

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104706.D
 Acq On : 23 Apr 2018 13:48
 Operator : JU/SJ
 Sample : J2482-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:48:33 PM

Quant Time: Apr 23 16:08:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111731	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	427870	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	170271	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	227859	20.00	ng	0.02
75) Chrysene-d12	14.02	240	152265	20.00	ng	0.03
86) Perylene-d12	15.50	264	127972	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	649100	88.83	ng	0.02
7) Phenol-d6	6.46	99	781296	87.02	ng	0.01
23) Nitrobenzene-d5	7.37	82	451435	68.89	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	147667	83.60	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	781759	72.53	ng	0.00
78) Terphenyl-d14	12.95	244	486131	72.79	ng	0.03
Target Compounds						
10) Phenol	6.47	94	38628	4.055	ng	Qvalue 92
30) 1,2,4-Trichlorobenzene	8.03	180	105005	16.398	ng	98
31) Naphthalene	8.12	128	94842	4.451	ng	99
37) 2-Methylnaphthalene	8.80	142	54942	3.987	ng	97
48) Acenaphthylene	9.71	152	158416	8.937	ng	99
49) Dimethylphthalate	9.56	163	58597	4.364	ng	97
51) Acenaphthene	9.88	154	80294	7.424	ng	99
54) Dibenzofuran	10.06	168	66060	4.383	ng	# 97
57) Fluorene	10.40	166	123975	11.300	ng	97
70) Phenanthrene	11.38	178	1170490	92.242	ng	99
71) Anthracene	11.43	178	391695	30.367	ng	98
72) Carbazole	11.59	167	102563	8.137	ng	# 92
74) Fluoranthene	12.60	202	1681111	126.801	ng	98
77) Pyrene	12.83	202	1514036	134.147	ng	98
80) Benzo(a)anthracene	14.01	228	889815	97.820	ng	95
82) Chrysene	14.05	228	549025	58.760	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	409464m	51.588	ng	
87) Benzo(b)fluoranthene	15.07	252	822519m	101.766	ng	
88) Benzo(k)fluoranthene	15.10	252	224874m	29.470	ng	
89) Benzo(a)pyrene	15.44	252	549156	75.936	ng	# 94
90) Dibenzo(a,h)anthracene	16.99	278	96193	16.195	ng	# 90
91) Benzo(g,h,i)perylene	17.44	276	373469	64.902	ng	97

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

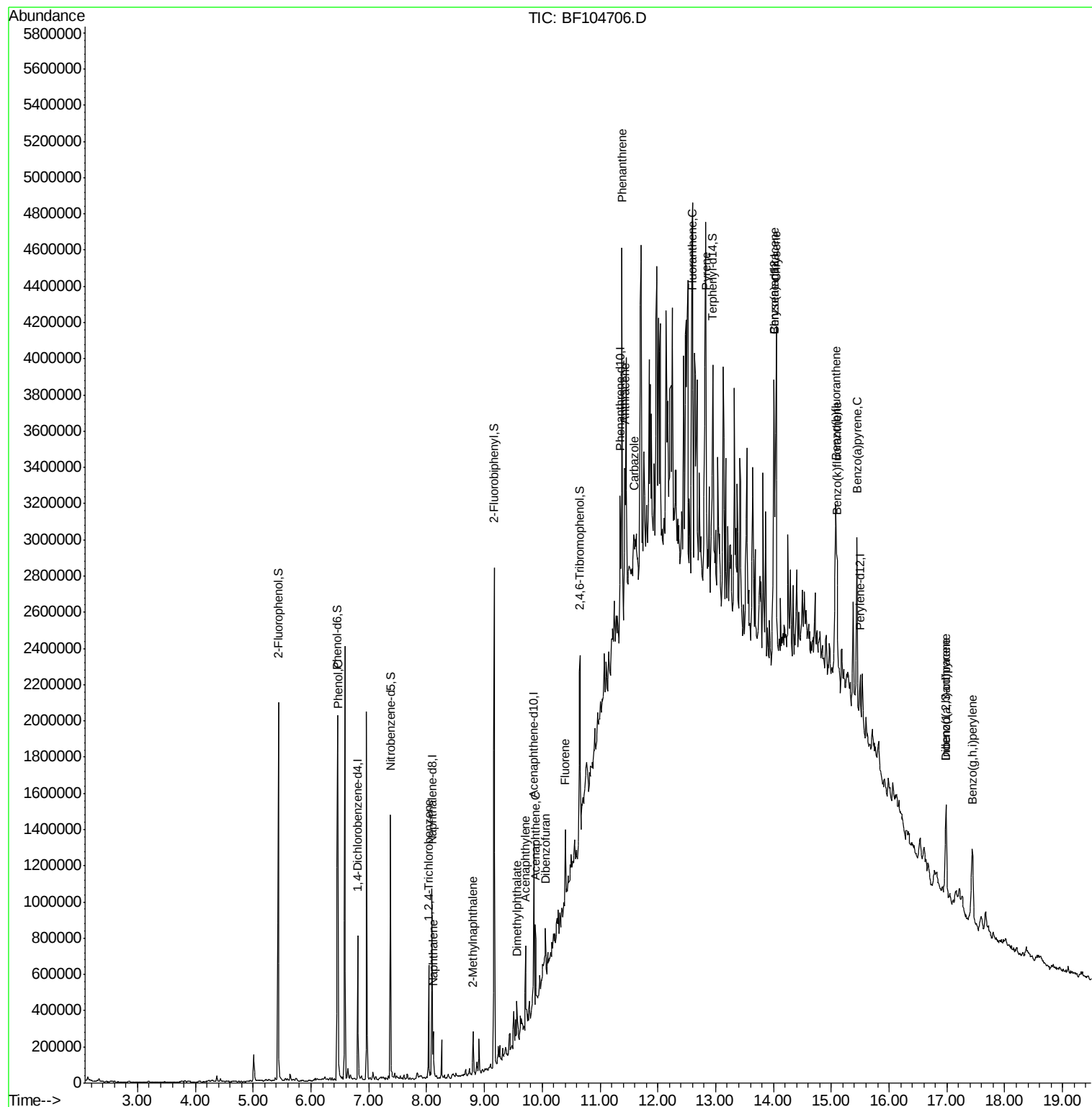
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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Sample : J2482-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

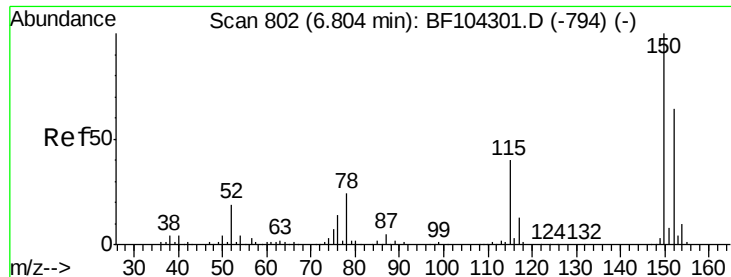
Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

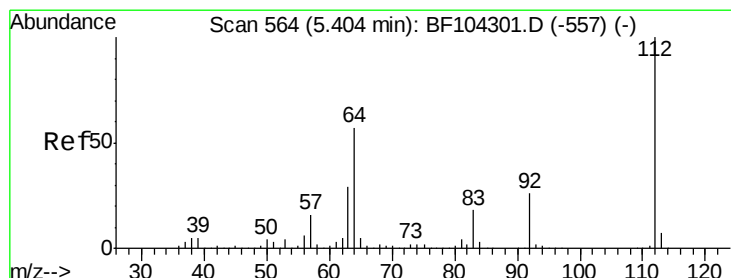
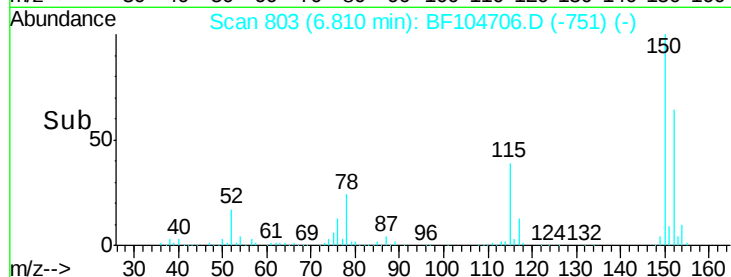
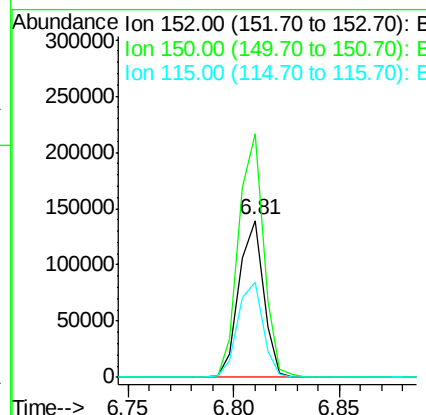
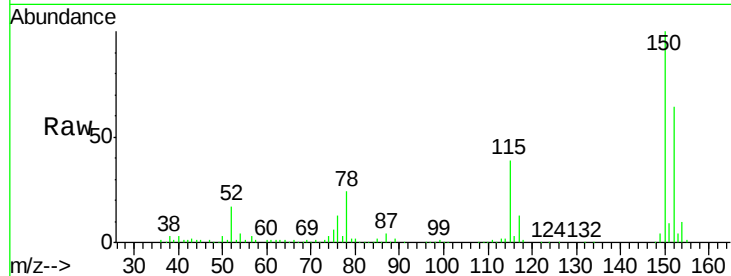
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.8	50.1	75.1

Manual Integrations
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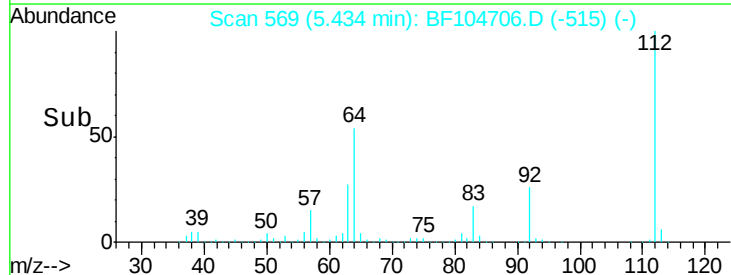
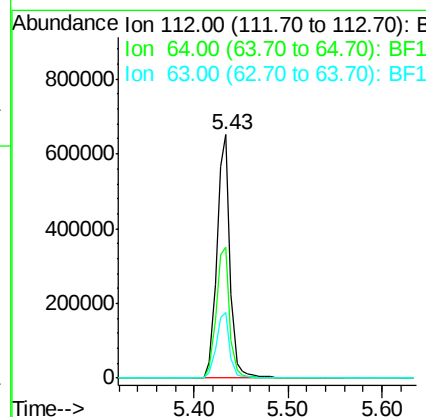
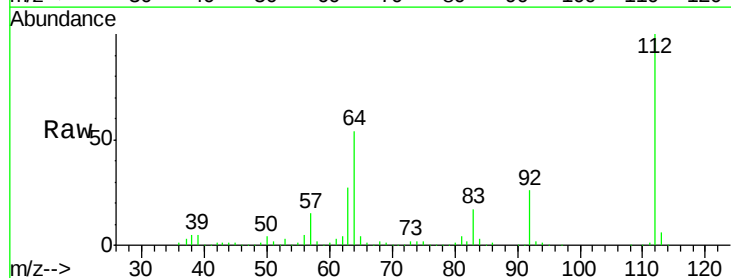
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#5

2-Fluorophenol
Concen: 88.830 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	27.1	23.7	35.5





