

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104741.D
 Acq On : 24 Apr 2018 7:24
 Operator : JU/SJ
 Sample : J2482-06DL 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:49:10 PM

Quant Time: Apr 24 08:48:16 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	6.80	152	105007	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	405347	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	168038	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	249885	20.00	ng	0.00
75) Chrysene-d12	13.99	240	183605	20.00	ng	0.00
86) Perylene-d12	15.46	264	138484	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	123349	17.96	ng	0.00
7) Phenol-d6	6.44	99	152379	18.06	ng	0.00
23) Nitrobenzene-d5	7.37	82	80328	12.94	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	27413	15.73	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	177733	16.71	ng	0.00
78) Terphenyl-d14	12.92	244	129995	16.14	ng	0.00
Target Compounds						
30) 1,2,4-Trichlorobenzene	8.03	180	18835	3.105	ng	Qvalue 97
57) Fluorene	10.39	166	23177	2.141	ng	98
70) Phenanthrene	11.36	178	327429	23.529	ng	99
71) Anthracene	11.42	178	93823	6.633	ng	99
74) Fluoranthene	12.56	202	490328	33.724	ng	99
77) Pyrene	12.79	202	457524	33.618	ng	99
80) Benzo(a)anthracene	13.97	228	217613	19.839	ng	98
82) Chrysene	14.02	228	175959	15.618	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	68895	7.198	ng	# 93
87) Benzo(b)fluoranthene	15.03	252	190555m	21.787	ng	
88) Benzo(k)fluoranthene	15.06	252	53704m	6.504	ng	
89) Benzo(a)pyrene	15.40	252	126664	16.185	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	17403	2.708	ng	# 89
91) Benzo(g,h,i)perylene	17.36	276	68676	11.029	ng	94

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

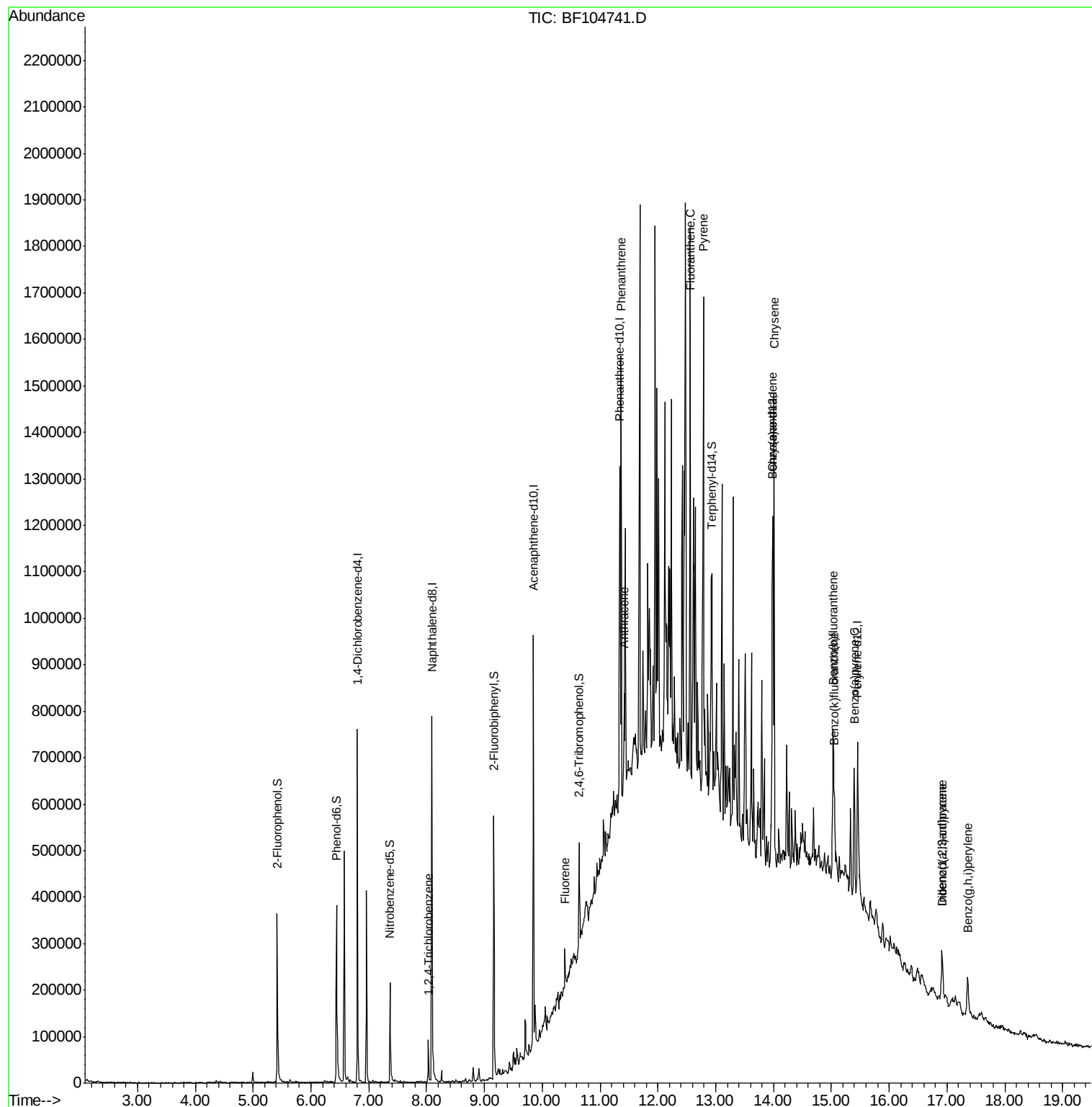
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104741.D
Acq On : 24 Apr 2018 7:24
Operator : JU/SJ
Sample : J2482-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

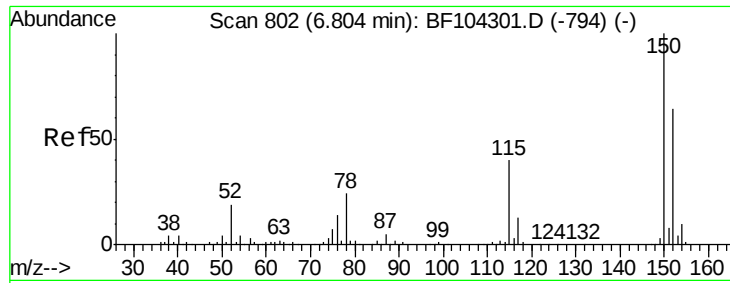
Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3D

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:10 PM

Quant Time: Apr 24 08:48:16 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





#1

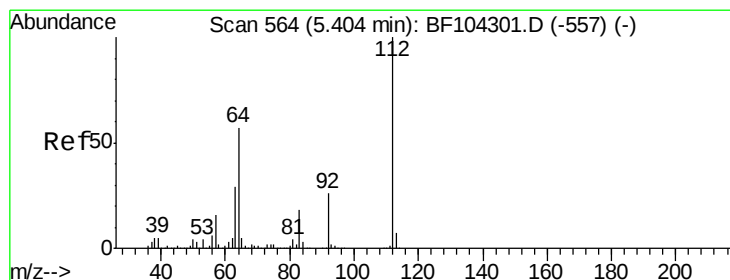
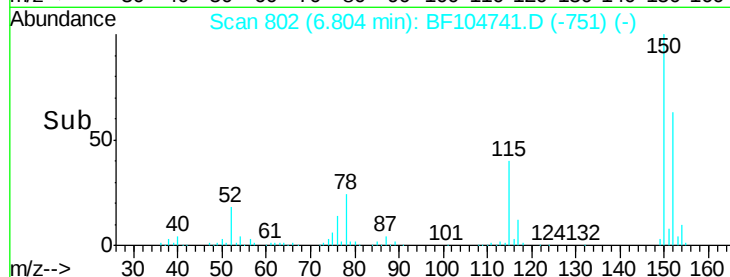
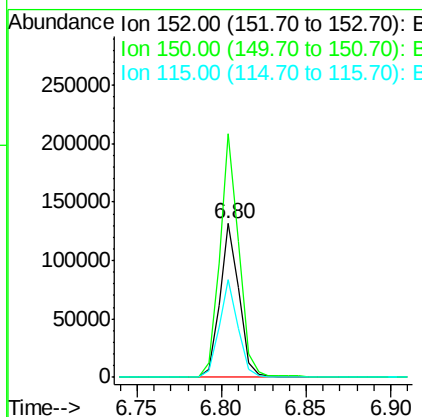
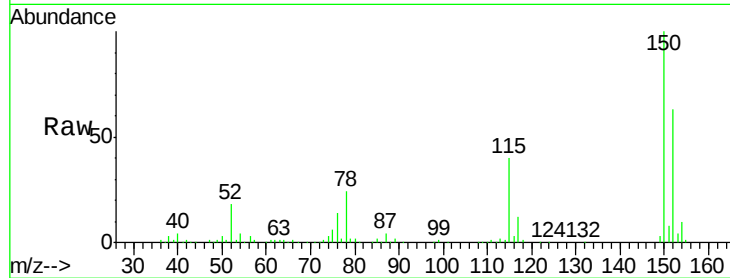
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	63.6	50.1	75.1

