

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101157.D
 Acq On : 6 Dec 2017 9:23
 Operator : SJ/JU
 Sample : I6696-04DL 20X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-1DL

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:13:44 PM

Quant Time: Dec 06 11:51:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52419	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	202440	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	91733	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	166084	20.00	ng	0.00
75) Chrysene-d12	14.02	240	106103	20.00	ng	0.00
86) Perylene-d12	15.49	264	113748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	14398	4.54	ng	0.00
7) Phenol-d6	6.47	99	16451	4.27	ng	0.00
23) Nitrobenzene-d5	7.41	82	9863	2.91	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	3068	2.78	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	21736	3.24	ng	-0.01
78) Terphenyl-d14	12.95	244	18483	3.81	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.15	128	219131	21.963	ng	98
37) 2-Methylnaphthalene	8.84	142	58564	8.639	ng	99
45) 1,1'-Biphenyl	9.30	154	20985	2.497	ng	98
51) Acenaphthene	9.92	154	65984	11.234	ng	98
57) Fluorene	10.43	166	36295	5.275	ng	94
70) Phenanthrene	11.40	178	208339	22.779	ng	98
71) Anthracene	11.45	178	54022	5.836	ng	97
74) Fluoranthene	12.59	202	79218	7.814	ng	95
77) Pyrene	12.82	202	110448	15.086	ng	98
80) Benzo(a)anthracene	14.00	228	30406m	4.539	ng	
82) Chrysene	14.04	228	25802	4.147	ng	98
87) Benzo(b)fluoranthene	15.06	252	22227m	3.262	ng	
89) Benzo(a)pyrene	15.43	252	26280	4.243	ng	96

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

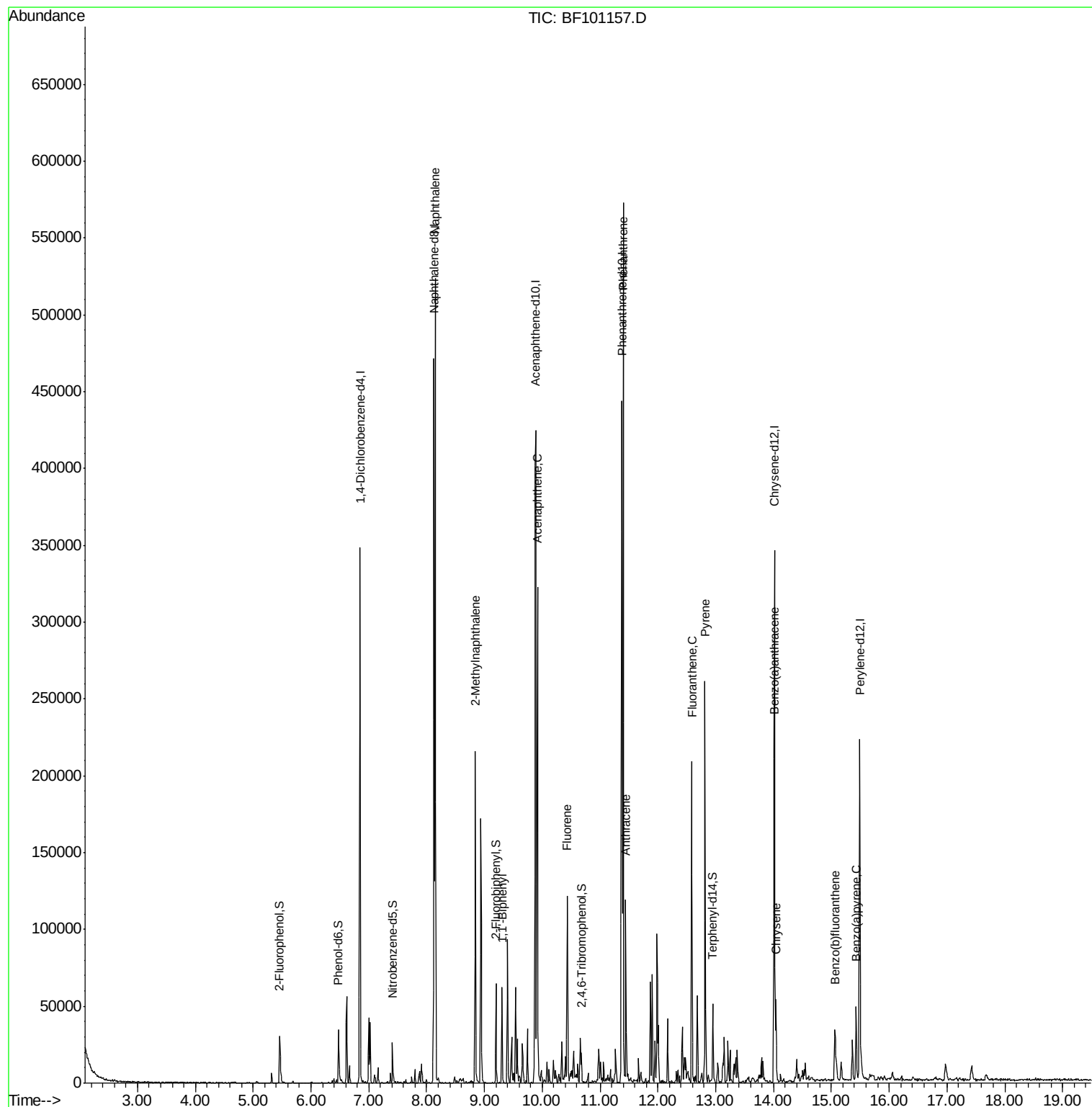
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101157.D
Acq On : 6 Dec 2017 9:23
Operator : SJ/JU
Sample : I6696-04DL 20X
Misc :
ALS Vial : 44 Sample Multiplier: 1