#7

Phenol-d6

Concen: 87.022 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

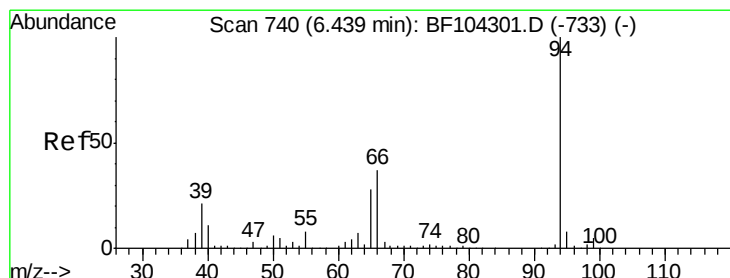
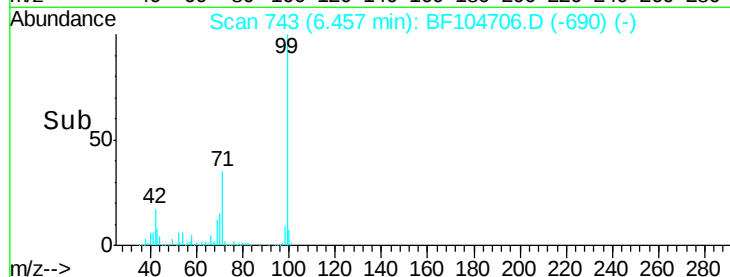
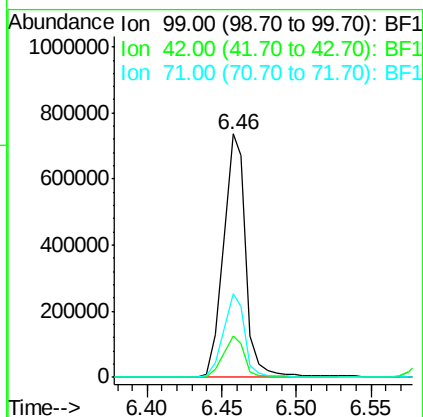
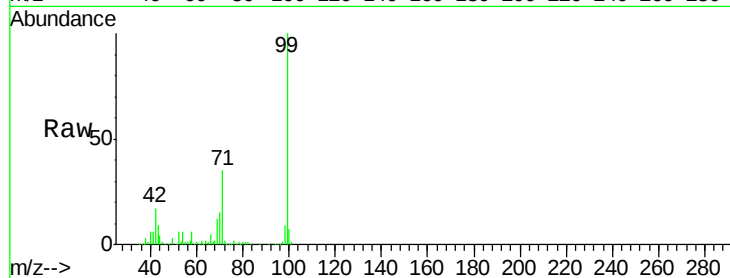
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion:	99	Resp:	781296
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	34.5	25.4	38.0

Manual Integrations
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#10

Phenol

Concen: 4.055 ng

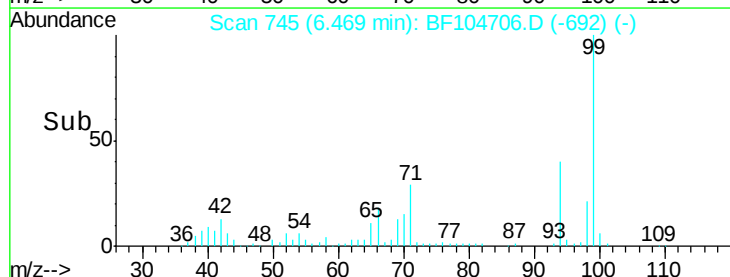
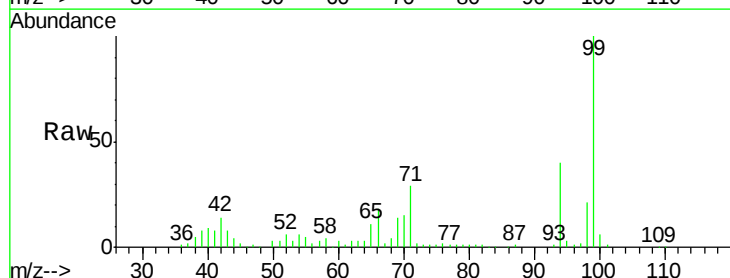
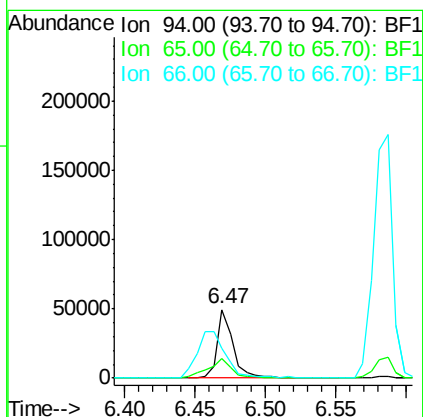
RT: 6.47 min Scan# 745

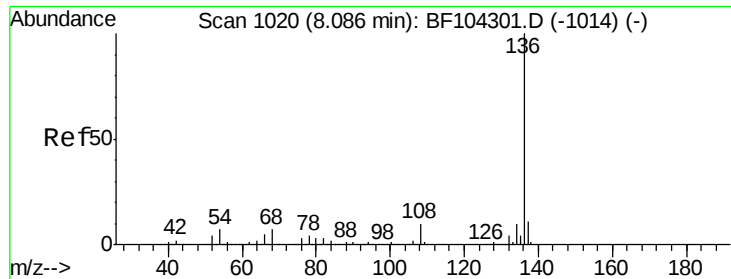
Delta R.T. 0.01 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Tgt Ion:	94	Resp:	38628
Ion Ratio	Lower	Upper	
94	100		
65	28.1	7.9	47.9
66	44.3	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

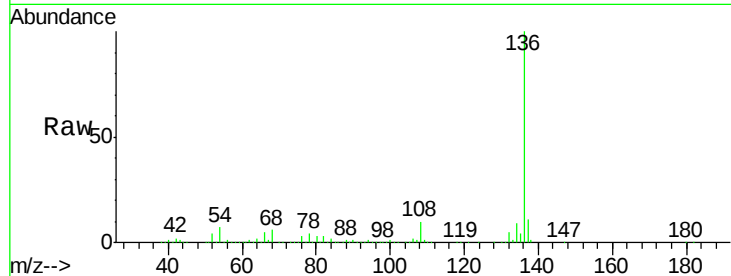
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.8	8.9	13.3		
54	7.1	6.6	9.8		
68	5.9	5.0	7.4		

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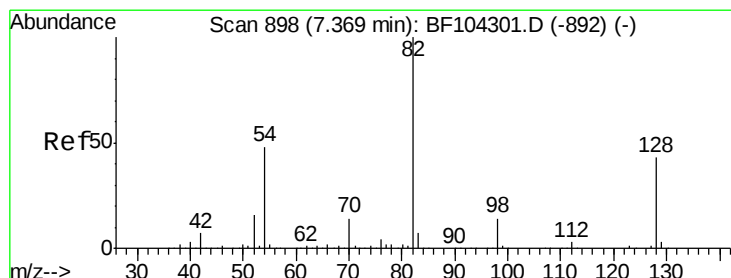
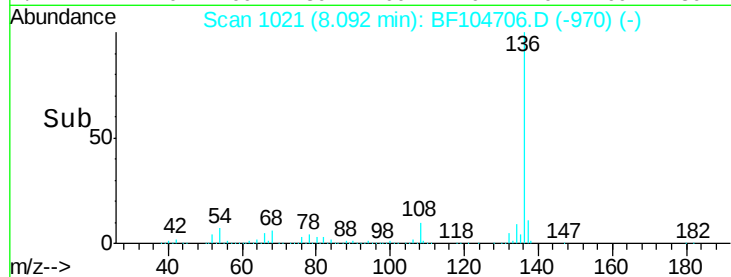
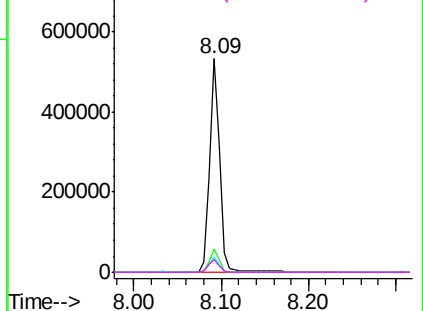


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 68.894 ng

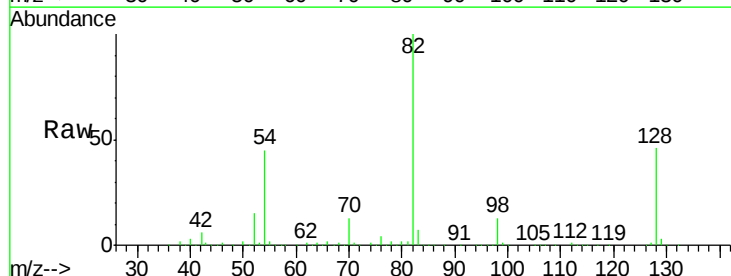
RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

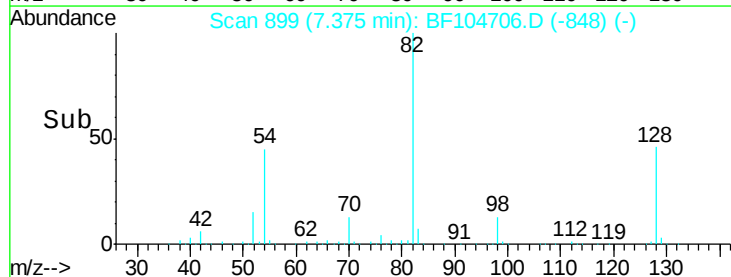
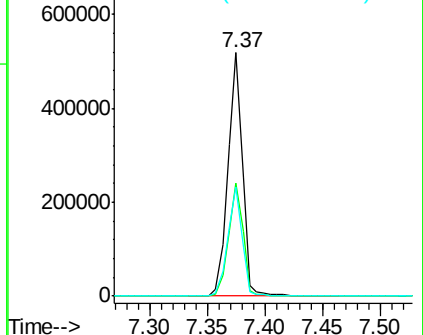
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	46.4	36.1	54.1		
54	44.7	41.4	62.2		

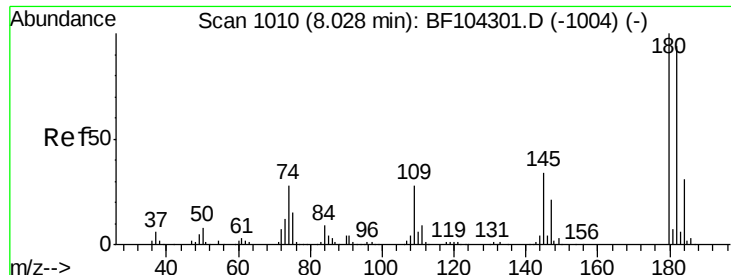


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





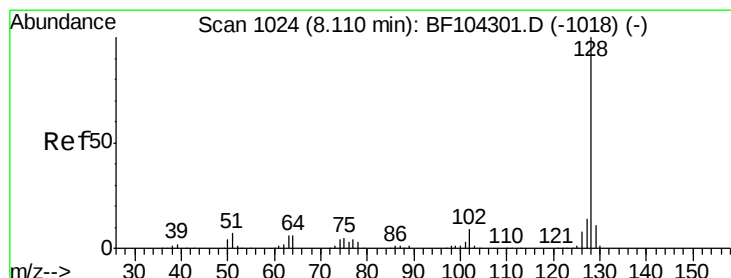
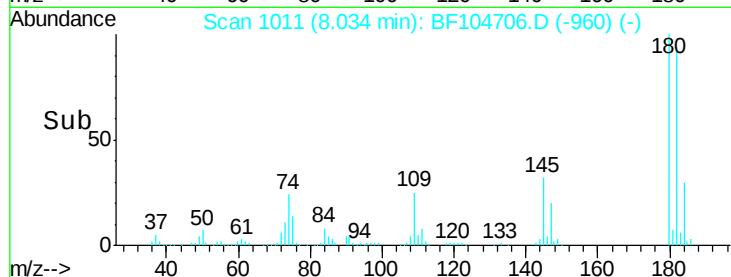
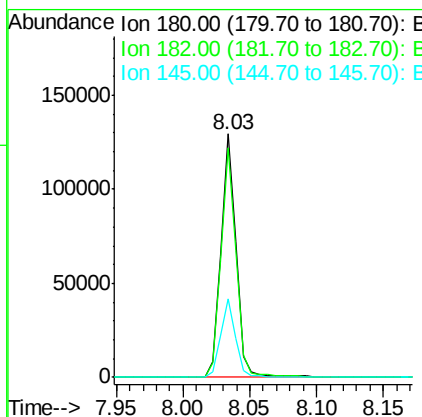
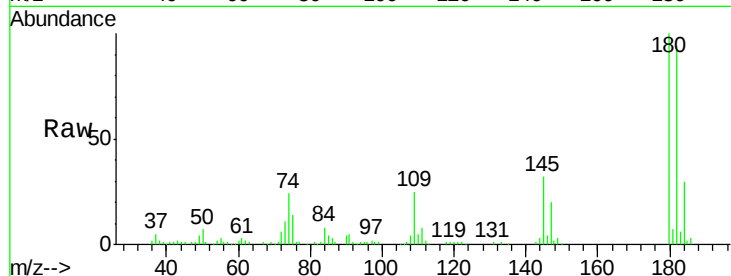
#30
 1,2,4-Trichlorobenzene
 Concen: 16.398 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