Manual Integrations
APPROVED

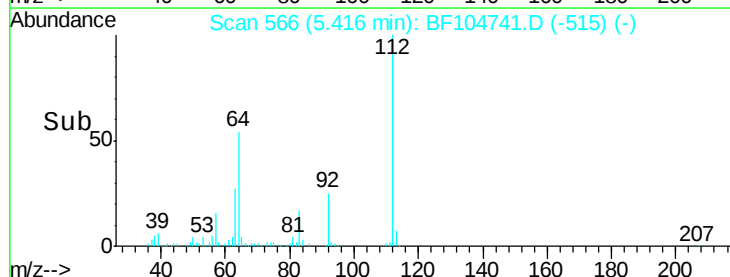
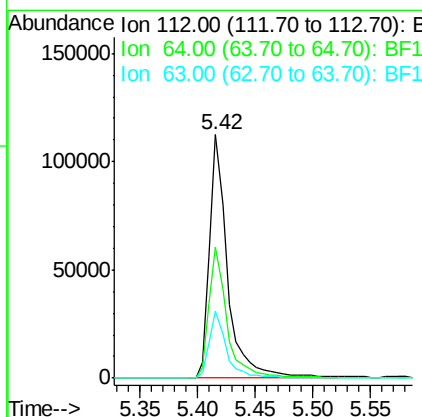
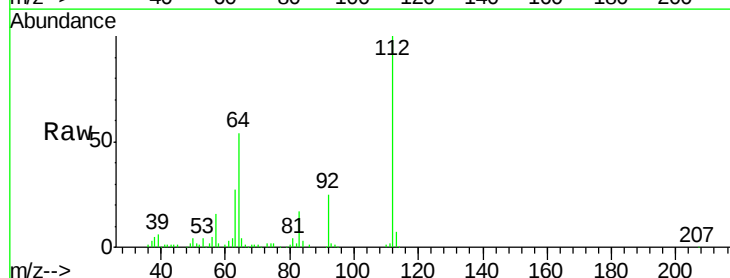
Sohil
4/24/2018 3:49:10 PM



#5

2-Fluorophenol
Concen: 17.961 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 18.059 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104741.D

Acq: 24 Apr 2018 7:24

Instrument :

BNA_F

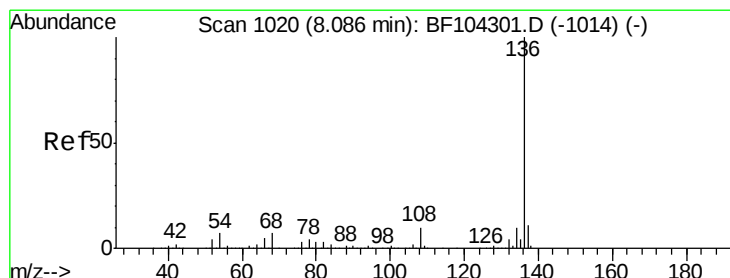
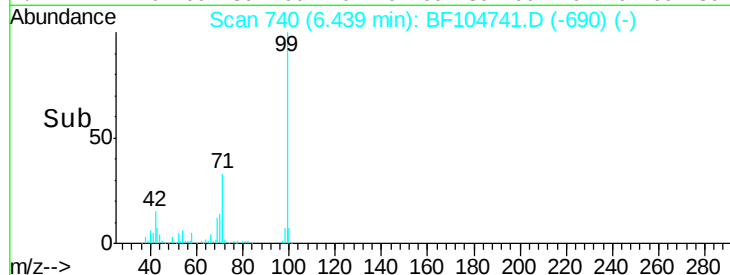
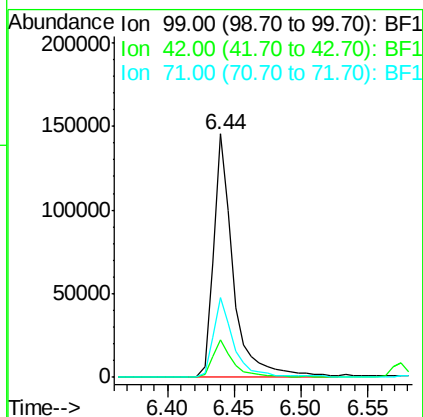
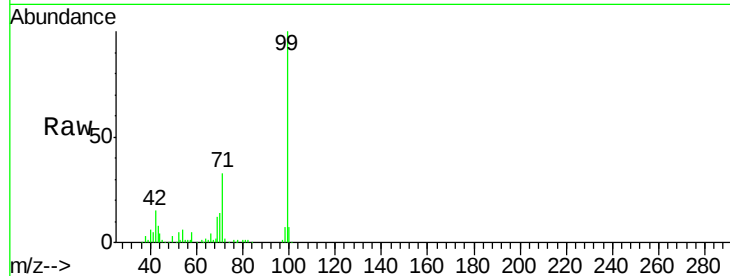
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3D

Tot Ion:	99	Resp:	152379
Ion	Ratio	Lower	Upper
99	100		
42	15.3	14.5	21.7
71	32.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:10 PM



#21

Naphthalene-d8

Concen: 20.000 ng

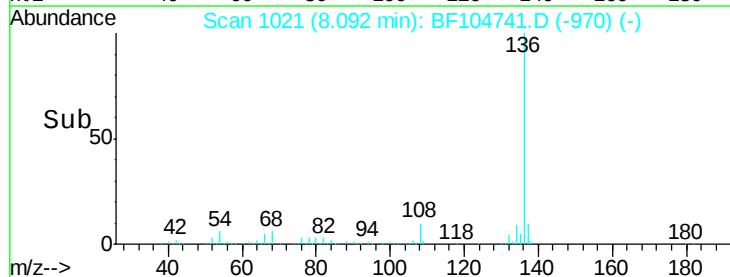
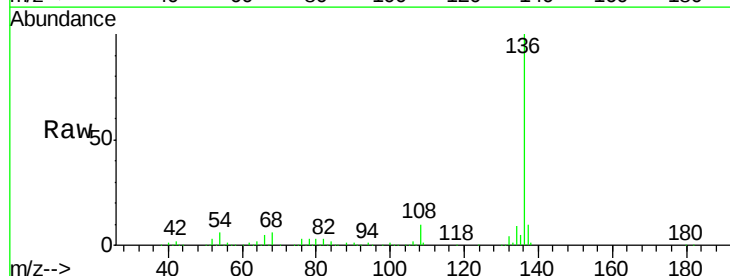
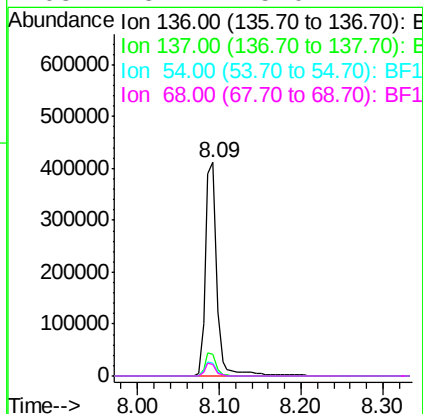
RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104741.D

Acq: 24 Apr 2018 7:24

Tgt Ion:	136	Resp:	405347
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	5.9	6.6	9.8#
68	5.7	5.0	7.4





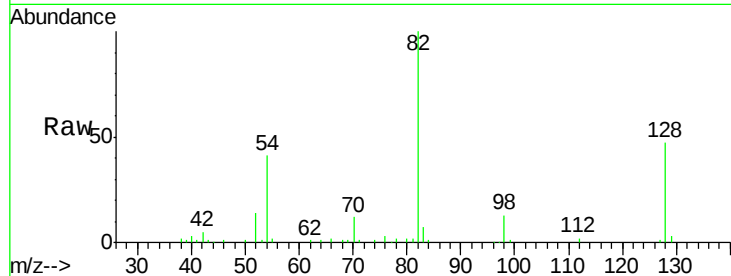
#23
 Nitrobenzene-d5
 Concen: 12.940 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

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

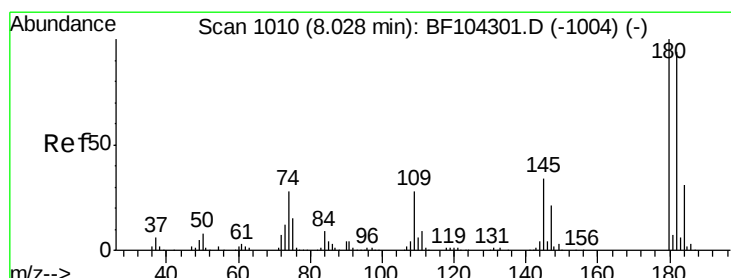
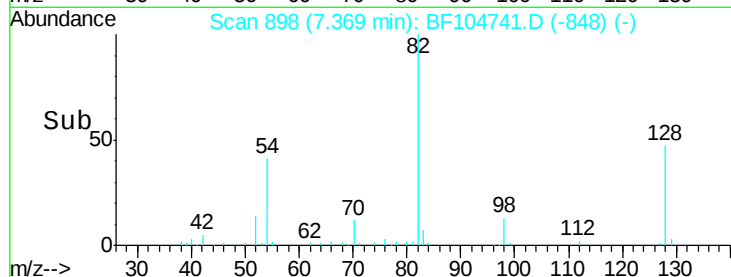
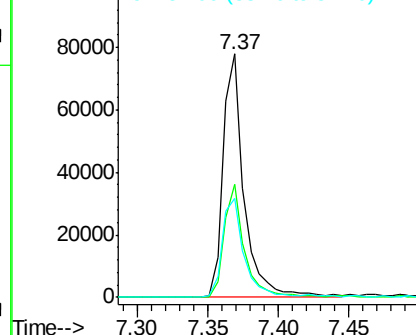
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	36.1	54.1	
54	40.7	41.4	62.2	

