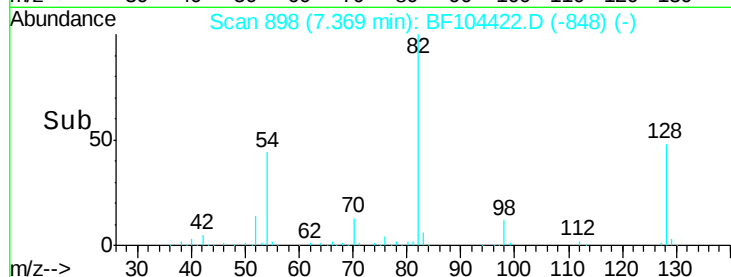
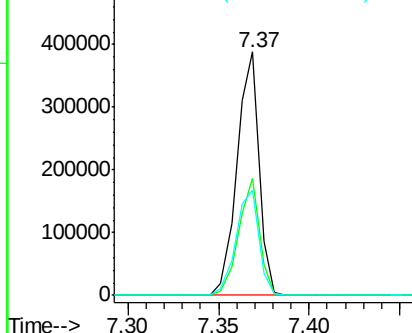
Tot Ion	Ratio	Resp	Lower	Upper
82	100	327514		
128	48.1	36.1	54.1	
54	43.5	41.4	62.2	

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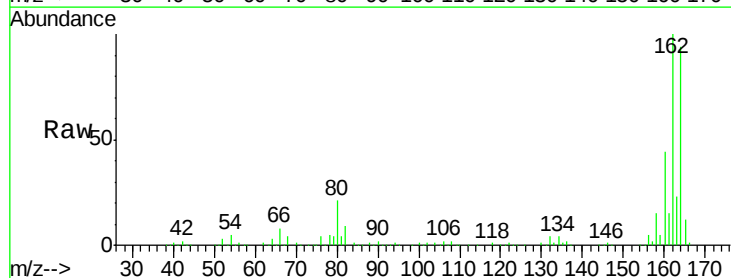


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

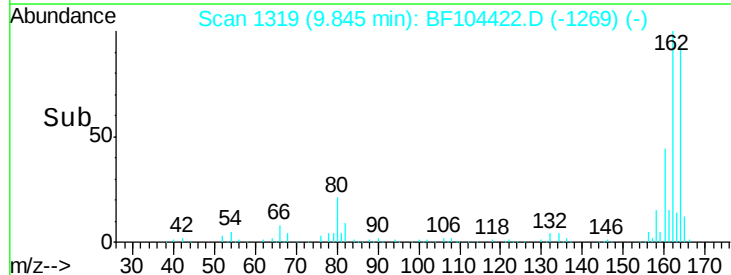
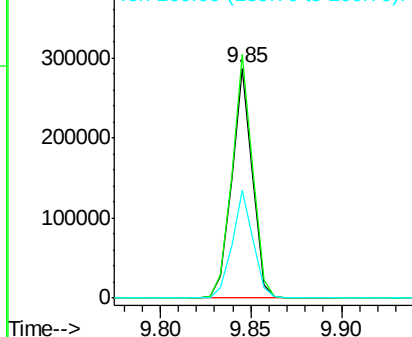


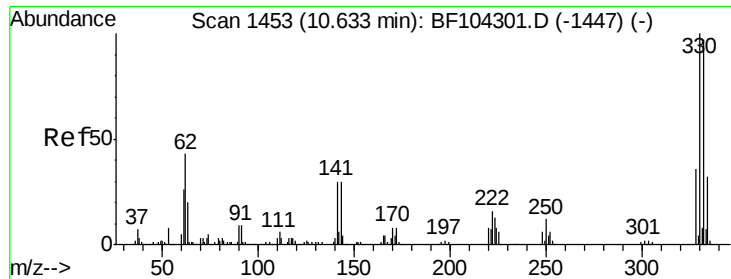
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226184		
162	105.9	86.1	129.1	
160	46.9	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





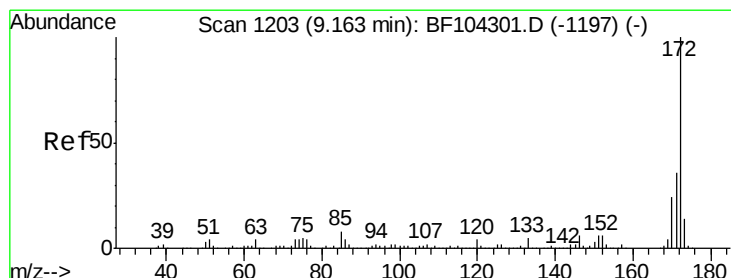
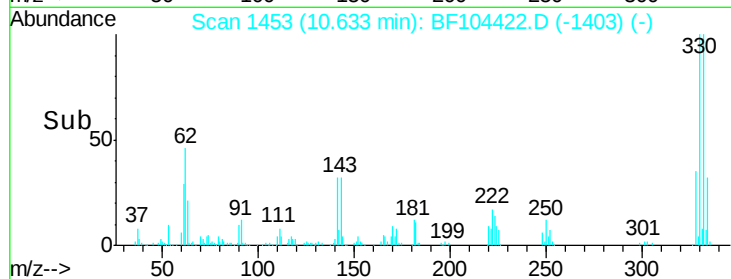
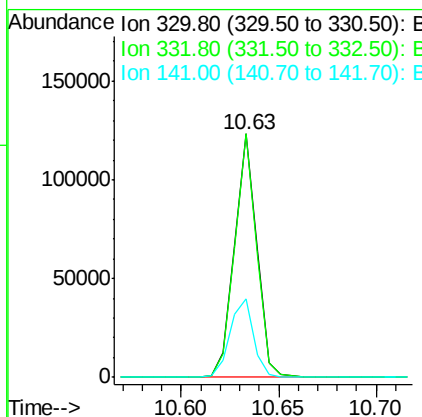
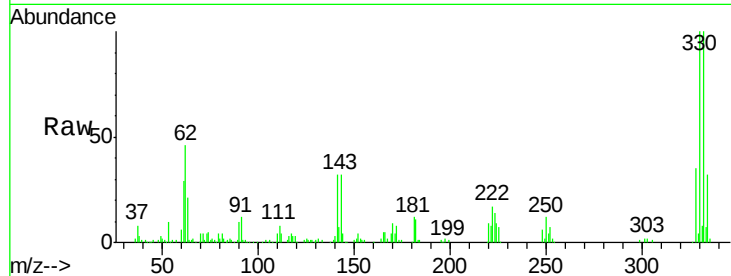
#41
 2,4,6-Tribromophenol
 Concen: 41.835 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104422.D
 Acq: 10 Apr 2018 22:05

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.3	77.0	115.6	
141	34.3	29.9	44.9	