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

Tot Ion:	180	Resp:	105005
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.8	115.2
145	32.3	26.5	39.7

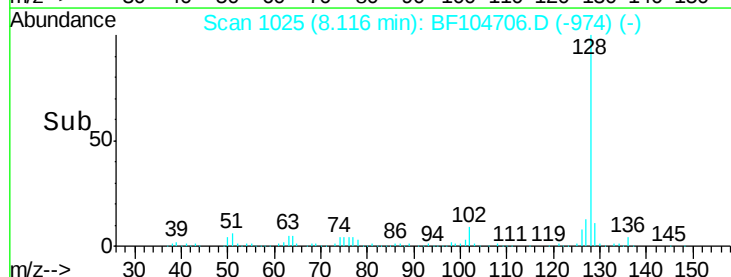
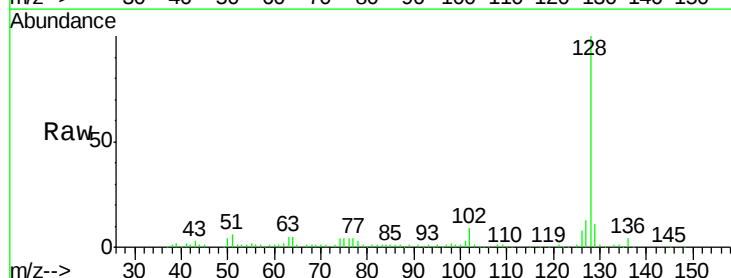
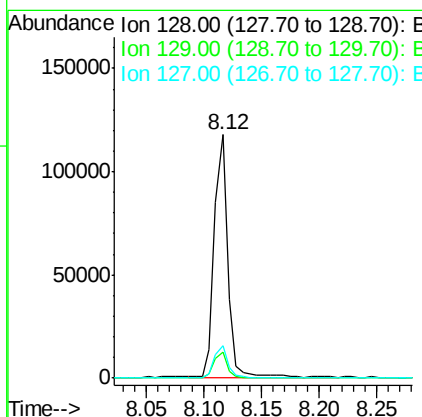
Manual Integrations
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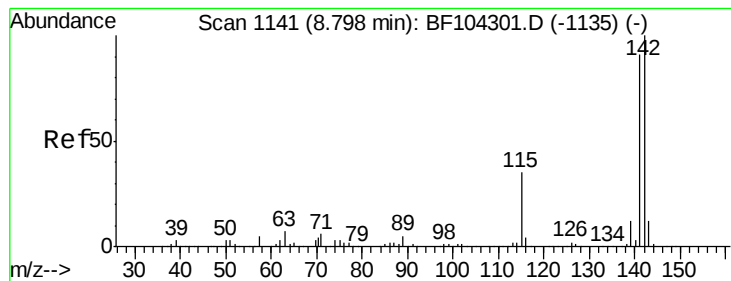
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#31
 Naphthalene
 Concen: 4.451 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

Tgt Ion:	128	Resp:	94842
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.8	13.2
127	13.4	10.9	16.3





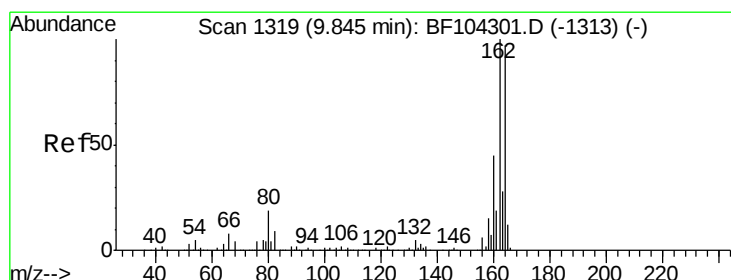
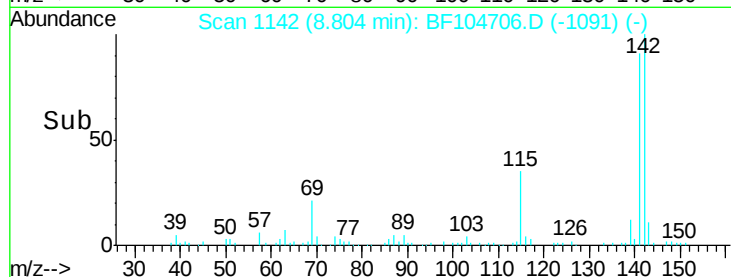
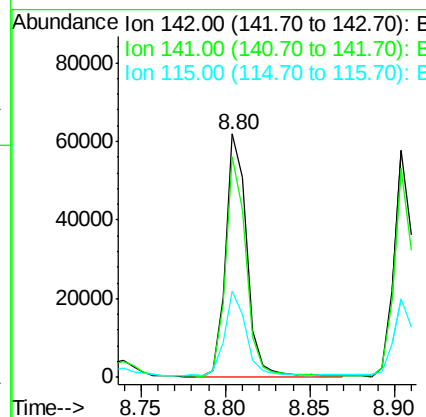
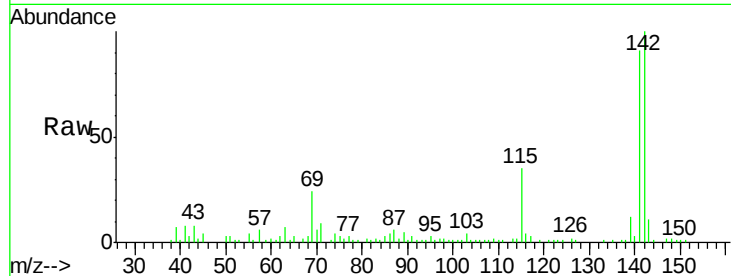
#37
2-Methylnaphthalene
Concen: 3.987 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.8	106.2
115	35.3	26.1	39.1

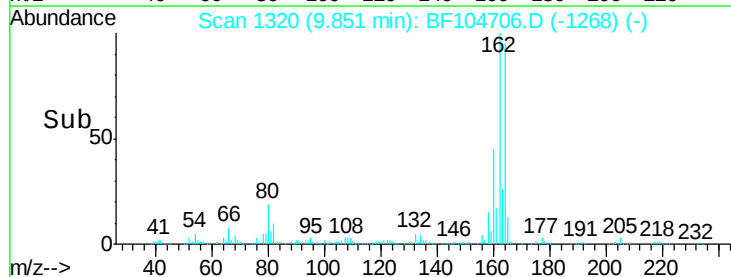
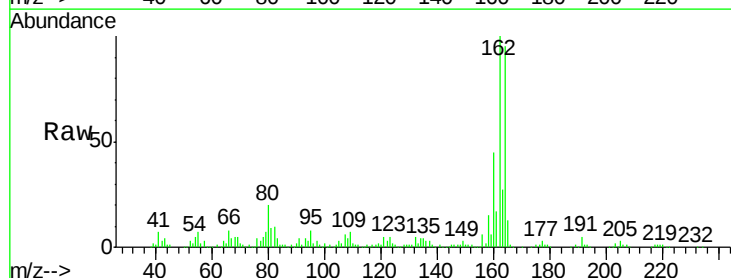
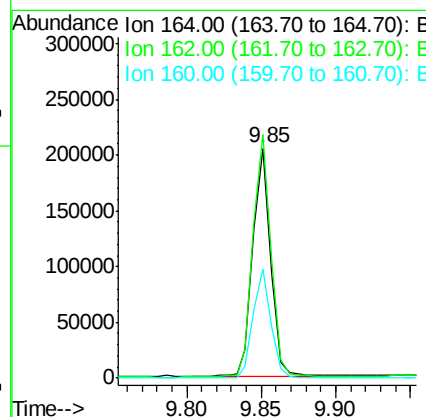
Manual Integrations
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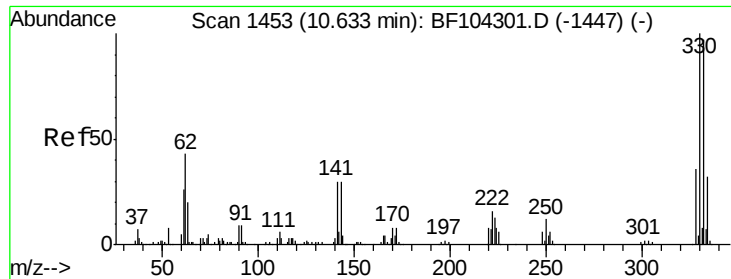
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	47.3	38.3	57.5





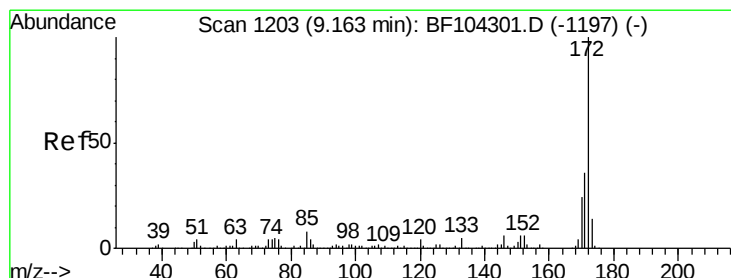
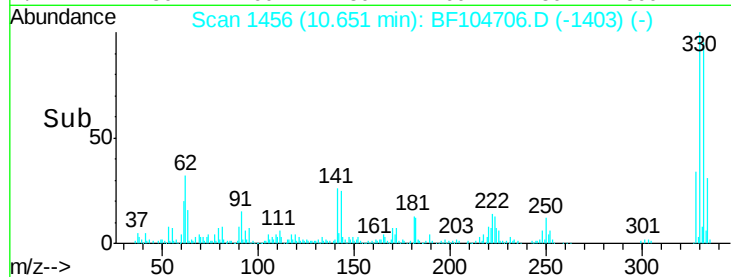
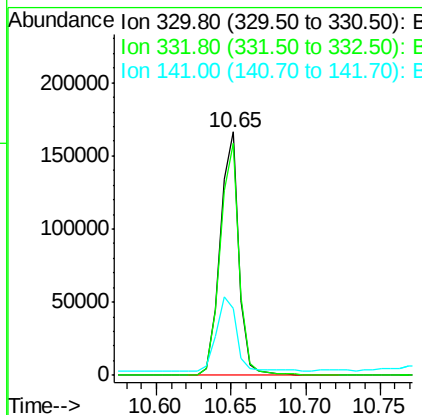
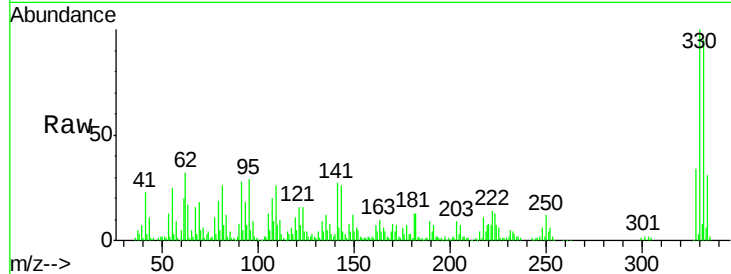
#41
 2,4,6-Tribromophenol
 Concen: 83.604 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	147667		
332	96.6	77.0	115.6	
141	33.0	29.9	44.9	

