

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100635.D
 Acq On : 16 Nov 2017 17:20
 Operator : SJ/JU
 Sample : I6305-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

Manual Integrations
 APPROVED

SOHIL
 11/17/2017 1:24:59 PM

Quant Time: Nov 16 17:57:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 17:27:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	93537	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	336386	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	135094	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	222105	20.00	ng	0.00
75) Chrysene-d12	14.04	240	223735	20.00	ng	0.00
86) Perylene-d12	15.52	264	245735	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	119189	20.43	ng	0.00
7) Phenol-d6	6.49	99	144731	20.11	ng	-0.02
23) Nitrobenzene-d5	7.44	82	81469	16.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	21694	15.76	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	137297	15.48	ng	0.00
78) Terphenyl-d14	12.99	244	105952	10.88	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.19	128	236511	14.598	ng	99
37) 2-Methylnaphthalene	8.87	142	97411	9.056	ng	96
48) Acenaphthylene	9.78	152	41506	2.955	ng	97
51) Acenaphthene	9.95	154	72856	8.528	ng	98
54) Dibenzofuran	10.12	168	142088	11.866	ng	95
57) Fluorene	10.46	166	212302	24.203	ng	98
70) Phenanthrene	11.43	178	984665	84.202	ng	99
71) Anthracene	11.48	178	277034	23.350	ng	99
72) Carbazole	11.63	167	92459	8.446	ng	100
74) Fluoranthene	12.62	202	887742	71.629	ng	98
77) Pyrene	12.85	202	775528	48.626	ng	99
80) Benzo(a)anthracene	14.03	228	411480	30.541	ng	97
82) Chrysene	14.07	228	338465	25.942	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	131323m	12.444	ng	
87) Benzo(b)fluoranthene	15.09	252	407664m	28.002	ng	
88) Benzo(k)fluoranthene	15.11	252	145376m	10.568	ng	
89) Benzo(a)pyrene	15.46	252	301941	23.394	ng	97
90) Dibenzo(a,h)anthracene	17.01	278	36556m	3.463	ng	
91) Benzo(a,h,i)perylene	17.45	276	107115	10.367	ng	95

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

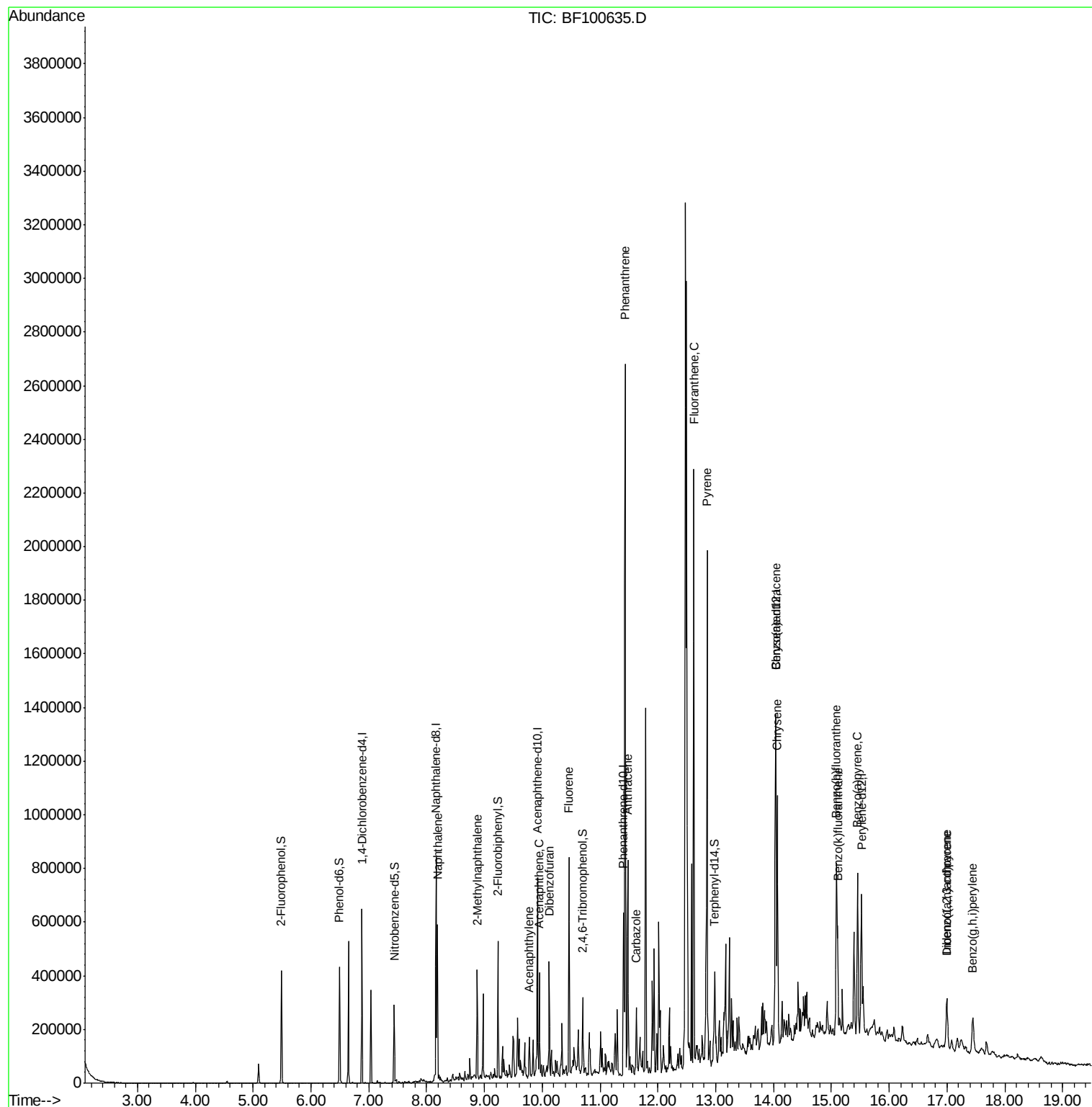
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100635.D
Acq On : 16 Nov 2017 17:20
Operator : SJ/JU
Sample : I6305-07 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Manual Integrations
APPROVED

SOHIL
11/17/2017 1:24:59 PM

Quant Time: Nov 16 17:57:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 16 17:27:23 2017
Response via : Initial Calibration





#1

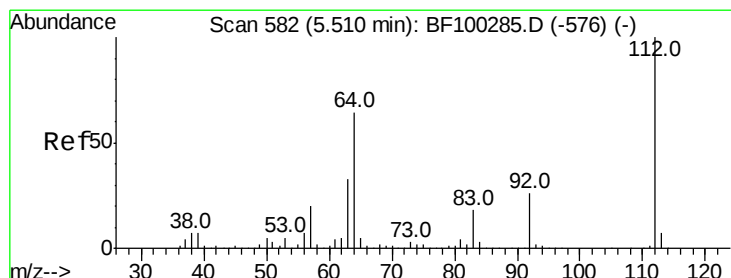
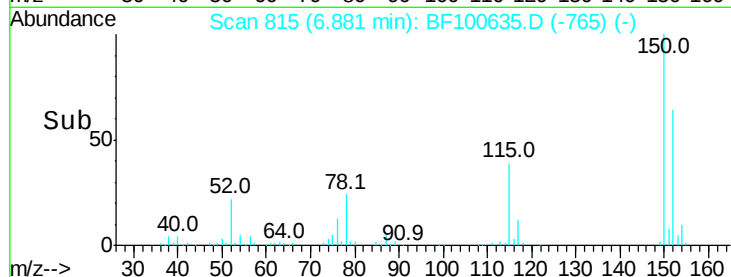
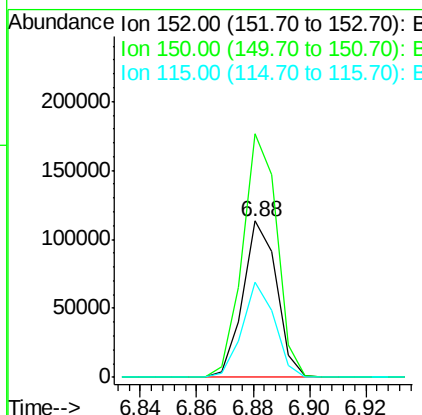
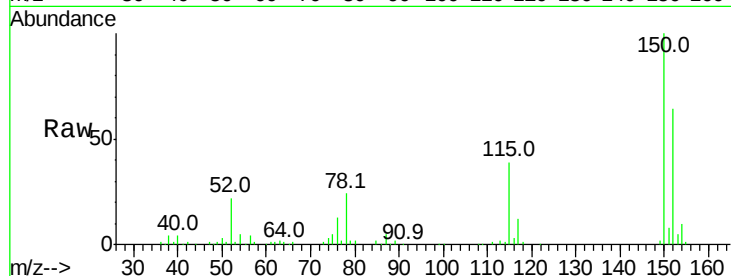
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	60.9	50.1	75.1

Manual Integrations
APPROVED

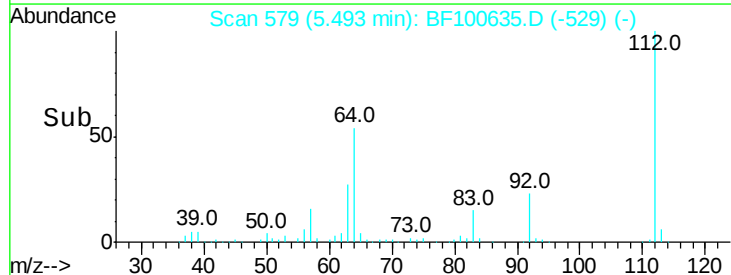
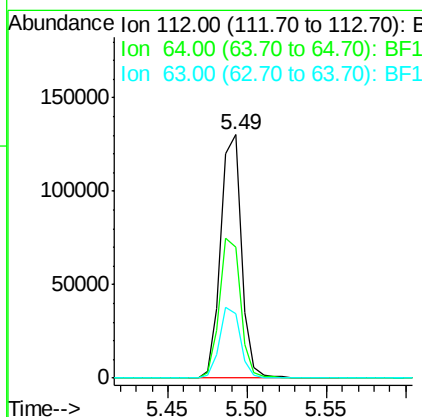
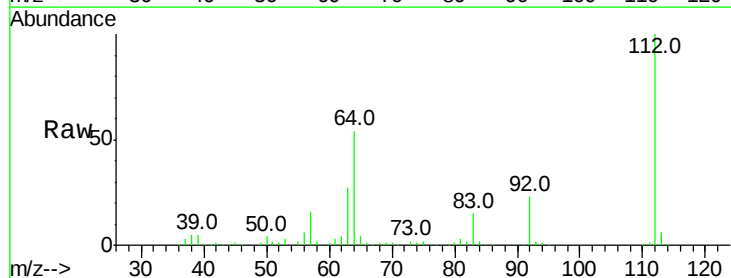
SOHIL
11/17/2017 1:24:59 PM



#5

2-Fluorophenol
Concen: 20.426 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	26.6	23.7	35.5





#7

Phenol-d6

Concen: 20.114 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Instrument :