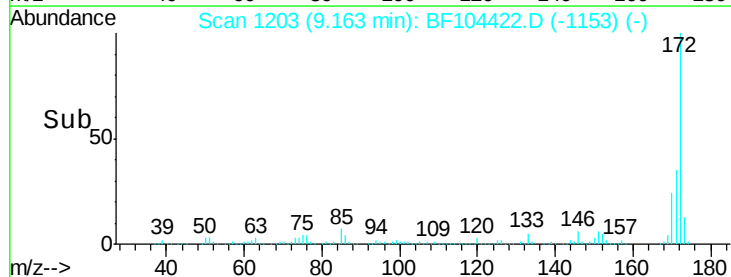
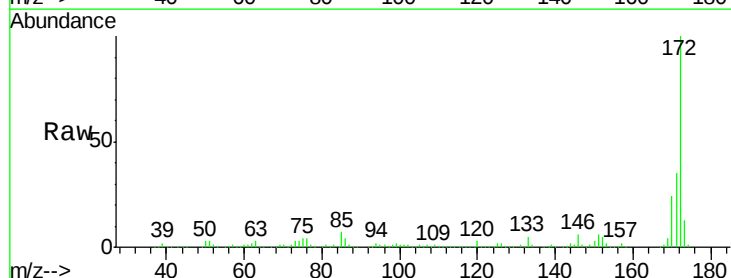
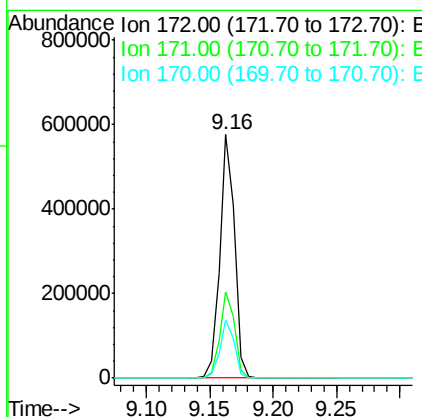
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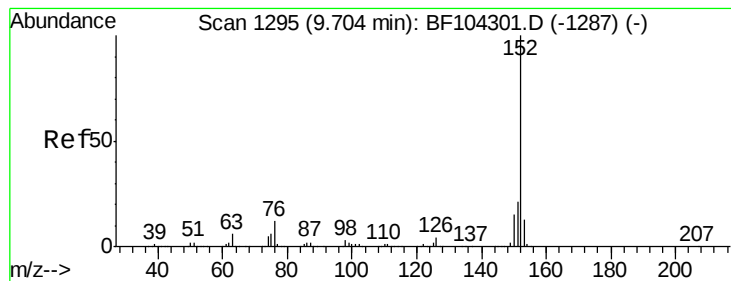
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#44
 2-Fluorobiphenyl
 Concen: 33.077 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104422.D
 Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	23.7	19.6	29.4	





#48

Acenaphthylene

Concen: 4.686 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Instrument :

BNA_F

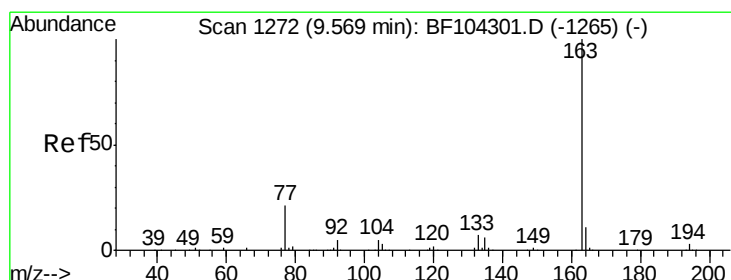
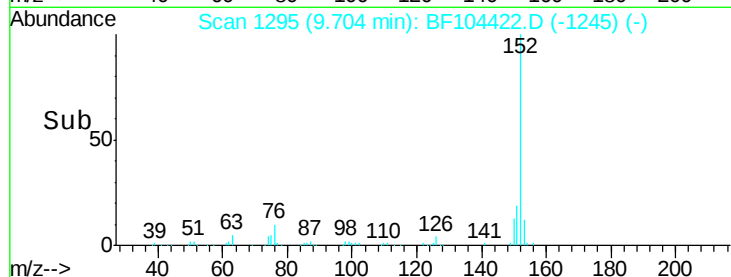
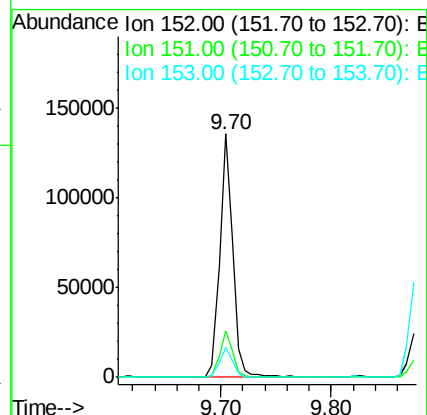
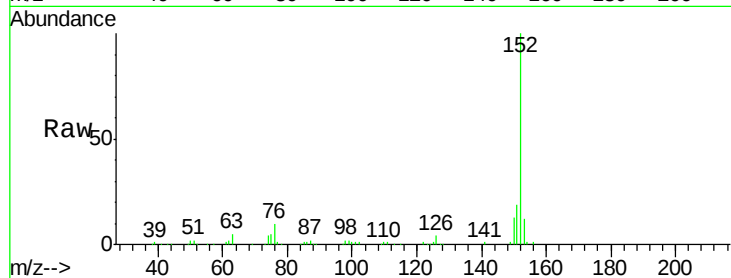
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2DL

Tot Ion:	152	Resp:	110345
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.3	24.5
153	12.4	10.7	16.1

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#49

Dimethylphthalate

Concen: 3.727 ng

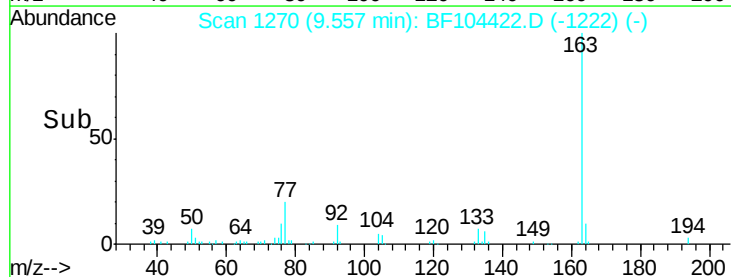
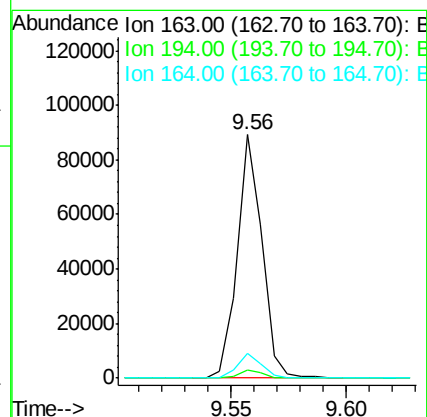
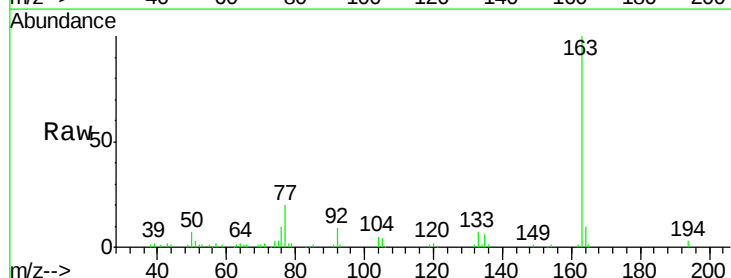
RT: 9.56 min Scan# 1270

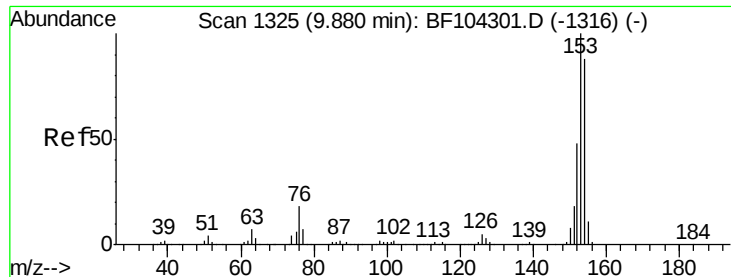
Delta R.T. -0.02 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Tgt Ion:	163	Resp:	66468
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.1	8.2	12.2





#51

Acenaphthene

Concen: 2.565 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Instrument :

