

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104421.D
 Acq On : 10 Apr 2018 21:39
 Operator : JU/SJ
 Sample : J2270-01DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Apr 11 01:29:20 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	124640	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	475279	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	179252	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	274547	20.00	ng	0.00
75) Chrysene-d12	13.98	240	257291	20.00	ng	0.00
86) Perylene-d12	15.44	264	186033	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	442297	54.26	ng	0.00
7) Phenol-d6	6.43	99	530160	52.93	ng	-0.01
23) Nitrobenzene-d5	7.37	82	308113	42.33	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	86798	46.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	447300	39.42	ng	0.00
78) Terphenyl-d14	12.92	244	347675	30.81	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.11	128	49690	2.100	ng	97
48) Acenaphthylene	9.70	152	45153	2.420	ng	99
49) Dimethylphthalate	9.56	163	58491	4.138	ng	99
51) Acenaphthene	9.87	154	40592	3.565	ng	98
57) Fluorene	10.39	166	55445	4.801	ng	99
70) Phenanthrene	11.36	178	653898	42.768	ng	100
71) Anthracene	11.41	178	178850	11.508	ng	98
72) Carbazole	11.56	167	60091	3.957	ng	98
74) Fluoranthene	12.55	202	1133457	70.955	ng	100
77) Pyrene	12.79	202	1096024	57.470	ng	100
80) Benzo(a)anthracene	13.97	228	635417	41.339	ng	97
82) Chrysene	14.01	228	578559	36.645	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	187107m	13.951	ng	
87) Benzo(b)fluoranthene	15.03	252	548715m	46.701	ng	
88) Benzo(k)fluoranthene	15.05	252	211126m	19.033	ng	
89) Benzo(a)pyrene	15.39	252	360499	34.291	ng	98
90) Dibenzo(a,h)anthracene	16.90	278	51831	6.003	ng	96
91) Benzo(g,h,i)perylene	17.33	276	178103	21.291	ng	95

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

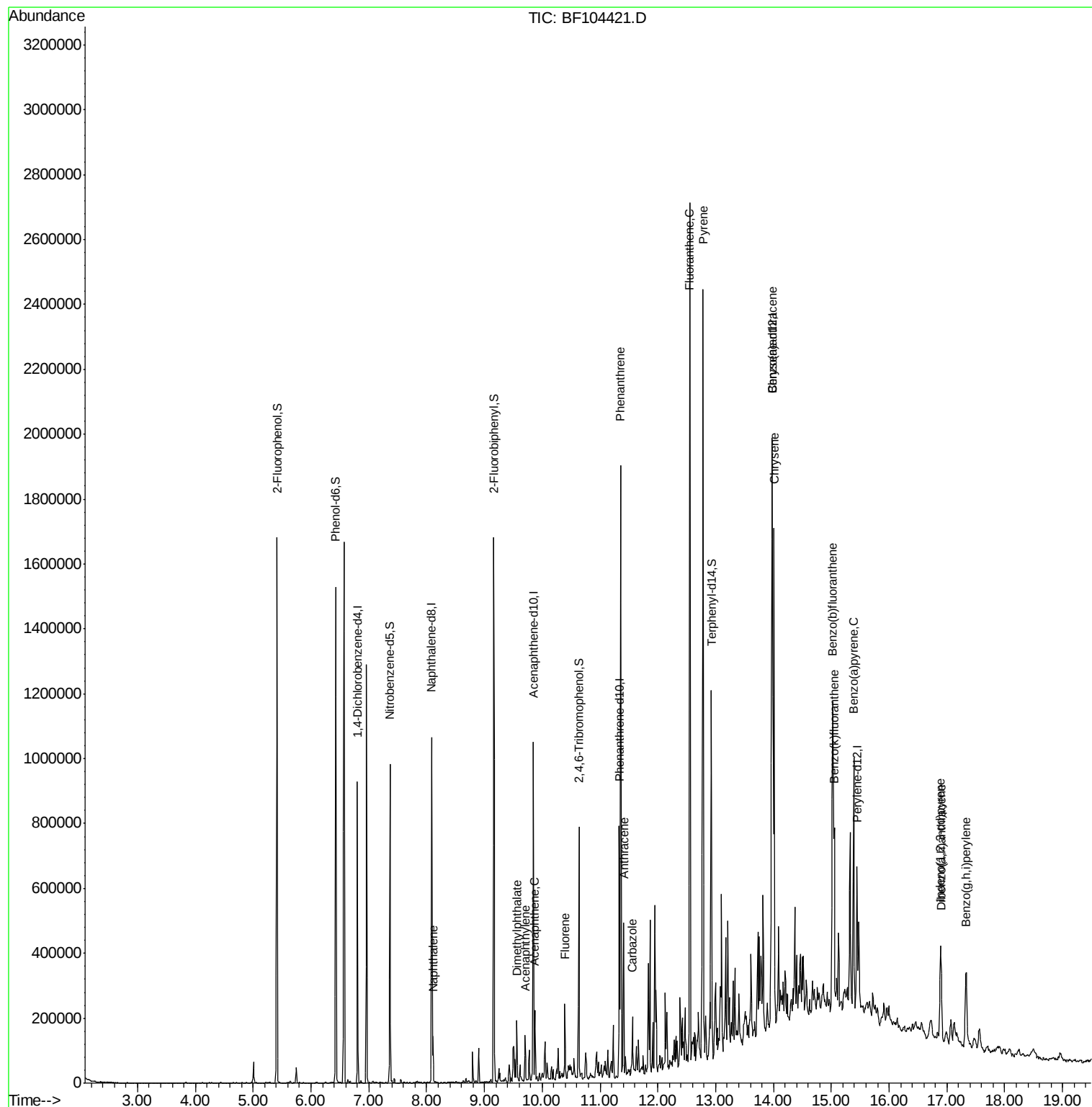
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
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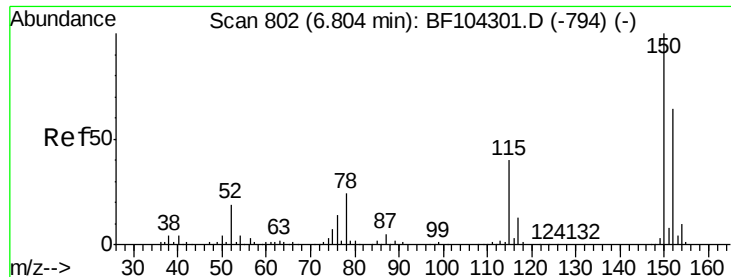
Instrument :
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SOUTHLAWN-PRECHAR-AREA-1DL

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#1

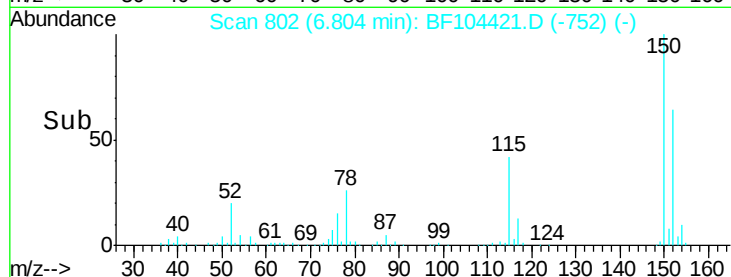
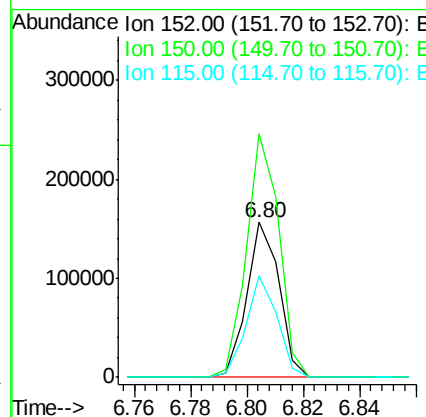
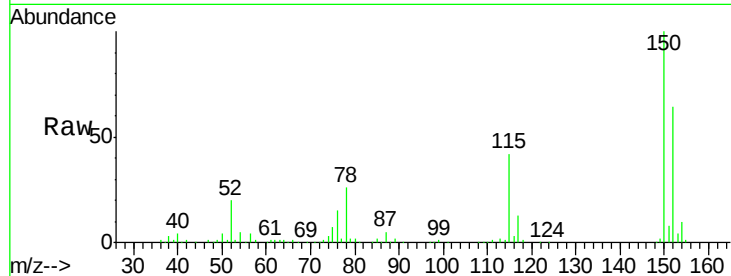
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	65.6	50.1	75.1

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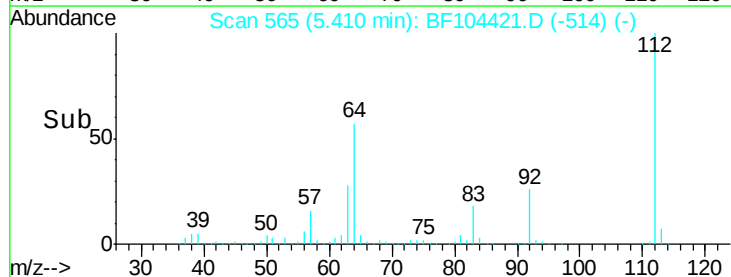
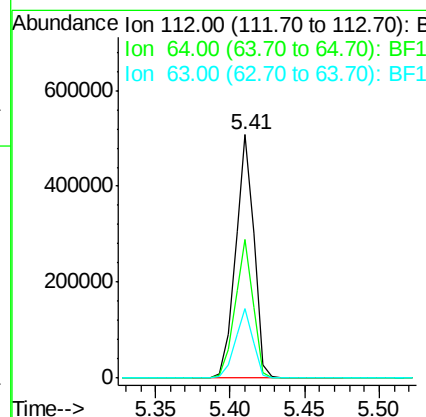
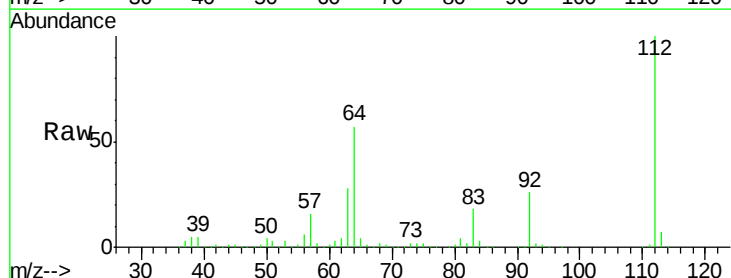
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#5