BNA_F

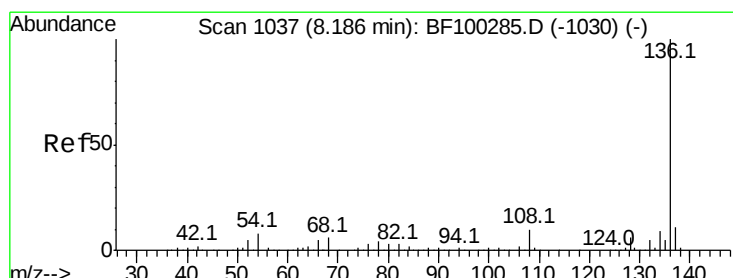
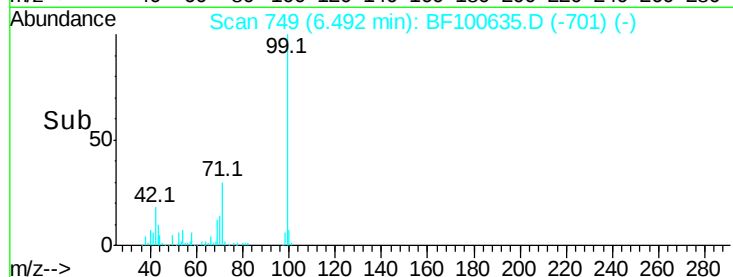
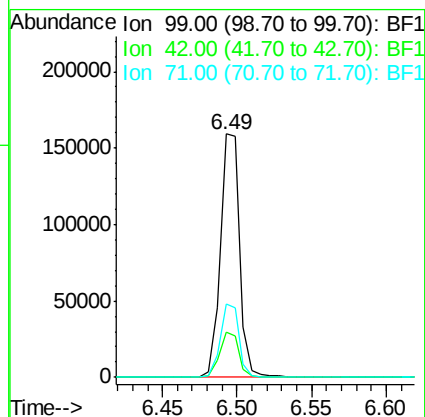
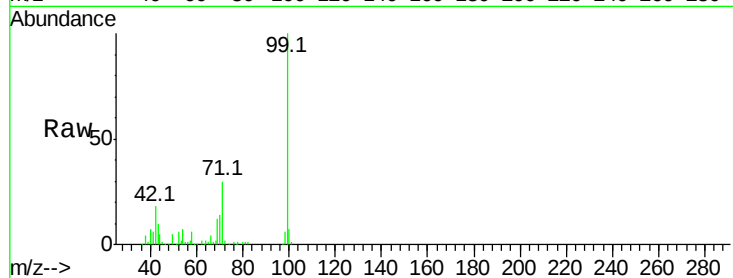
ClientSampleId :

PL-01-111317-C

Tot Ion:	99	Resp:	144731
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	30.0	25.4	38.0

Manual Integrations
APPROVED

SOHIL
11/17/2017 1:24:59 PM



#21

Naphthalene-d8

Concen: 20.000 ng

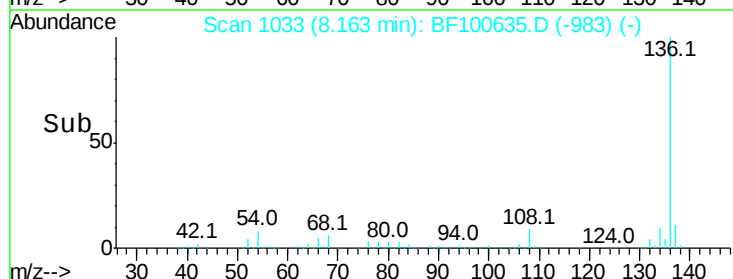
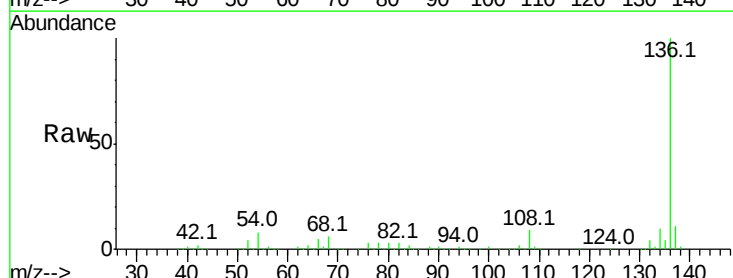
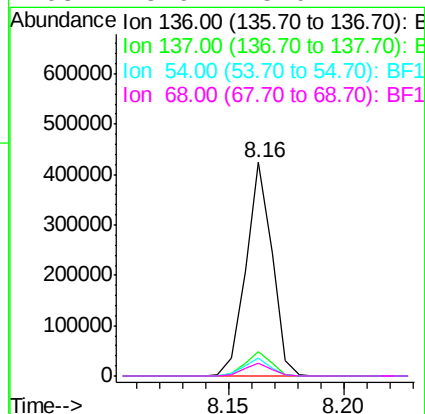
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Tgt Ion:	136	Resp:	336386
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	5.9	5.0	7.4





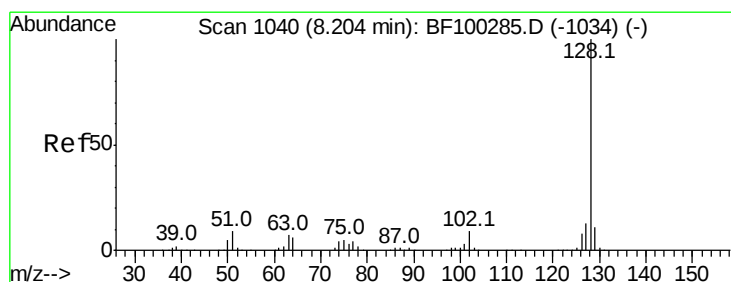
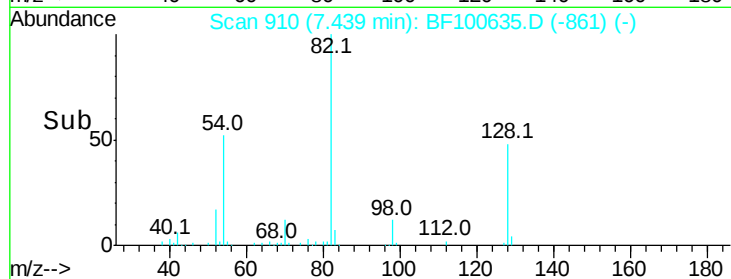
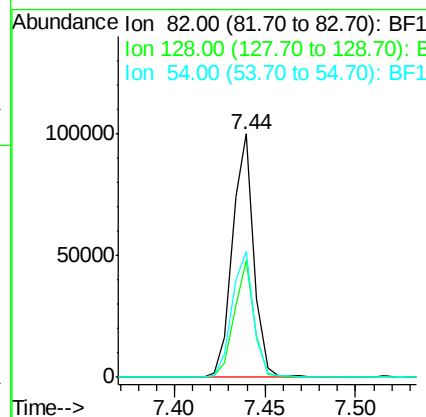
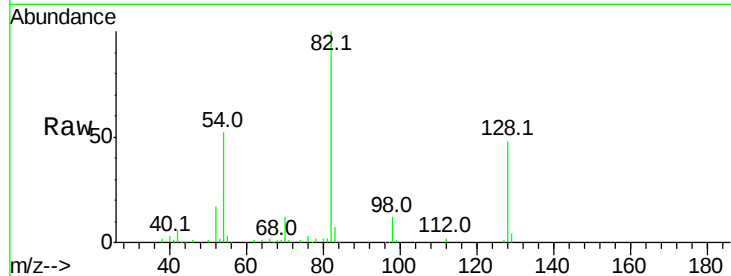
#23
Nitrobenzene-d5
Concen: 16.012 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.1	54.1
54	51.6	41.4	62.2

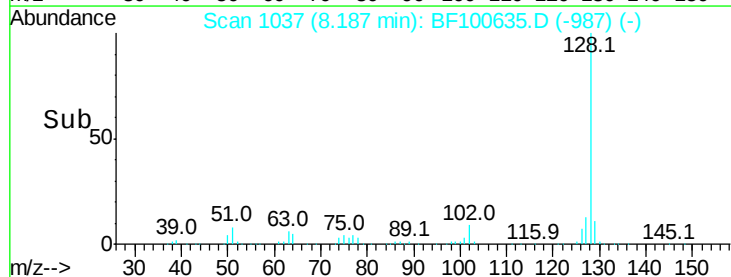
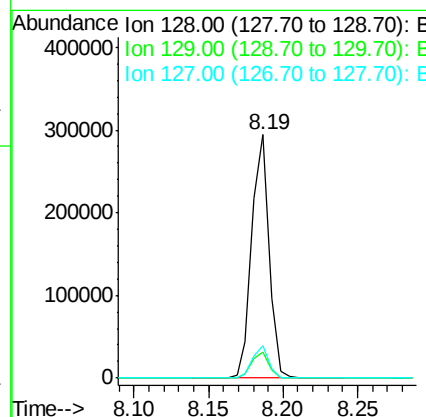
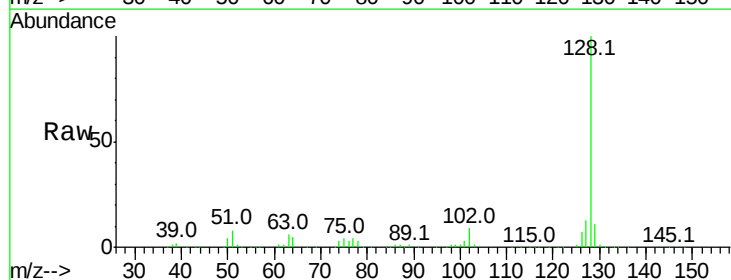
Manual Integrations
APPROVED

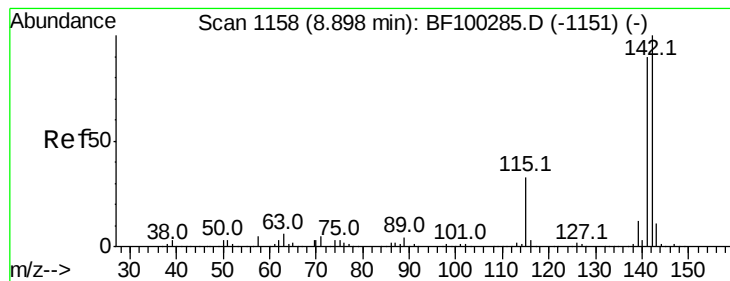
SOHIL
11/17/2017 1:24:59 PM



#31
Naphthalene
Concen: 14.598 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.1	10.9	16.3