BNA_F

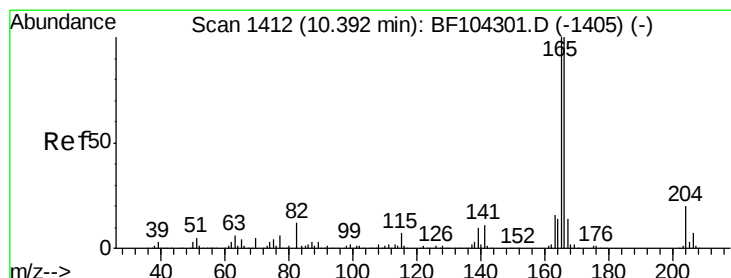
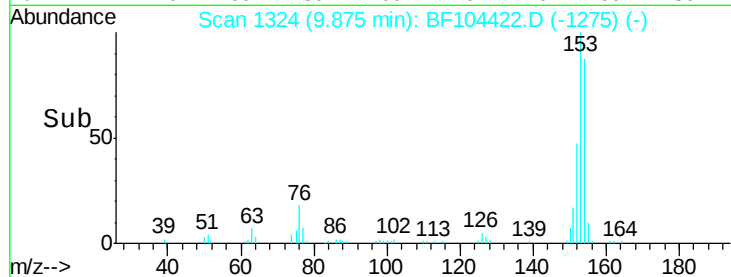
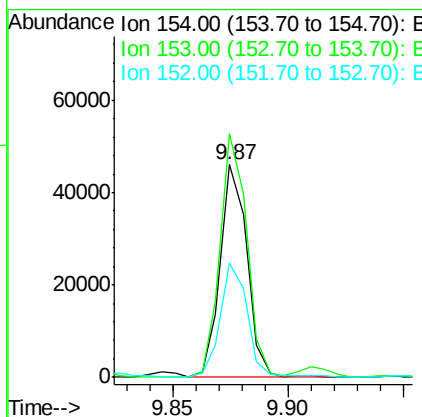
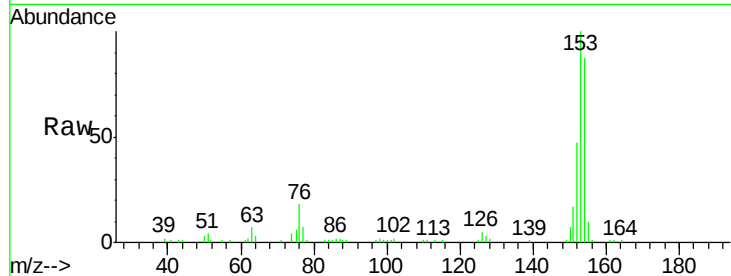
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2DL

Tot Ion:	154	Resp:	36848
Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	53.8	43.8	65.8

Manual Integrations
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#57

Fluorene

Concen: 3.254 ng

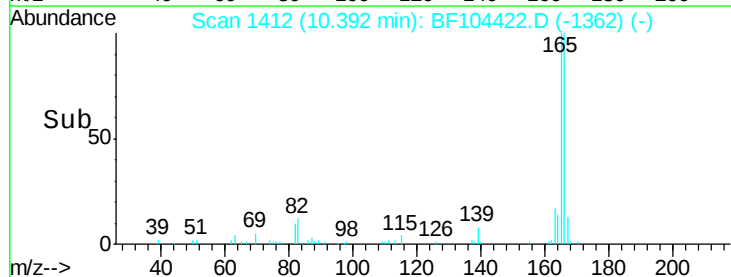
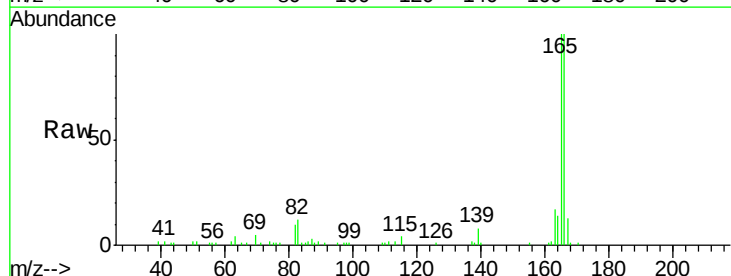
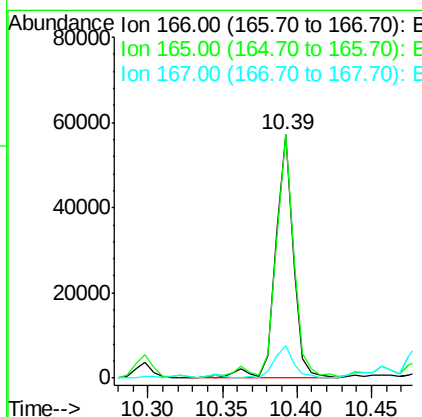
RT: 10.39 min Scan# 1412

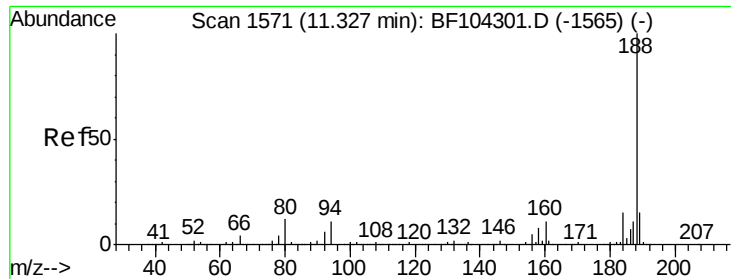
Delta R.T. -0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Tgt Ion:	166	Resp:	47423
Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	13.5	10.6	16.0





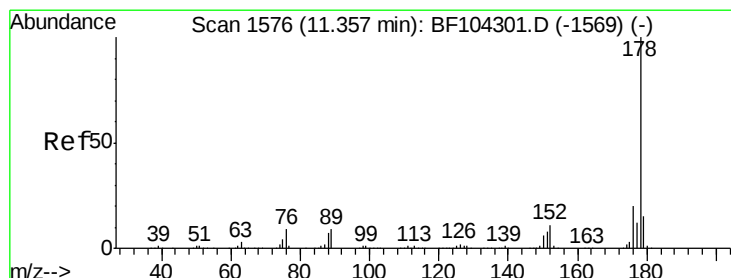
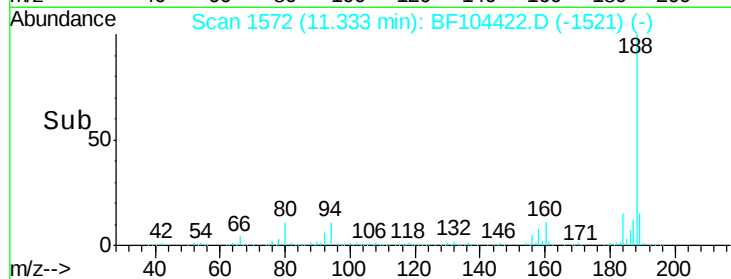
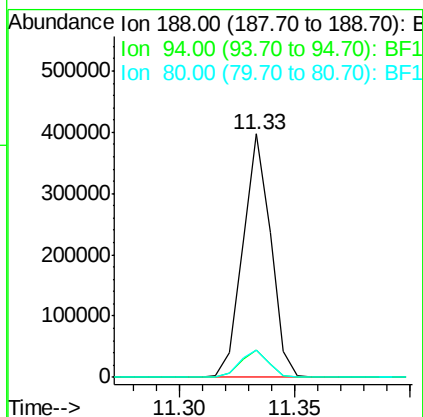
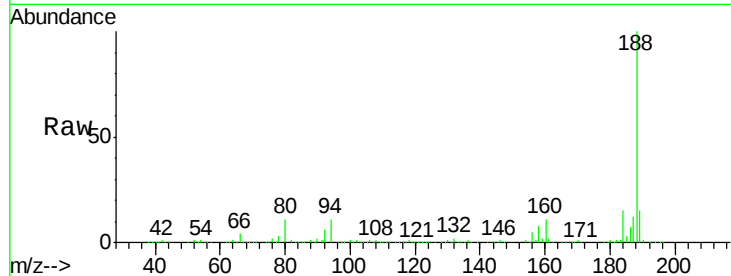
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	334406		
94	11.2		8.5	12.7
80	11.5		9.2	13.8