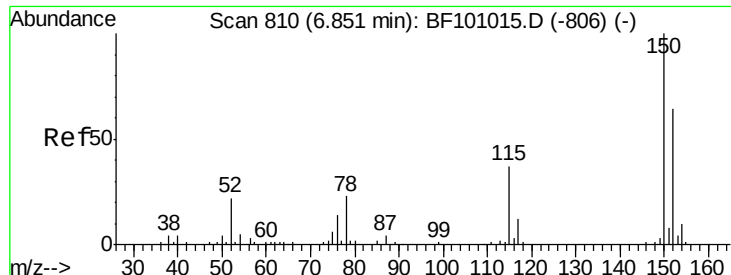
Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-1DL

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:44 PM

Quant Time: Dec 06 11:51:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration





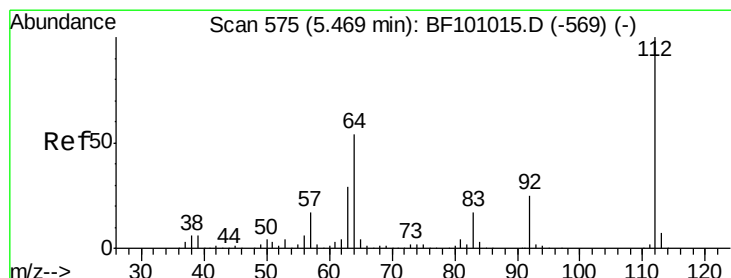
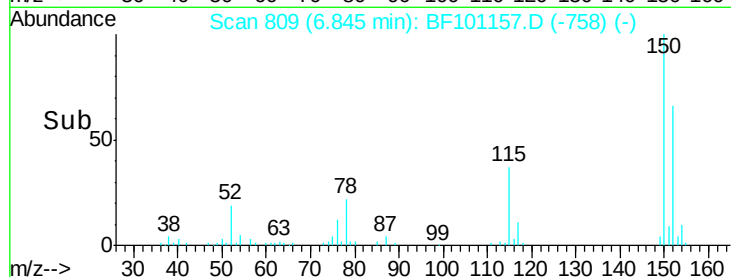
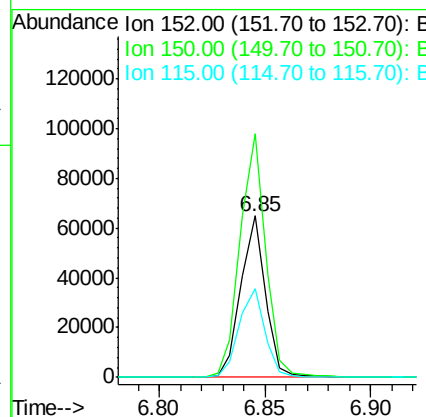
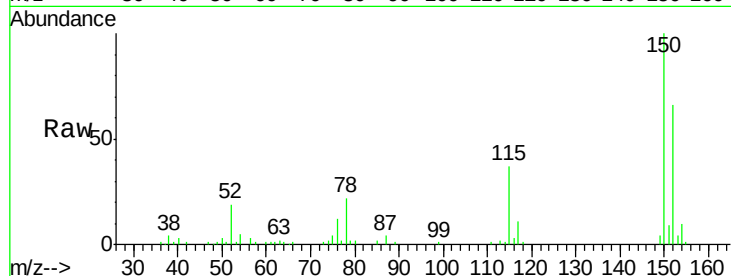
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.6	186.8
115	55.3	50.1	75.1

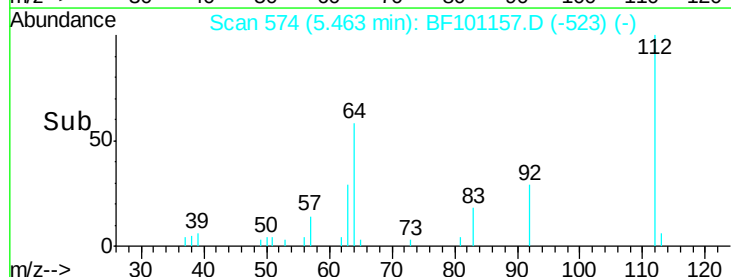
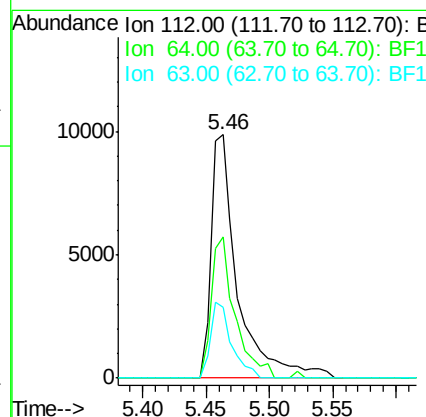
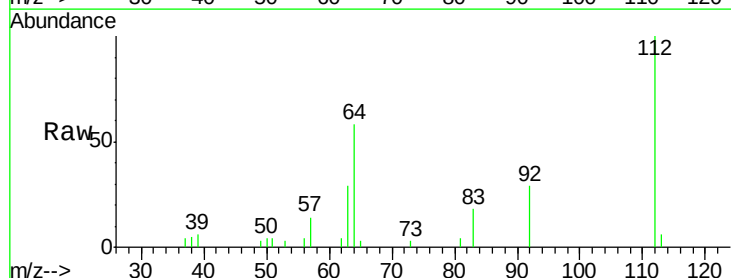
Manual Integrations
 APPROVED