2-Fluorophenol
Concen: 54.260 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 52.934 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Instrument :

BNA_F

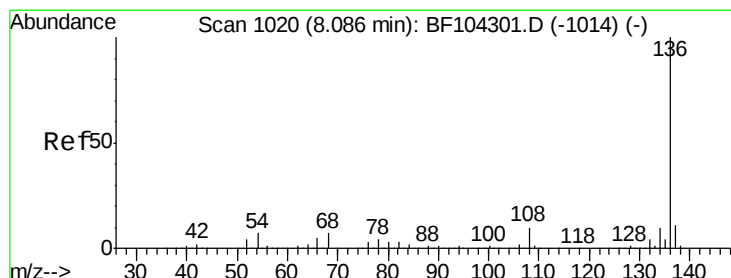
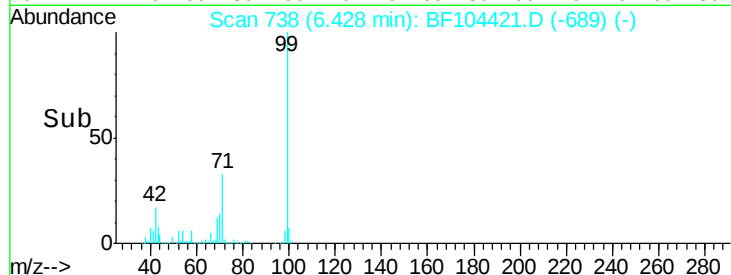
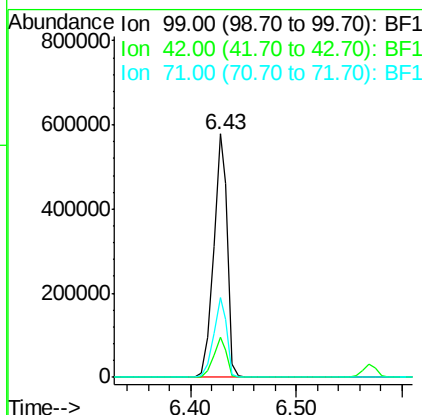
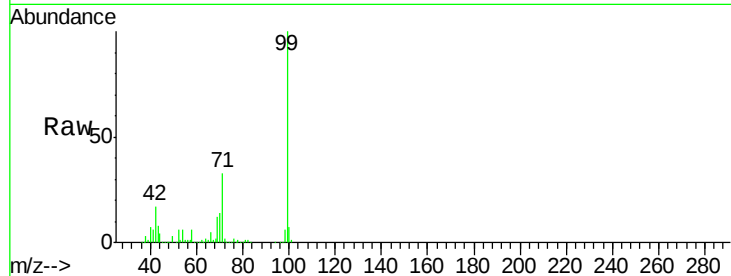
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1DL

Tot Ion:	99	Resp:	530160
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

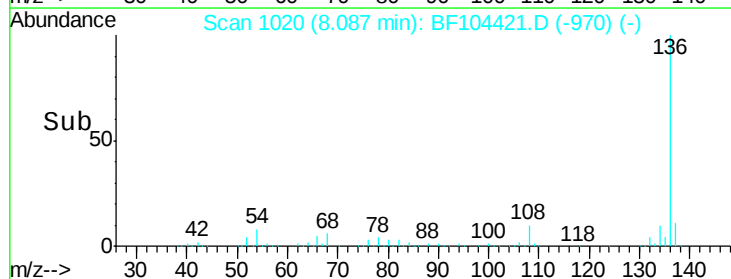
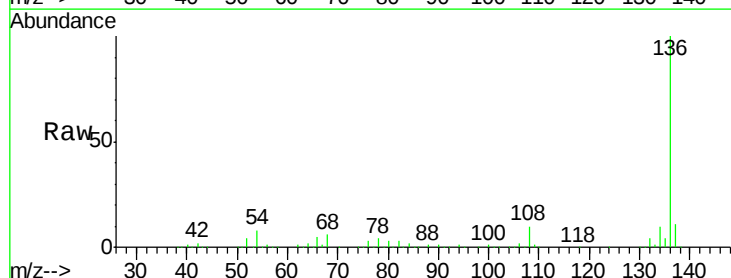
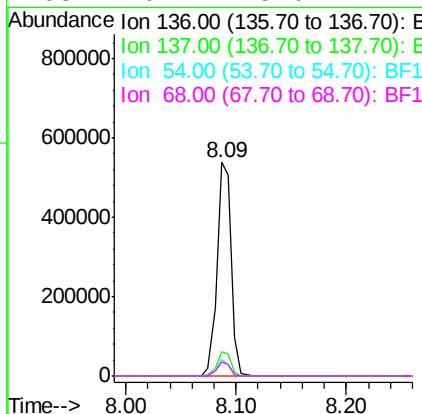
RT: 8.09 min Scan# 1020

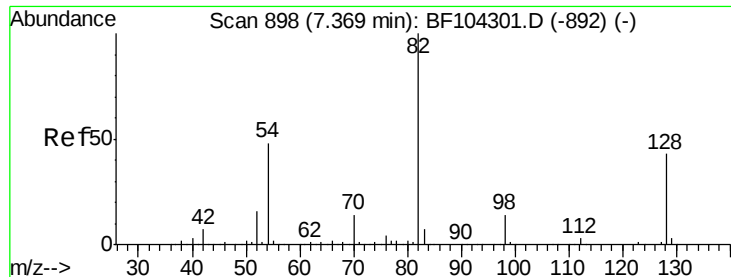
Delta R.T. -0.01 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Tgt Ion:	136	Resp:	475279
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.7	6.6	9.8
68	6.4	5.0	7.4





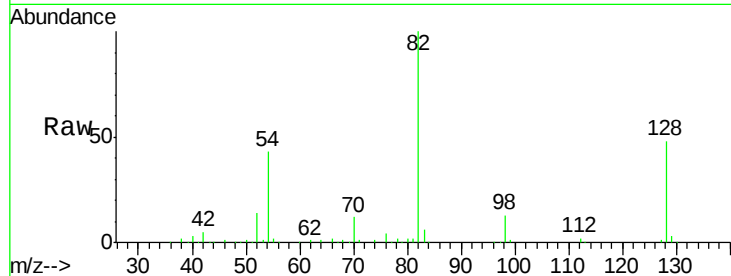
#23
Nitrobenzene-d5
Concen: 42.331 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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

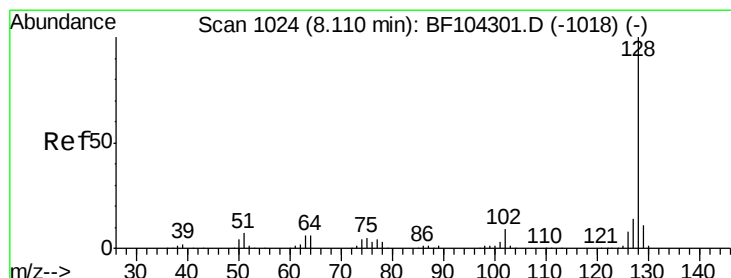
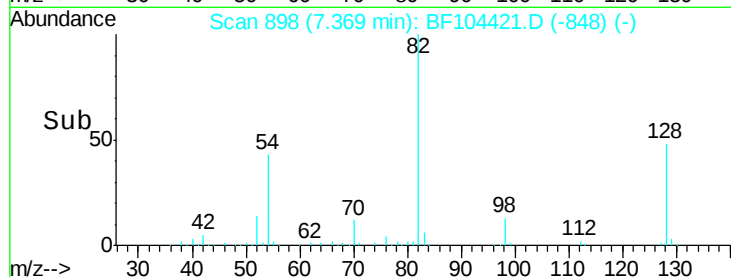
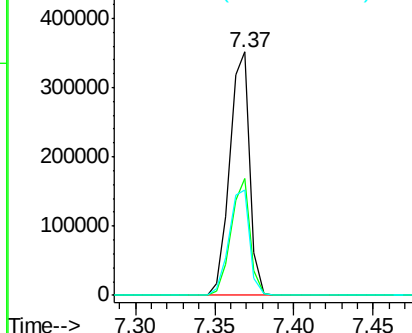
Tot Ion	Ratio	Resp	Lower	Upper
82	100	308113		
128	48.1	36.1	54.1	
54	43.2	41.4	62.2	

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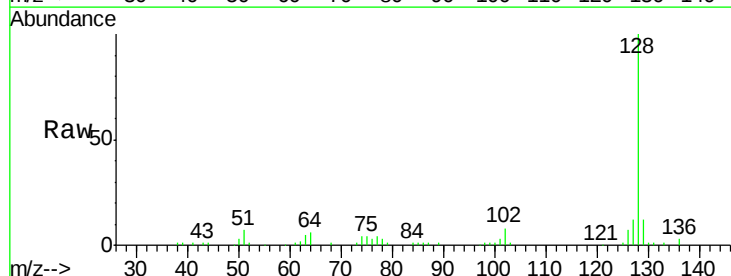


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

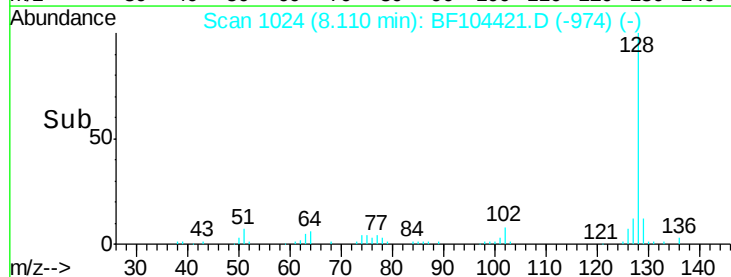
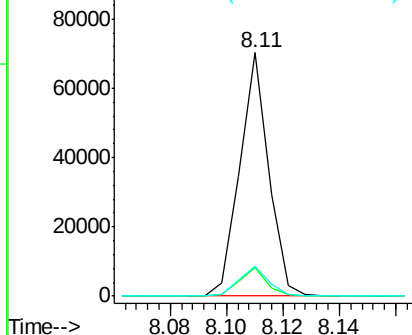


#31
Naphthalene
Concen: 2.100 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	49690		
129	11.8	8.8	13.2	
127	12.3	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