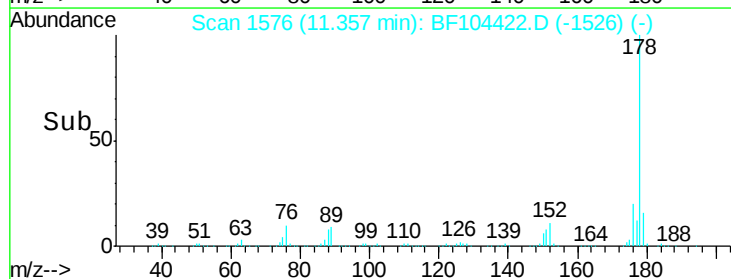
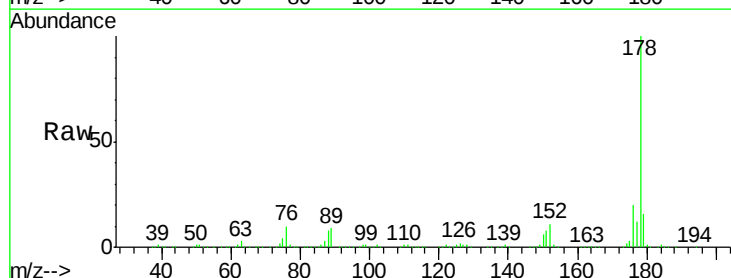
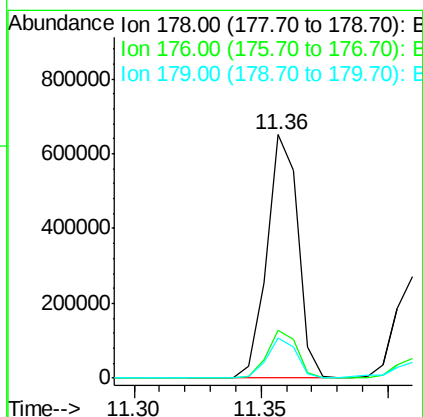
Manual Integrations
APPROVED

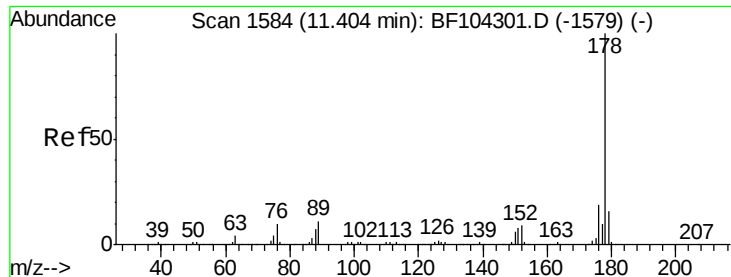
Sohil
4/11/2018 5:17:14 PM



#70
Phenanthrene
Concen: 29.977 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	558265		
176	19.6		15.8	23.8
179	16.2		13.0	19.6





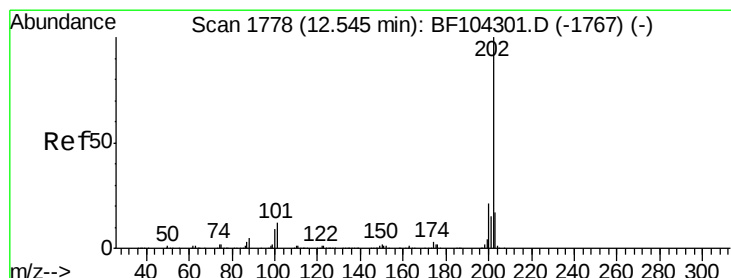
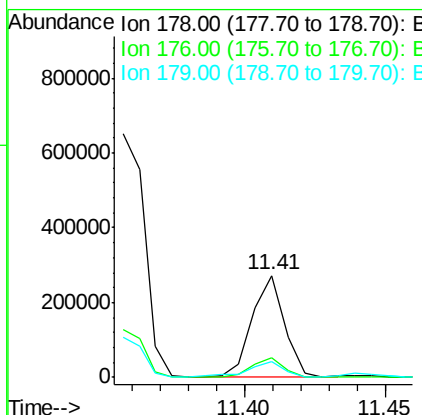
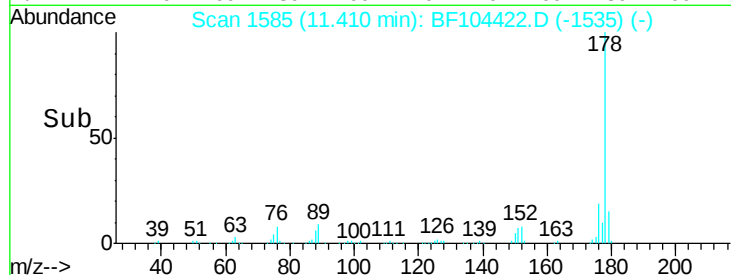
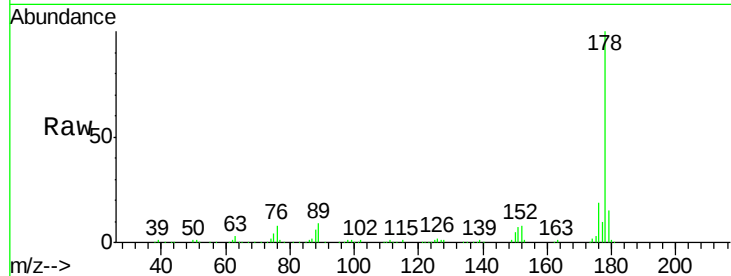
#71
 Anthracene
 Concen: 11.383 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104422.D
 Acq: 10 Apr 2018 22:05

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.9	12.6	19.0

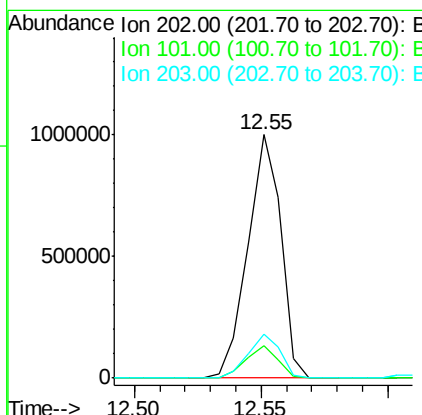
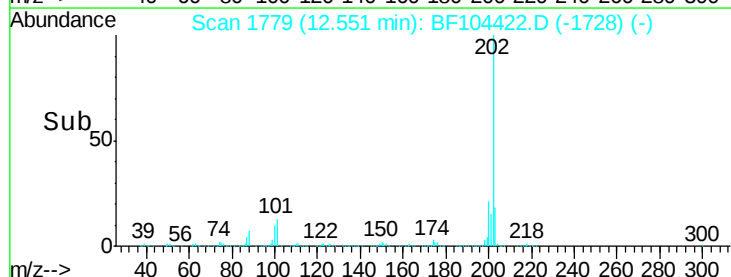
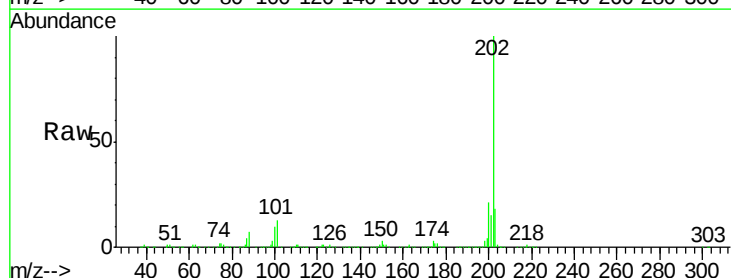
Manual Integrations
 APPROVED