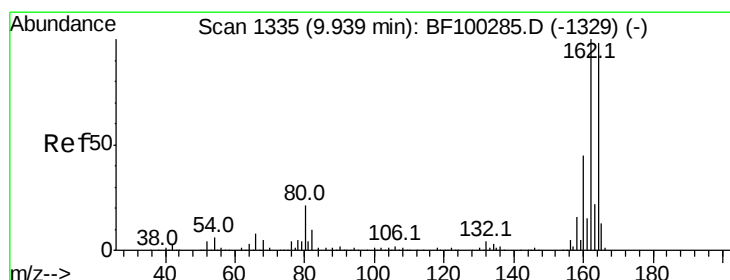
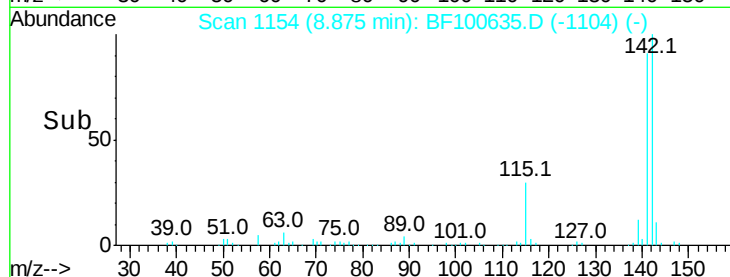
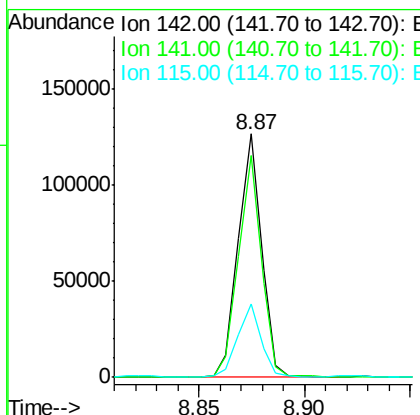
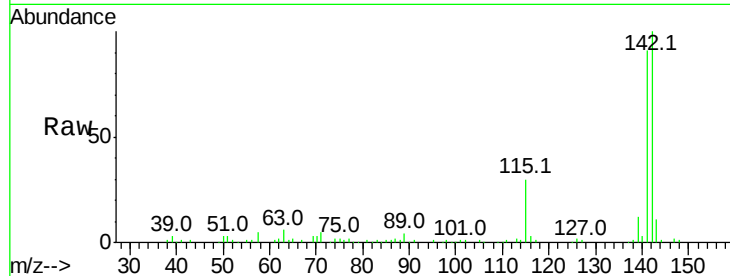
#37
2-Methylnaphthalene
Concen: 9.056 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.8	106.2
115	29.9	26.1	39.1

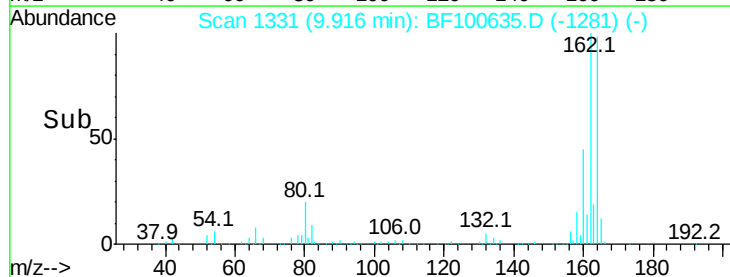
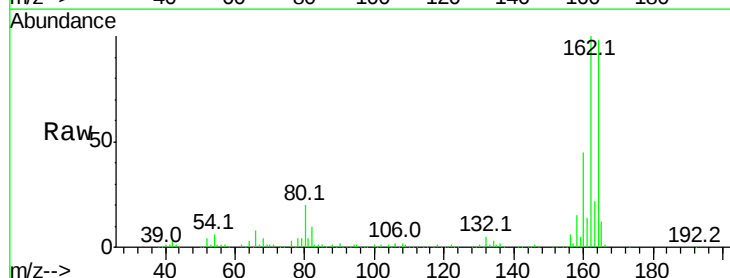
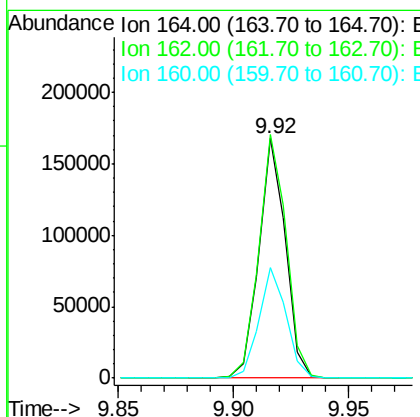
Manual Integrations
APPROVED

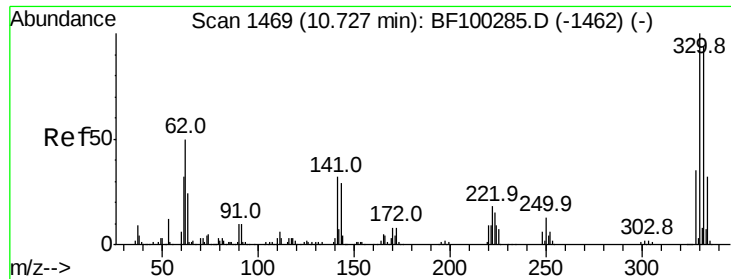
SOHIL
11/17/2017 1:24:59 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	46.2	38.3	57.5





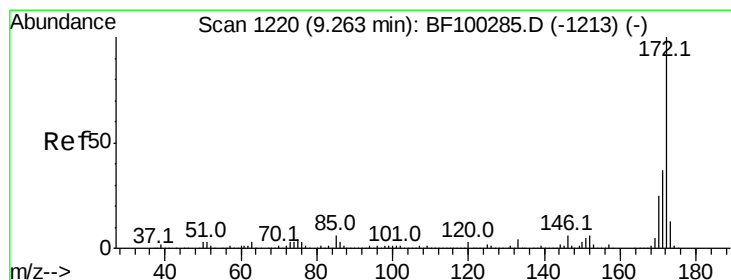
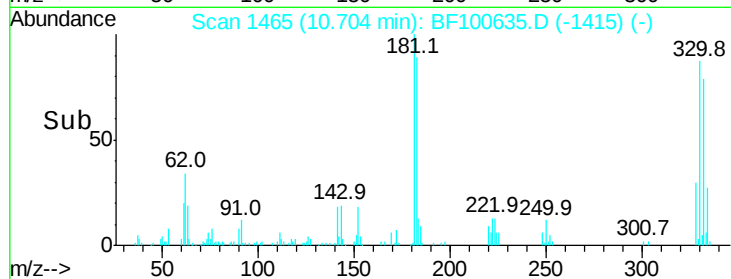
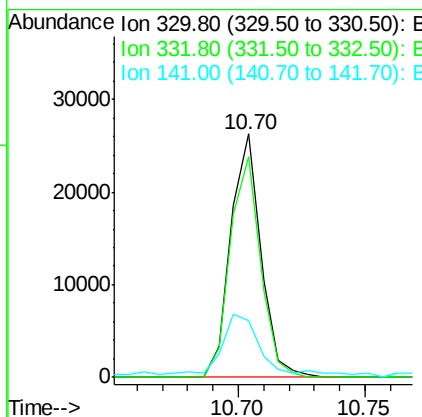
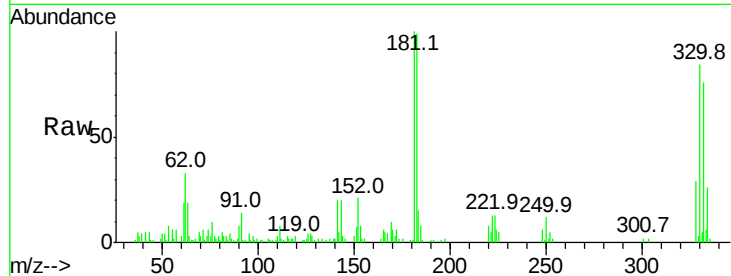
#41
 2,4,6-Tribromophenol
 Concen: 15.759 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	21694		
332	91.2	77.0	115.6	
141	37.5	29.9	44.9	

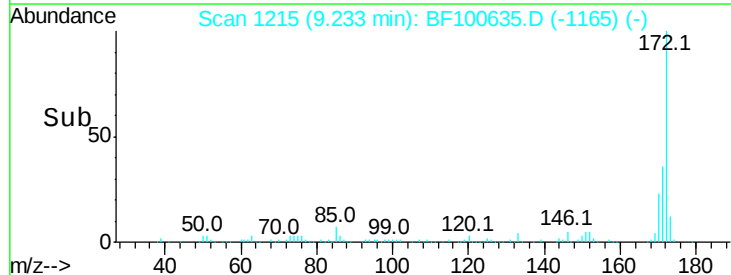
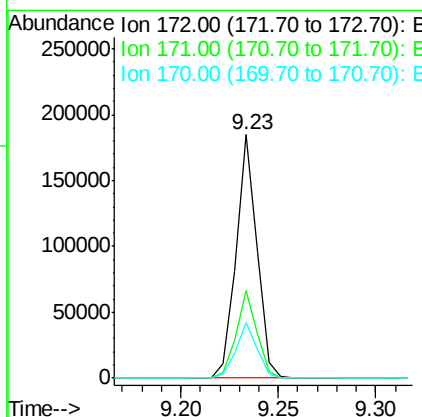
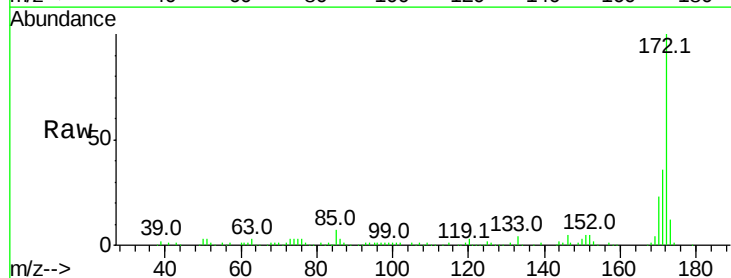
Manual Integrations
 APPROVED

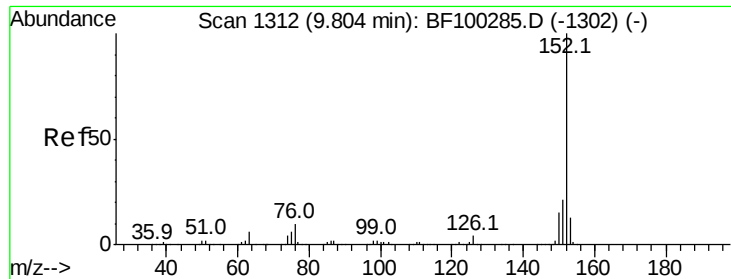
SOHIL
 11/17/2017 1:24:59 PM



#44
 2-Fluorobiphenyl
 Concen: 15.475 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	137297		
171	35.9	29.7	44.5	
170	22.6	19.6	29.4	