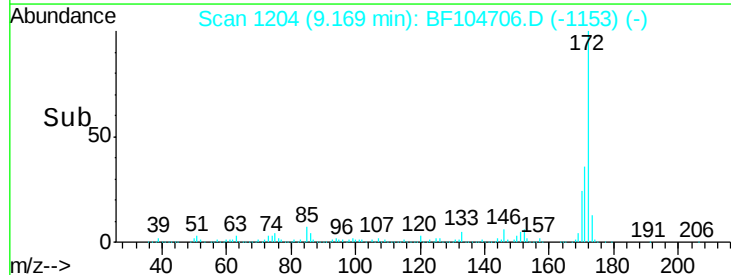
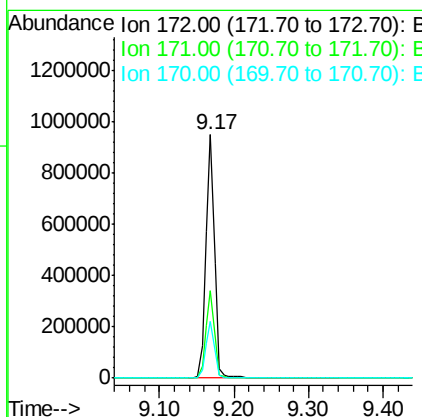
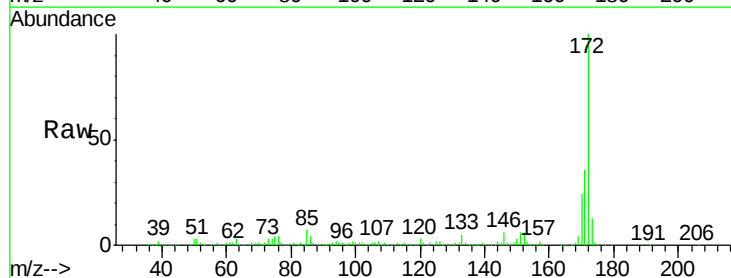
Manual Integrations
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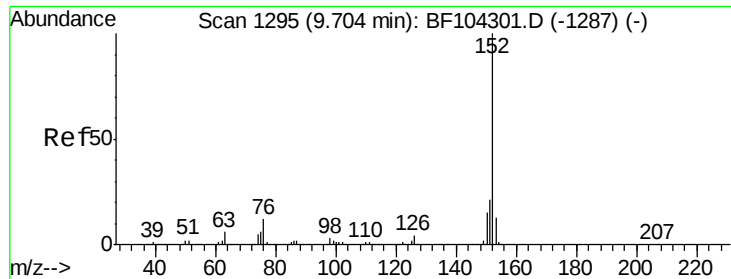
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#44
 2-Fluorobiphenyl
 Concen: 72.531 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	781759		
171	36.1	29.7	44.5	
170	23.5	19.6	29.4	





#48

Acenaphthylene

Concen: 8.937 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

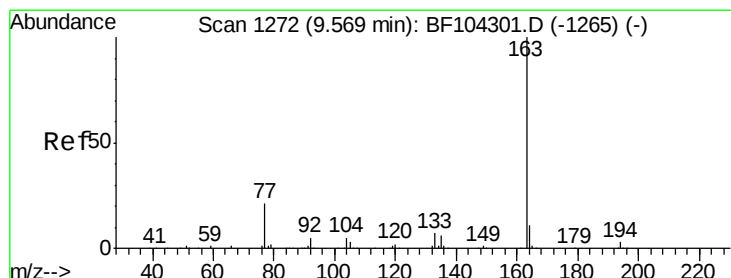
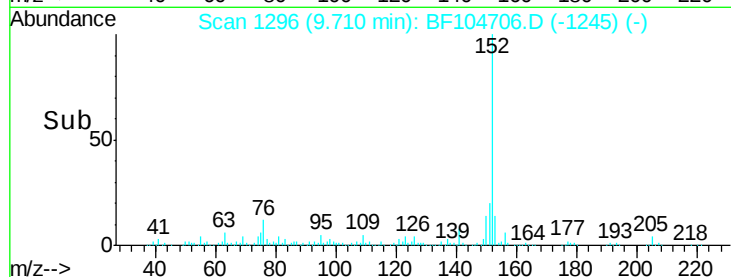
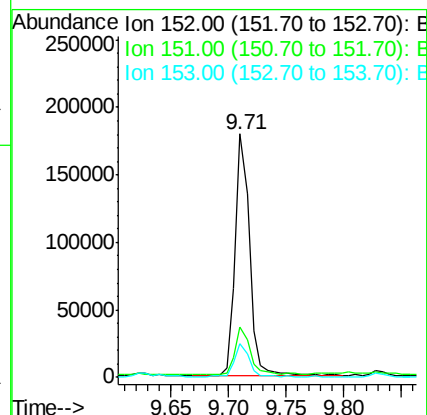
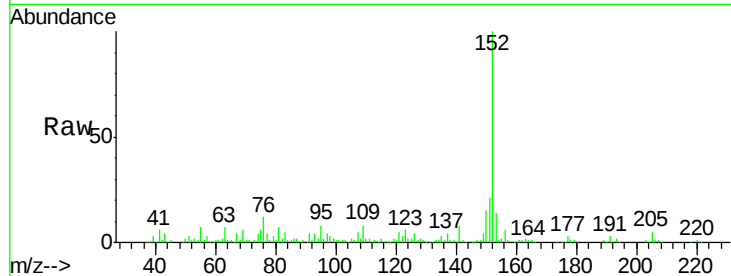
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion:	152	Resp:	158416
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.3	24.5
153	14.0	10.7	16.1

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#49

Dimethylphthalate

Concen: 4.364 ng

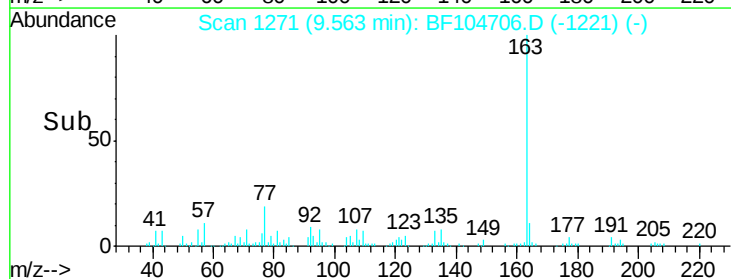
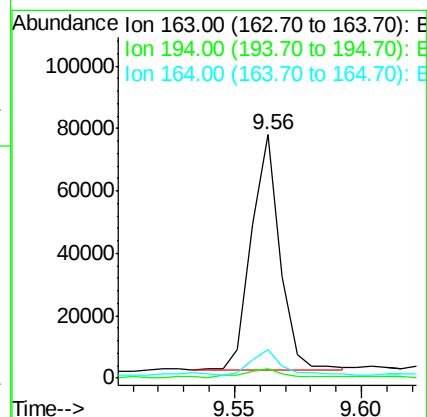
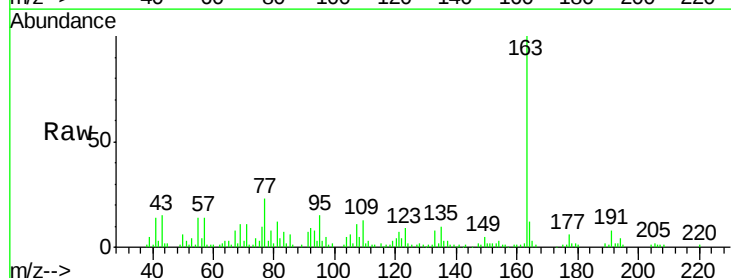
RT: 9.56 min Scan# 1271

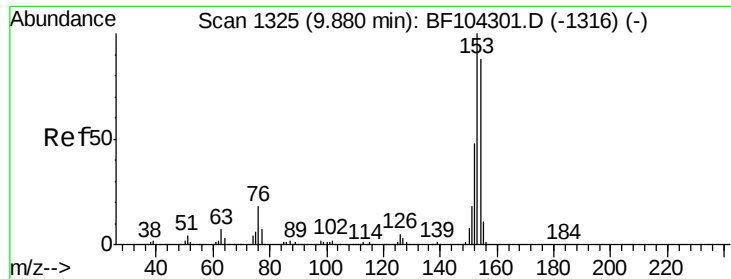
Delta R.T. -0.01 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Tgt Ion:	163	Resp:	58597
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	11.7	8.2	12.2





#51

Acenaphthene

Concen: 7.424 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

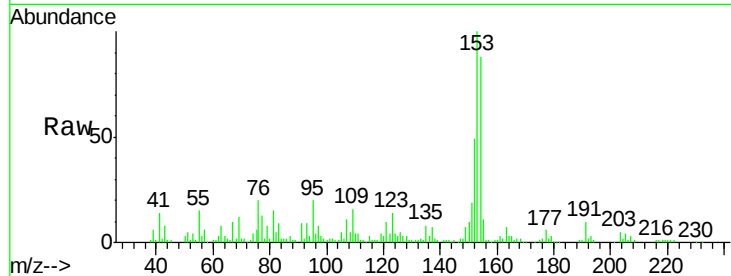
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

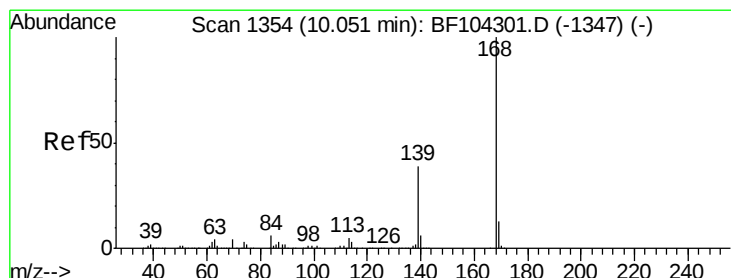
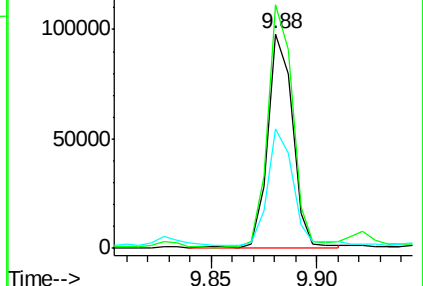
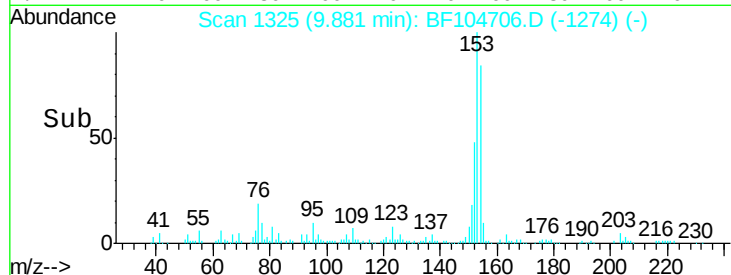
Tot Ion:	154	Resp:	80294
Ion Ratio	Lower	Upper	
154	100		
153	113.6	91.2	136.8
152	55.7	43.8	65.8

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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: 4.383 ng

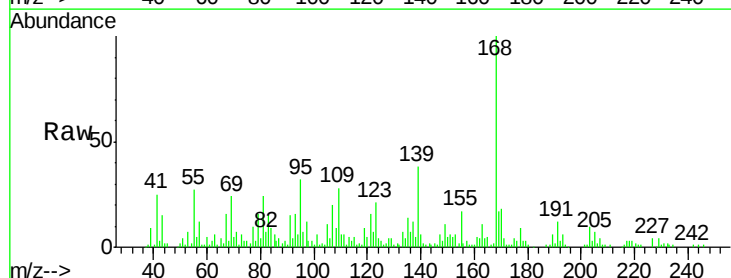
RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