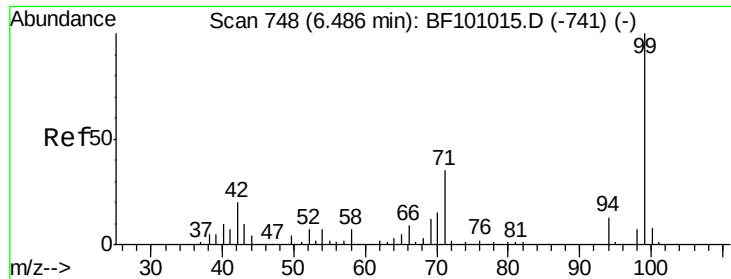
Sohil
 12/6/2017 5:13:44 PM



#5
 2-Fluorophenol
 Concen: 4.539 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 4.271 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Instrument :

BNA_F

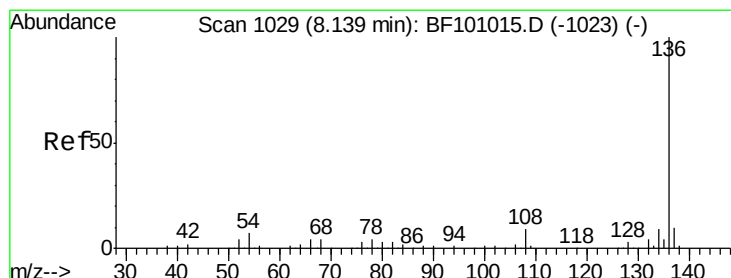
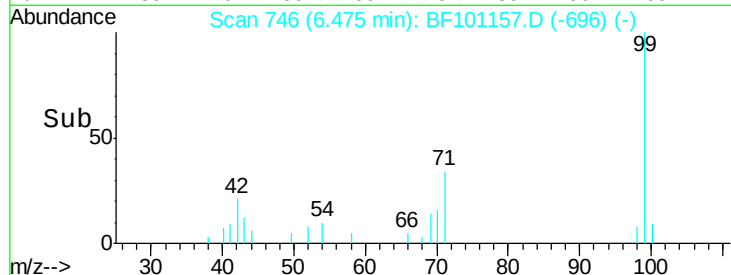
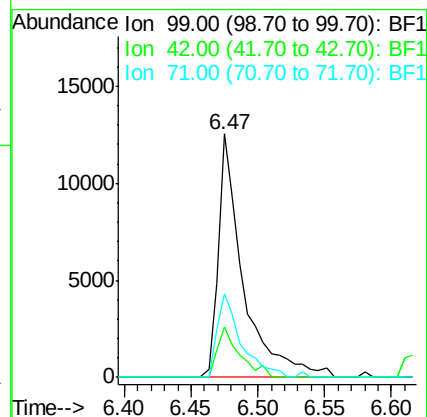
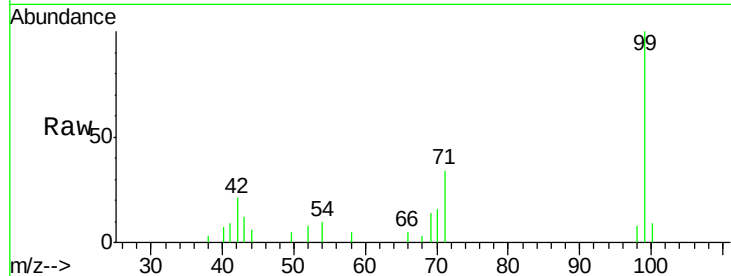
ClientSampleId :

CS-TP-BANK-1DL

Tot Ion:	99	Resp:	16451
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.5	21.7
71	34.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:44 PM



#21

Naphthalene-d8

Concen: 20.000 ng

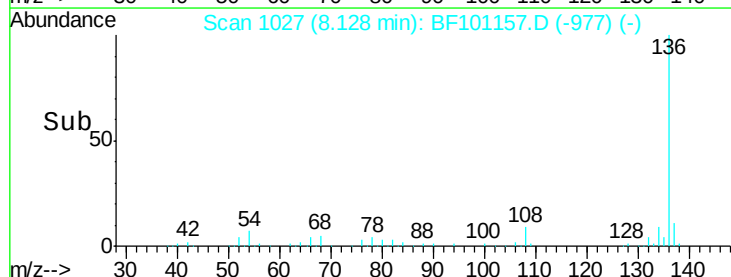
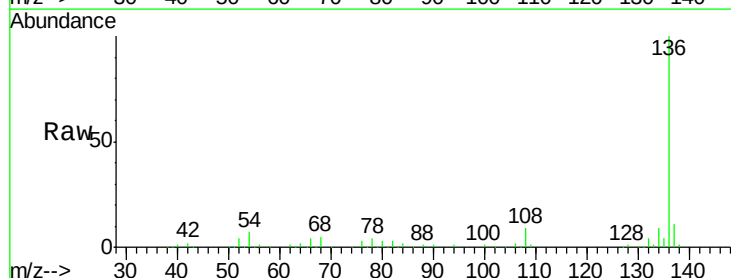
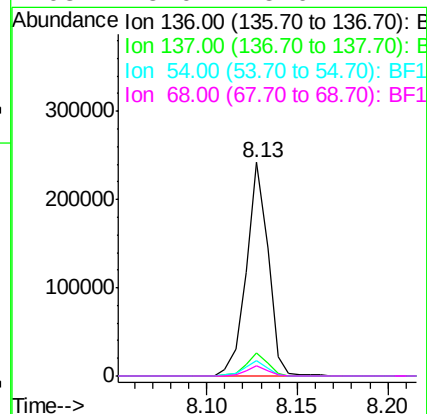
RT: 8.13 min Scan# 1027