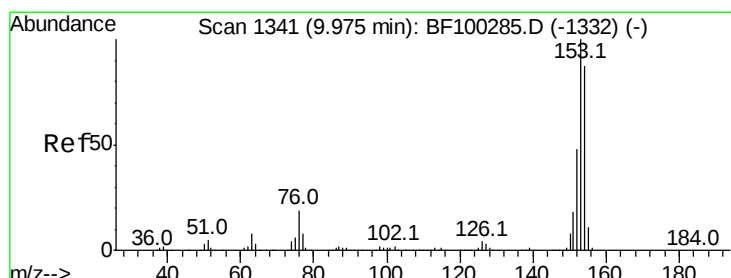
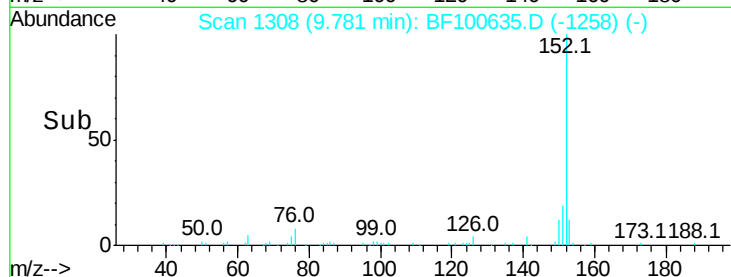
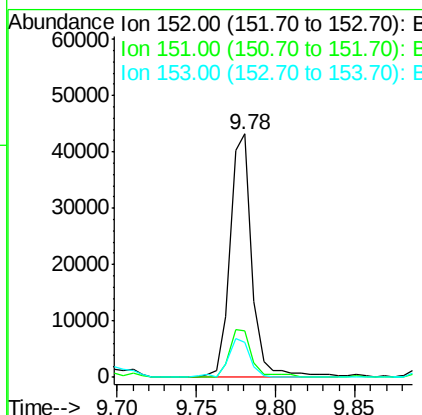
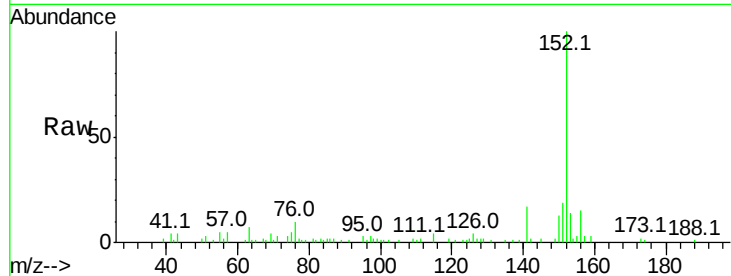
#48
 Acenaphthylene
 Concen: 2.955 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

Tot Ion:	152	Resp:	41506
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.3	24.5
153	14.4	10.7	16.1

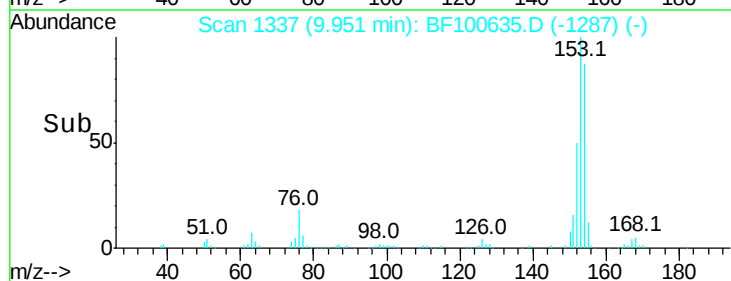
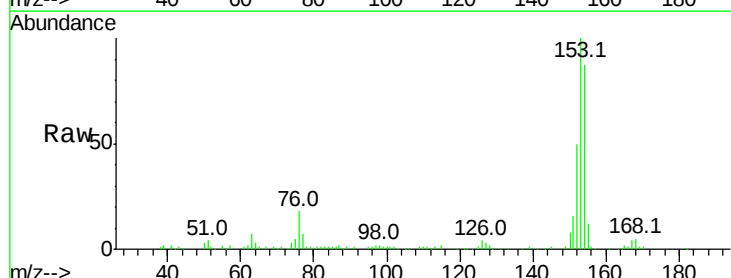
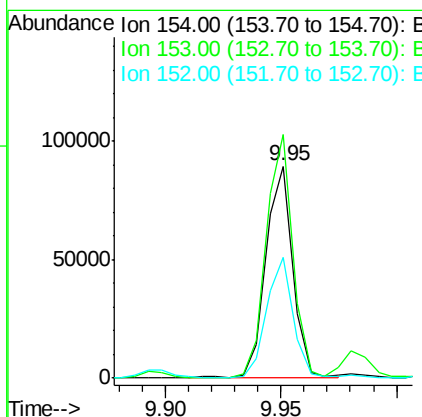
Manual Integrations
 APPROVED

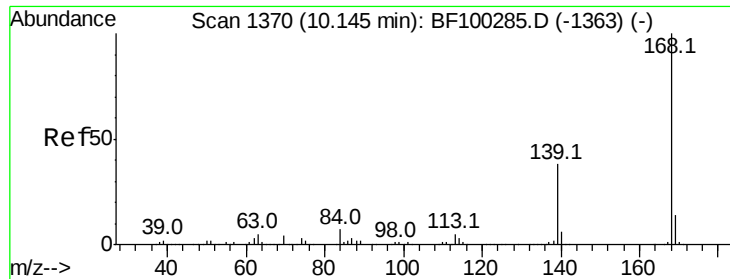
SOHIL
 11/17/2017 1:24:59 PM



#51
 Acenaphthene
 Concen: 8.528 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Tgt Ion:	154	Resp:	72856
Ion Ratio	Lower	Upper	
154	100		
153	114.9	91.2	136.8
152	56.9	43.8	65.8





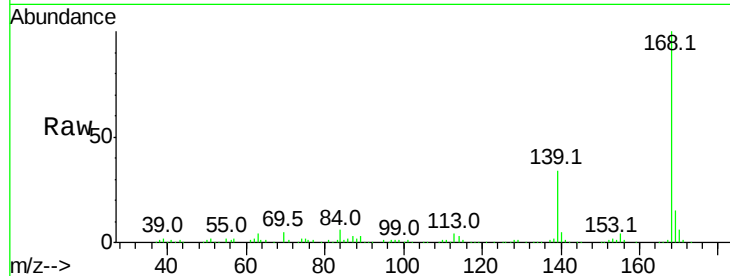
#54
Dibenzenofuran
Concen: 11.866 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

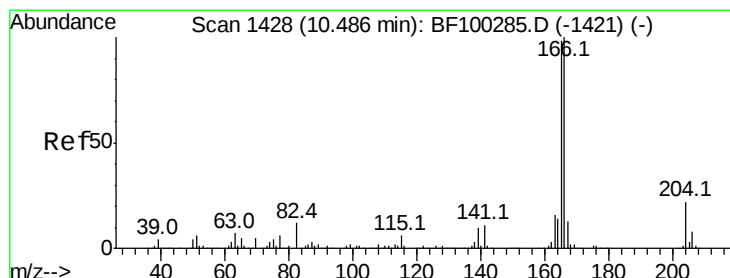
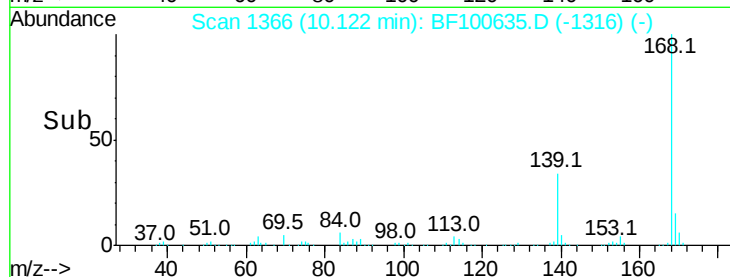
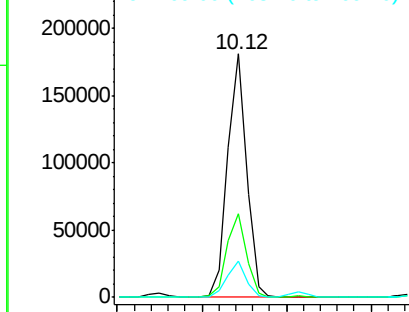
Tot Ion	Ratio	Lower	Upper
168	100		
139	34.3	30.1	45.1
169	14.9	10.9	16.3

Manual Integrations
APPROVED

SOHIL
11/17/2017 1:24:59 PM

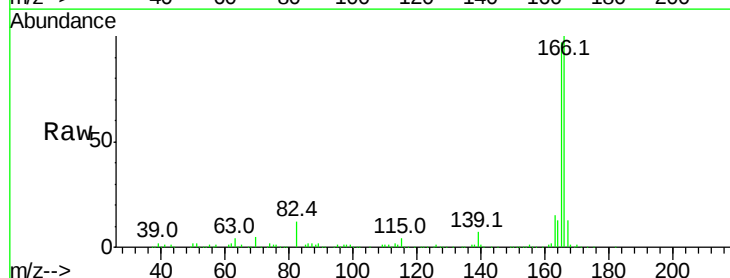


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

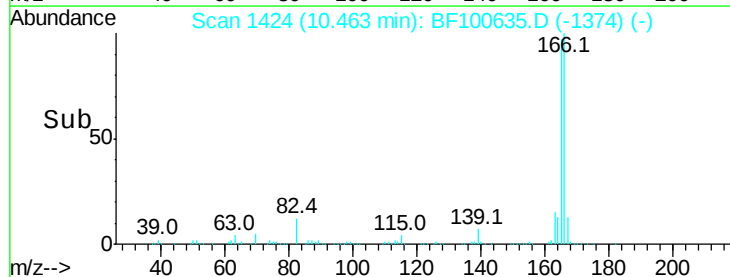
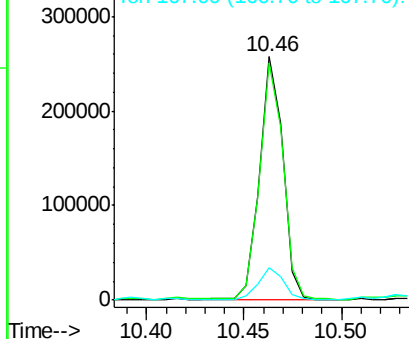


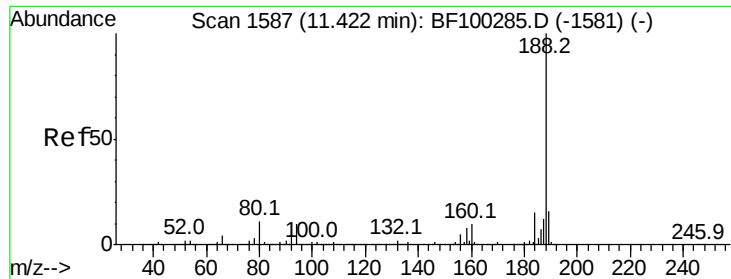
#57
Fluorene
Concen: 24.203 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.8	119.8
167	13.4	10.6	16.0