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:49:10 PM

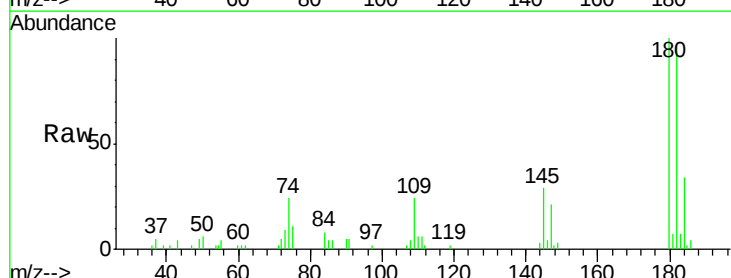


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

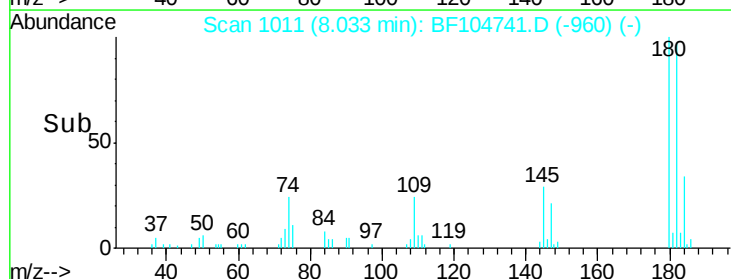
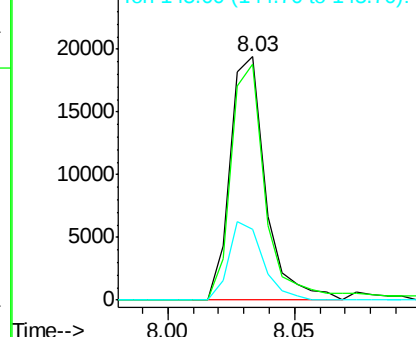


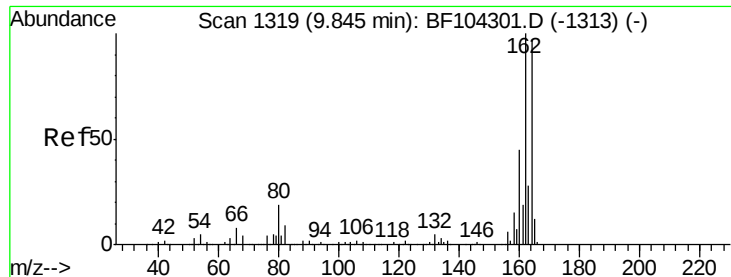
#30
 1,2,4-Trichlorobenzene
 Concen: 3.105 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	76.8	115.2	
145	29.0	26.5	39.7	



Abundance Ion 180.00 (179.70 to 180.70): BF1
 Ion 182.00 (181.70 to 182.70): BF1
 Ion 145.00 (144.70 to 145.70): BF1





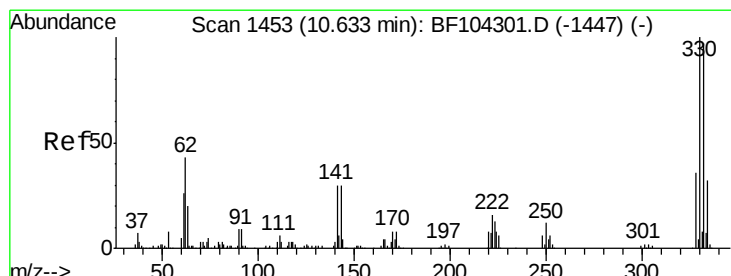
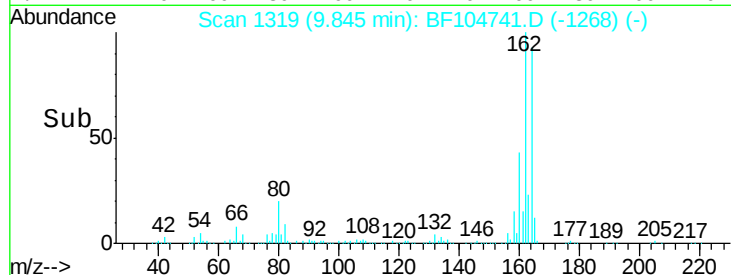
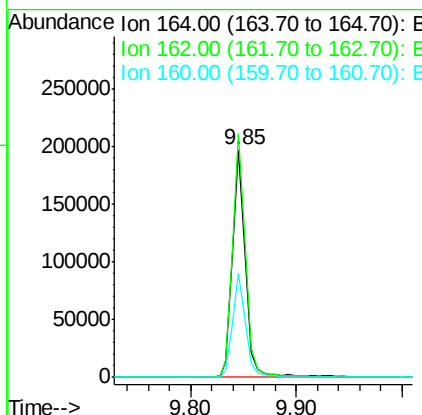
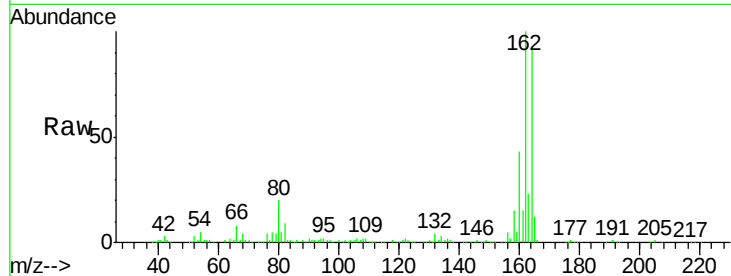
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.1	86.1	129.1	
160	45.9	38.3	57.5	

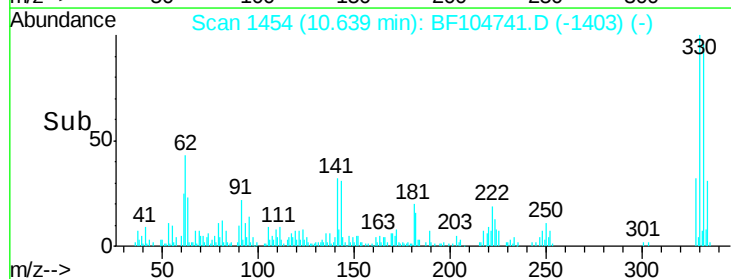
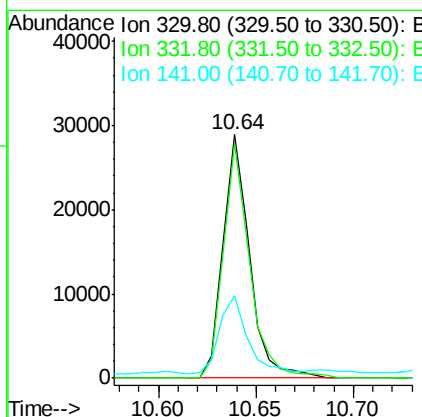
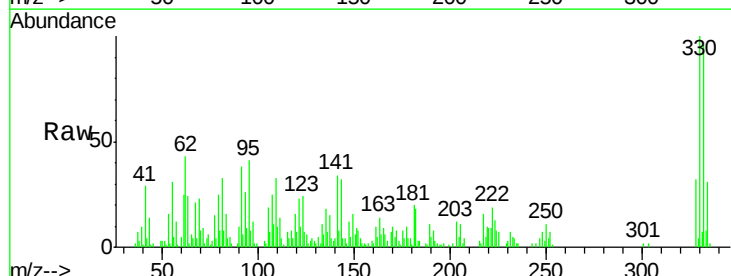
Manual Integrations
 APPROVED

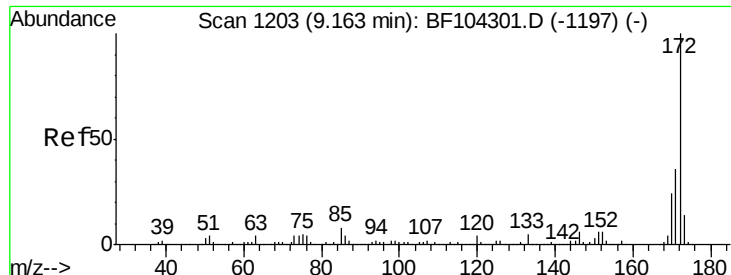
Sohil
 4/24/2018 3:49:10 PM



#41
 2,4,6-Tribromophenol
 Concen: 15.727 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	77.0	115.6	
141	34.0	29.9	44.9	