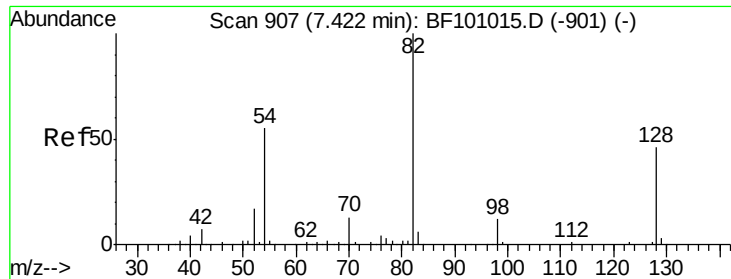
Delta R.T. -0.01 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Tgt Ion:	136	Resp:	202440
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.3	6.6	9.8
68	5.0	5.0	7.4





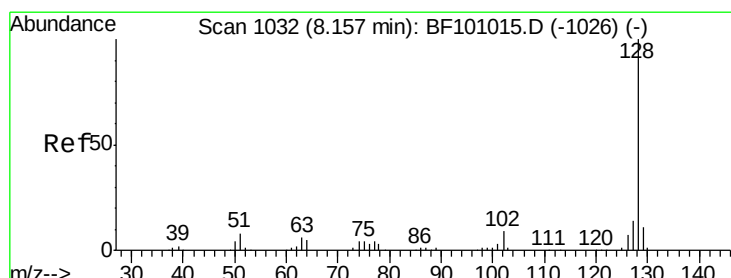
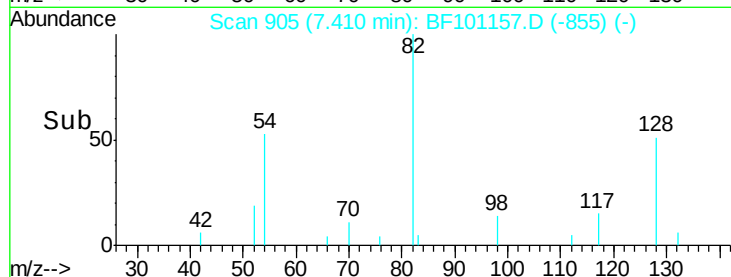
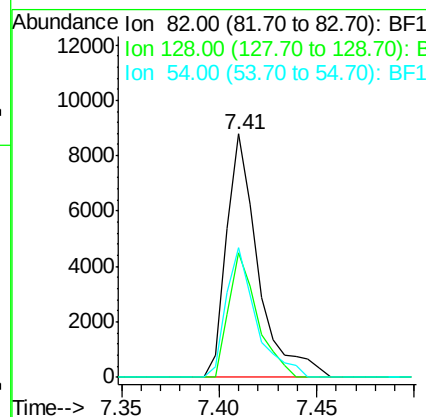
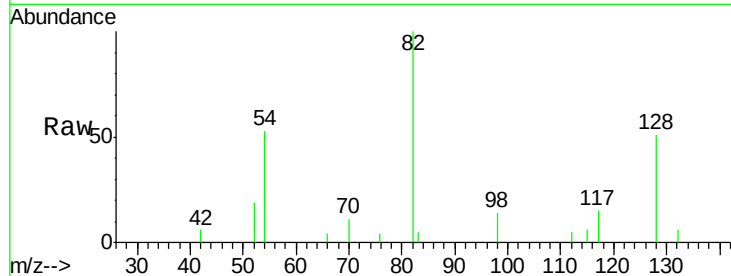
#23
 Nitrobenzene-d5
 Concen: 2.906 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.0	36.1	54.1
54	53.2	41.4	62.2

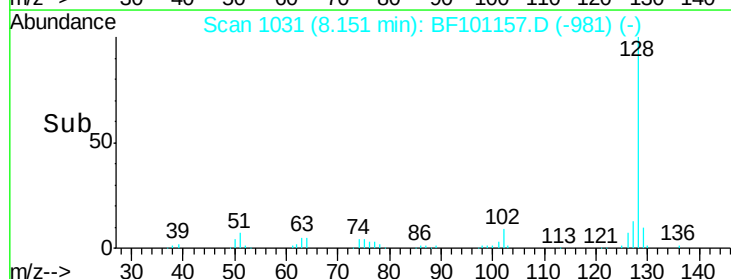
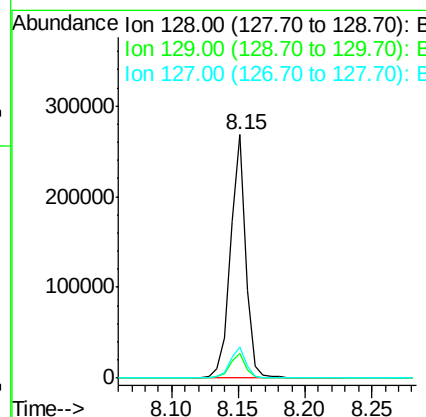
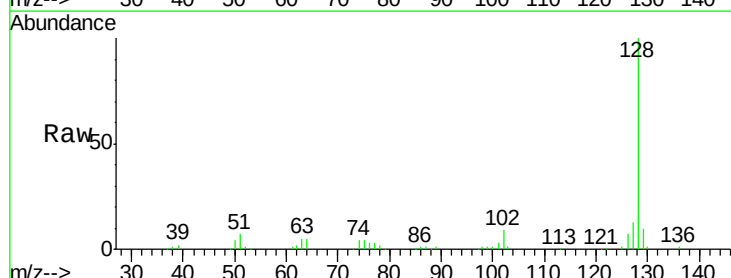
Manual Integrations
 APPROVED