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





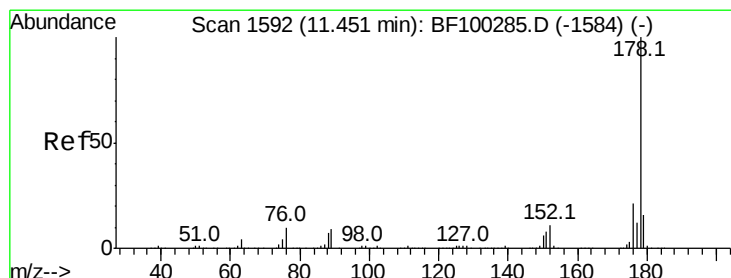
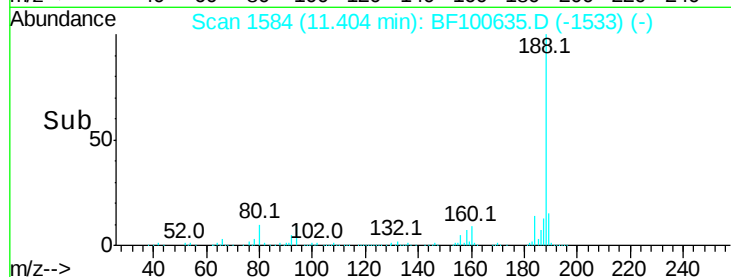
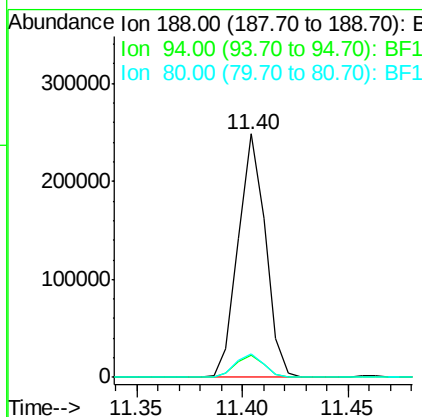
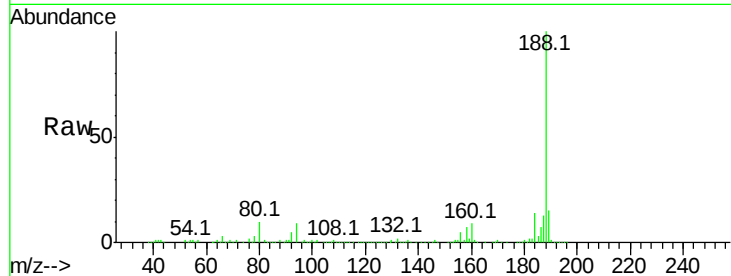
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.6	9.2	13.8

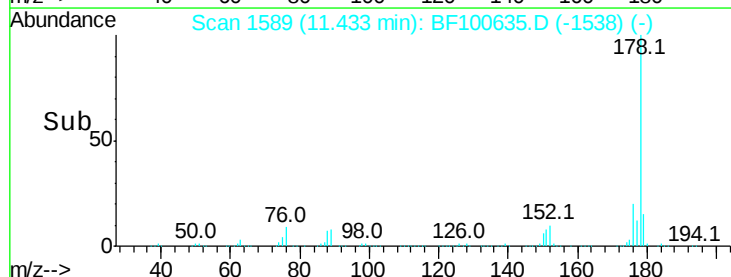
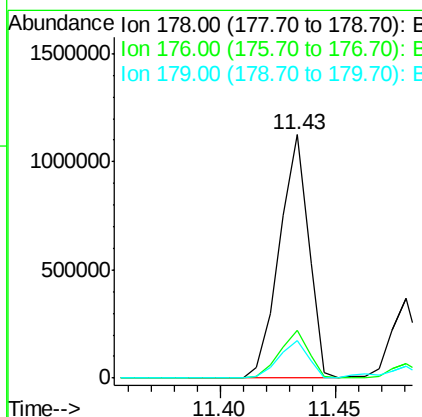
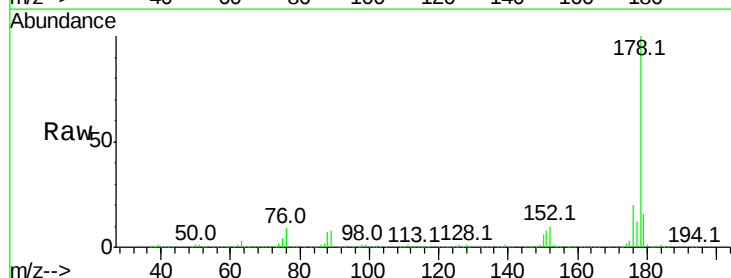
Manual Integrations
APPROVED

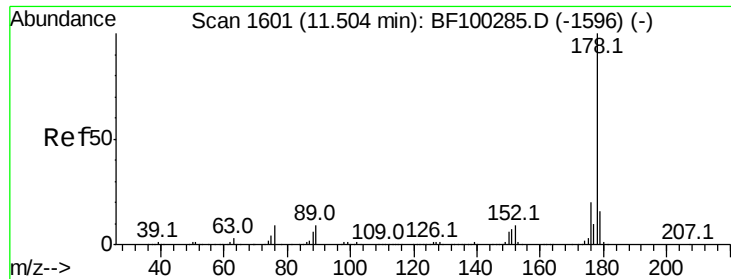
SOHIL
11/17/2017 1:24:59 PM



#70
Phenanthrene
Concen: 84.202 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.5	13.0	19.6





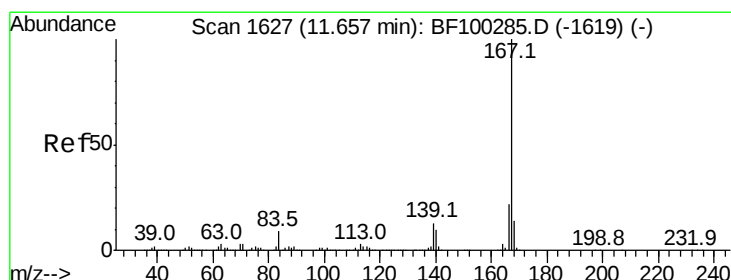
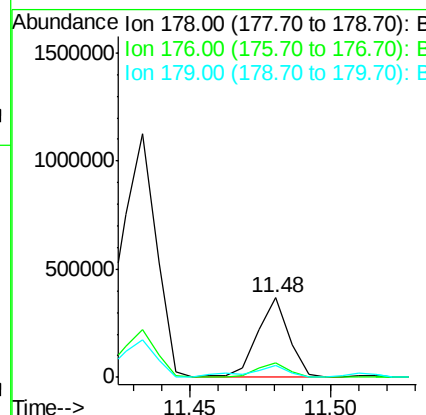
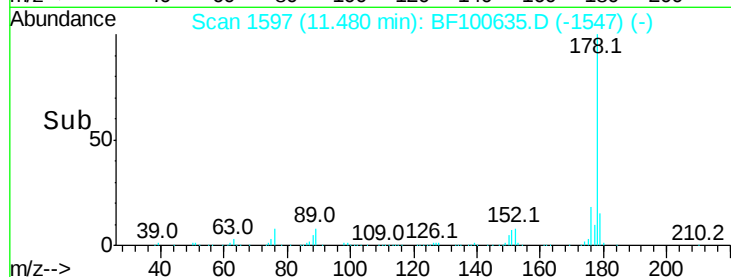
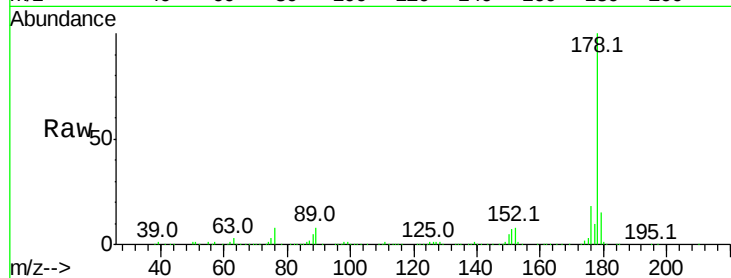
#71
 Anthracene
 Concen: 23.350 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.4	12.6	19.0

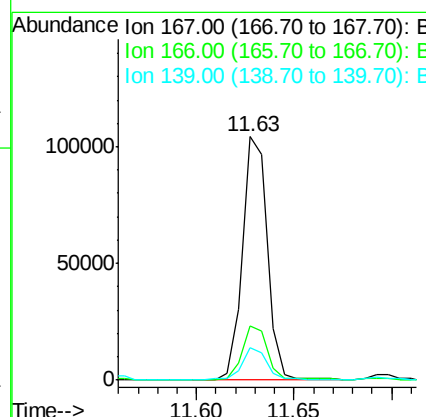
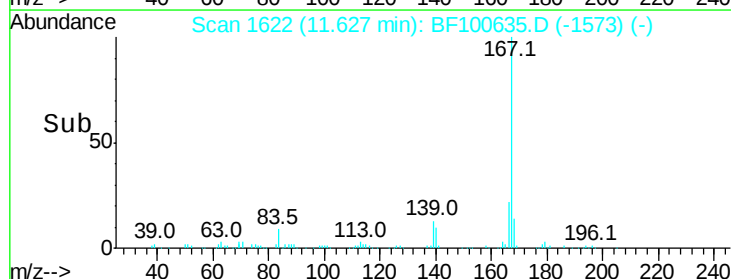
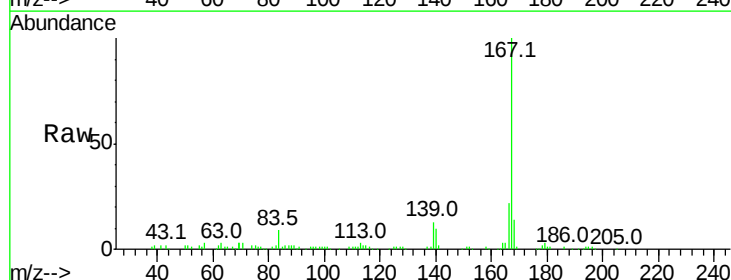
Manual Integrations
 APPROVED

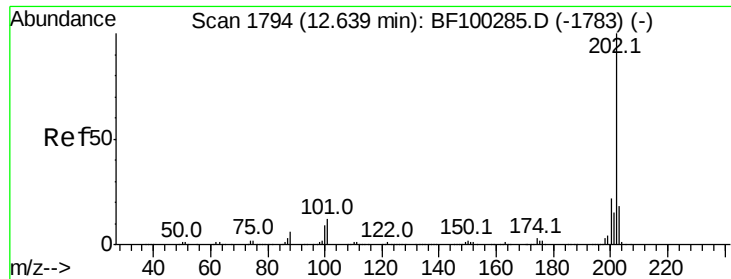
SOHIL
 11/17/2017 1:24:59 PM



#72
 Carbazole
 Concen: 8.446 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	13.4	10.9	16.3





#74

Fluoranthene

Concen: 71.629 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Instrument :

BNA_F

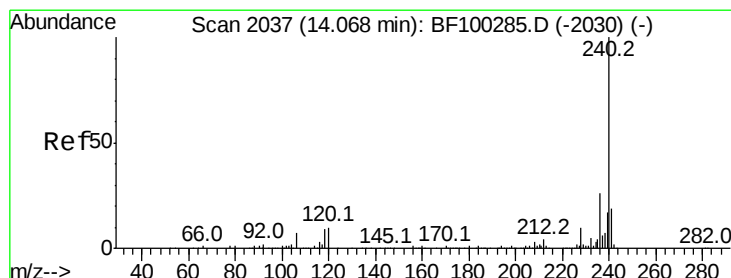
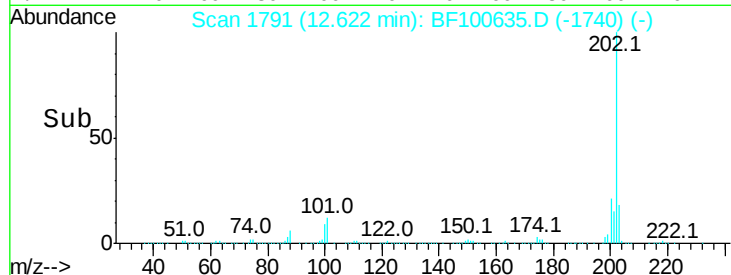
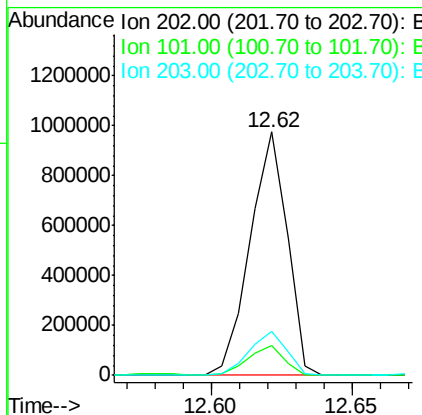
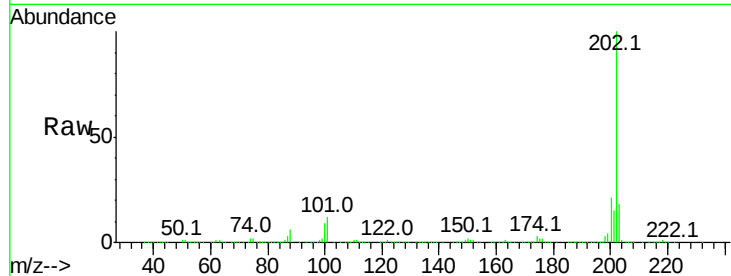
ClientSampleId :