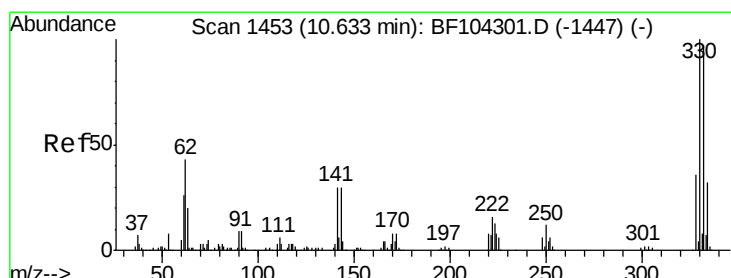
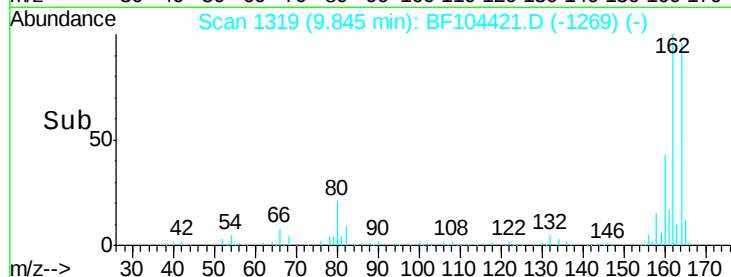
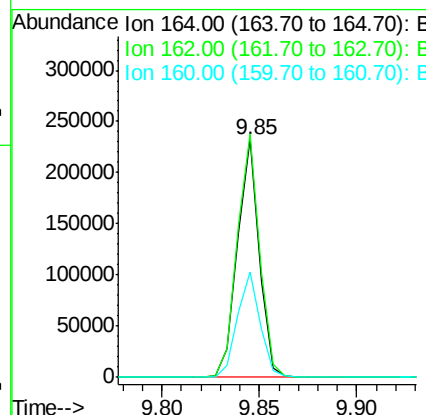
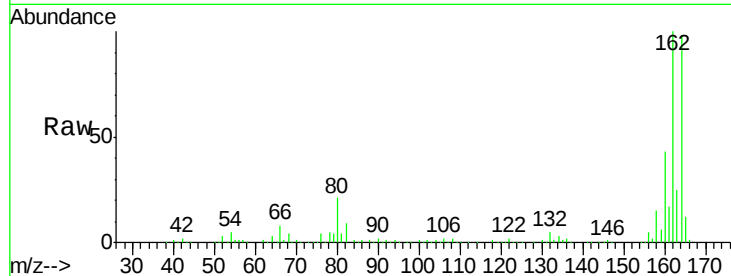
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104421.D
 Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	86.1	129.1	
160	44.4	38.3	57.5	

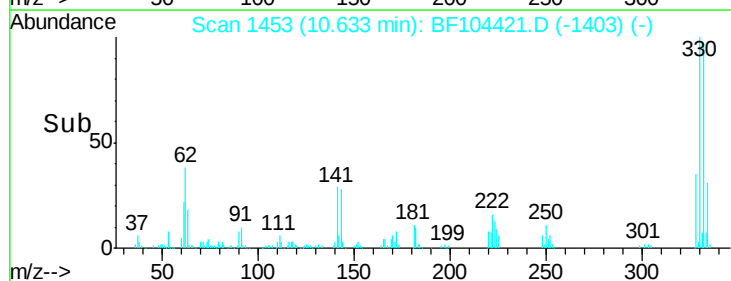
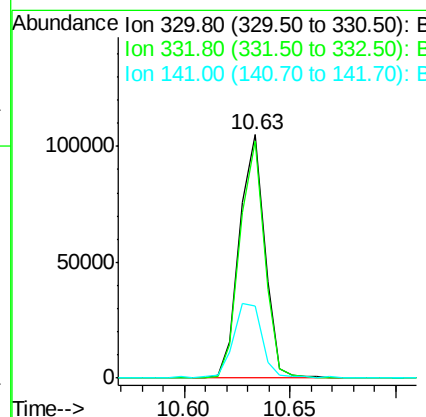
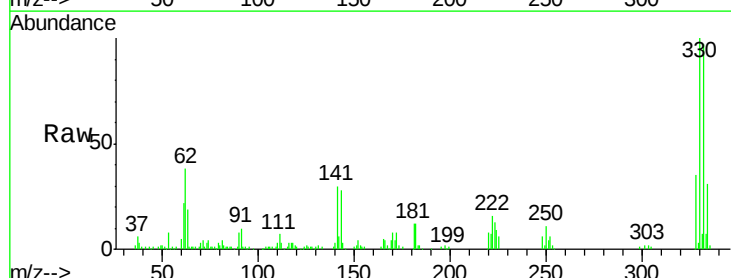
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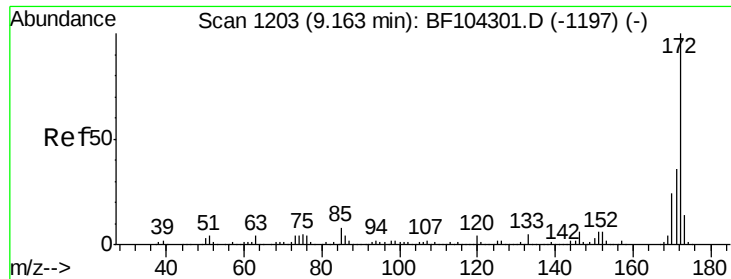
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#41
 2,4,6-Tribromophenol
 Concen: 46.680 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104421.D
 Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	77.0	115.6	
141	35.7	29.9	44.9	





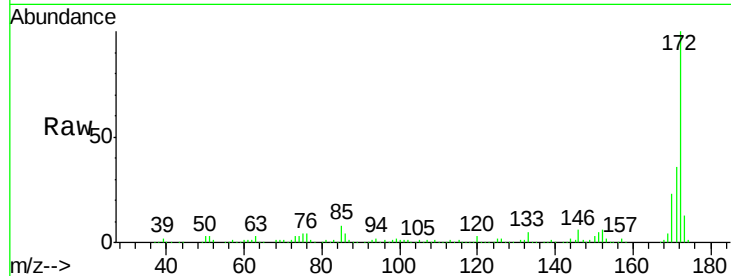
#44
2-Fluorobiphenyl
Concen: 39.421 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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

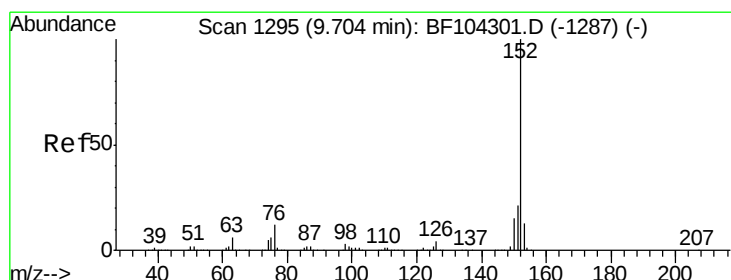
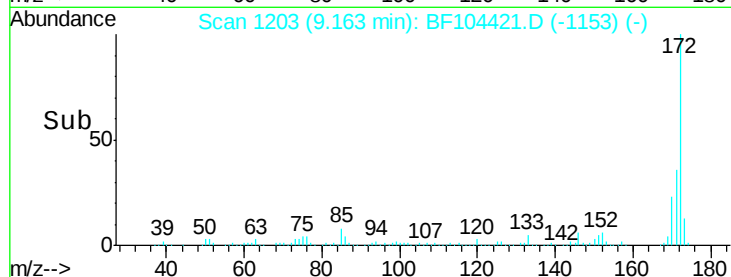
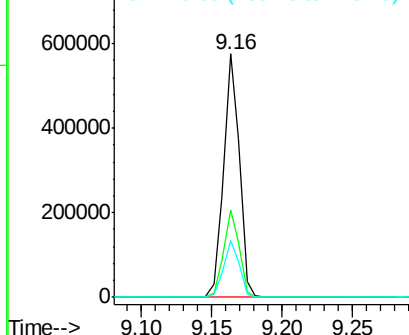
Tot Ion	Ratio	Resp	Lower	Upper
172	100	447300		
171	35.8	29.7	44.5	
170	23.4	19.6	29.4	

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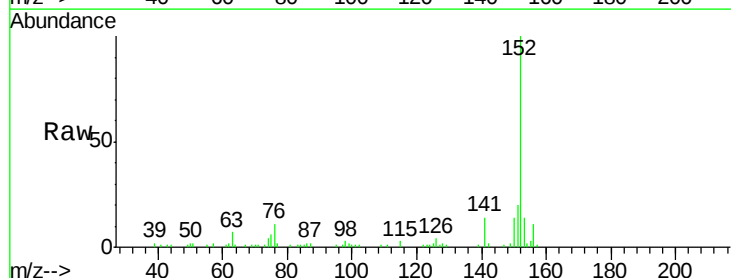


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

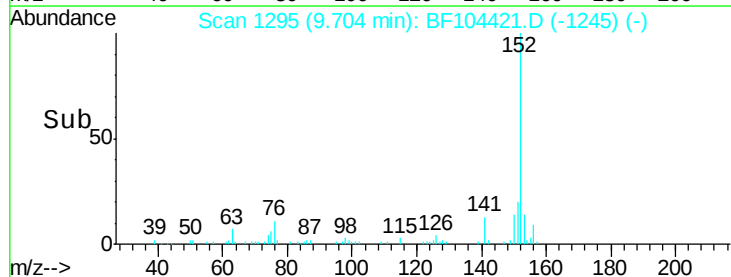
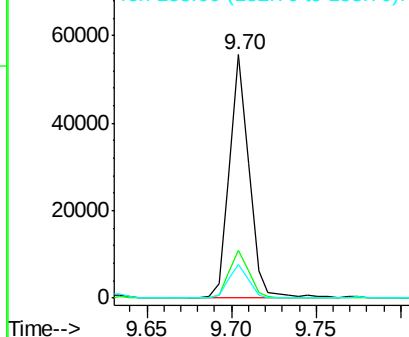


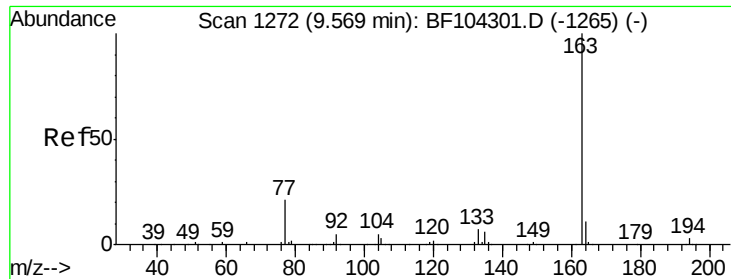
#48
Acenaphthylene
Concen: 2.420 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	45153		
151	19.7	16.3	24.5	
153	13.6	10.7	16.1	