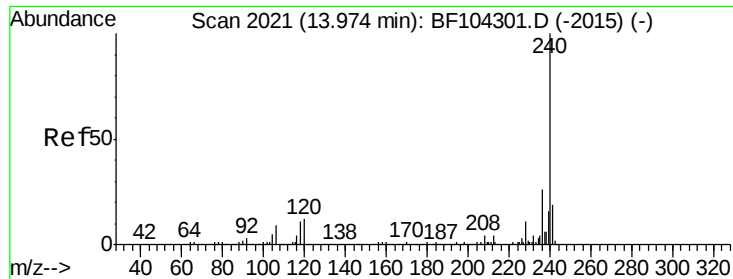
Sohil
 4/11/2018 5:17:14 PM



#74
 Fluoranthene
 Concen: 46.663 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BF104422.D
 Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	17.9	0.0	38.1





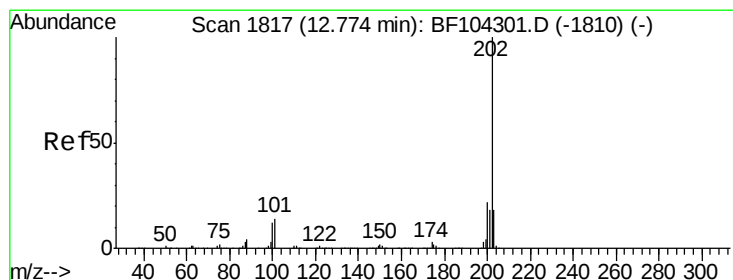
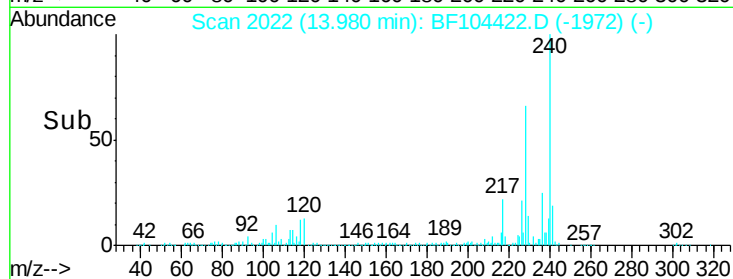
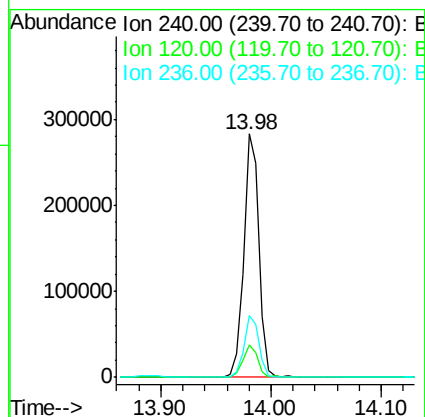
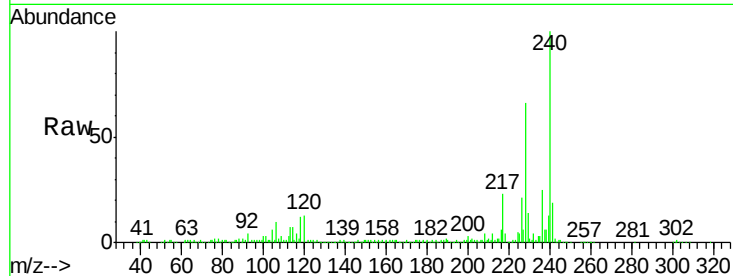
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.2	20.7	31.1

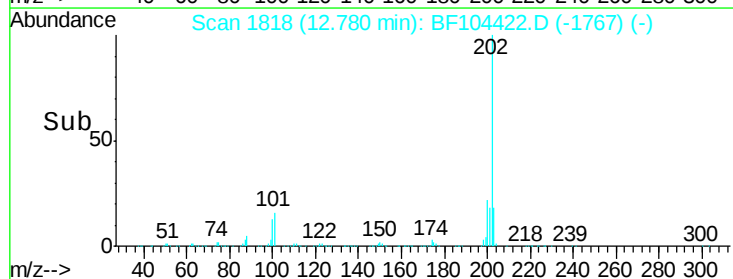
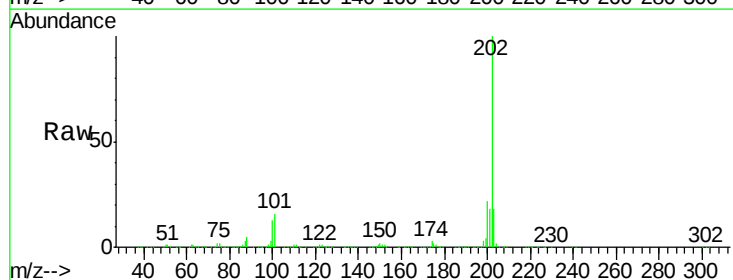
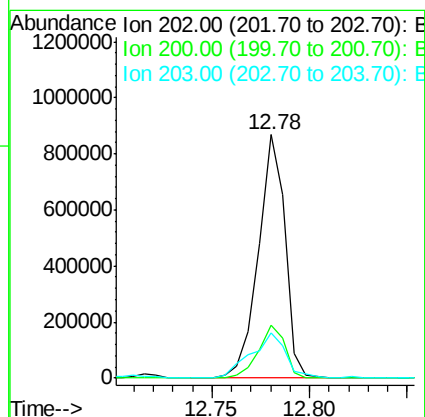
Manual Integrations
APPROVED

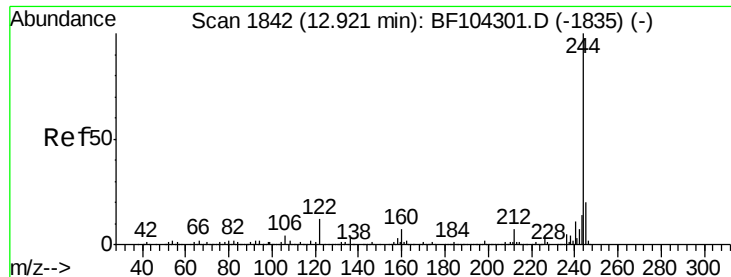
Sohil
4/11/2018 5:17:14 PM



#77
Pyrene
Concen: 40.530 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 26.157 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Instrument :

BNA_F

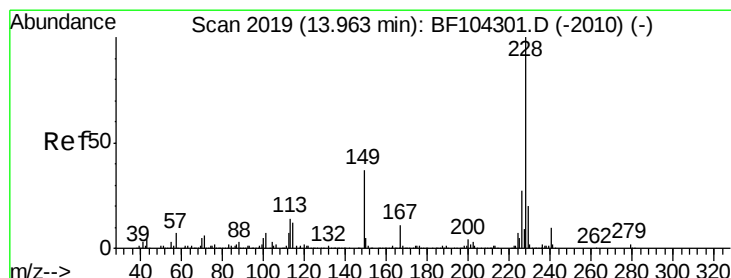
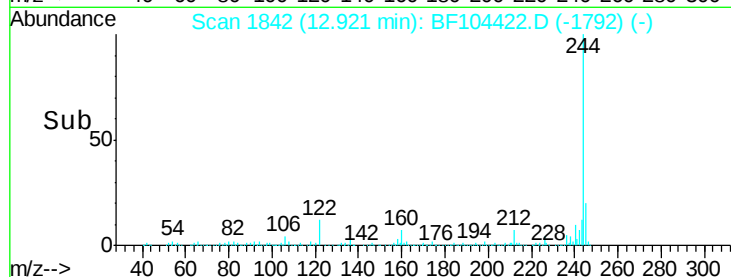
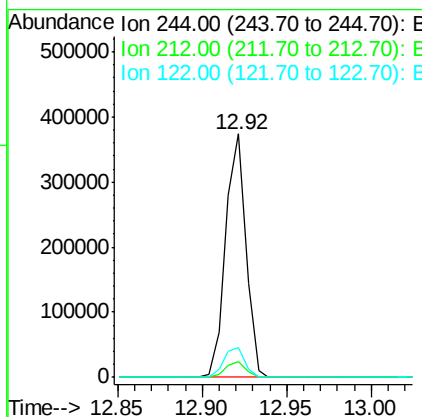
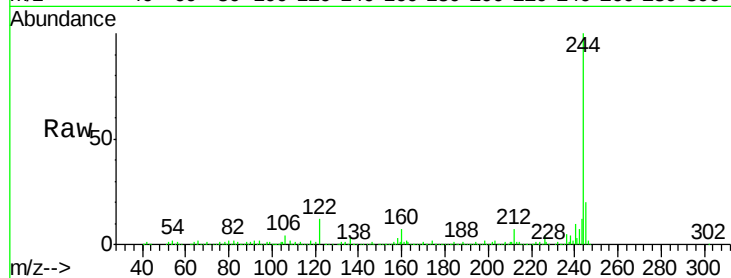
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2DL