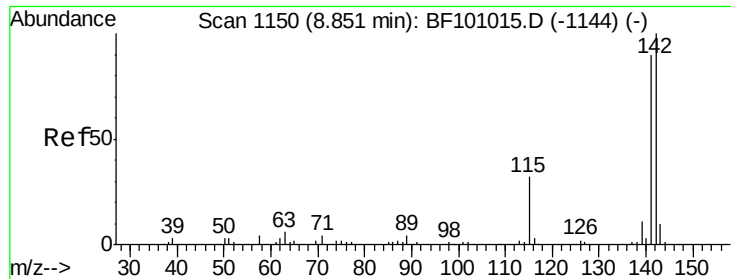
Sohil
 12/6/2017 5:13:44 PM



#31
 Naphthalene
 Concen: 21.963 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.6	10.9	16.3





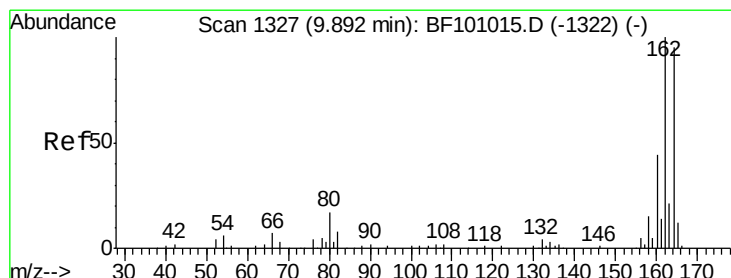
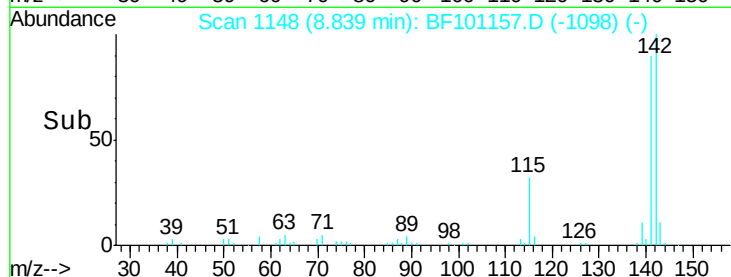
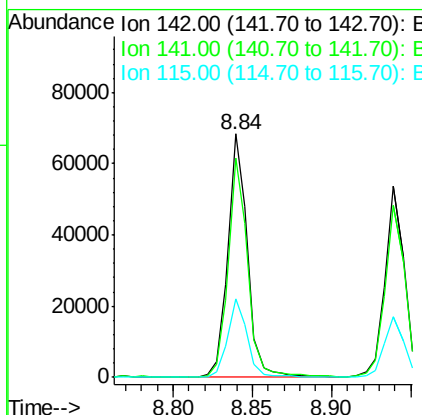
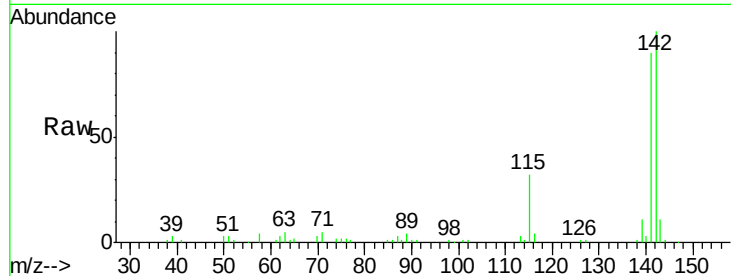
#37
2-Methylnaphthalene
Concen: 8.639 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	32.2	26.1	39.1

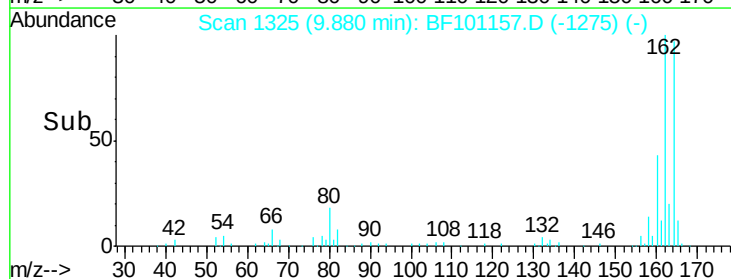
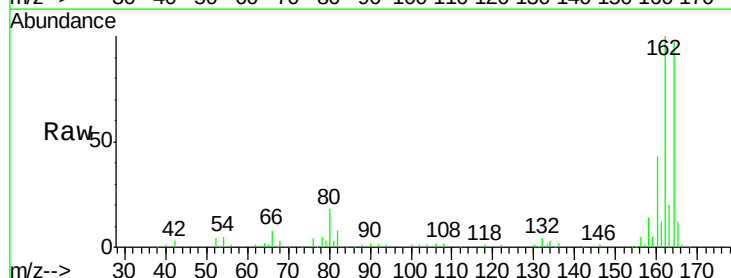
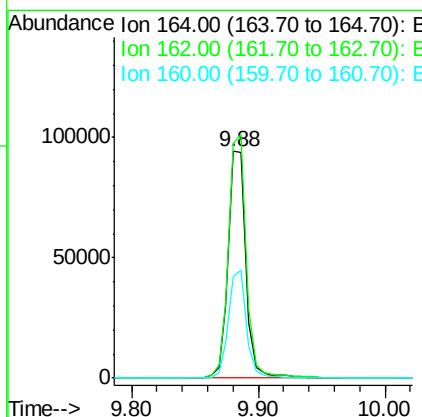
Manual Integrations
APPROVED