PL-01-111317-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	887742		
101	12.1	0.0	34.1	
203	17.9	0.0	38.1	

Manual Integrations
APPROVED

SOHIL
11/17/2017 1:24:59 PM



#75

Chrysene-d12

Concen: 20.000 ng

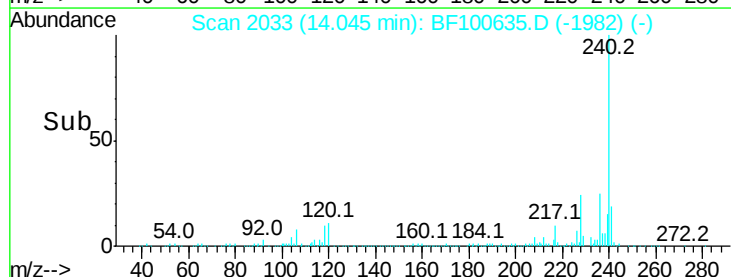
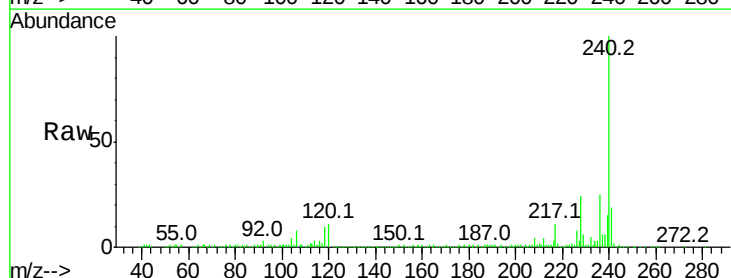
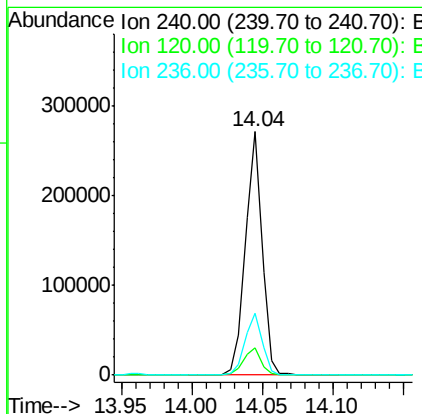
RT: 14.04 min Scan# 2033

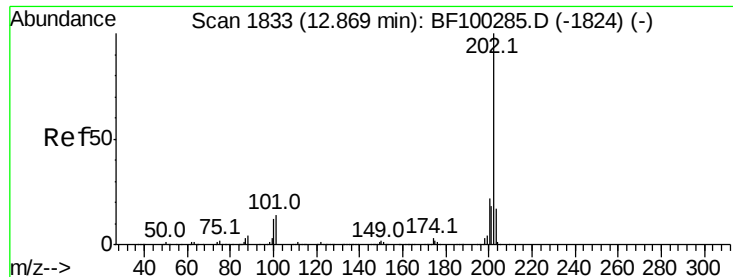
Delta R.T. 0.00 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	223735		
120	11.2	9.5	14.3	
236	25.4	20.7	31.1	





#77

Pvrene

Concen: 48.626 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Instrument :

BNA_F

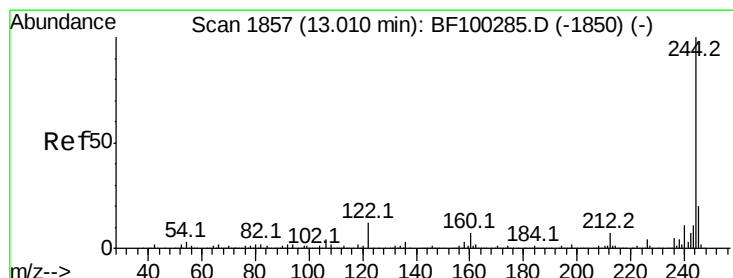
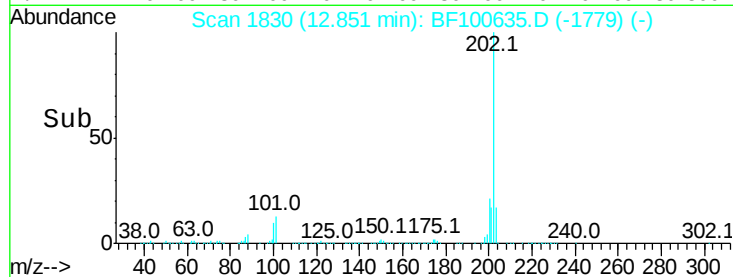
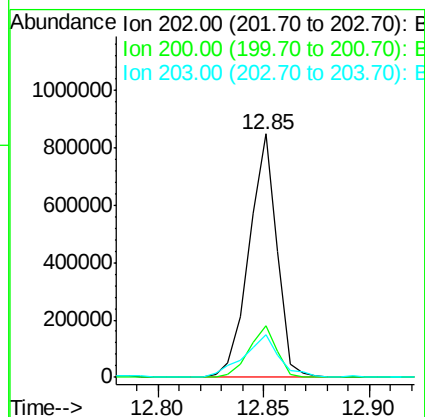
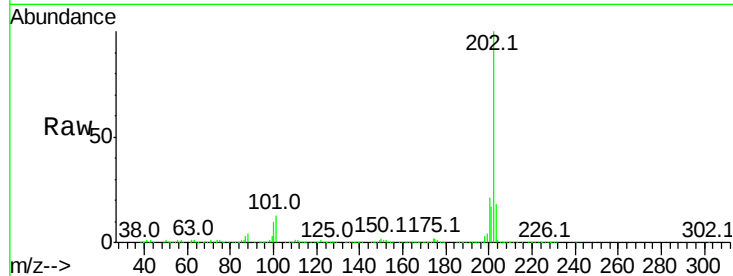
ClientSampleId :

PL-01-111317-C

Tot Ion:	202	Resp:	775528
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
APPROVED

SOHIL
11/17/2017 1:24:59 PM



#78

Terphenyl-d14

Concen: 10.881 ng

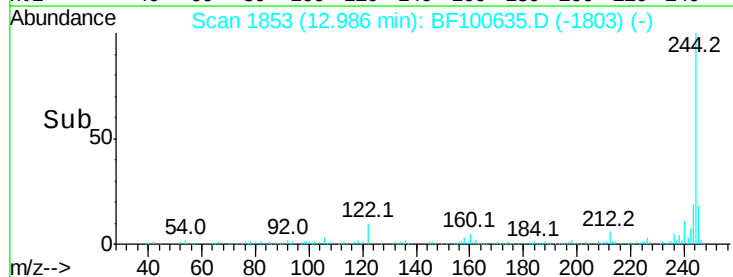
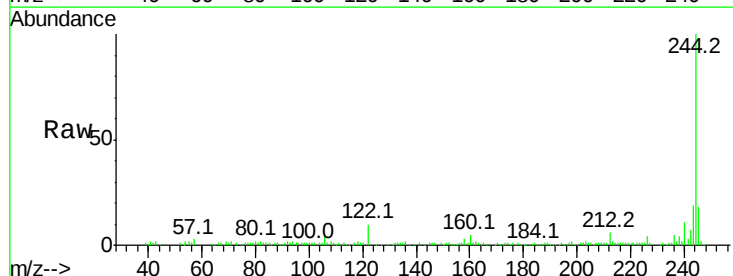
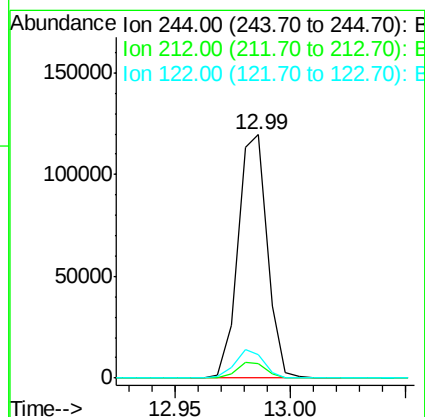
RT: 12.99 min Scan# 1853

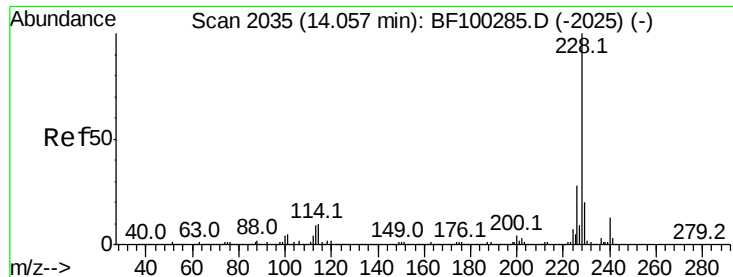
Delta R.T. -0.01 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Tgt Ion:	244	Resp:	105952
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.4	8.0
122	9.7	11.0	16.4#