Tot Ion:	244	Resp:	312909
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.2	11.0	16.4

Manual Integrations
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Sohil
4/11/2018 5:17:14 PM



#80

Benzo(a)anthracene

Concen: 31.918 ng

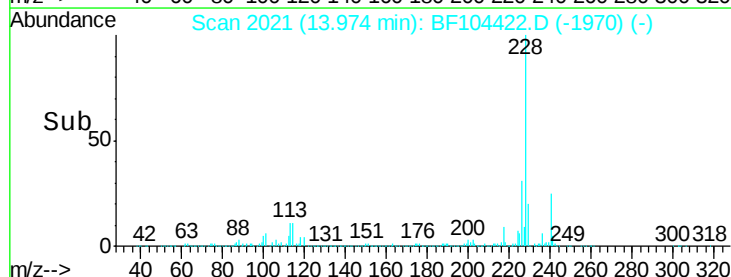
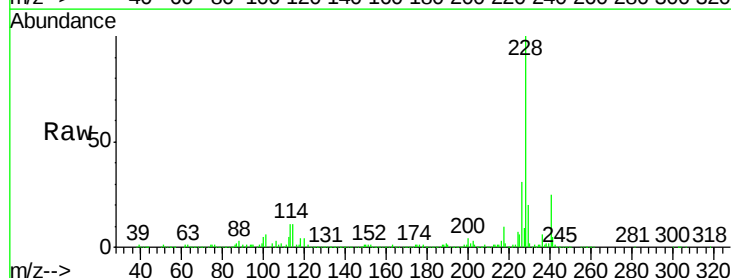
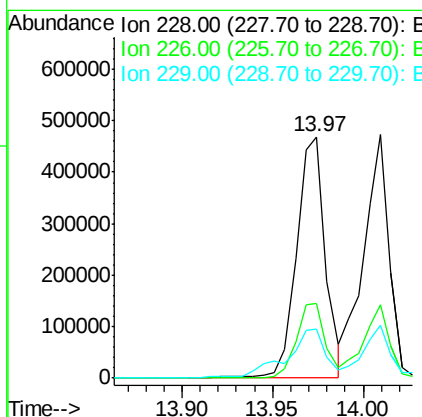
RT: 13.97 min Scan# 2021

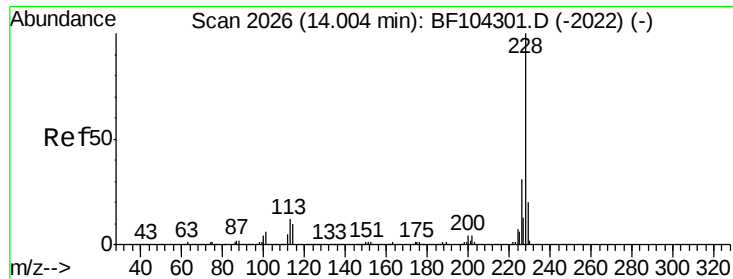
Delta R.T. 0.00 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Tgt Ion:	228	Resp:	520039
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.6	33.8
229	20.3	15.8	23.6





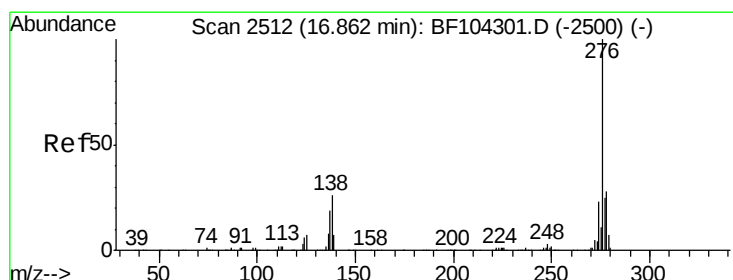
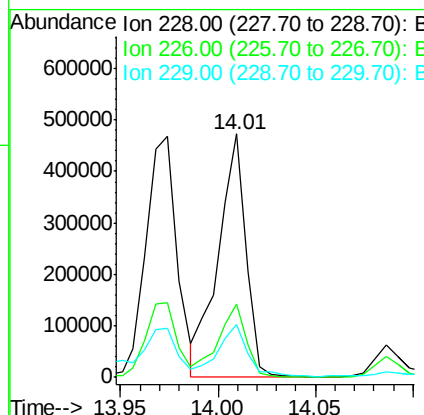
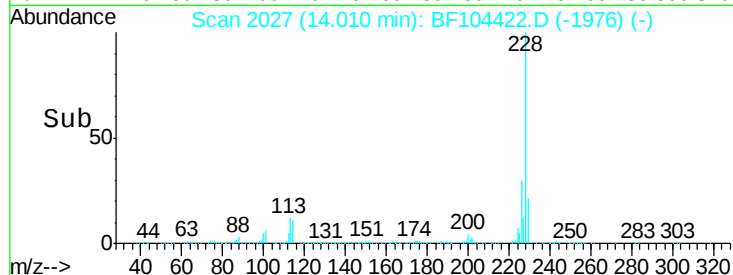
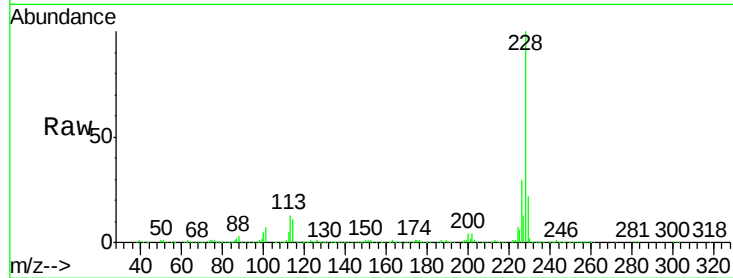
#82
Chrysene
Concen: 27.830 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

Tot Ion:	228	Resp:	465741
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	21.8	16.2	24.4