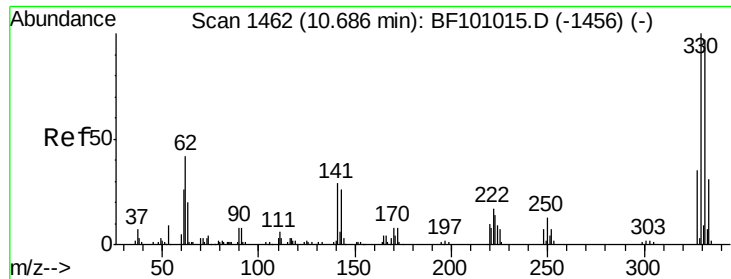
Sohil
12/6/2017 5:13:44 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	44.9	38.3	57.5





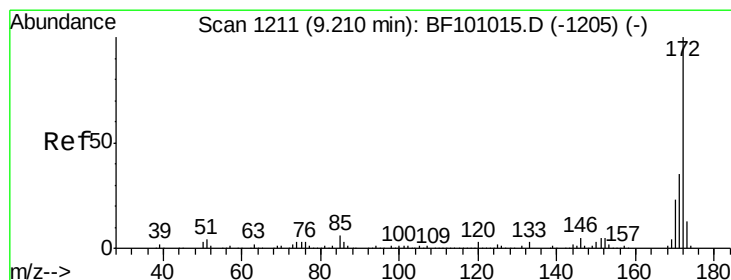
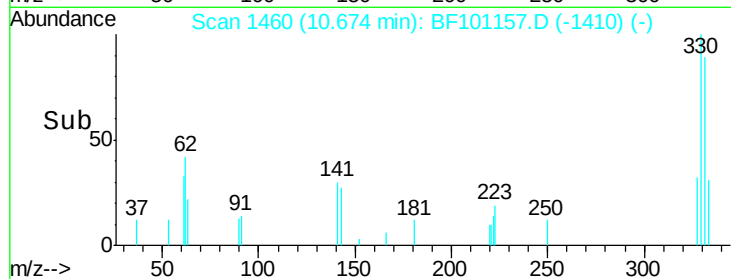
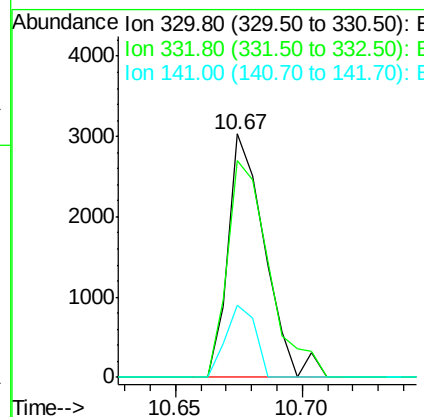
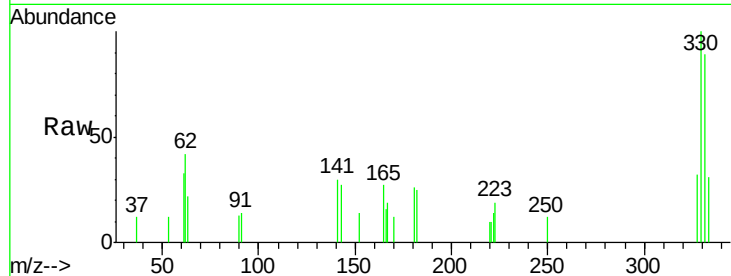
#41
 2,4,6-Tribromophenol
 Concen: 2.784 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.7	77.0	115.6
141	23.6	29.9	44.9

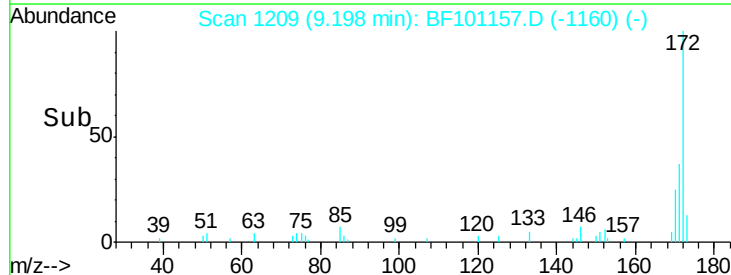
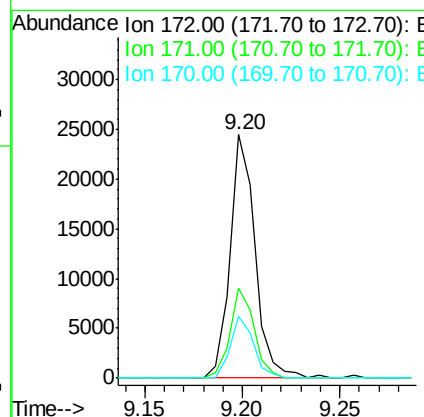
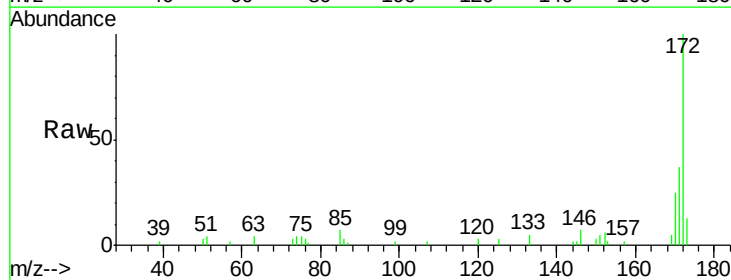
Manual Integrations
 APPROVED