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





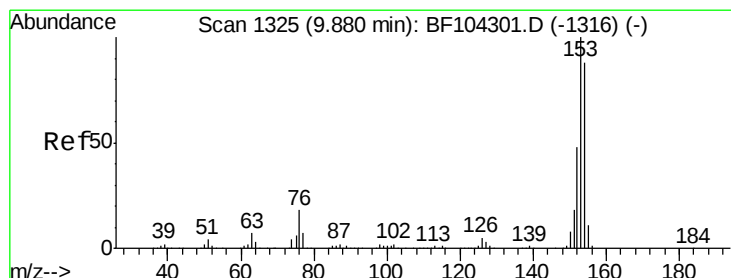
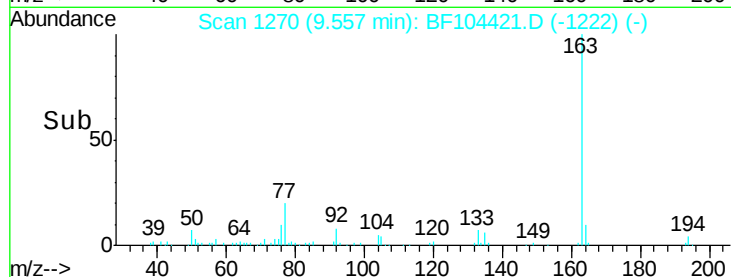
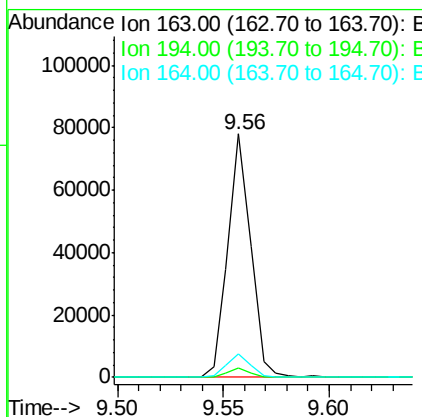
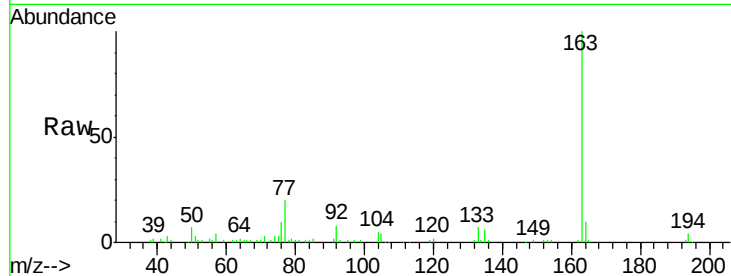
#49
Dimethylphthalate
Concen: 4.138 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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BNA_F
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SOUTHLAWN-PRECHAR-AREA-1DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	58491		
194	3.9		2.7	4.1
164	9.8		8.2	12.2

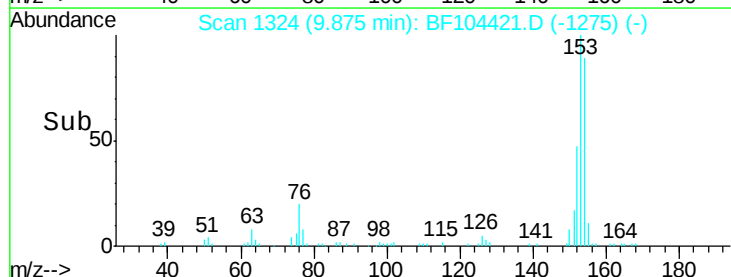
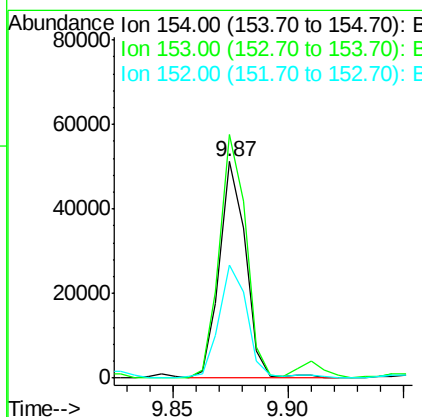
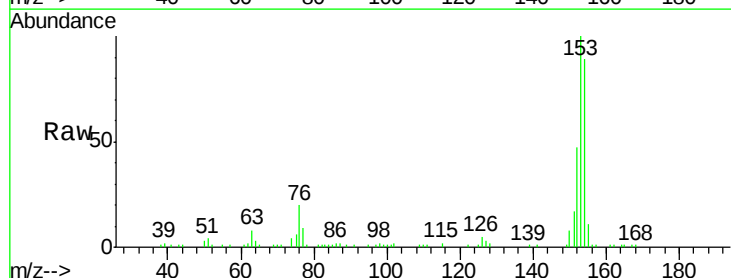
Manual Integrations
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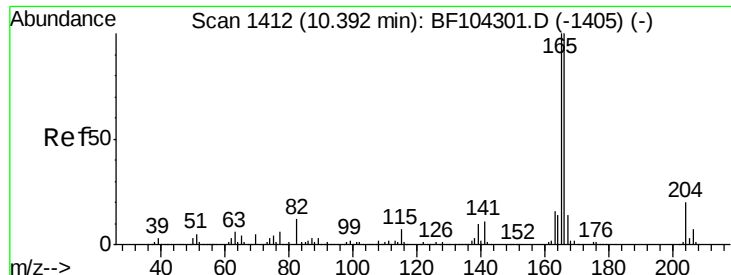
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#51
Acenaphthene
Concen: 3.565 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	40592		
153	112.4		91.2	136.8
152	52.3		43.8	65.8





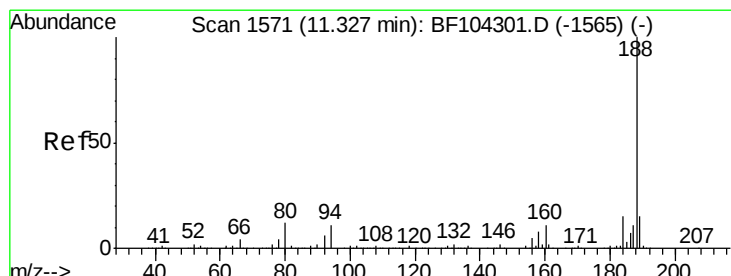
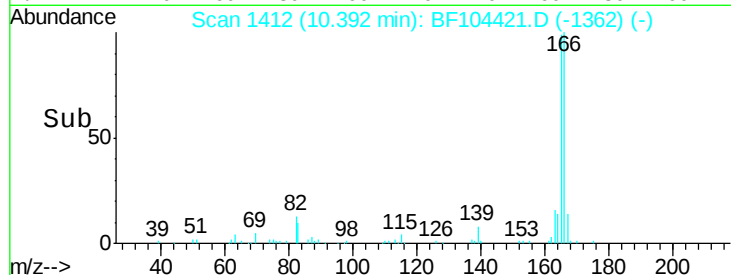
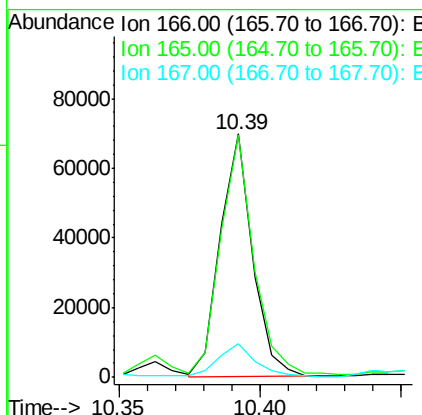
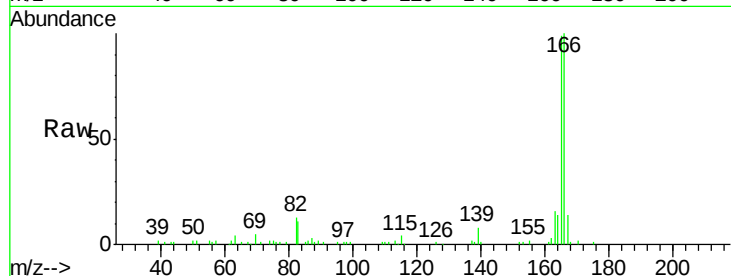
#57
Fluorene
 Concen: 4.801 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104421.D
 Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	55445		
165	99.3	79.8	119.8	
167	14.0	10.6	16.0	

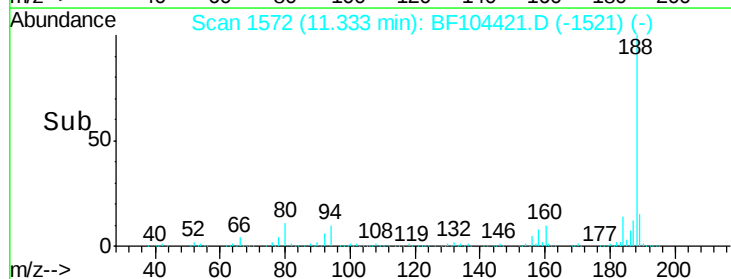
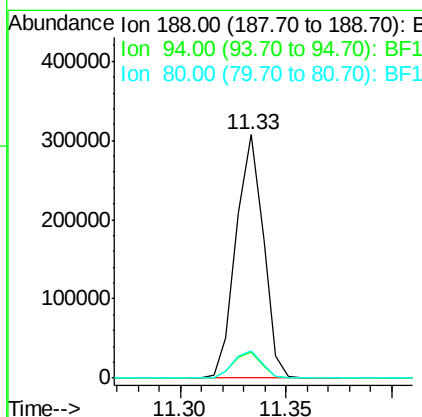
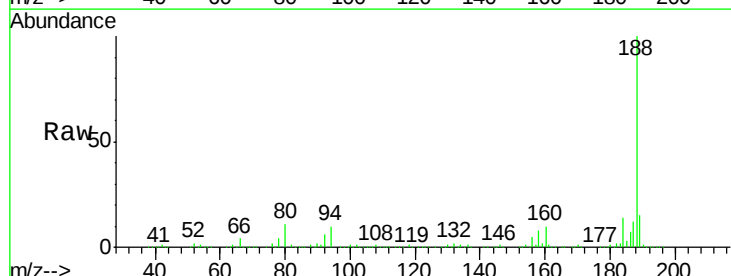
Manual Integrations
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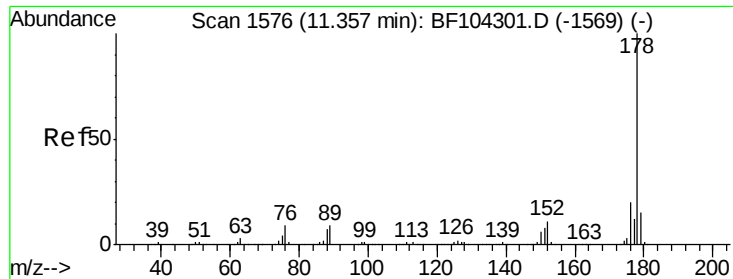
Sohil
 4/11/2018 5:17:12 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104421.D
 Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	274547		
94	10.4	8.5	12.7	
80	11.4	9.2	13.8	