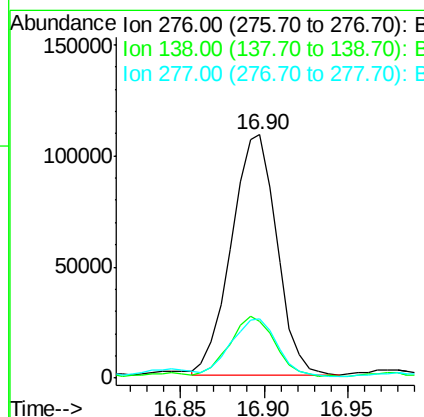
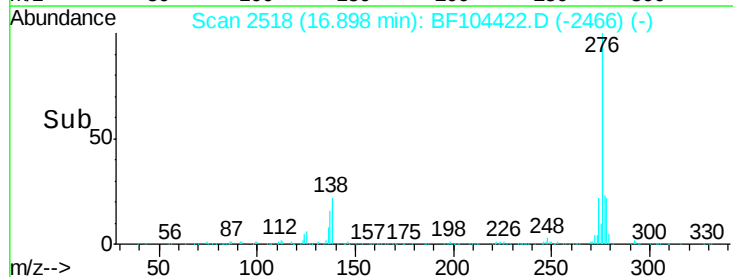
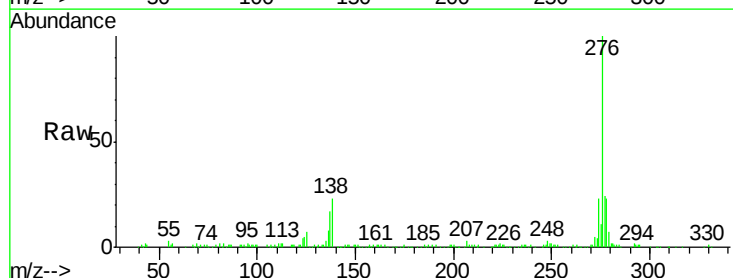
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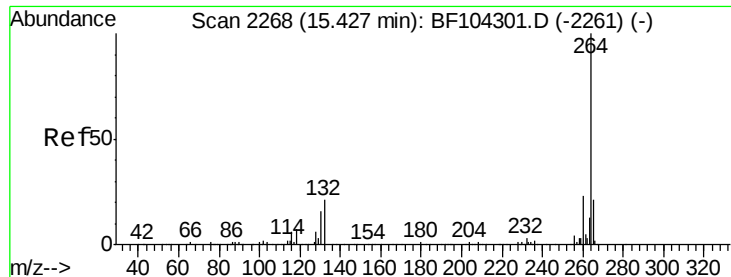
Sohil
4/11/2018 5:17:14 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 14.481 ng m
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion:	276	Resp:	205870
Ion Ratio	Lower	Upper	
276	100		
138	5.4	25.0	37.6#
277	5.0	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Instrument :

BNA_F

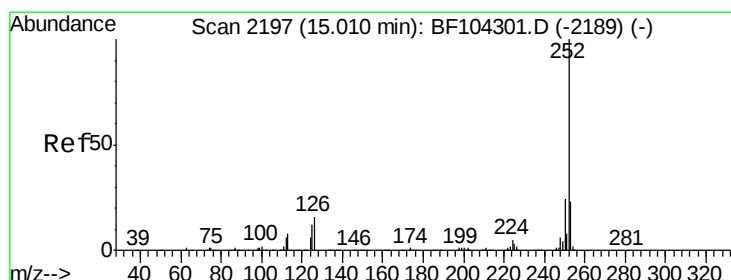
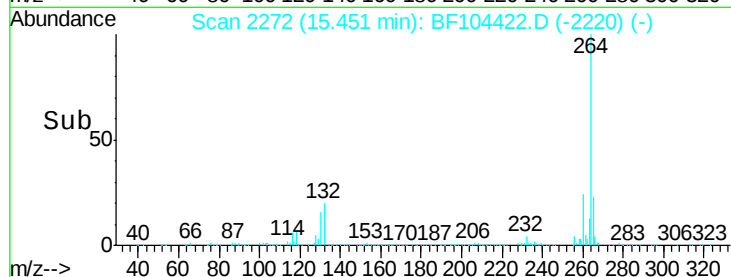
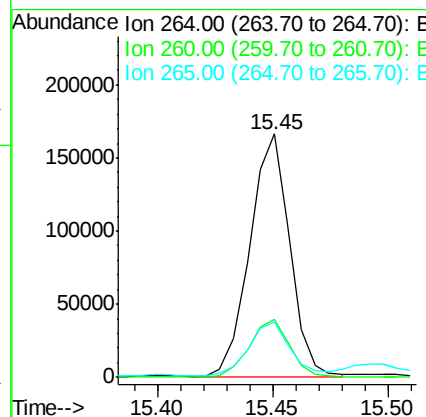
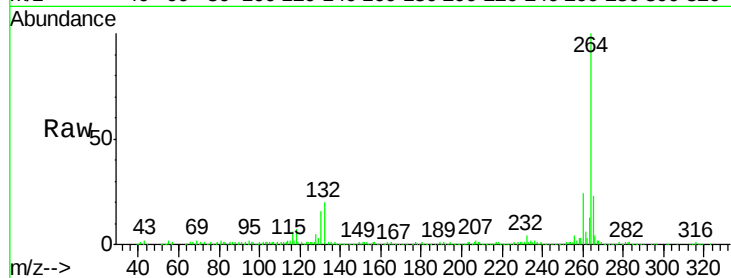
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.9	17.5	26.3

Manual Integrations
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Sohil
4/11/2018 5:17:14 PM



#87

Benzo(b)fluoranthene

Concen: 44.183 ng m

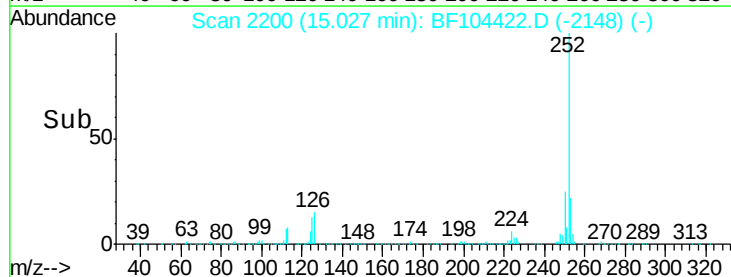
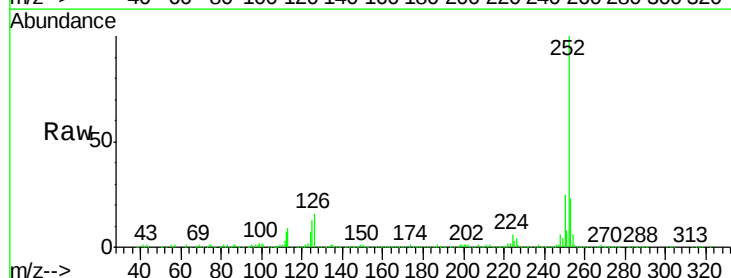
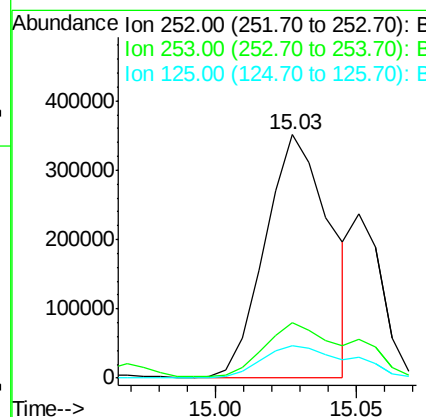
RT: 15.03 min Scan# 2200