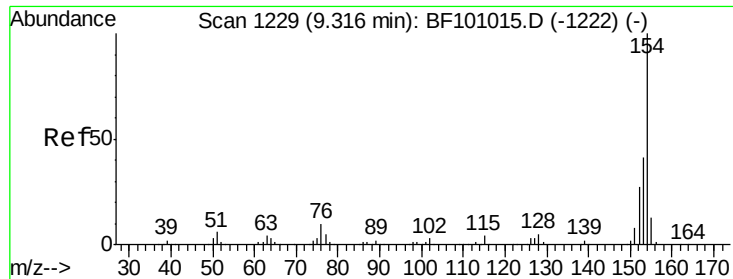
Sohil
 12/6/2017 5:13:44 PM



#44
 2-Fluorobiphenyl
 Concen: 3.242 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	25.5	19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.497 ng

RT: 9.30 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Instrument :

BNA_F

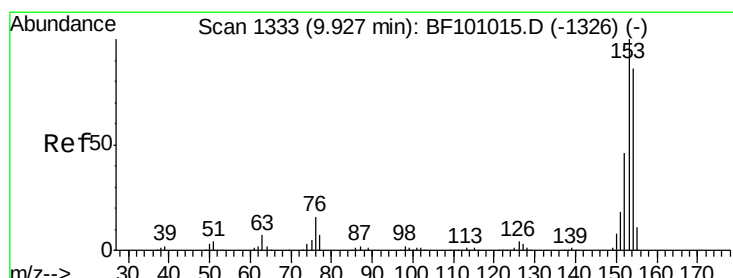
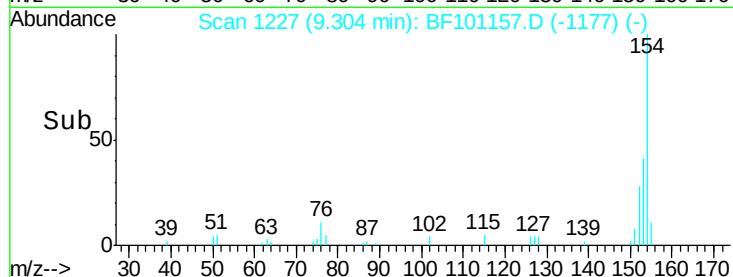
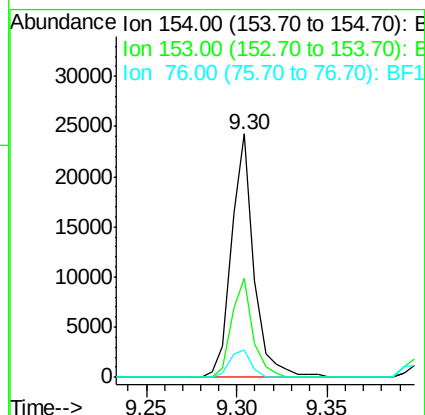
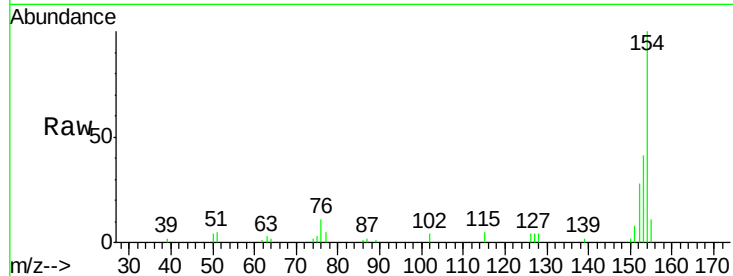
ClientSampleId :

CS-TP-BANK-1DL

Tot Ion:	154	Resp:	20985
Ion Ratio	Lower	Upper	
154	100		
153	40.7	21.3	61.3
76	11.2	0.0	34.0

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:44 PM



#51

Acenaphthene

Concen: 11.234 ng

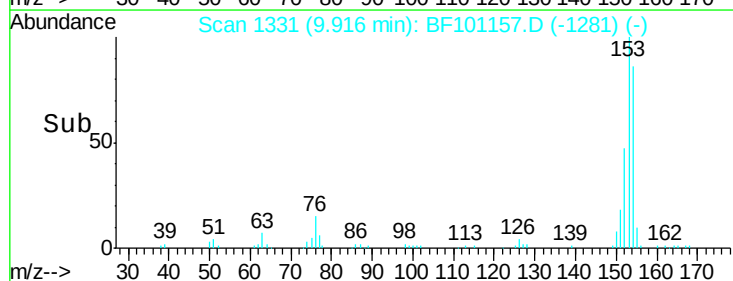
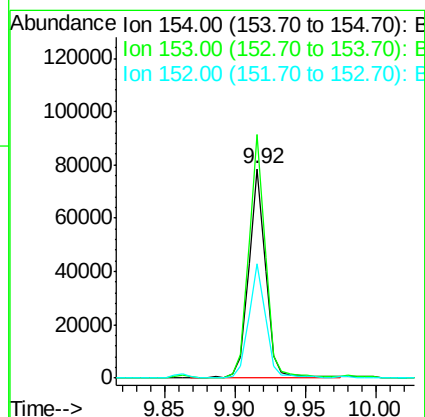
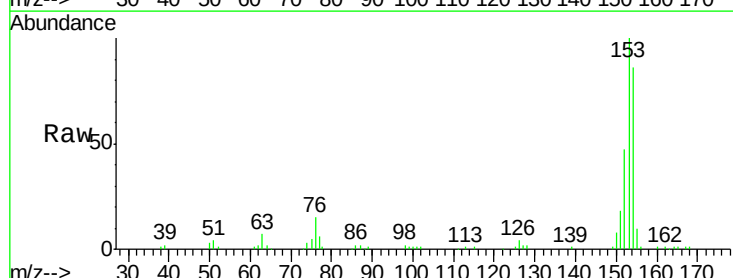
RT: 9.92 min Scan# 1331