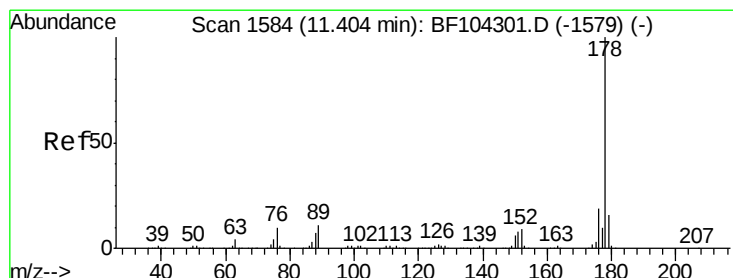
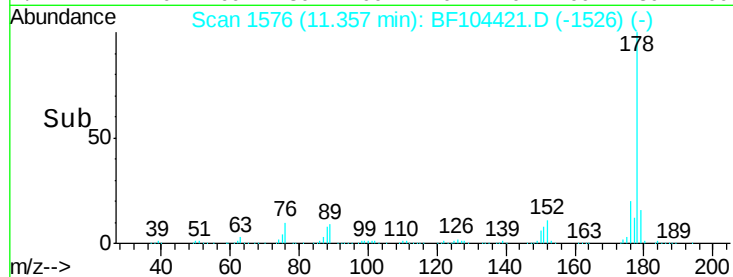
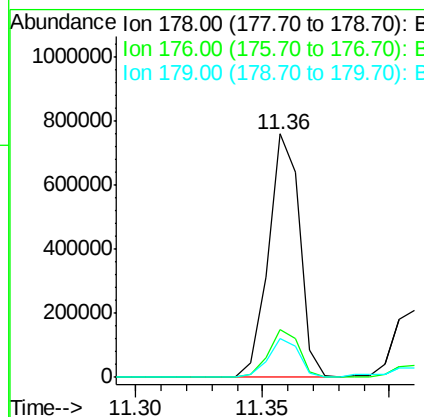
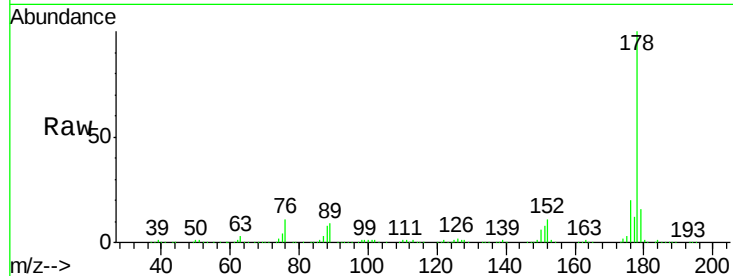
#70
Phenanthrene
Concen: 42.768 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	13.0	19.6

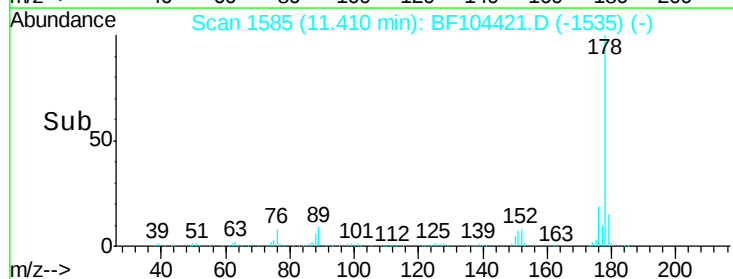
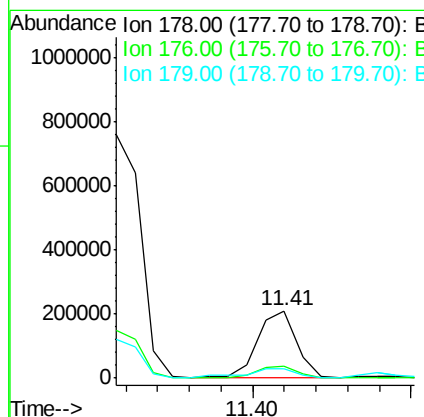
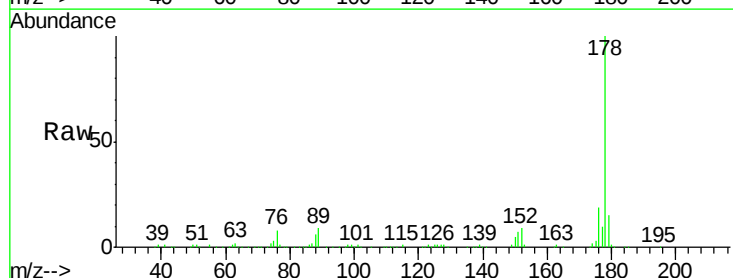
Manual Integrations
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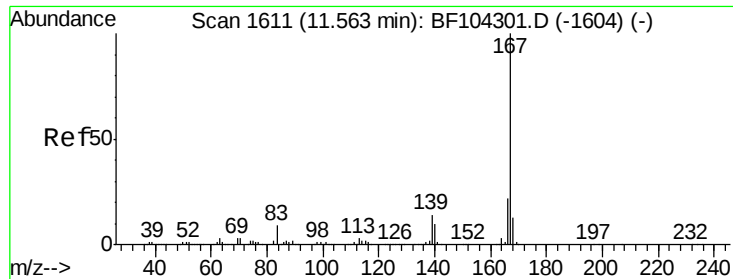
Sohil
4/11/2018 5:17:12 PM



#71
Anthracene
Concen: 11.508 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	14.9	12.6	19.0





#72

Carbazole

Concen: 3.957 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Instrument :

BNA_F

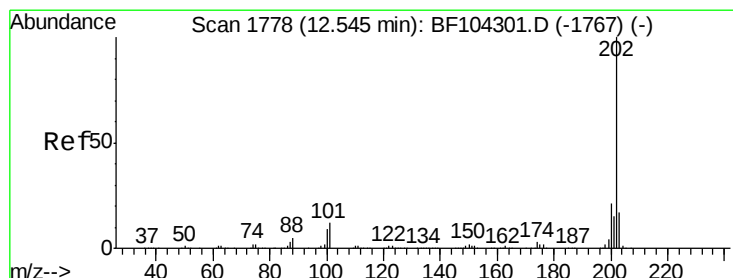
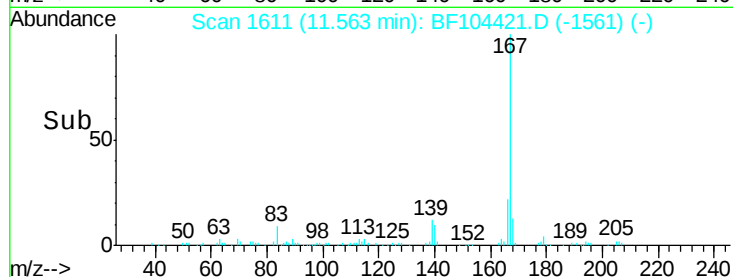
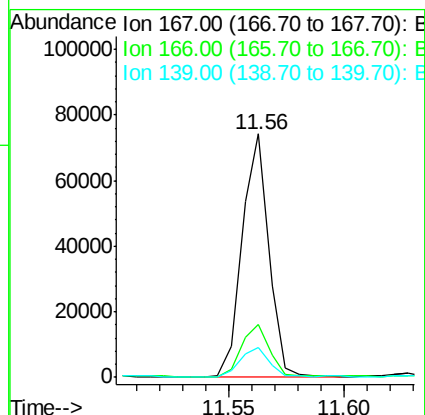
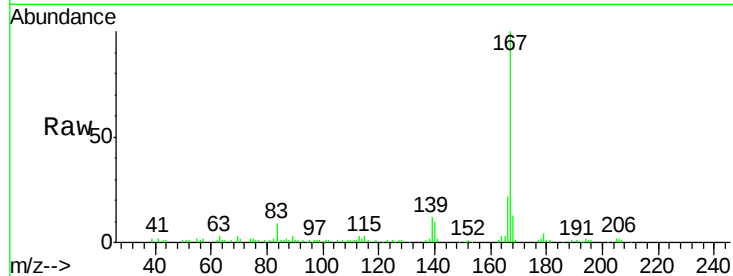
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1DL

Tot Ion:	167	Resp:	60091
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.6	26.4
139	12.3	10.9	16.3

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#74

Fluoranthene

Concen: 70.955 ng

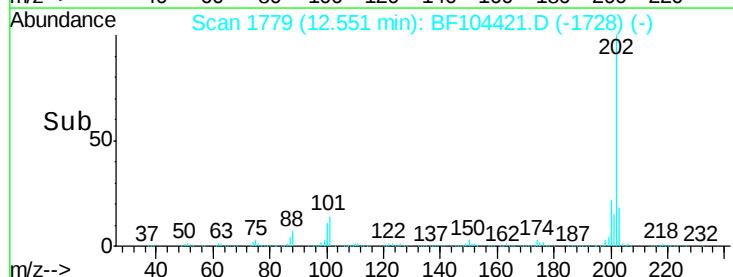
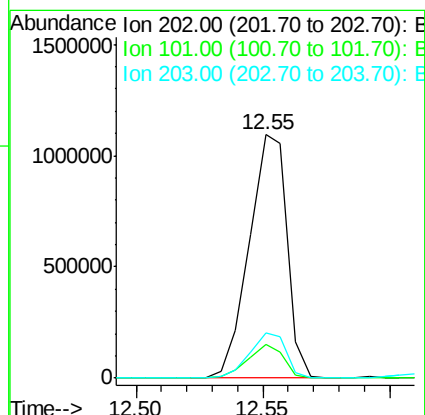
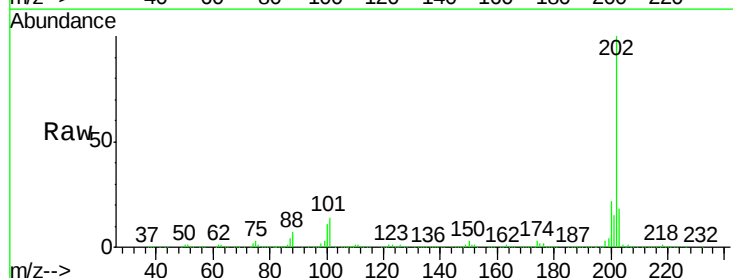
RT: 12.55 min Scan# 1779