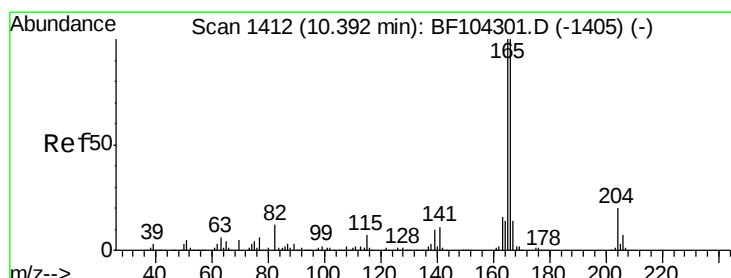
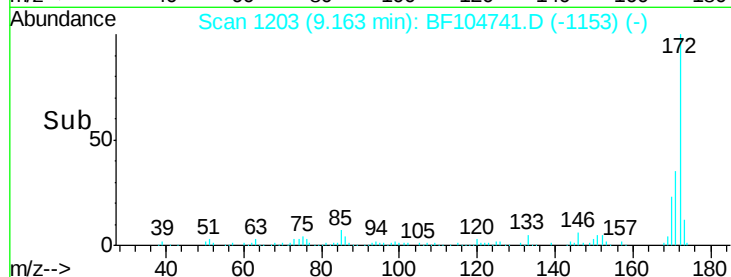
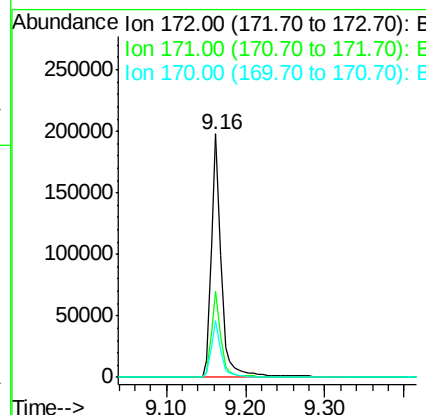
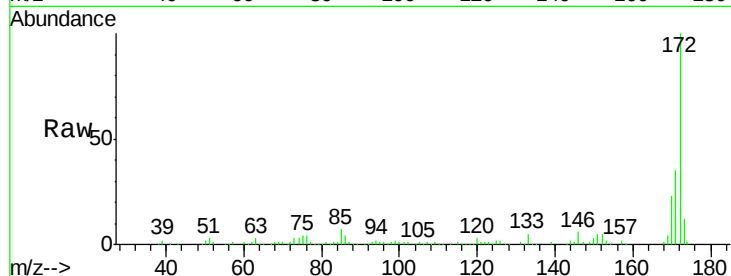
#44
 2-Fluorobiphenyl
 Concen: 16.709 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.4	19.6	29.4

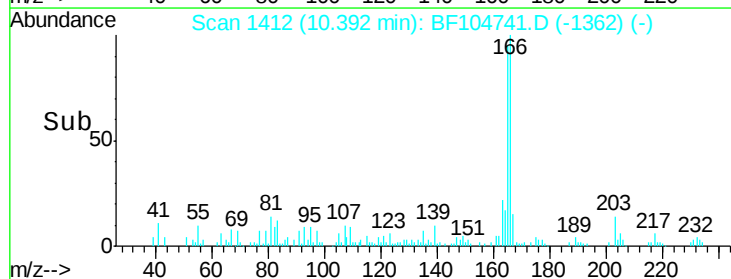
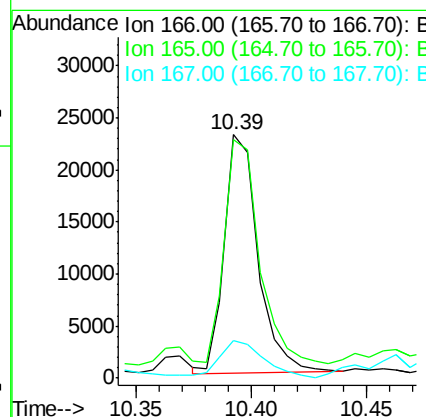
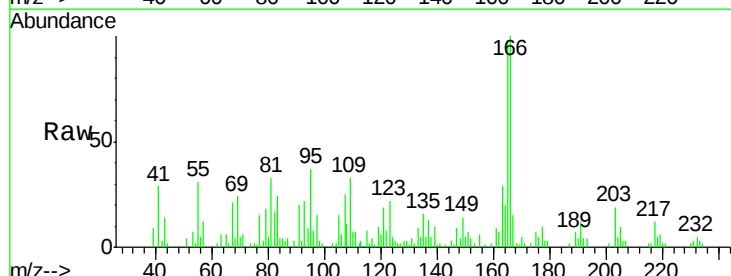
Manual Integrations
 APPROVED

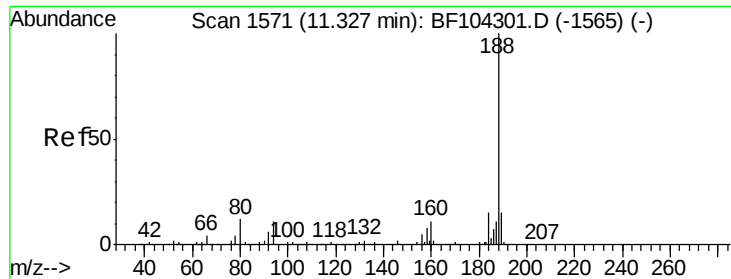
Sohil
 4/24/2018 3:49:10 PM



#57
 Fluorene
 Concen: 2.141 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	15.4	10.6	16.0





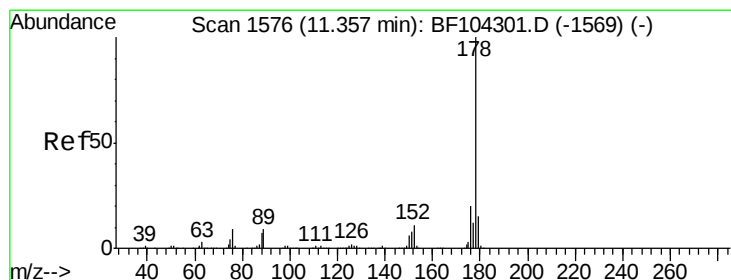
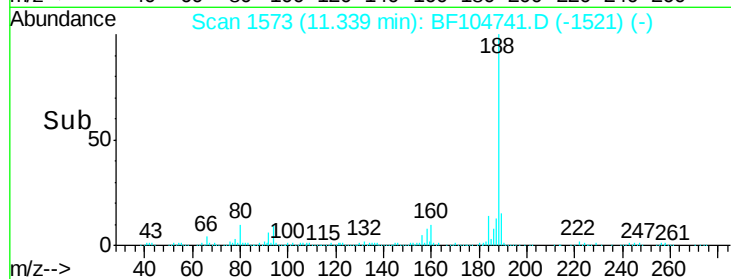
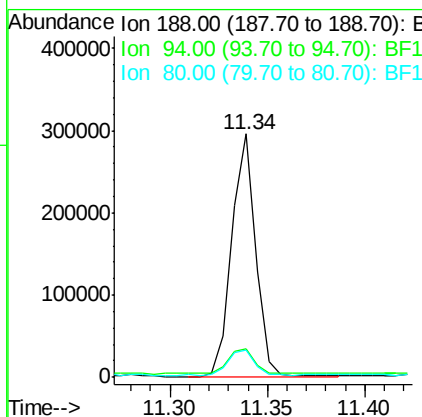
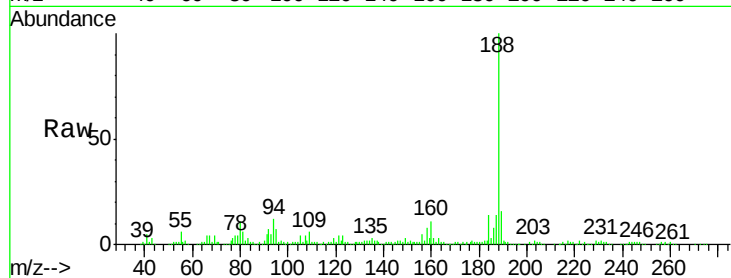
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	8.5	12.7
80	11.1	9.2	13.8

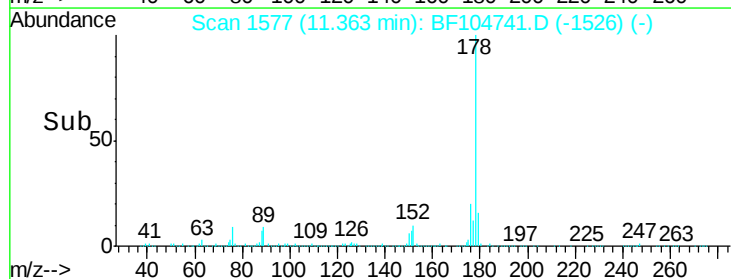
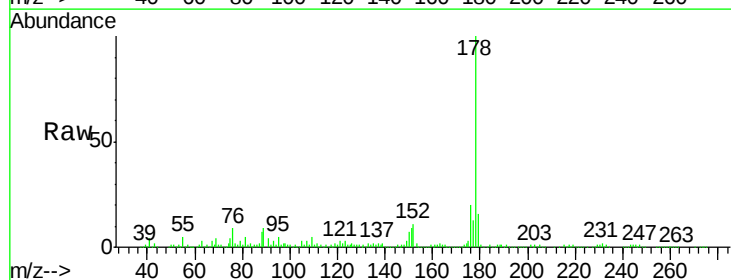
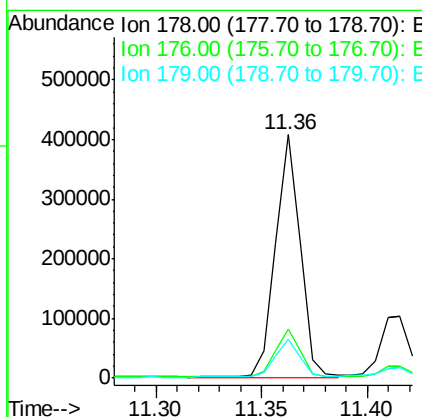
Manual Integrations
APPROVED