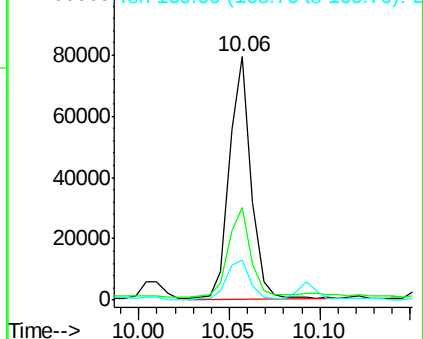
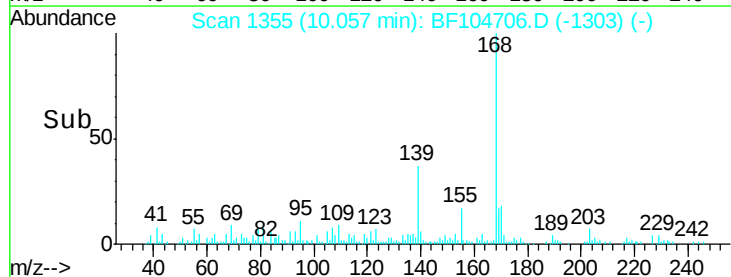
Lab File: BF104706.D

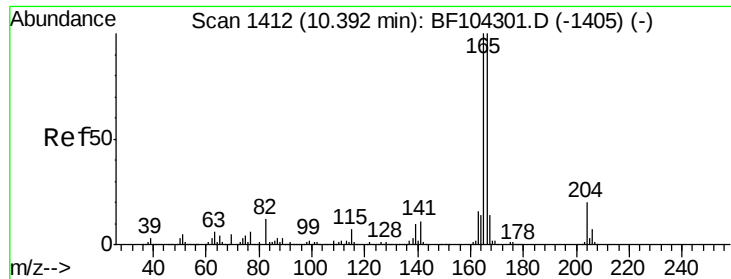
Acq: 23 Apr 2018 13:48

Tgt Ion:	168	Resp:	66060
Ion Ratio	Lower	Upper	
168	100		
139	38.1	30.1	45.1
169	16.6	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: 11.300 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion:166 Resp: 123975

Ion Ratio Lower Upper

166 100

165 102.3 79.8 119.8

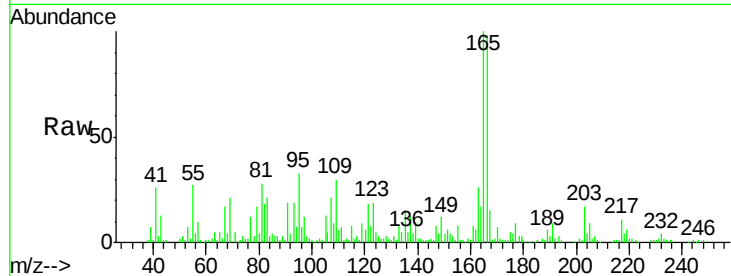
167 14.9 10.6 16.0

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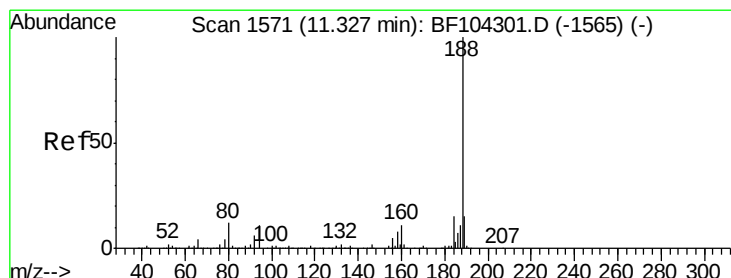
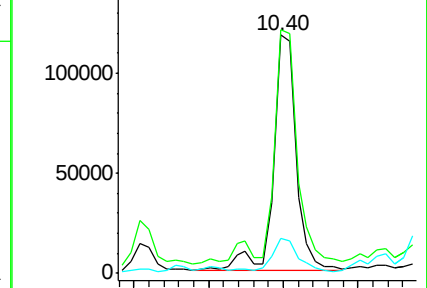
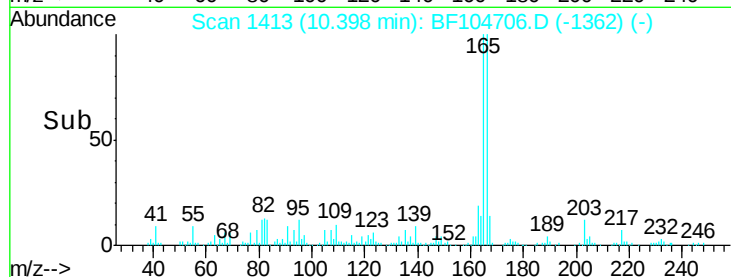
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.02 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

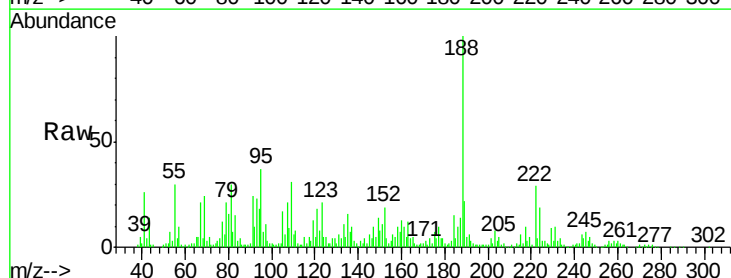
Tgt Ion:188 Resp: 227859

Ion Ratio Lower Upper

188 100

94 17.6 8.5 12.7#

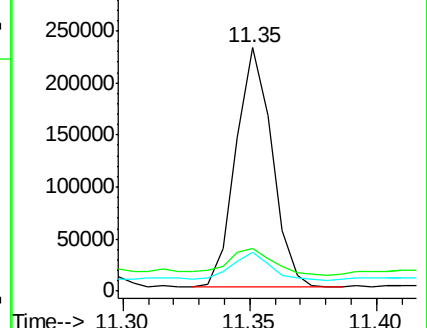
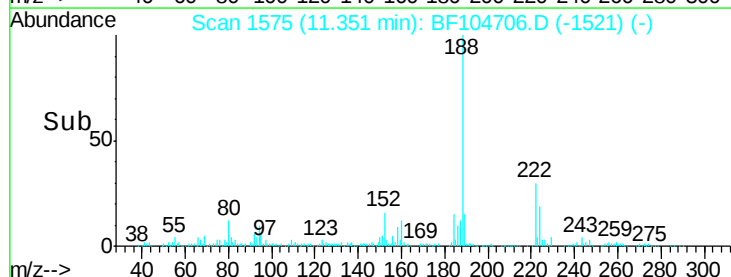
80 16.0 9.2 13.8#

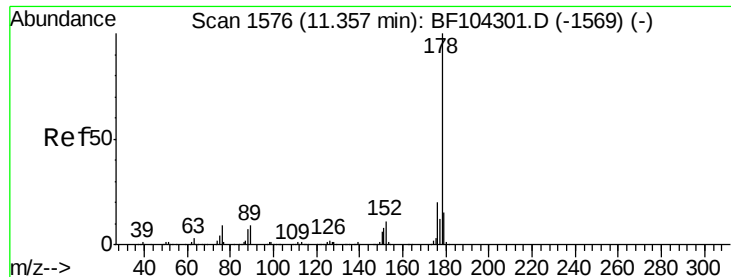


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 92.242 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.02 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion:178 Resp: 1170490

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.8

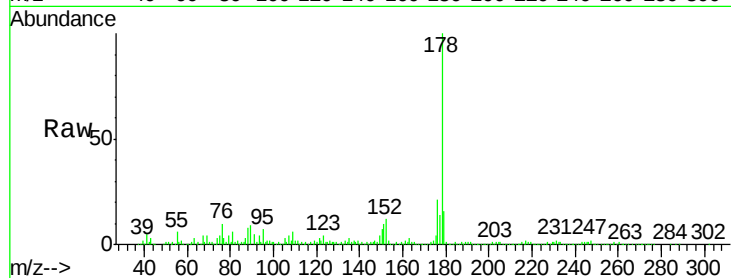
179 16.2 13.0 19.6

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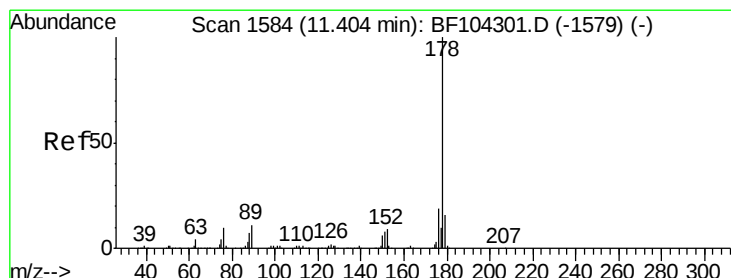
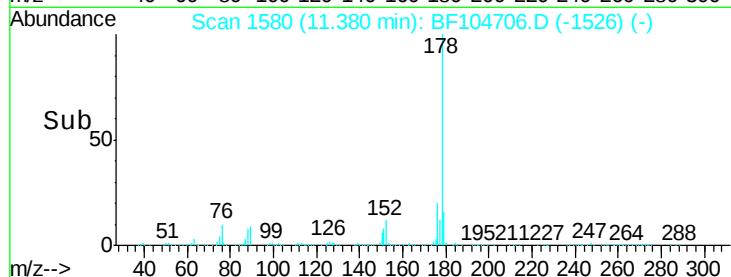
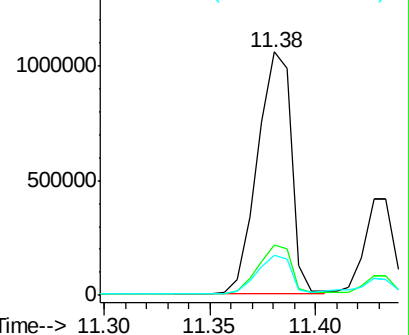
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 30.367 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

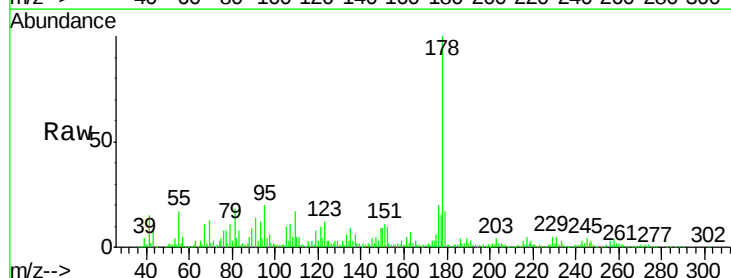
Tgt Ion:178 Resp: 391695

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.2

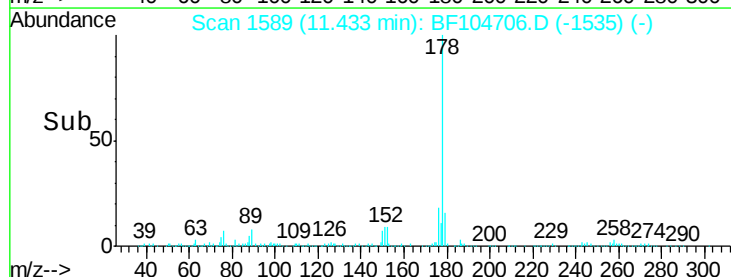
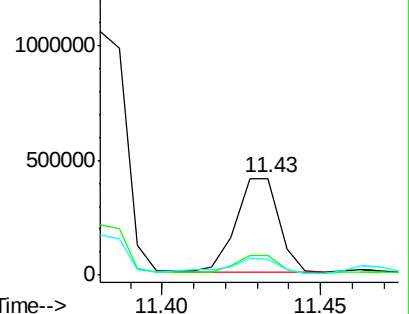
179 16.6 12.6 19.0