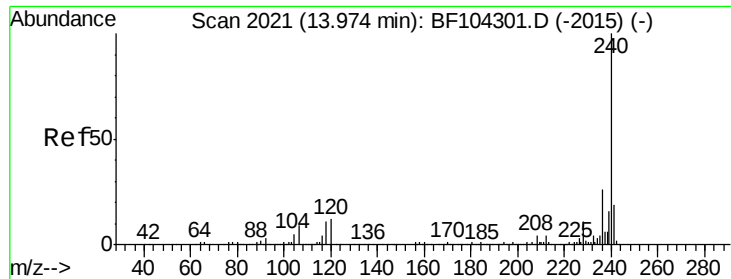
Delta R.T. 0.00 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Tgt Ion:	202	Resp:	1133457
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.1
203	18.3	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: BF104421.D

Acq: 10 Apr 2018 21:39

Instrument :

BNA_F

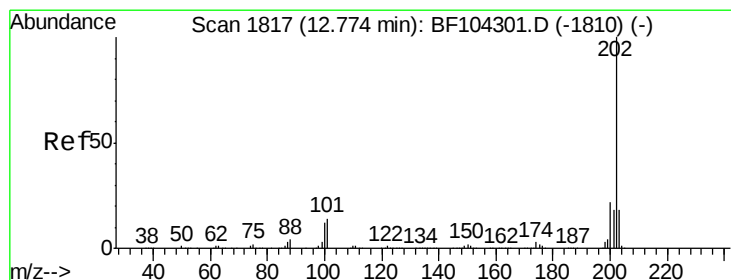
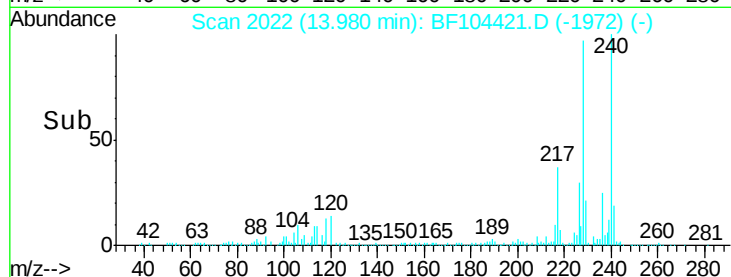
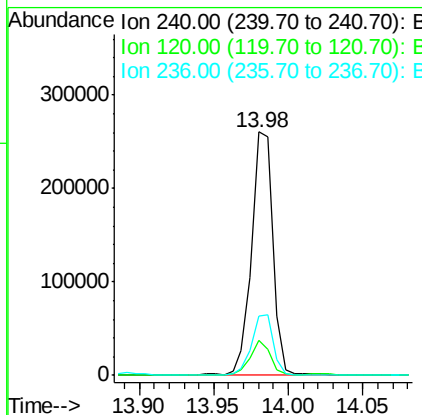
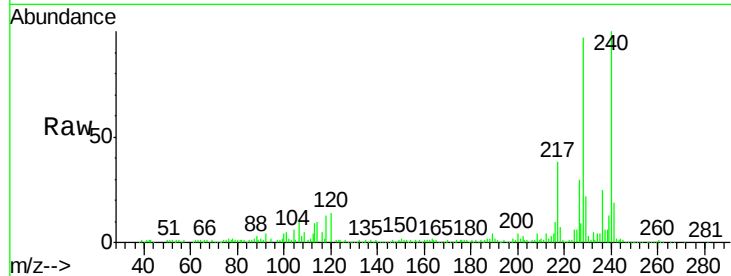
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3
236	24.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 57.470 ng

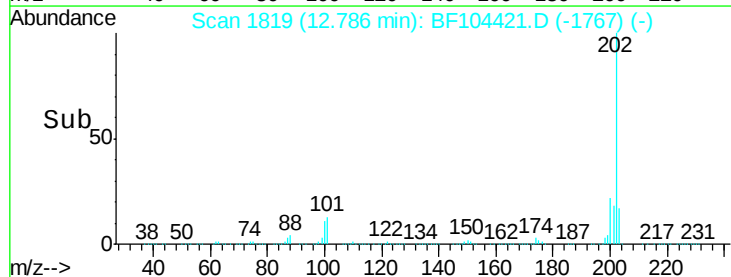
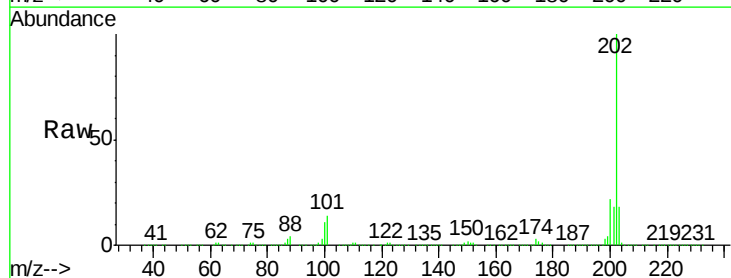
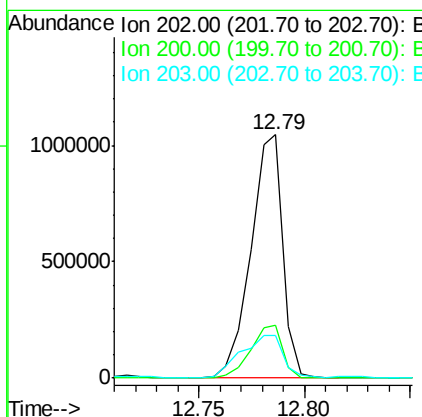
RT: 12.79 min Scan# 1819

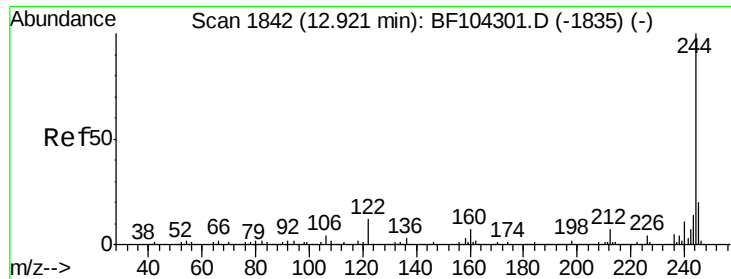
Delta R.T. 0.01 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.7	14.3	21.5





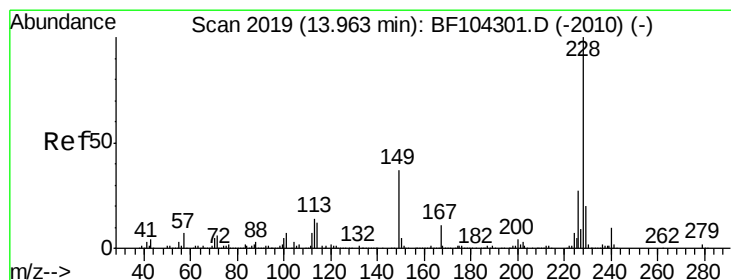
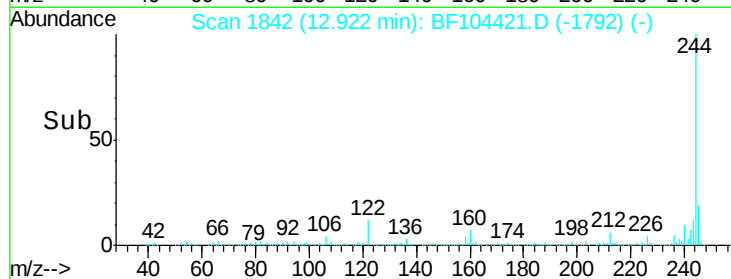
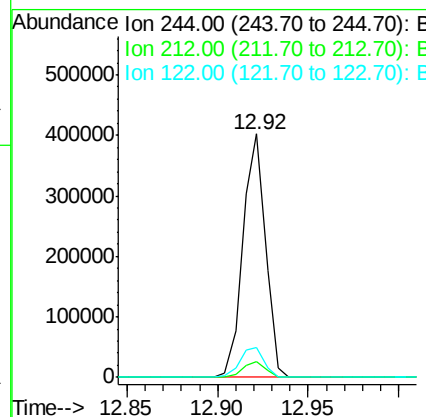
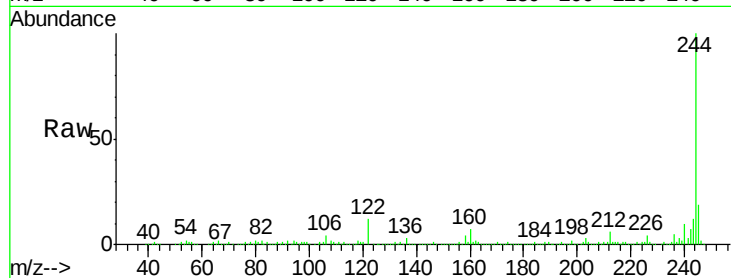
#78
 Terphenyl-d14
 Concen: 30.807 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104421.D
 Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.1	11.0	16.4