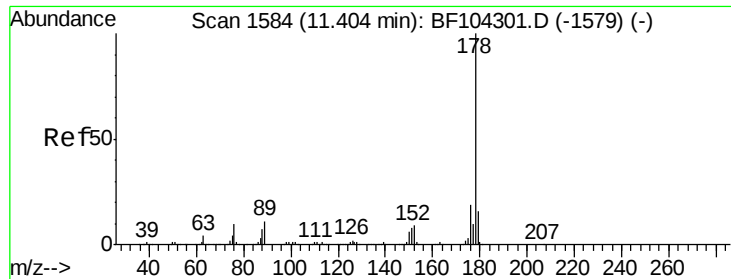
Sohil
4/24/2018 3:49:10 PM



#70
Phenanthrene
Concen: 23.529 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.0	13.0	19.6





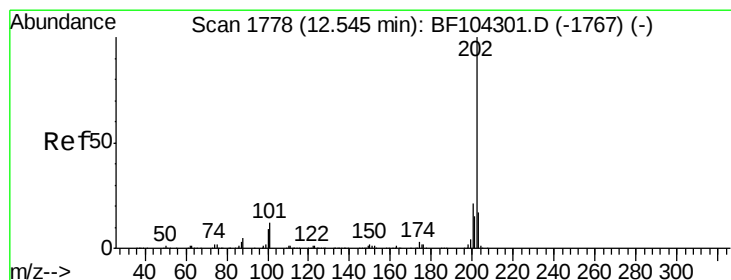
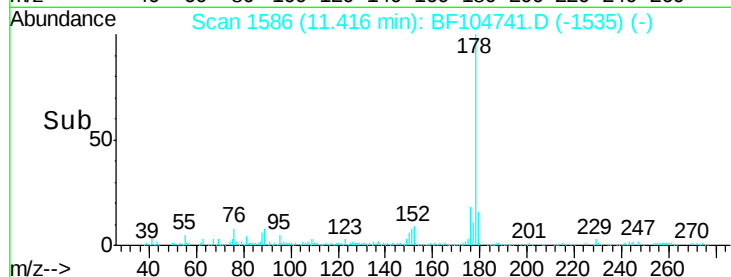
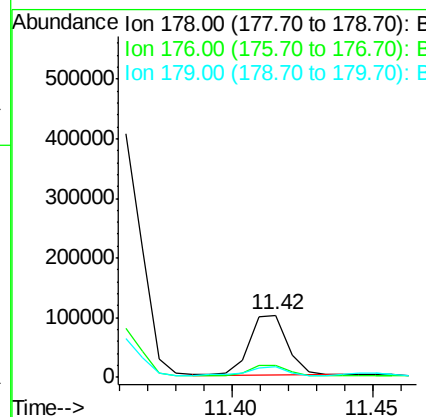
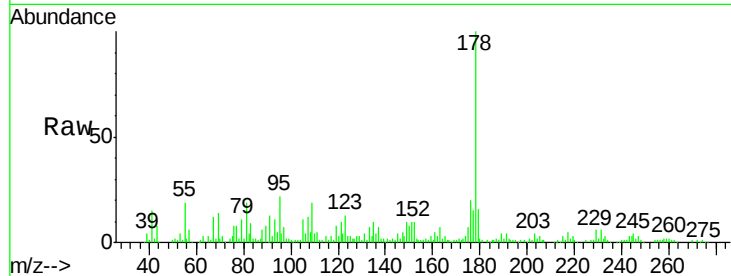
#71
 Anthracene
 Concen: 6.633 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	16.5	12.6	19.0

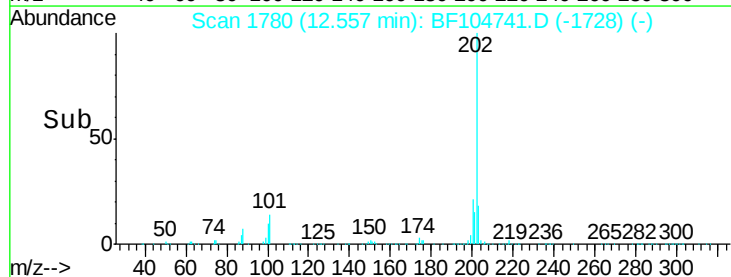
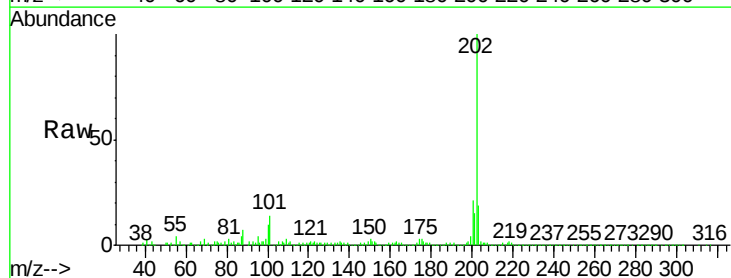
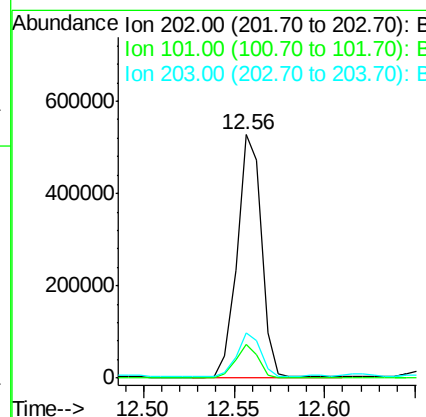
Manual Integrations
 APPROVED

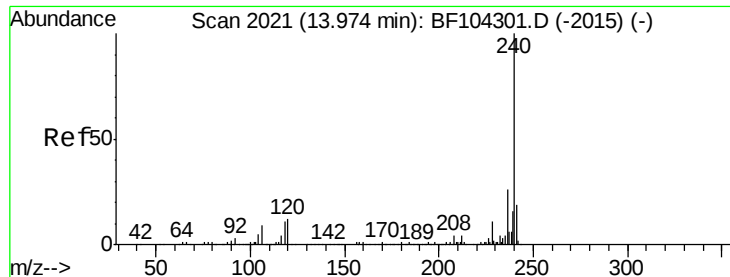
Sohil
 4/24/2018 3:49:10 PM



#74
 Fluoranthene
 Concen: 33.724 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104741.D
 Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104741.D

Acq: 24 Apr 2018 7:24

Instrument :

BNA_F

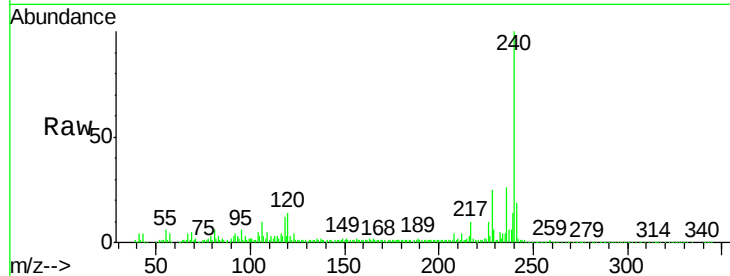
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3D

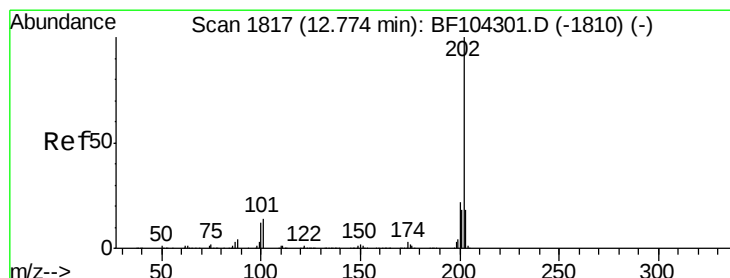
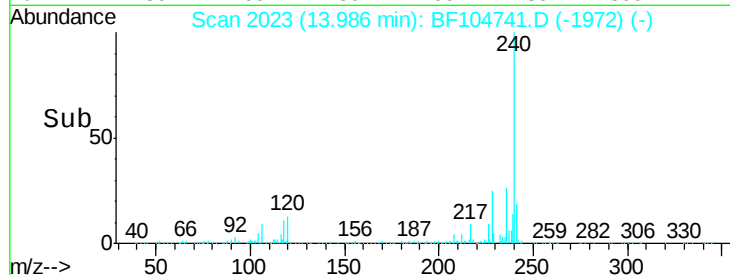
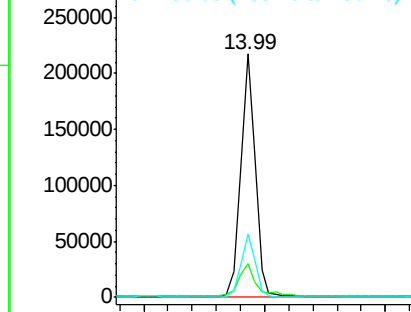
Tot Ion:	240	Resp:	183605
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:10 PM