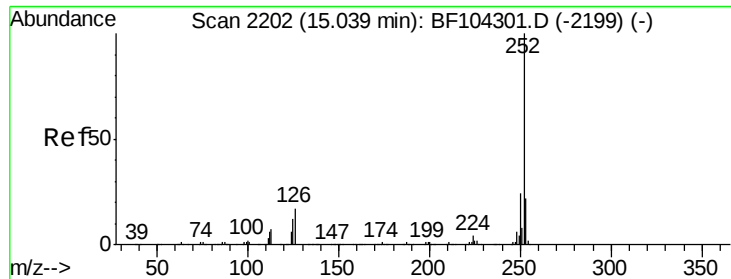
Delta R.T. 0.01 min

Lab File: BF104422.D

Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.4	9.0	13.6





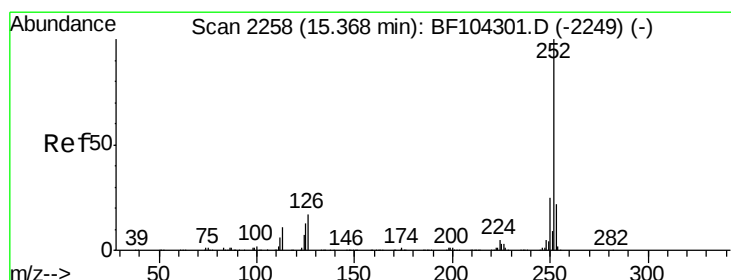
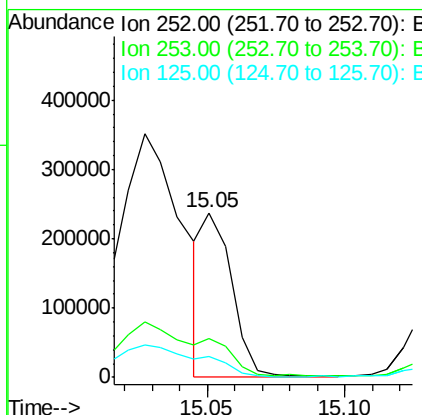
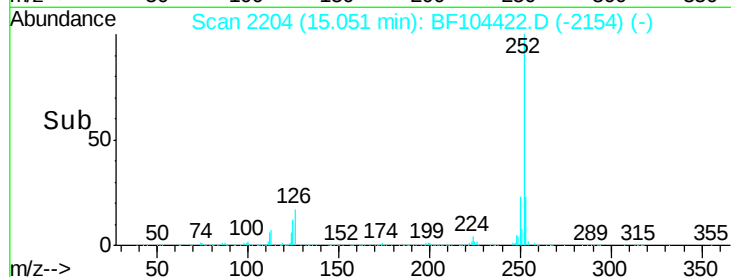
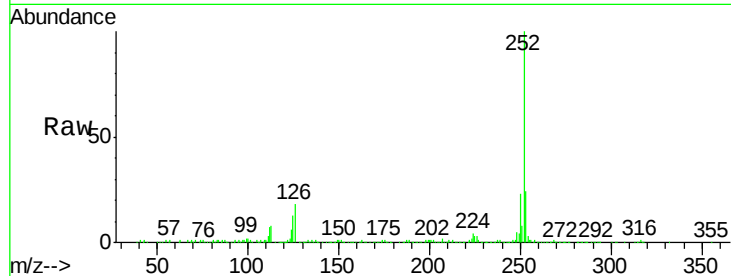
#88
Benzo(k)fluoranthene
Concen: 14.823 ng/mL
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

Tot Ion:	252	Resp:	176675
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	12.7	10.2	15.2

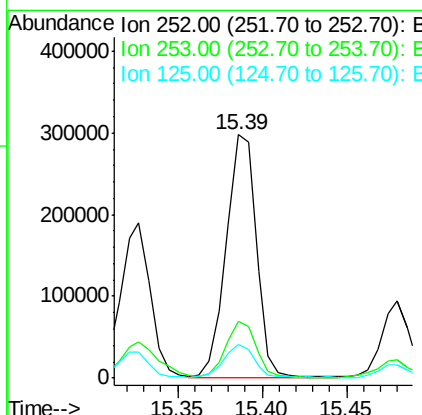
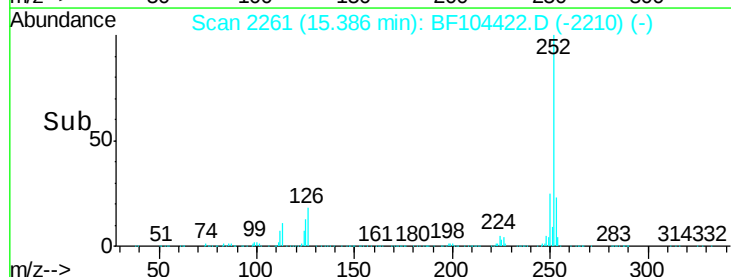
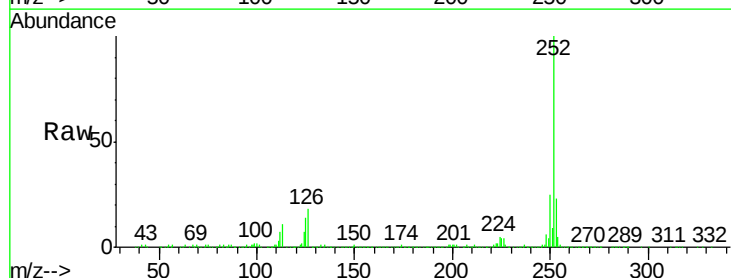
Manual Integrations
APPROVED

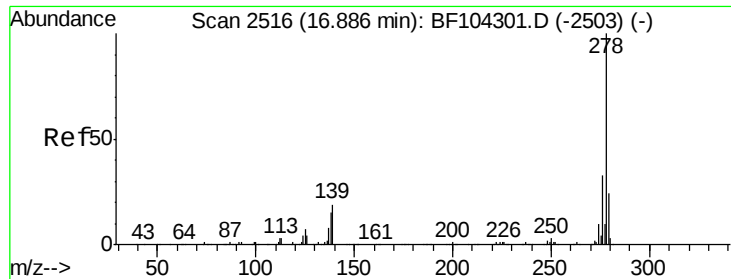
Sohil
4/11/2018 5:17:14 PM



#89
Benzo(a)pyrene
Concen: 32.602 ng/mL
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion:	252	Resp:	368280
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	13.7	9.8	14.6





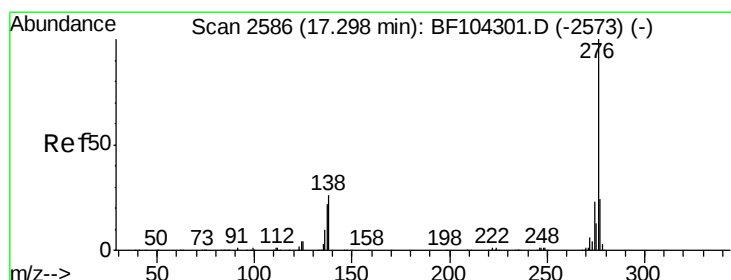
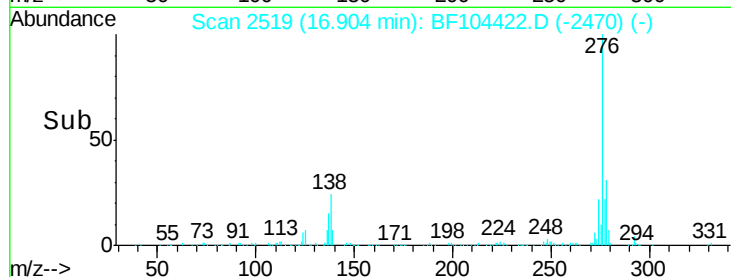
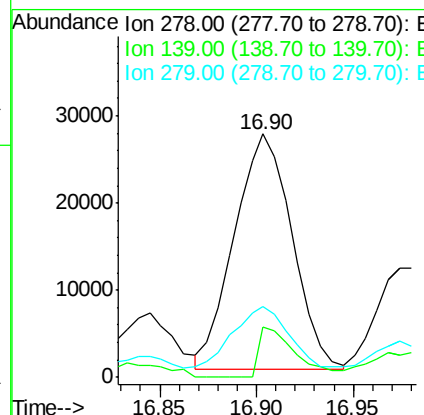
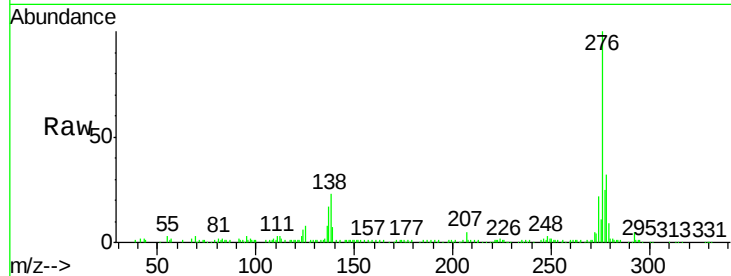
#90
Dibenzo(a,h)anthracene
Concen: 6.094 ng m
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.9	23.9
279	29.2	19.0	28.4

Manual Integrations
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Sohil
4/11/2018 5:17:14 PM



#91
Benzo(g,h,i)perylene
Concen: 19.620 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF104422.D
Acq: 10 Apr 2018 22:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	25.0	21.8	32.8