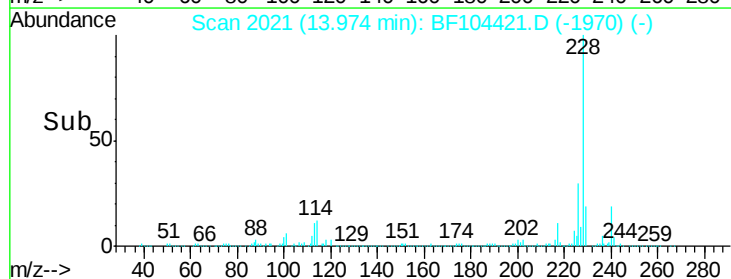
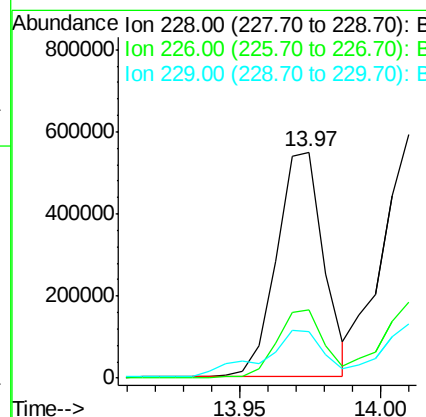
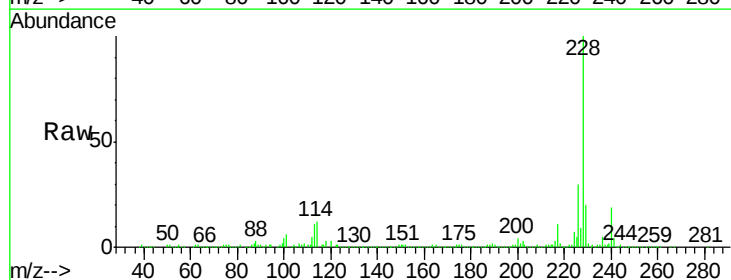
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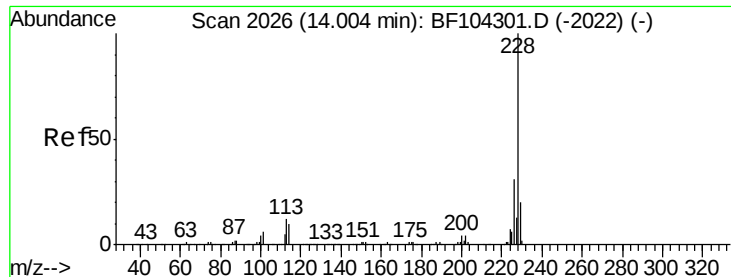
Sohil
 4/11/2018 5:17:12 PM



#80
 Benzo(a)anthracene
 Concen: 41.339 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF104421.D
 Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.4	15.8	23.6





#82

Chrysene

Concen: 36.645 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Instrument :

BNA_F

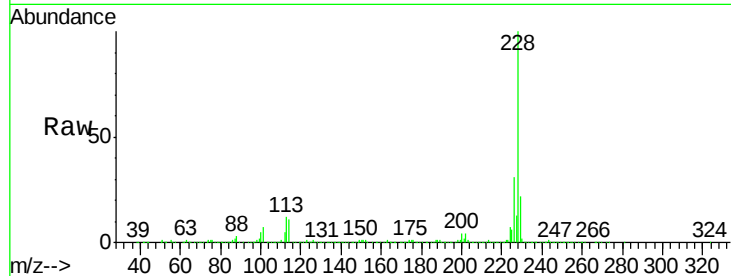
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1DL

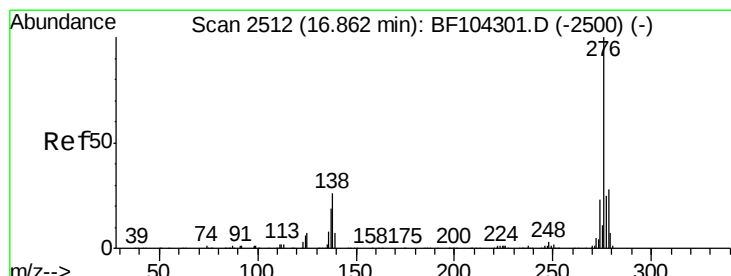
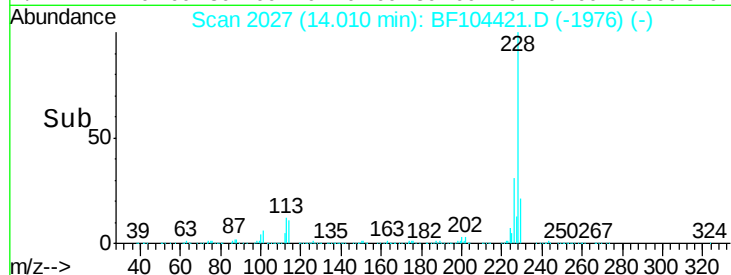
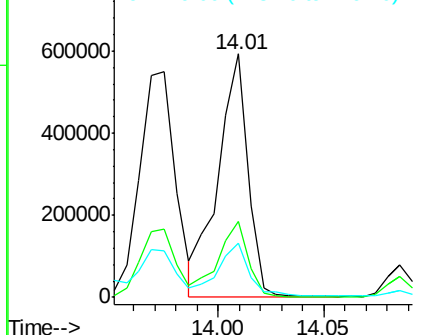
Tot Ion:	228	Resp:	578559
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.2	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.951 ng m

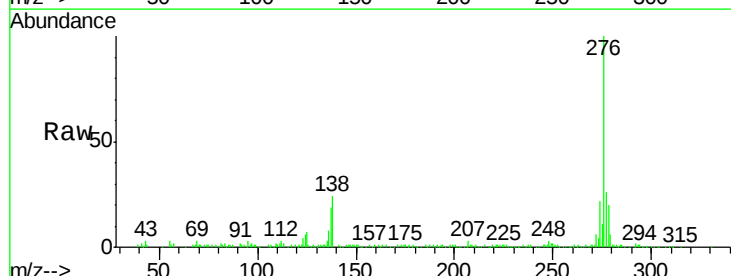
RT: 16.89 min Scan# 2517

Delta R.T. 0.00 min

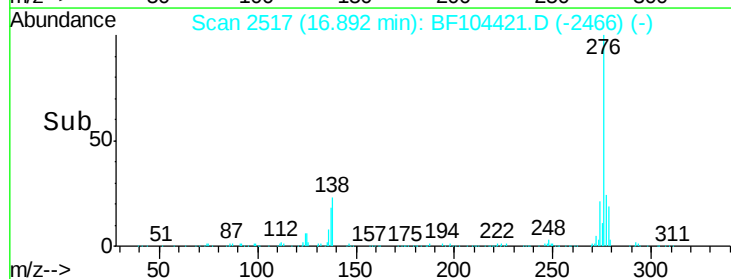
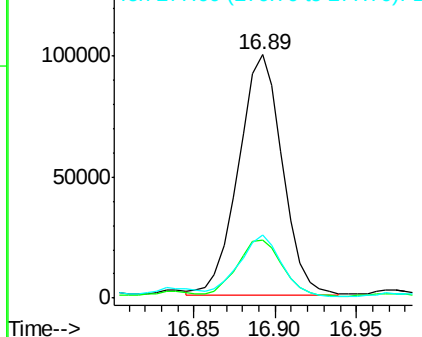
Lab File: BF104421.D

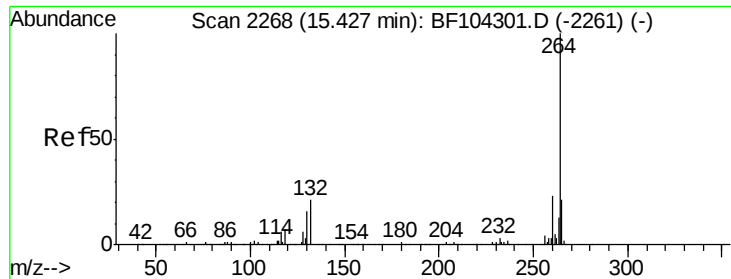
Acq: 10 Apr 2018 21:39

Tgt Ion:	276	Resp:	187107
Ion Ratio	Lower	Upper	
276	100		
138	5.6	25.0	37.6#
277	4.9	20.1	30.1#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





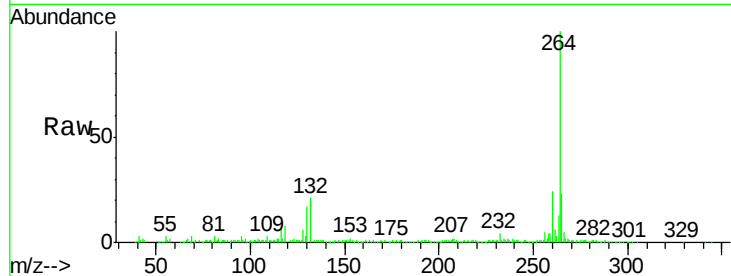
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

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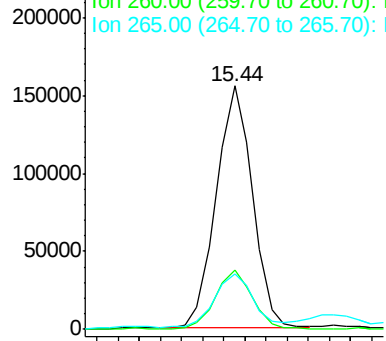


Abundance

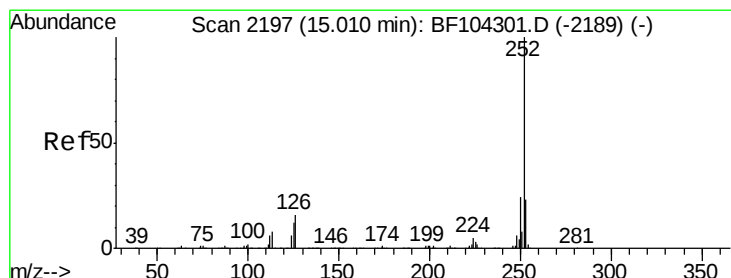
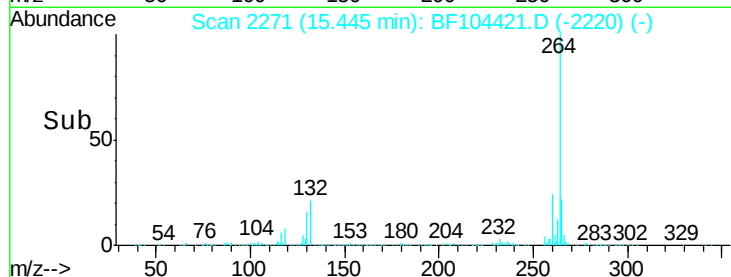
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87
Benzo(b)fluoranthene
Concen: 46.701 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

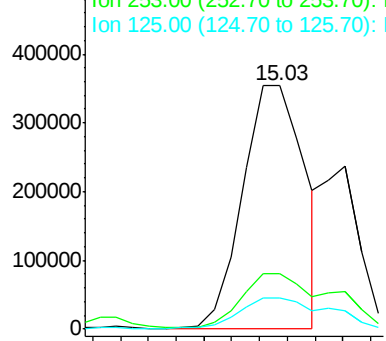
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.0	9.0	13.6