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



#77

Pyrene

Concen: 33.618 ng

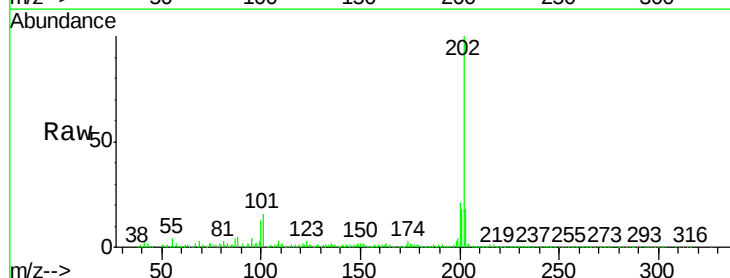
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

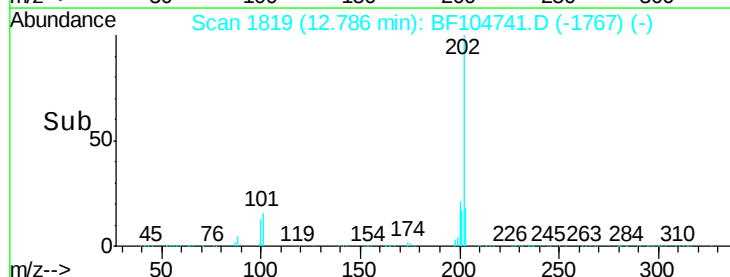
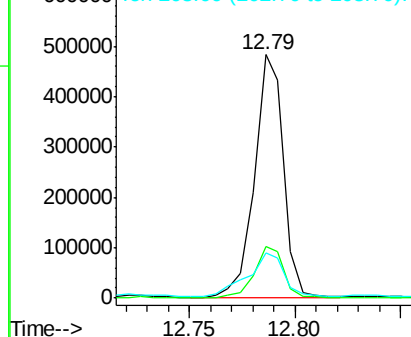
Lab File: BF104741.D

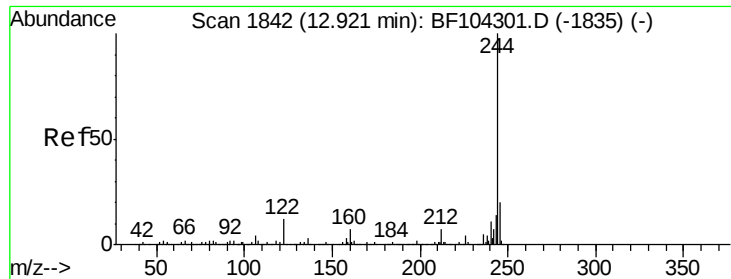
Acq: 24 Apr 2018 7:24

Tgt Ion:	202	Resp:	457524
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.4	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.142 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104741.D

Acq: 24 Apr 2018 7:24

Instrument :

BNA_F

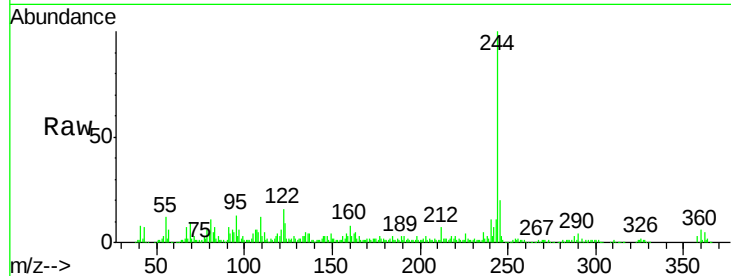
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3D

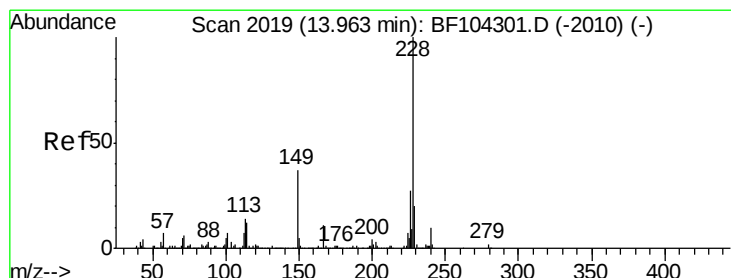
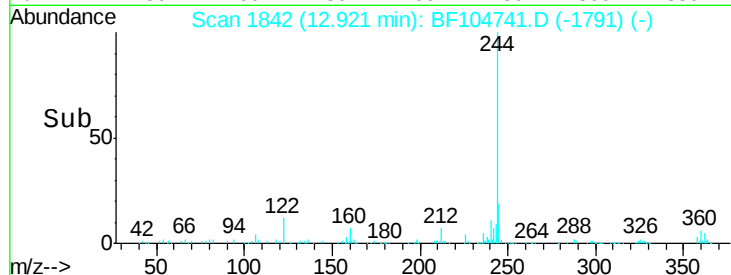
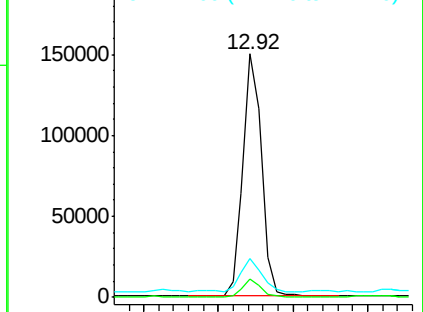
Tot Ion:	244	Resp:	129995
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	15.9	11.0	16.4

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:10 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.839 ng

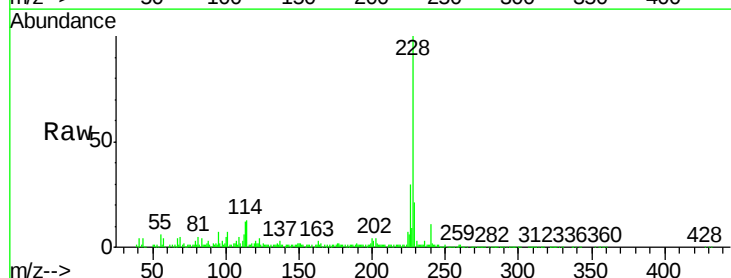
RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

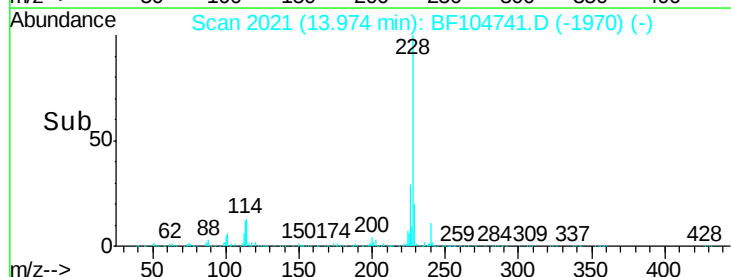
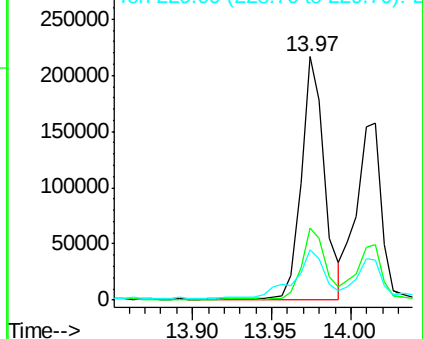
Lab File: BF104741.D

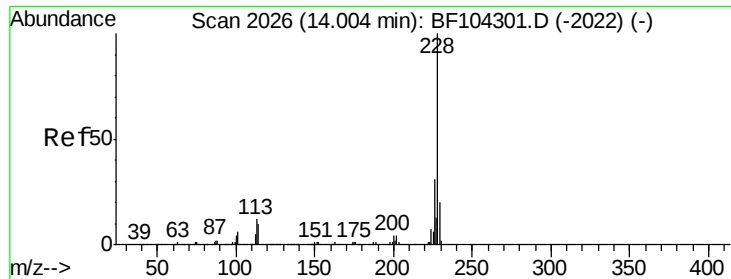
Acq: 24 Apr 2018 7:24

Tgt Ion:	228	Resp:	217613
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.6	33.8
229	20.6	15.8	23.6



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





#82

Chrysene

Concen: 15.618 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF104741.D

Acq: 24 Apr 2018 7:24

Instrument :