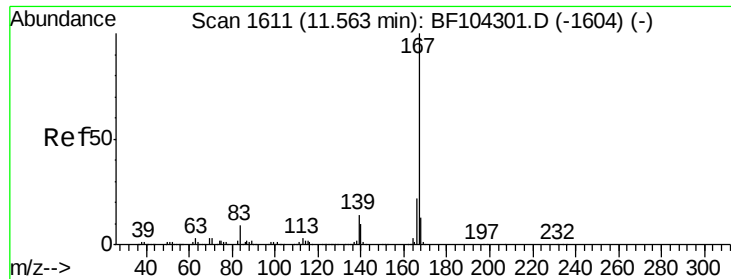


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





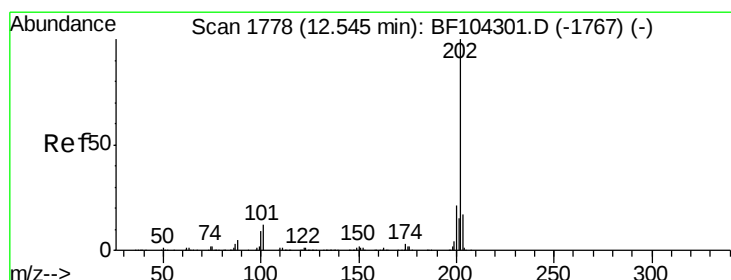
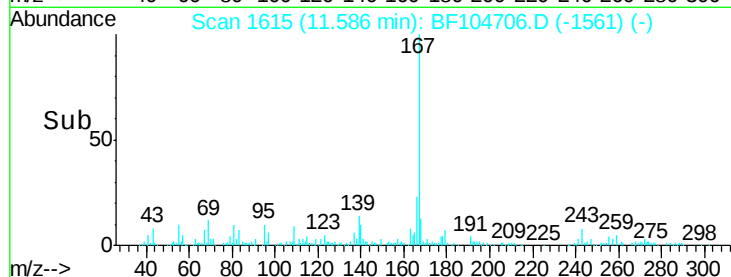
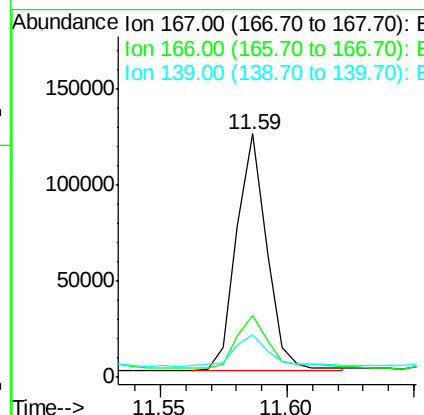
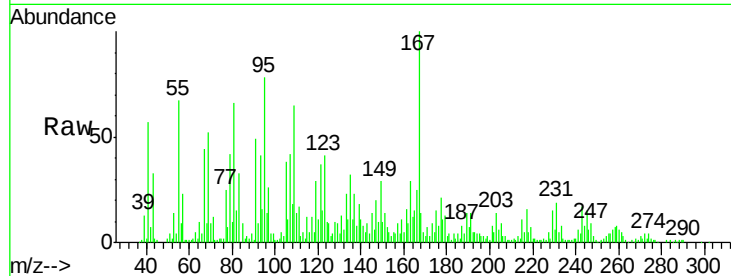
#72
 Carbazole
 Concen: 8.137 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.02 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	25.3		17.6	26.4	
139	17.7		10.9	16.3	

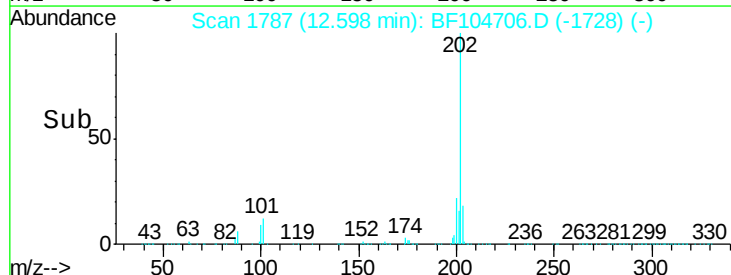
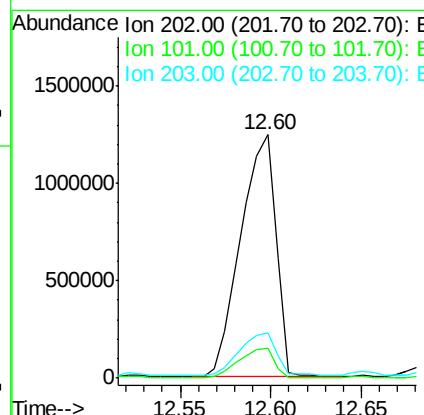
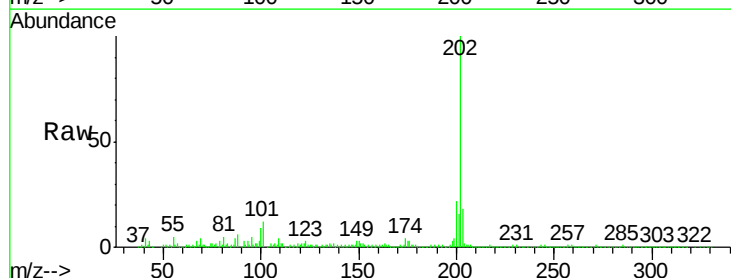
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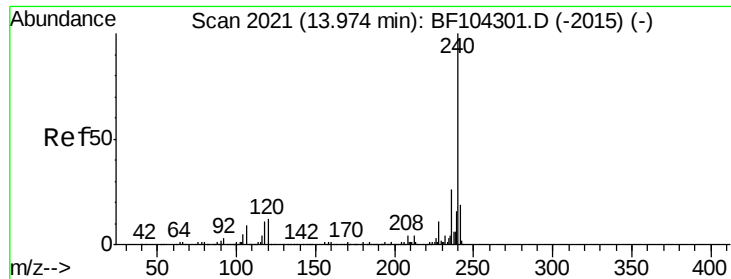
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#74
 Fluoranthene
 Concen: 126.801 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.05 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.3		0.0	34.1	
203	18.3		0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.03 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

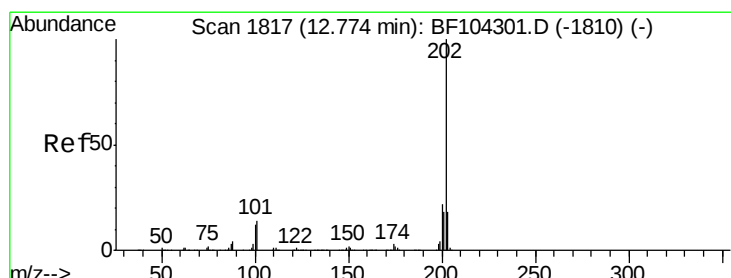
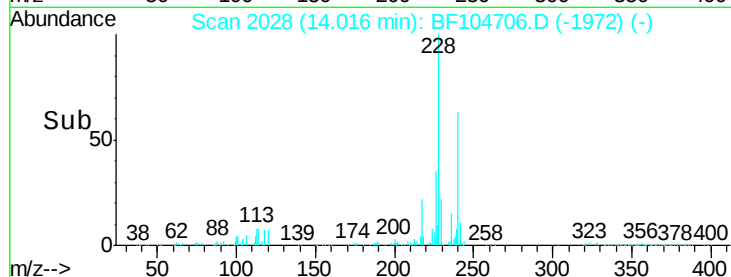
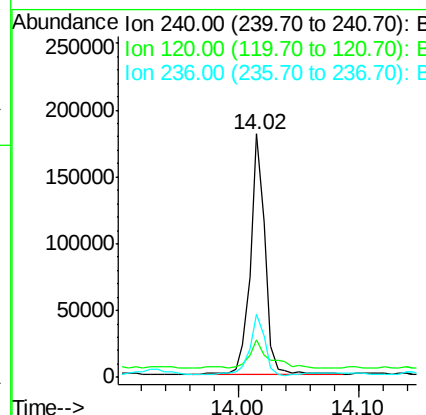
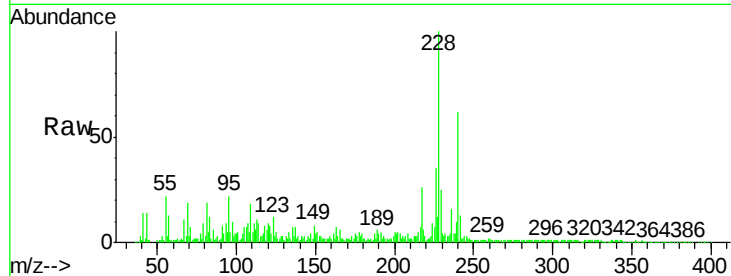
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion:	240	Resp:	152265
Ion Ratio	Lower	Upper	
240	100		
120	15.2	9.5	14.3#
236	26.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 134.147 ng

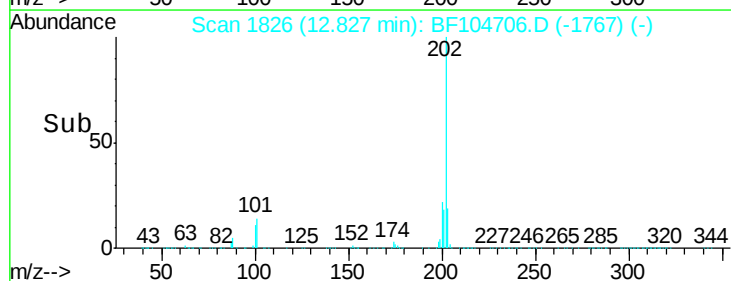
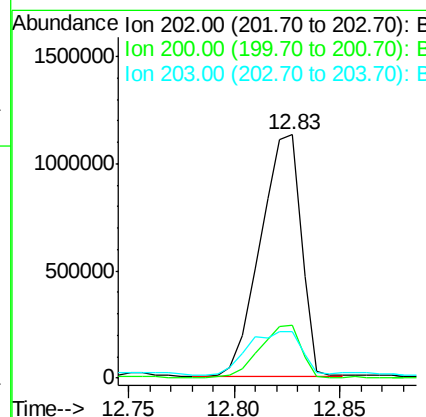
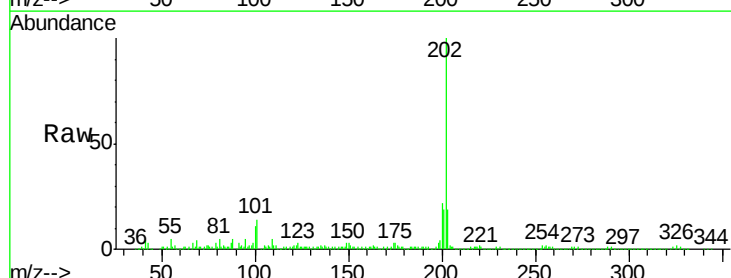
RT: 12.83 min Scan# 1826

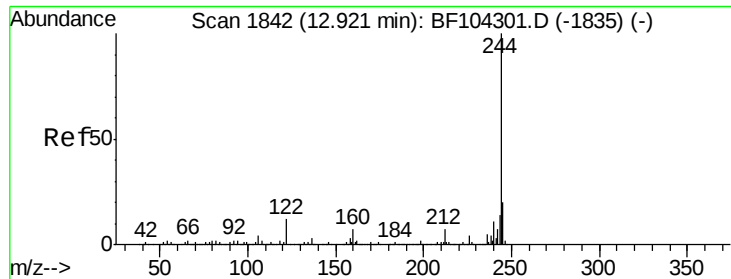
Delta R.T. 0.05 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Tgt Ion:	202	Resp:	1514036
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	19.3	14.3	21.5