Abundance

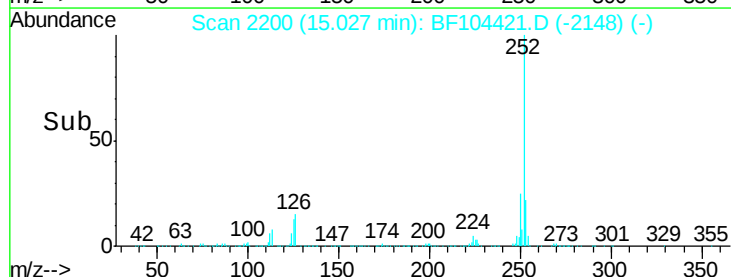
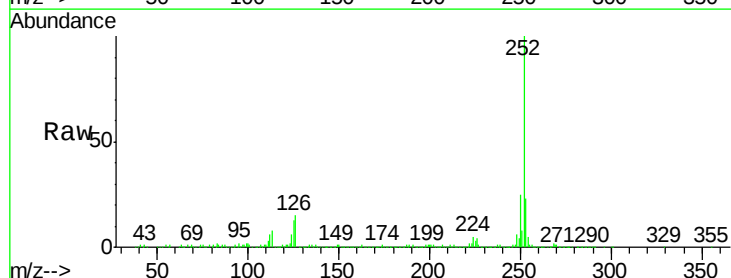
Ion 252.00 (251.70 to 252.70): E

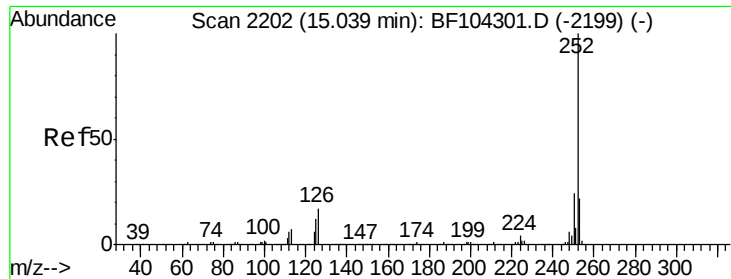
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(k)fluoranthene

Concen: 19.033 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Instrument :

BNA_F

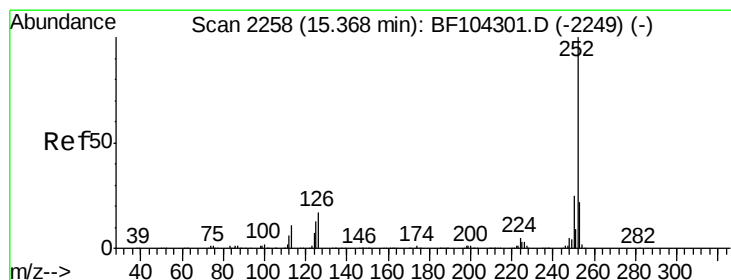
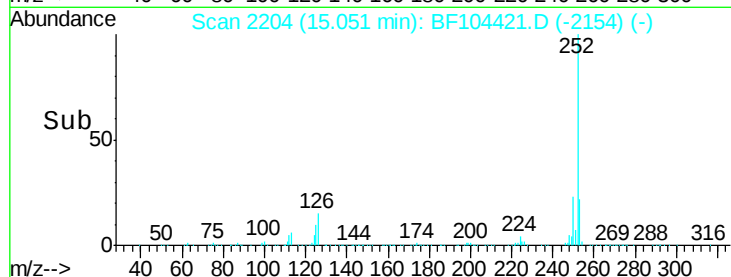
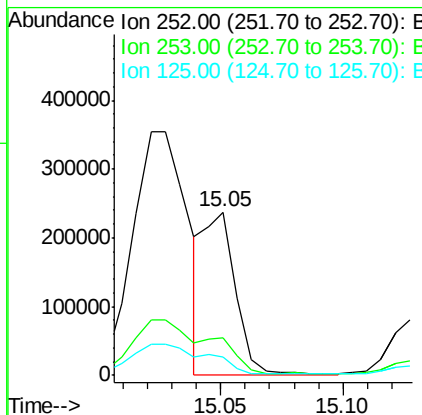
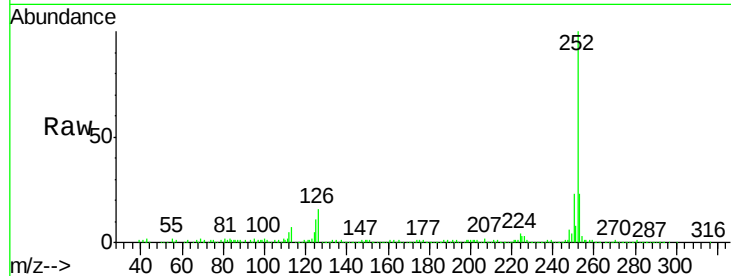
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-1DL

Tot Ion:	252	Resp:	211126
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	11.0	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 34.291 ng

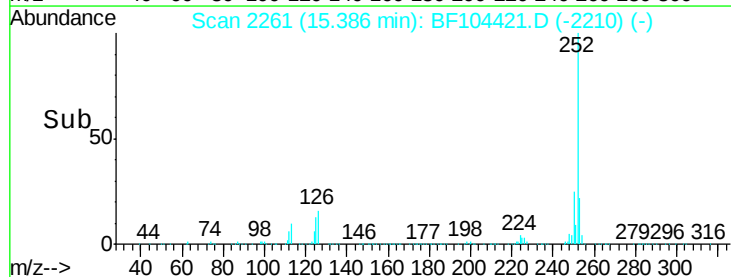
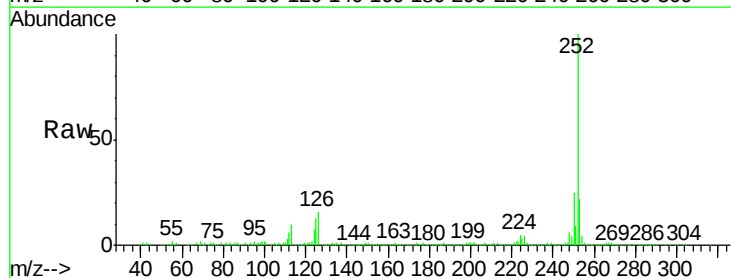
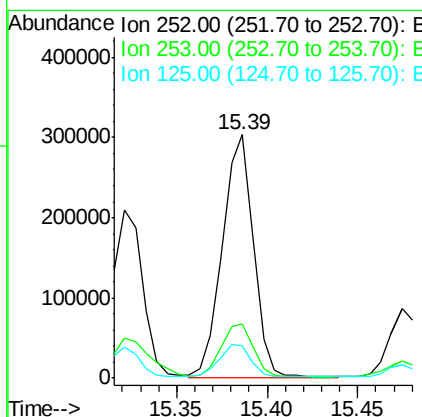
RT: 15.39 min Scan# 2261

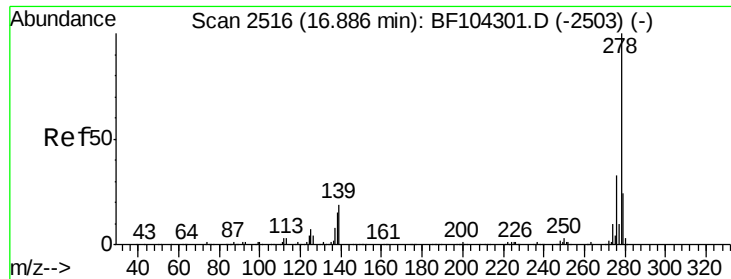
Delta R.T. 0.00 min

Lab File: BF104421.D

Acq: 10 Apr 2018 21:39

Tgt Ion:	252	Resp:	360499
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	13.3	9.8	14.6





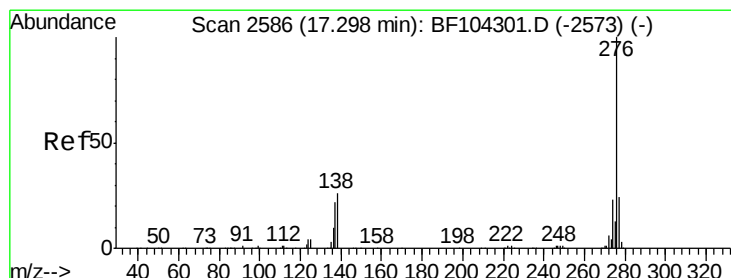
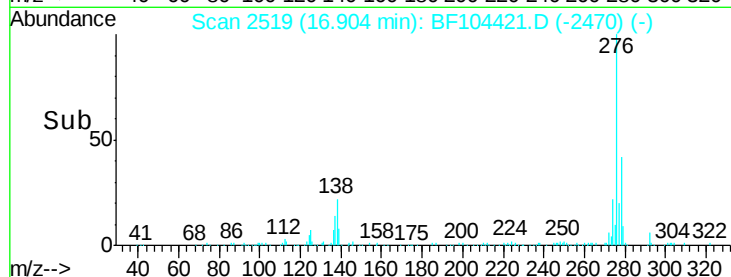
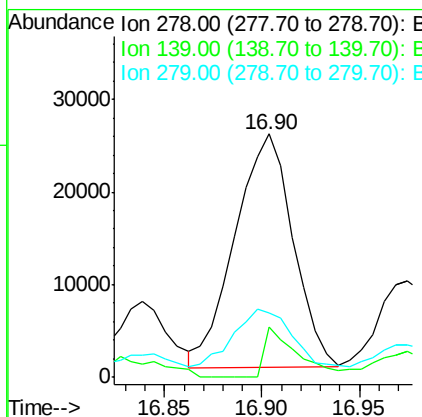
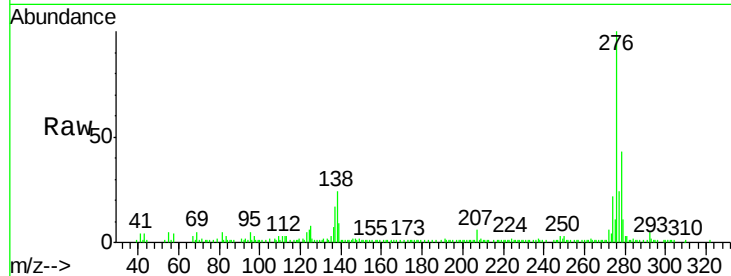
#90
Dibenzo(a,h)anthracene
Concen: 6.003 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	15.9	23.9
279	26.4	19.0	28.4

Manual Integrations
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Sohil
4/11/2018 5:17:12 PM



#91
Benzo(g,h,i)perylene
Concen: 21.291 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF104421.D
Acq: 10 Apr 2018 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	24.1	21.8	32.8