BNA_F

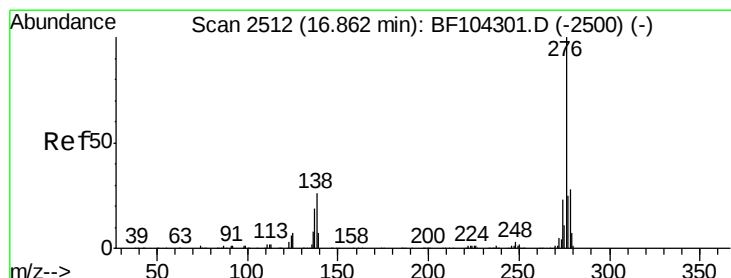
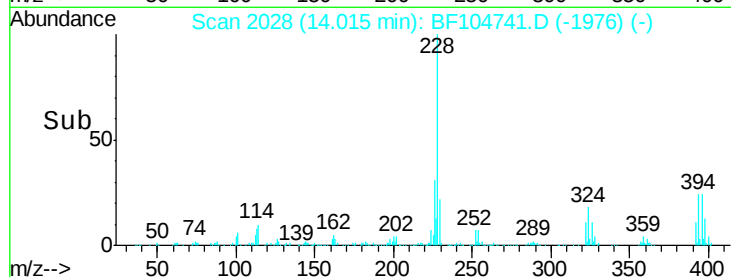
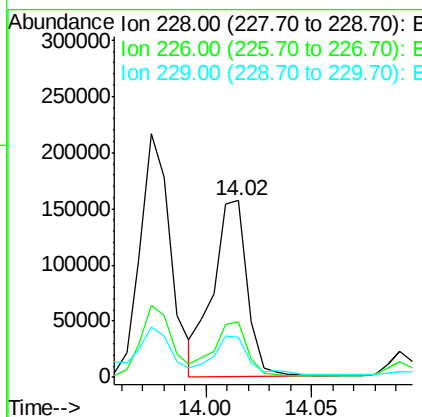
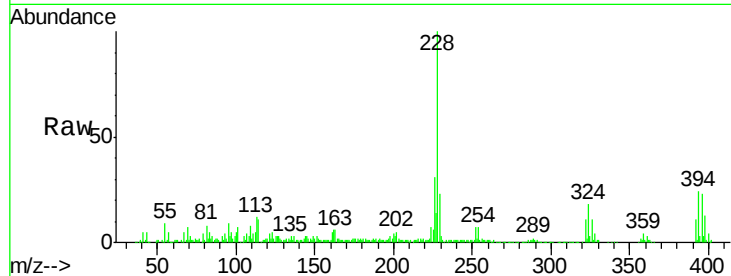
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3D

Tot Ion:	228	Resp:	175959
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	22.9	16.2	24.4

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:10 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.198 ng

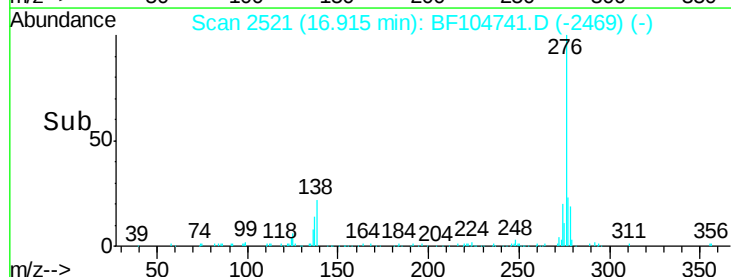
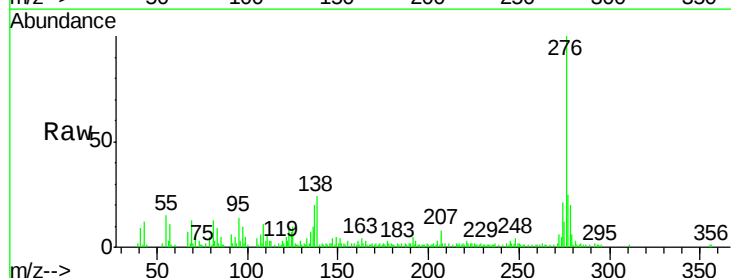
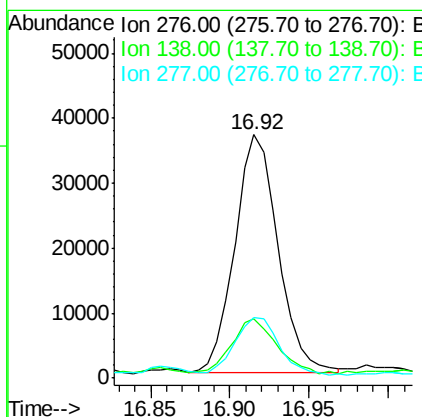
RT: 16.92 min Scan# 2521

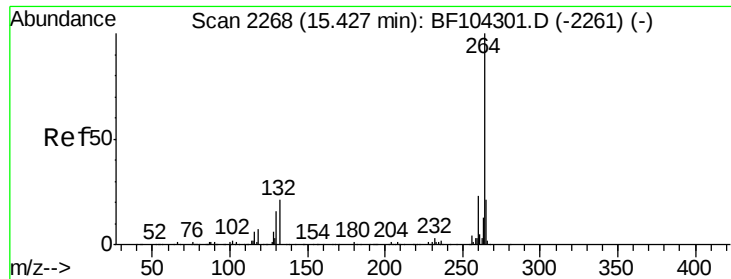
Delta R.T. 0.01 min

Lab File: BF104741.D

Acq: 24 Apr 2018 7:24

Tgt Ion:	276	Resp:	68895
Ion Ratio	Lower	Upper	
276	100		
138	24.4	25.0	37.6#
277	25.2	20.1	30.1





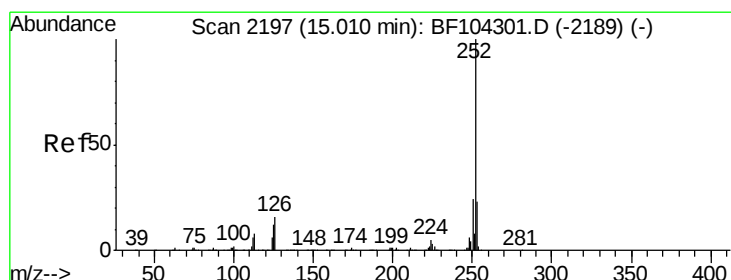
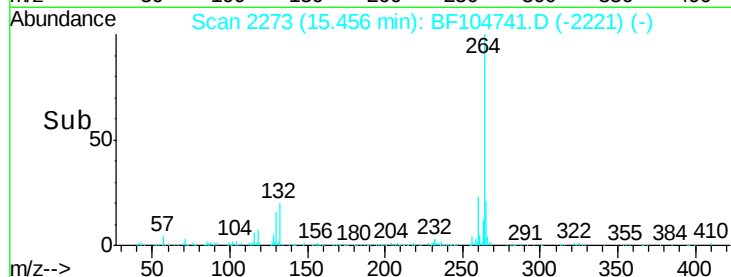
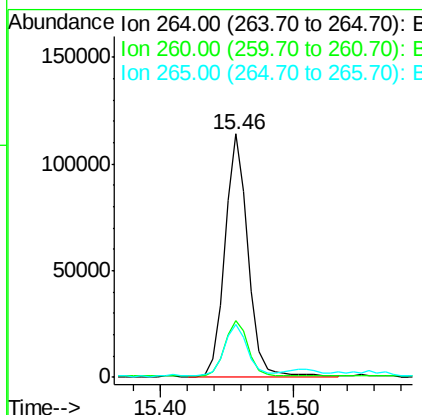
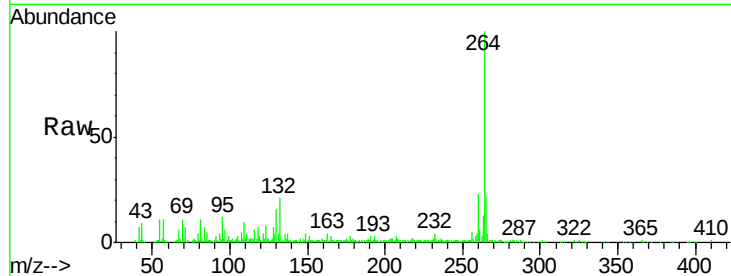
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.2	19.2	28.8		
265	21.8	17.5	26.3		

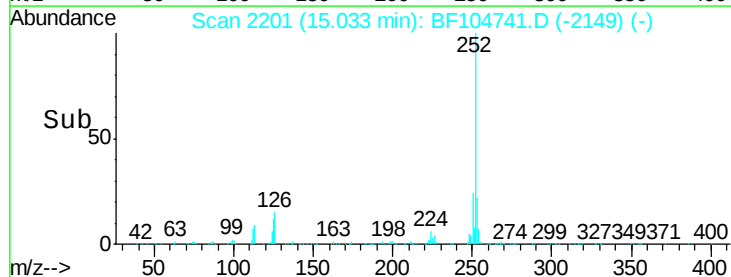
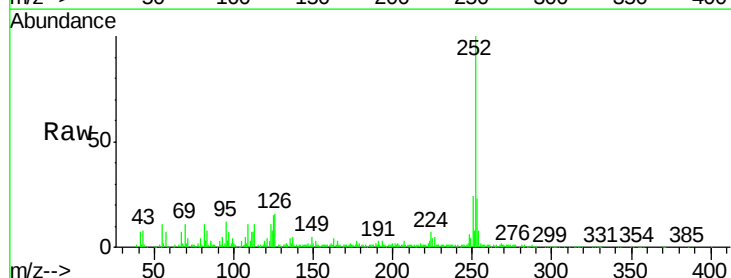
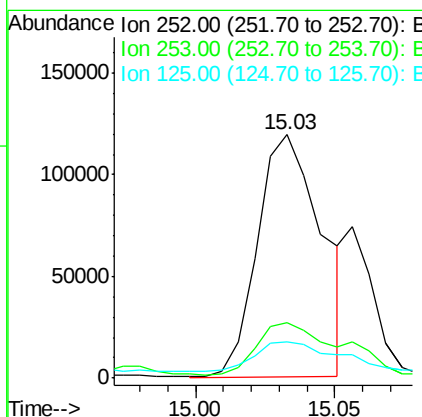
Manual Integrations
APPROVED