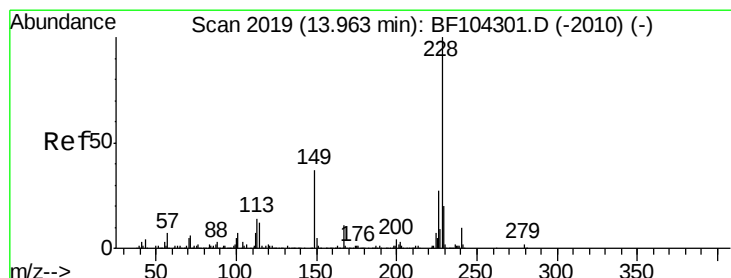
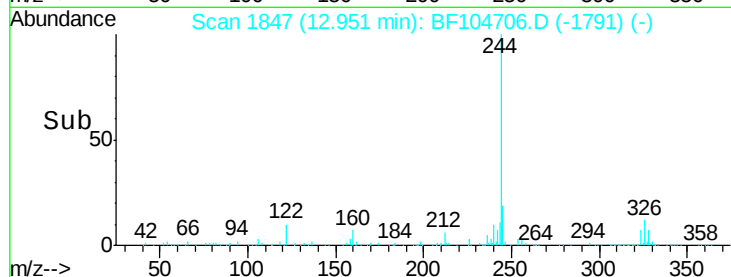
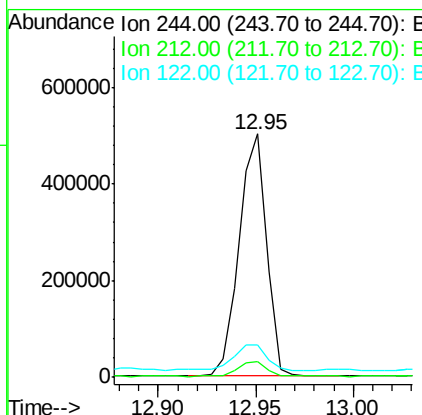
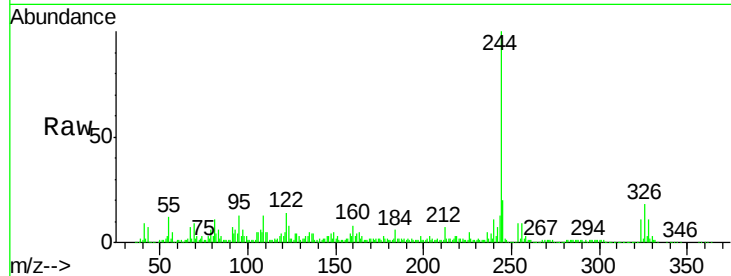
#78
 Terphenyl-d14
 Concen: 72.787 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.03 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.5	11.0	16.4

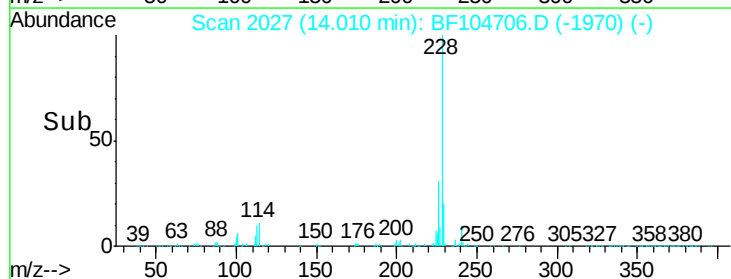
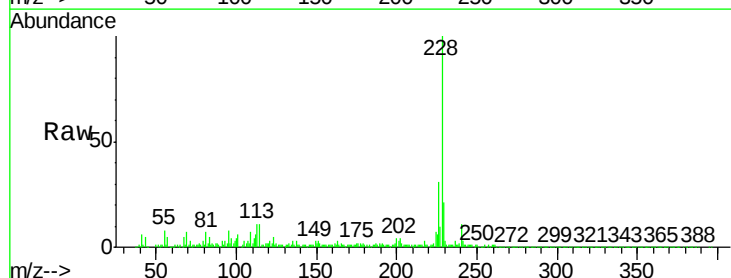
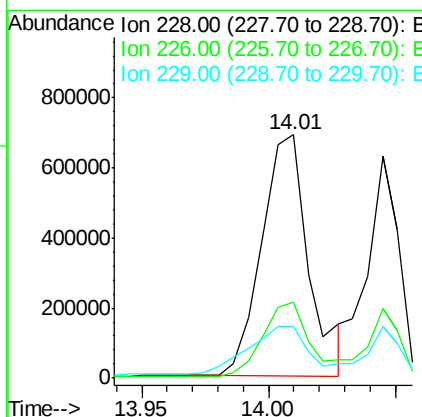
Manual Integrations
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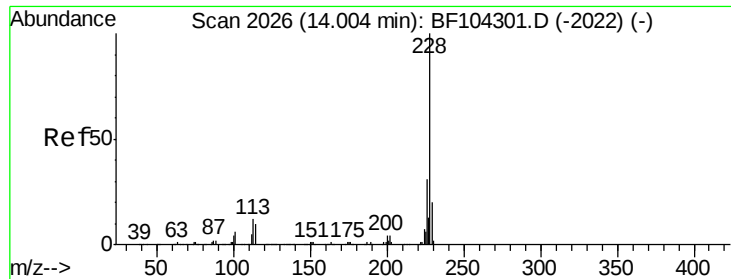
Sohil
 4/24/2018 3:48:33 PM



#80
 Benzo(a)anthracene
 Concen: 97.820 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.04 min
 Lab File: BF104706.D
 Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 58.760 ng

RT: 14.05 min Scan# 2033

Delta R.T. 0.04 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Instrument :

BNA_F

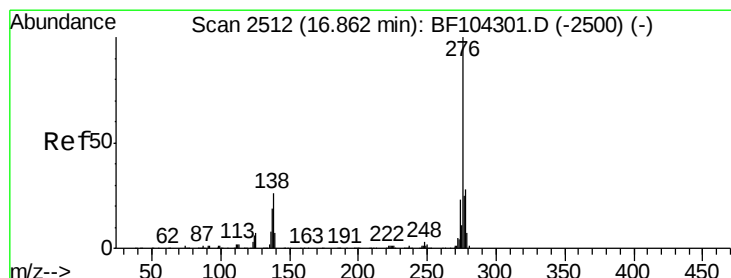
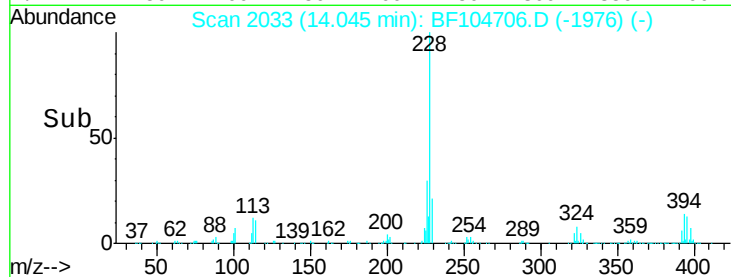
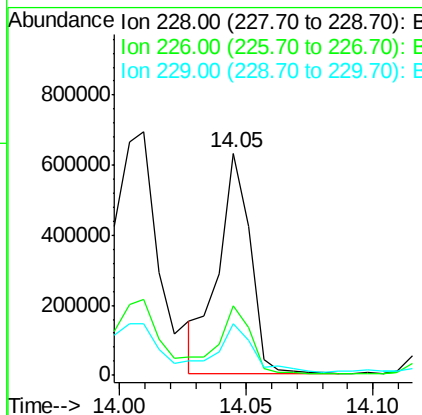
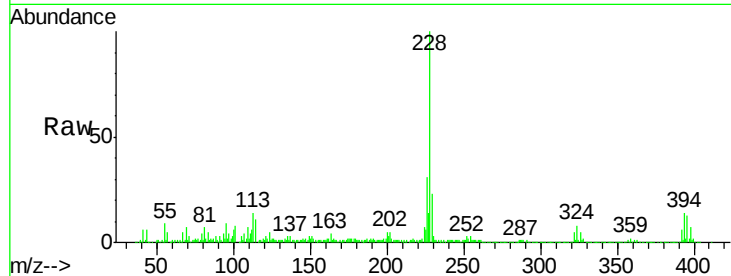
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3

Tot Ion:	228	Resp:	549025
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	23.5	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 51.588 ng m

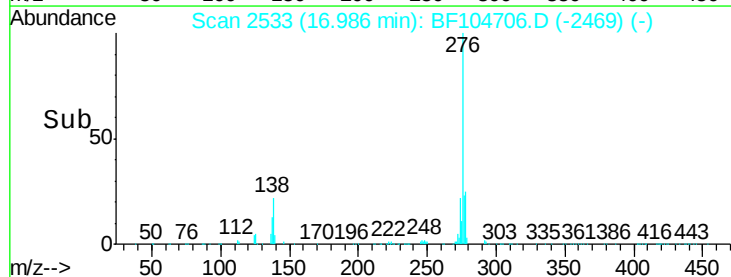
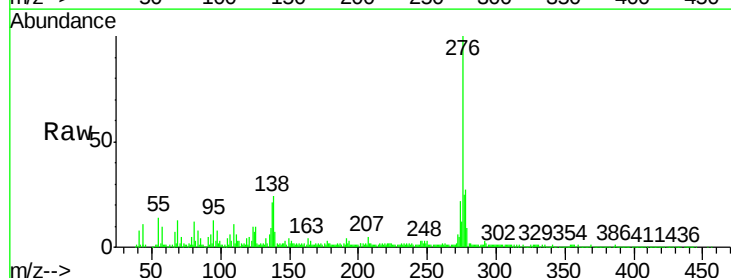
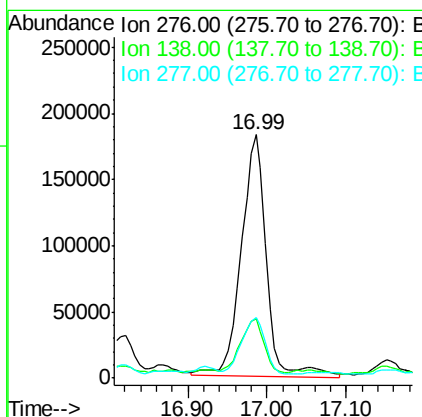
RT: 16.99 min Scan# 2533

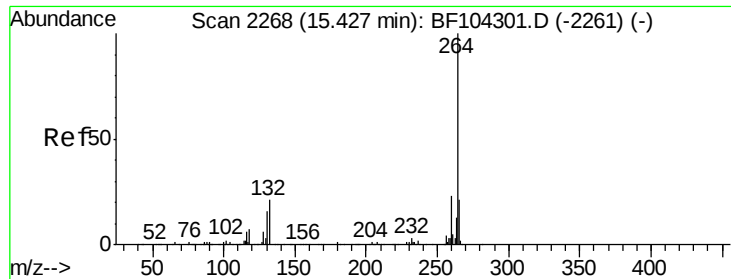
Delta R.T. 0.08 min

Lab File: BF104706.D

Acq: 23 Apr 2018 13:48

Tgt Ion:	276	Resp:	409464
Ion Ratio	Lower	Upper	
276	100		
138	4.9	25.0	37.6#
277	4.3	20.1	30.1#





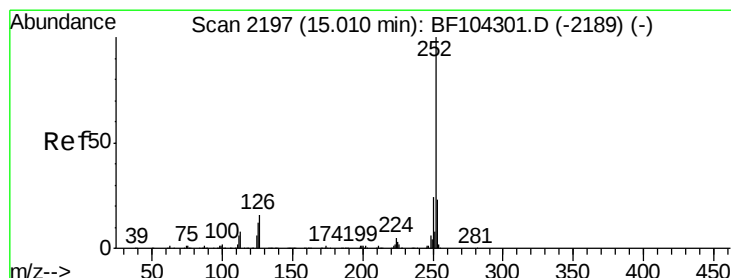
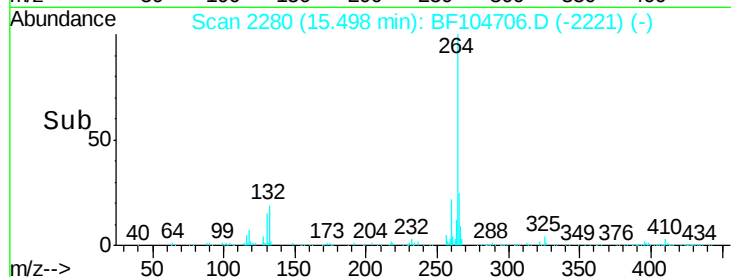
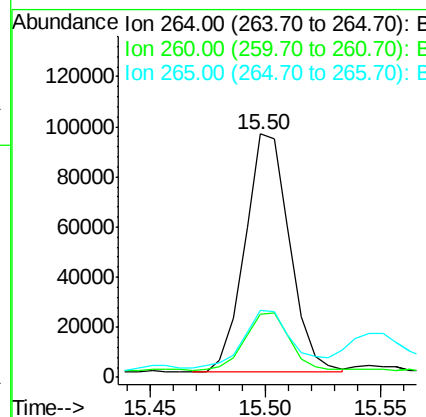
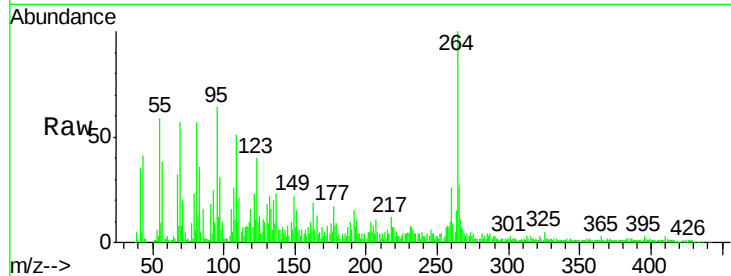
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.05 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	27.5	17.5	26.3