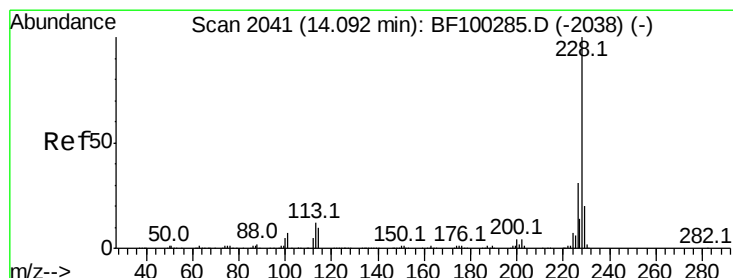
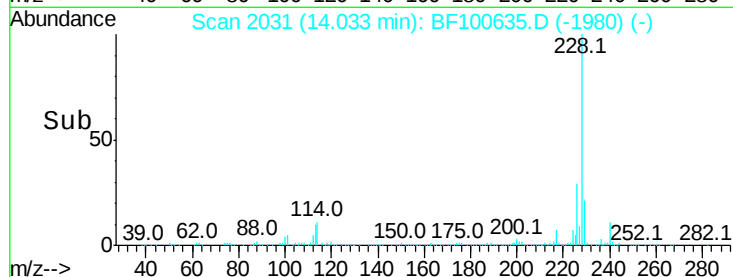
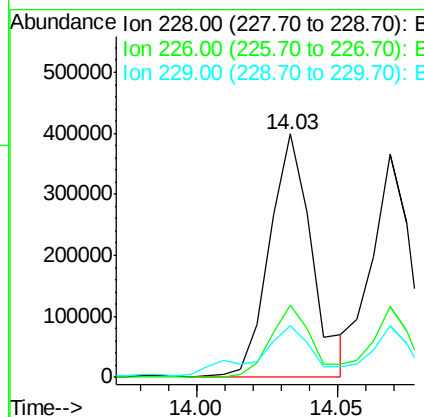
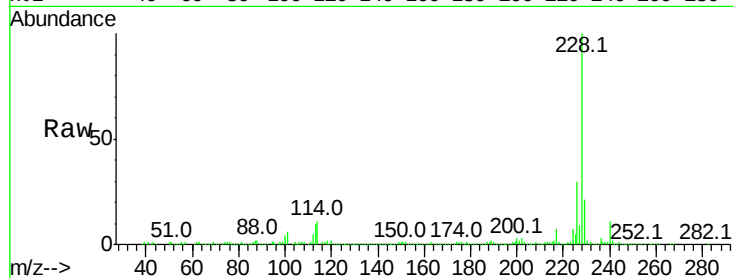
#80
Benzo(a)anthracene
Concen: 30.541 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.0	15.8	23.6

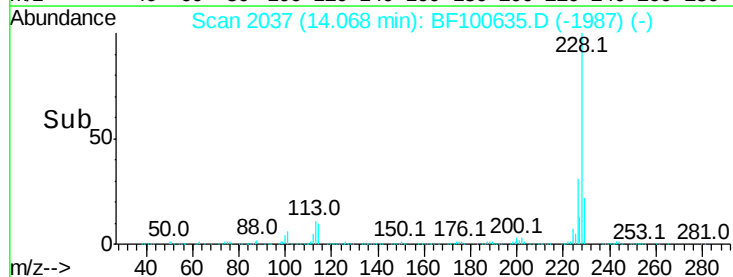
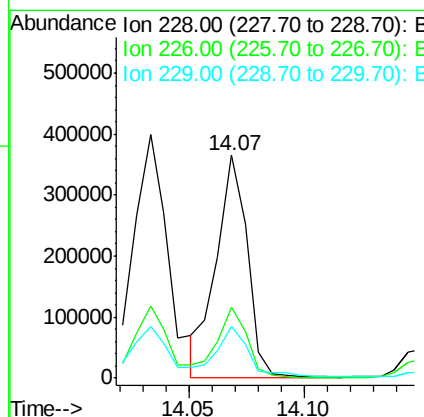
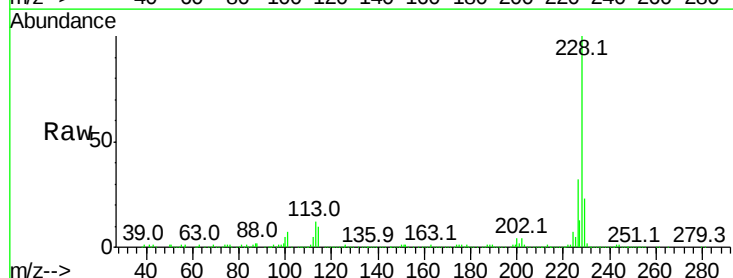
Manual Integrations
APPROVED

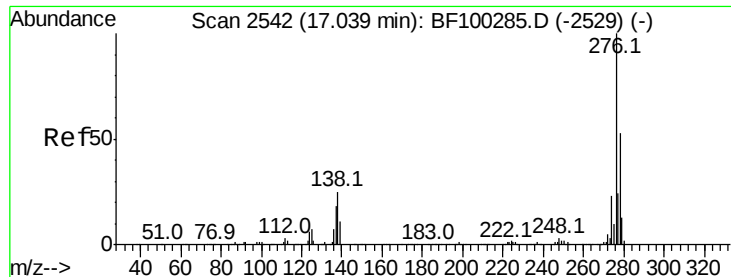
SOHIL
11/17/2017 1:24:59 PM



#82
Chrysene
Concen: 25.942 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.9	16.2	24.4





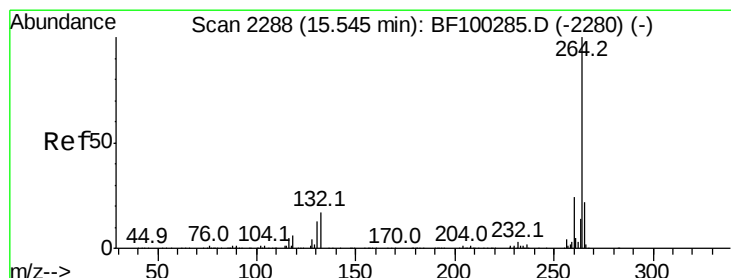
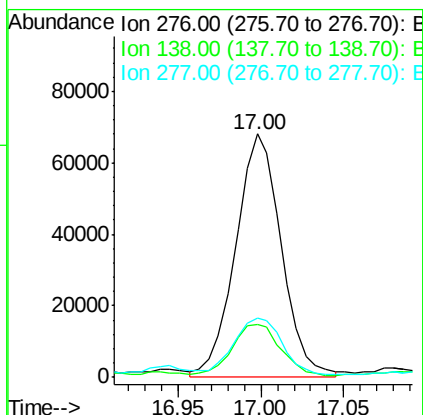
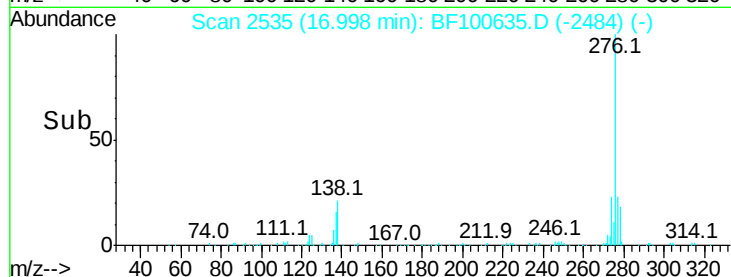
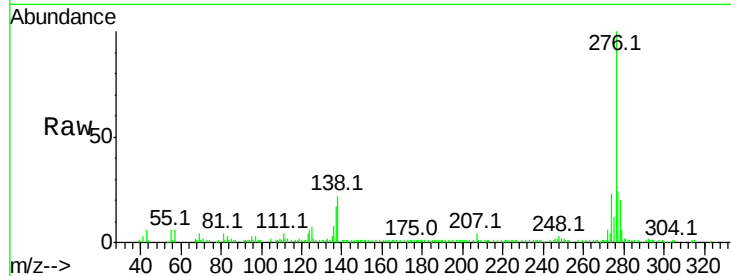
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.444 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.5	25.0	37.6#
277	5.3	20.1	30.1#

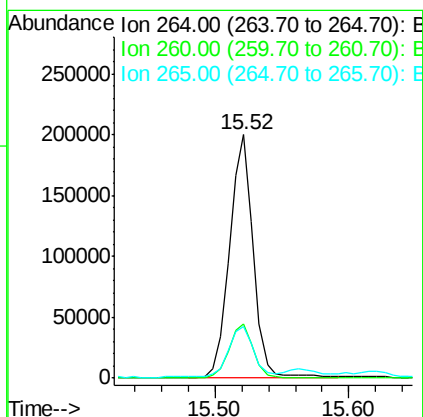
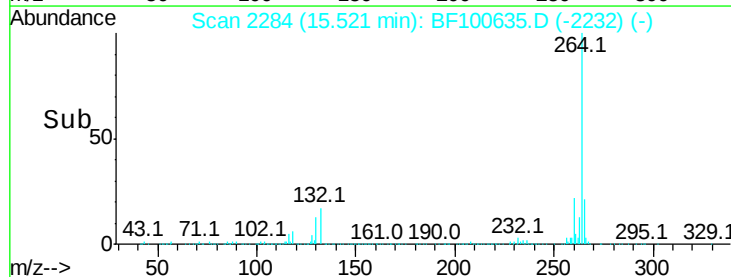
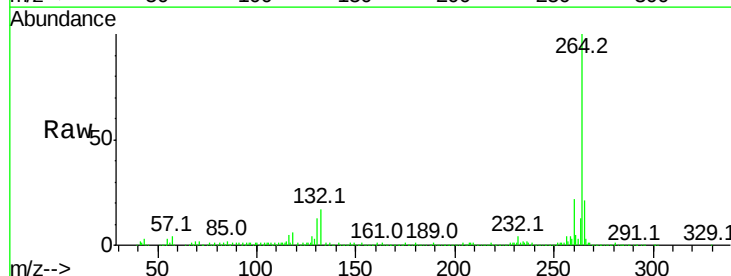
Manual Integrations
APPROVED

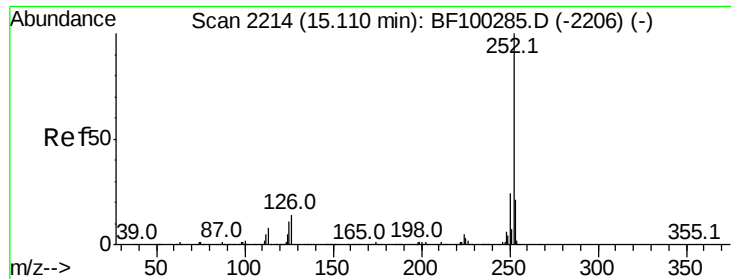
SOHIL
11/17/2017 1:24:59 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 28.002 ng m

RT: 15.09 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

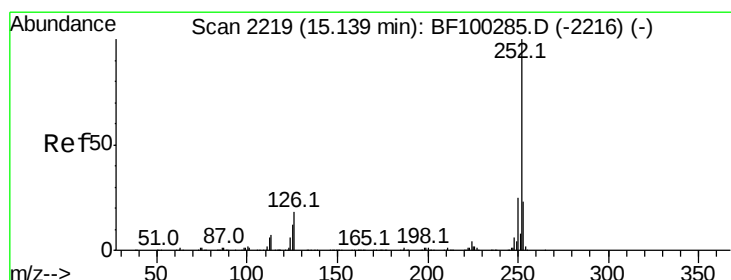
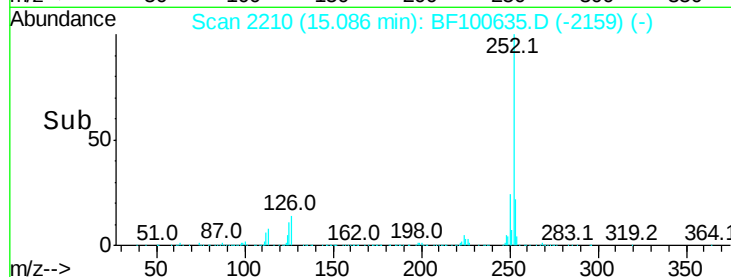
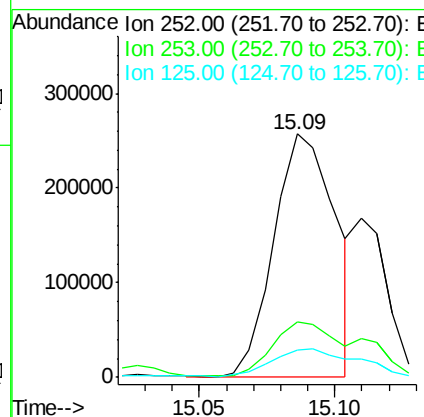
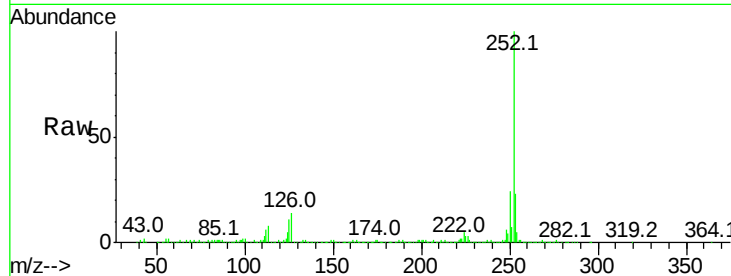
Instrument :
BNA_F

ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.5	9.0	13.6

Manual Integrations
APPROVED

SOHIL
11/17/2017 1:24:59 PM



#88

Benzo(k)fluoranthene

Concen: 10.568 ng m

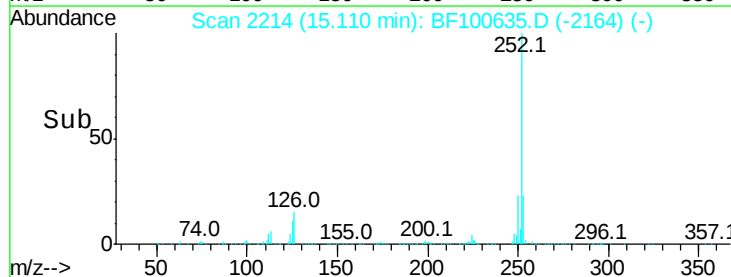
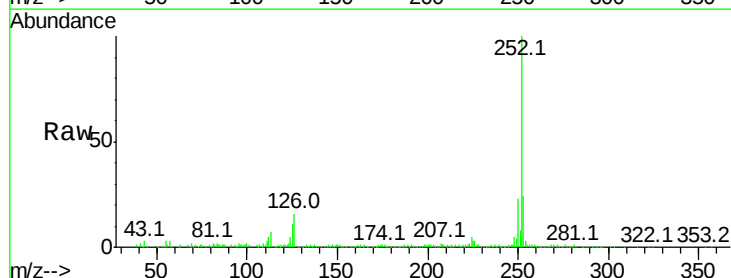
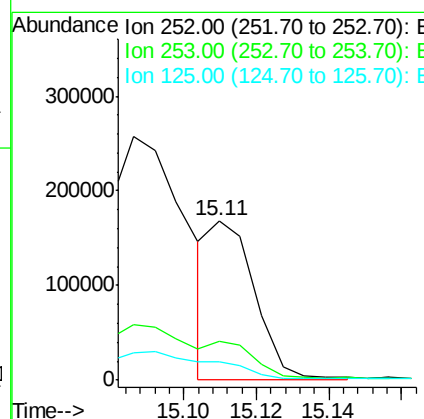
RT: 15.11 min Scan# 2214

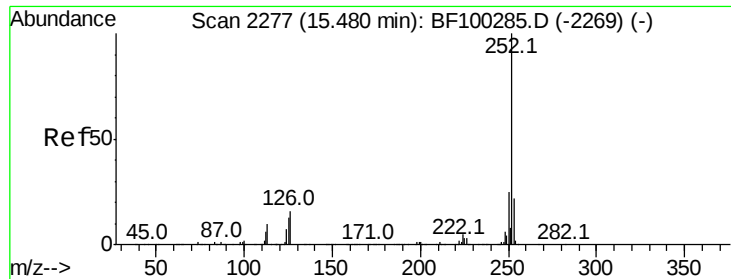
Delta R.T. -0.01 min

Lab File: BF100635.D

Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	11.5	10.2	15.2





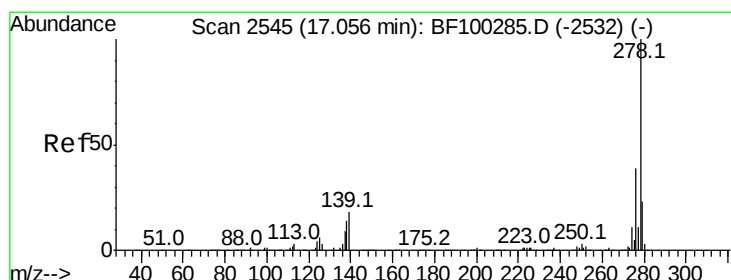
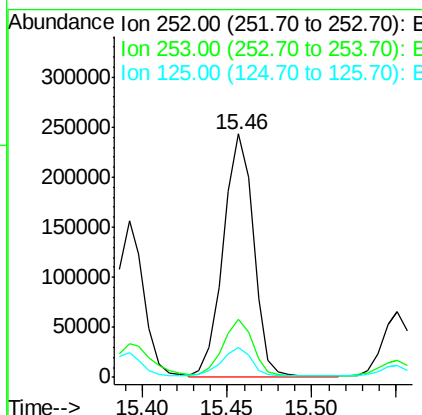
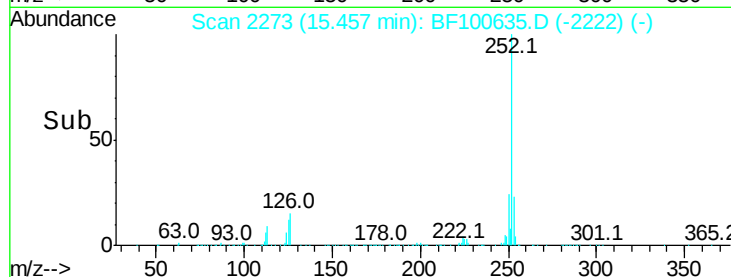
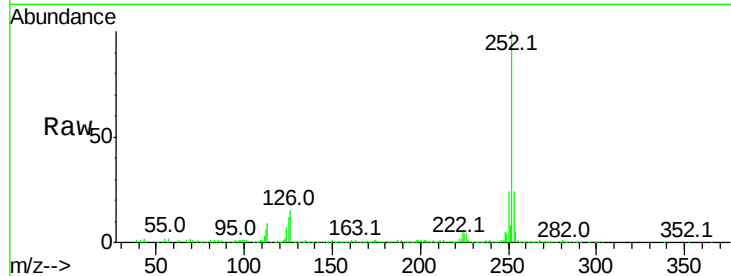
#89
Benzo(a)pyrene
Concen: 23.394 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	12.4	9.8	14.6

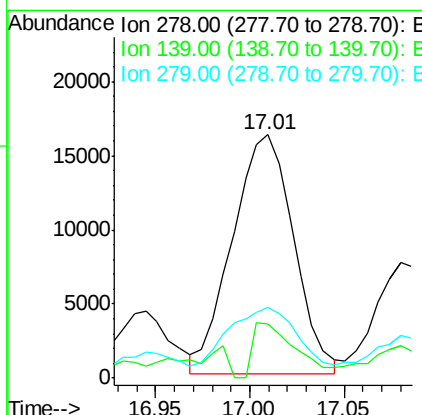
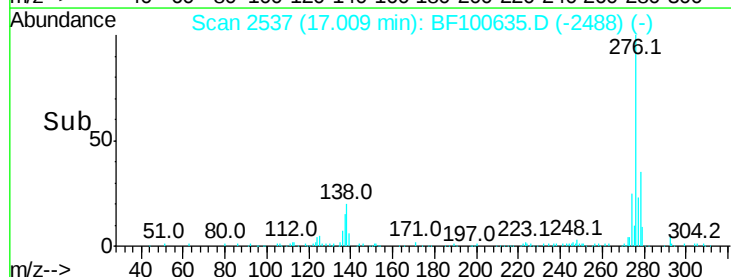
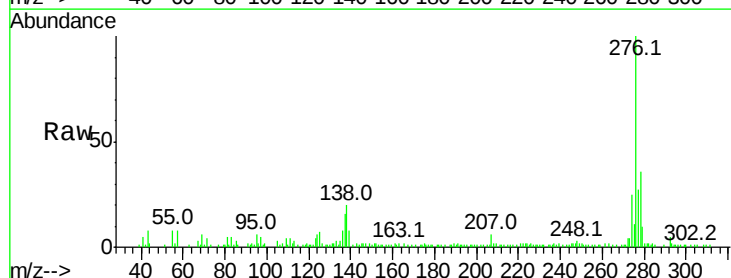
Manual Integrations
APPROVED

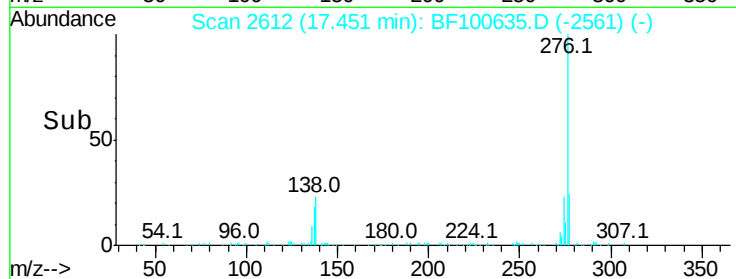
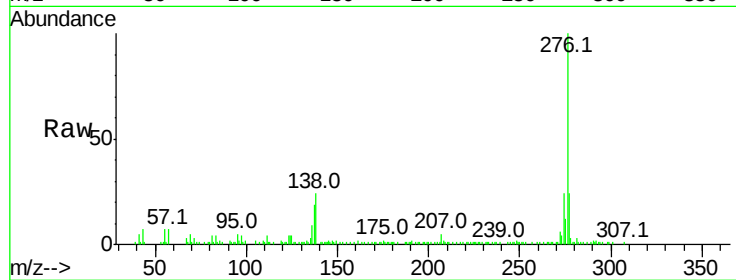
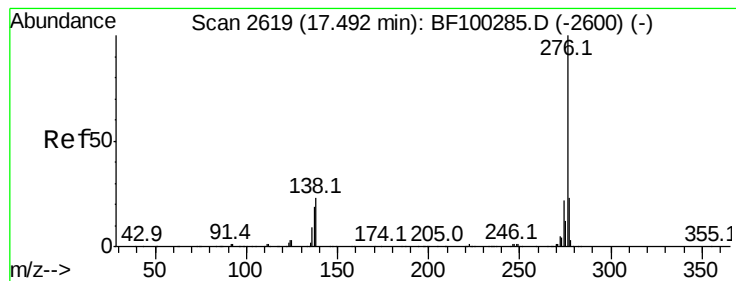
SOHIL
11/17/2017 1:24:59 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.463 ng m
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF100635.D
Acq: 16 Nov 2017 17:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	15.9	23.9
279	29.0	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 10.367 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: BF100635.D
 Acq: 16 Nov 2017 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-C

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	17.9	26.9
138	24.0	21.8	32.8

Manual Integrations
 APPROVED

SOHIL
 11/17/2017 1:24:59 PM