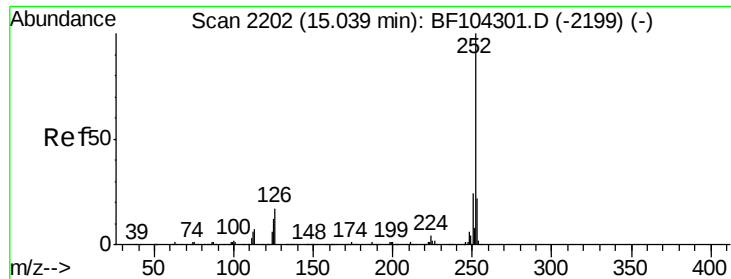
Sohil
4/24/2018 3:49:10 PM



#87
Benzo(b)fluoranthene
Concen: 21.787 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.0	17.0	25.6		
125	14.8	9.0	13.6		





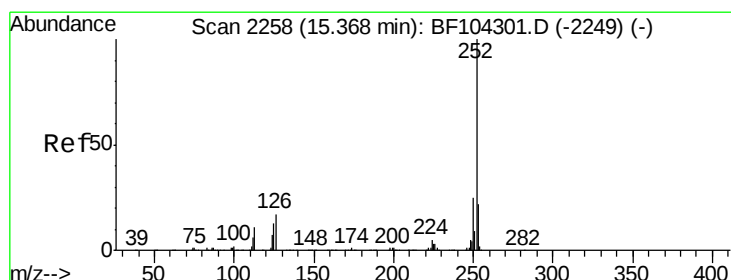
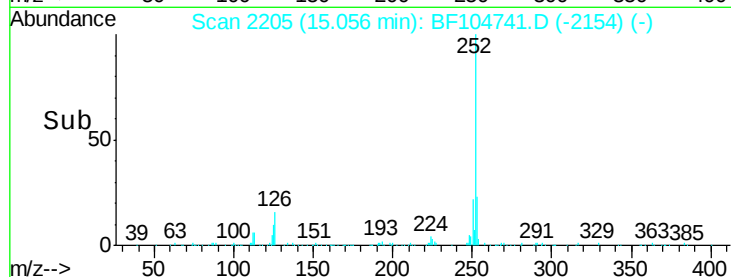
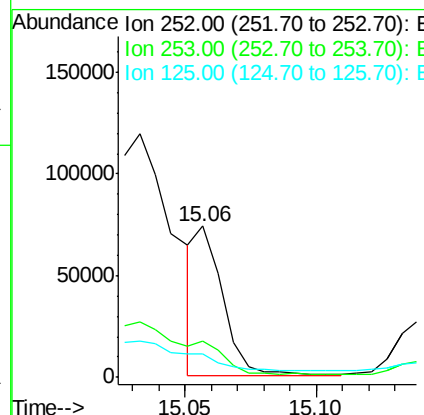
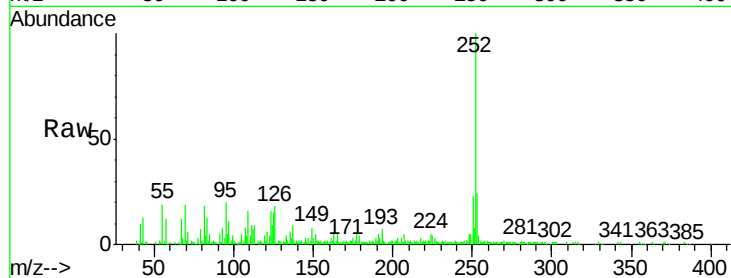
#88
Benzo(k)fluoranthene
Concen: 6.504 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.2	10.2	15.2

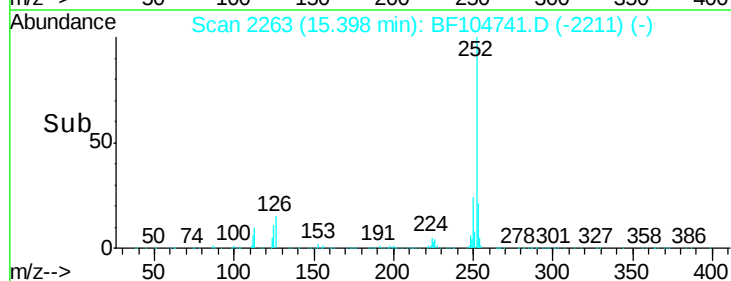
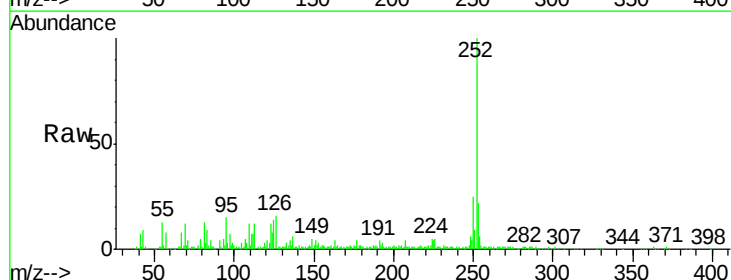
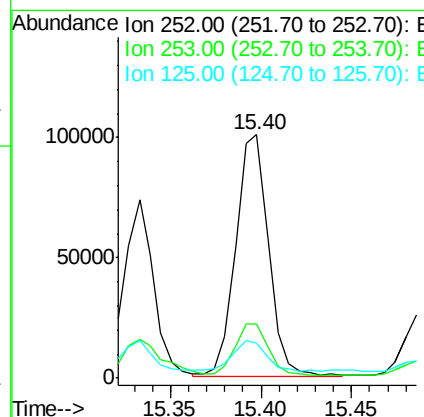
Manual Integrations
APPROVED

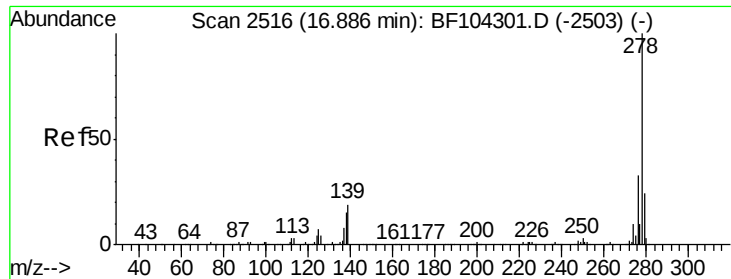
Sohil
4/24/2018 3:49:10 PM



#89
Benzo(a)pyrene
Concen: 16.185 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.3	9.8	14.6





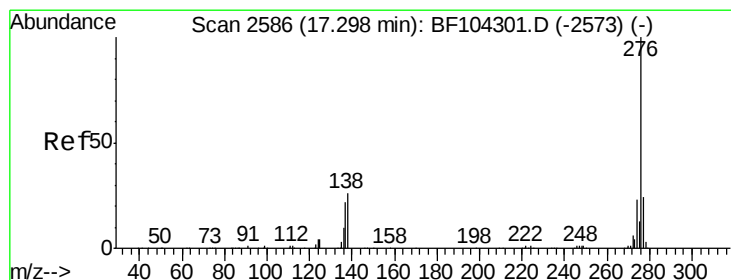
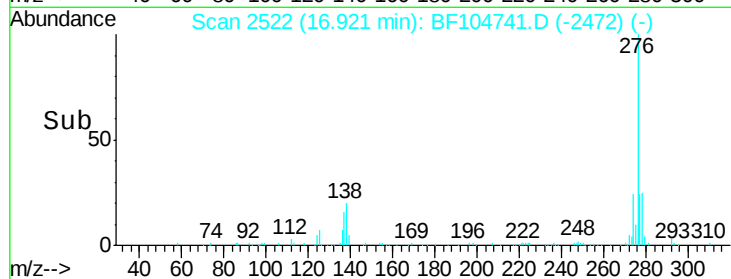
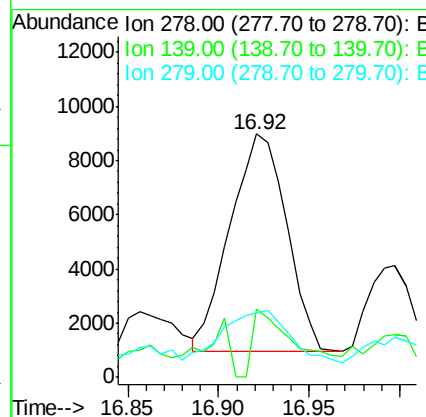
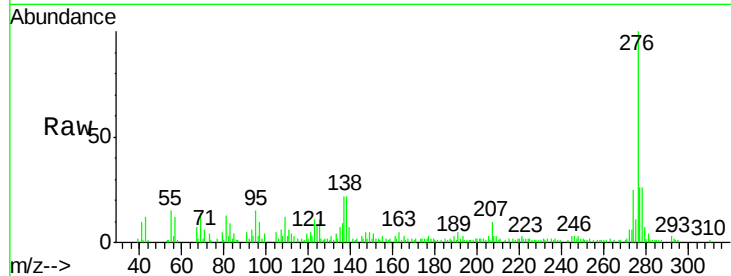
#90
Dibenzo(a,h)anthracene
Concen: 2.708 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.1	15.9	23.9#
279	26.2	19.0	28.4

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:10 PM



#91
Benzo(g,h,i)perylene
Concen: 11.029 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.01 min
Lab File: BF104741.D
Acq: 24 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	30.0	21.8	32.8