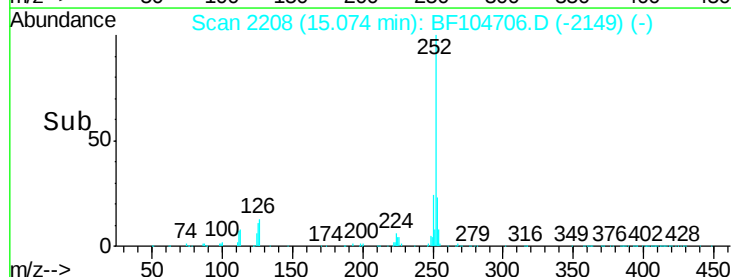
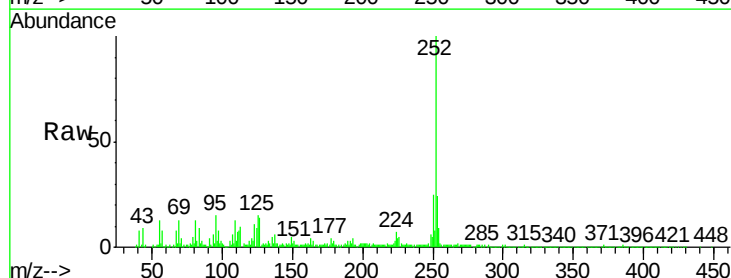
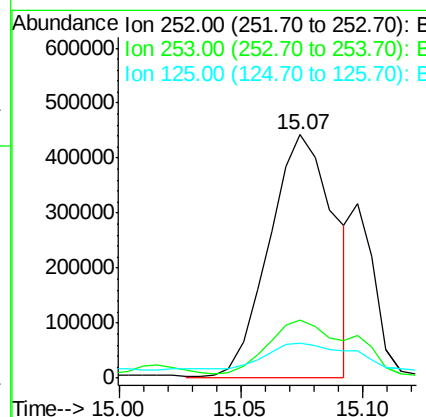
Manual Integrations
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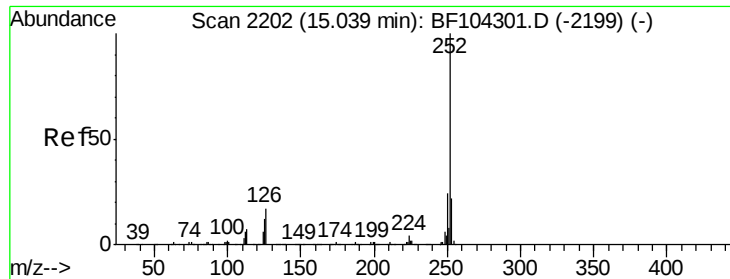
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#87
Benzo(b)fluoranthene
Concen: 101.766 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.05 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	14.5	9.0	13.6





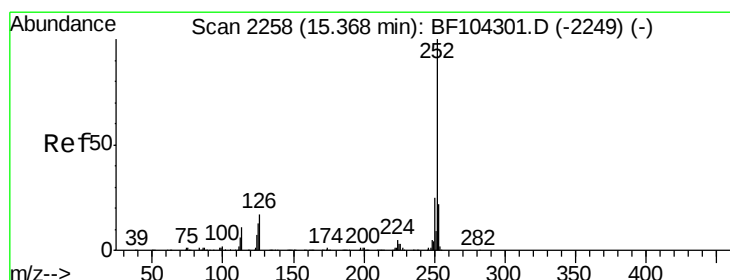
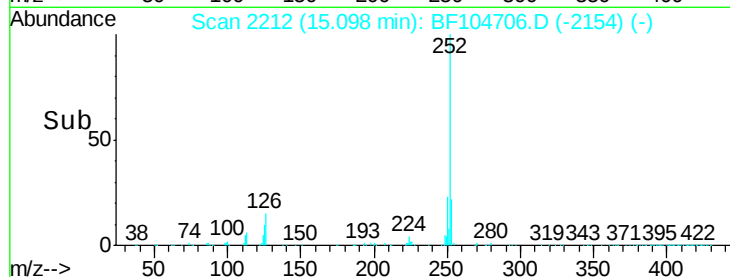
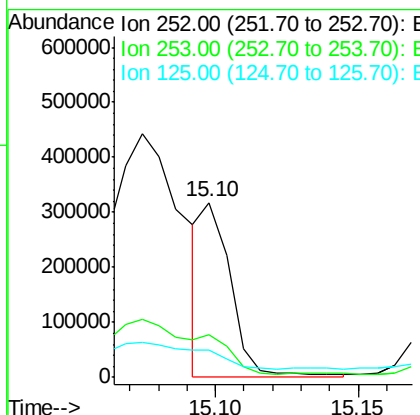
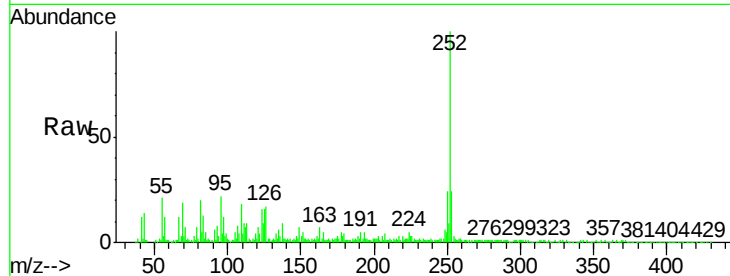
#88
Benzo(k)fluoranthene
Concen: 29.470 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.04 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.5	10.2	15.2#

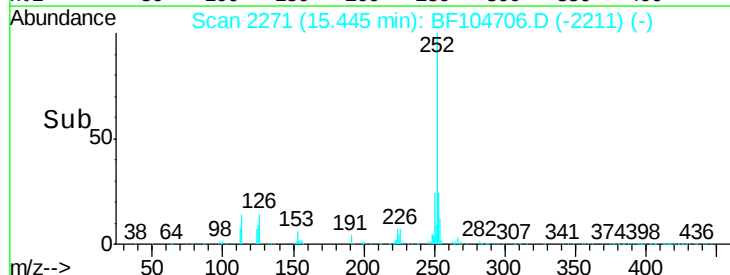
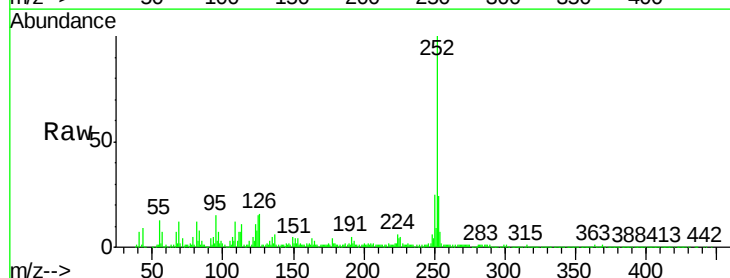
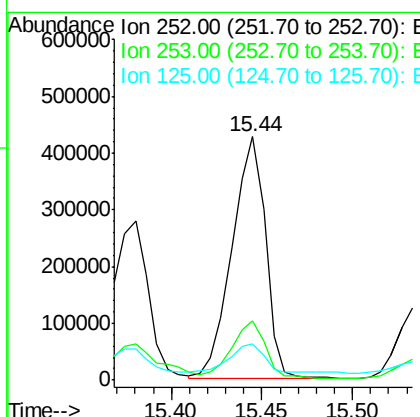
Manual Integrations
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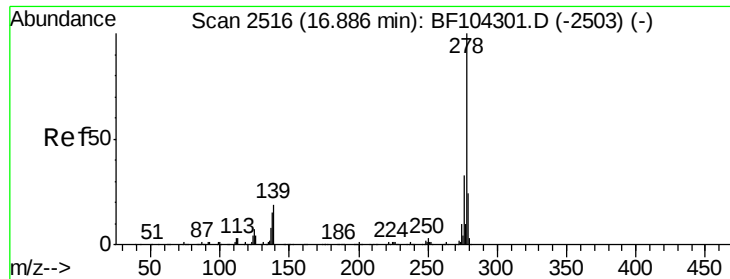
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#89
Benzo(a)pyrene
Concen: 75.936 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.05 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	14.7	9.8	14.6#





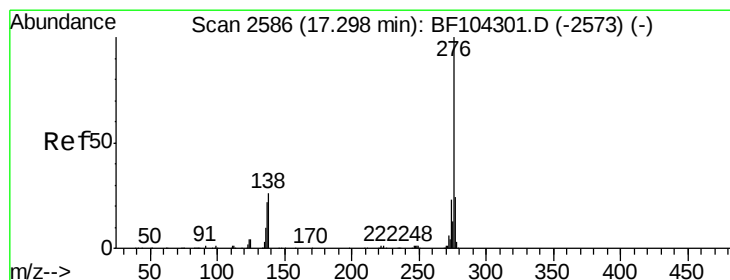
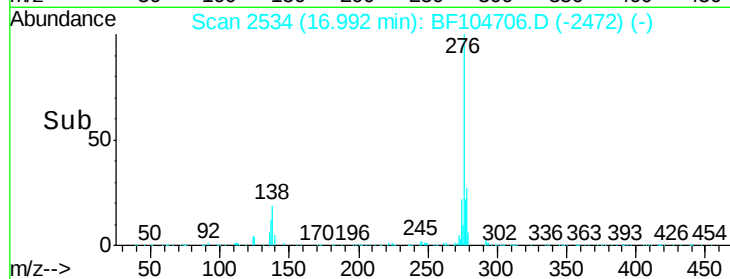
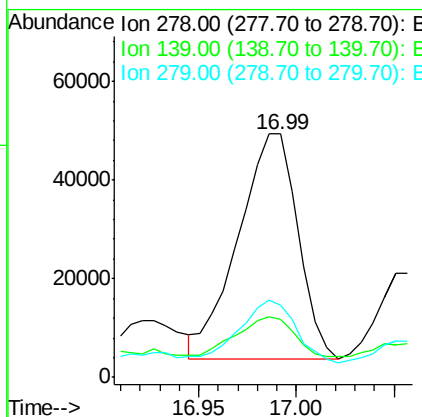
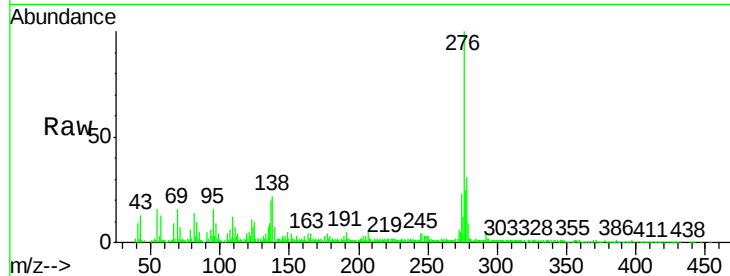
#90
Dibenzo(a,h)anthracene
Concen: 16.195 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.06 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.8	15.9	23.9
279	29.4	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 64.902 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.09 min
Lab File: BF104706.D
Acq: 23 Apr 2018 13:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	25.2	21.8	32.8