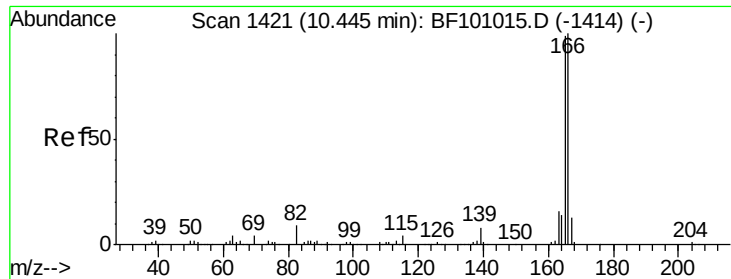
Delta R.T. -0.01 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Tgt Ion:	154	Resp:	65984
Ion Ratio	Lower	Upper	
154	100		
153	116.3	91.2	136.8
152	54.4	43.8	65.8





#57

Fluorene

Concen: 5.275 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Instrument :

BNA_F

ClientSampleId :

CS-TP-BANK-1DL

Tot Ion:166 Resp: 36295

Ion Ratio Lower Upper

166 100

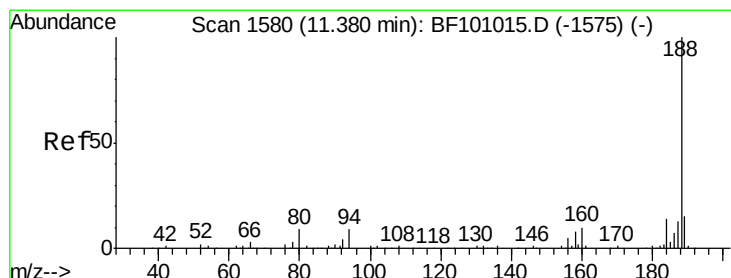
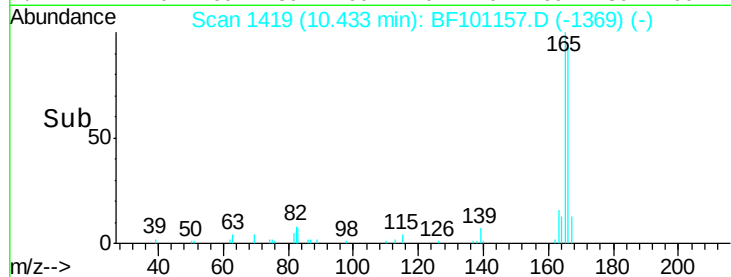
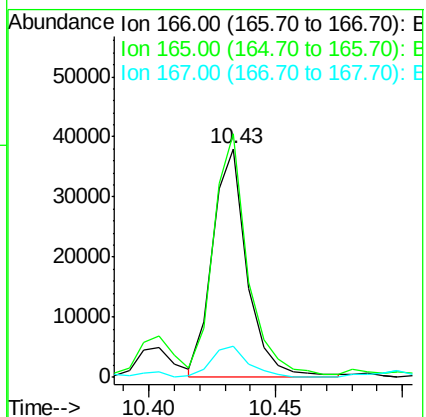
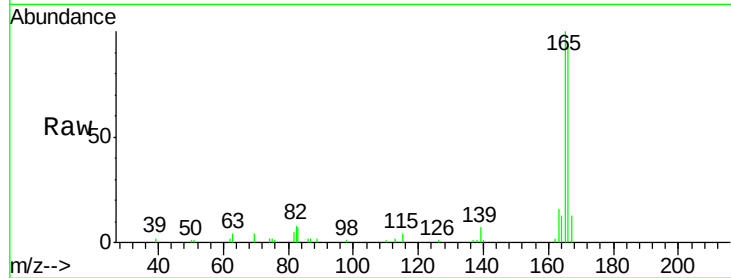
165 106.5 79.8 119.8

167 13.4 10.6 16.0

Manual Integrations
APPROVED

Sohil

12/6/2017 5:13:44 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

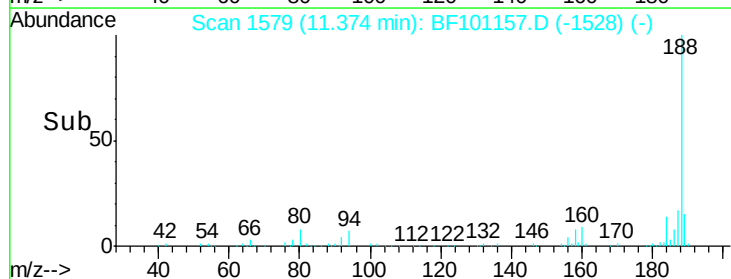
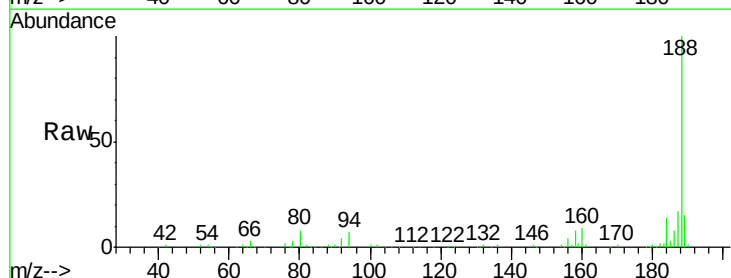
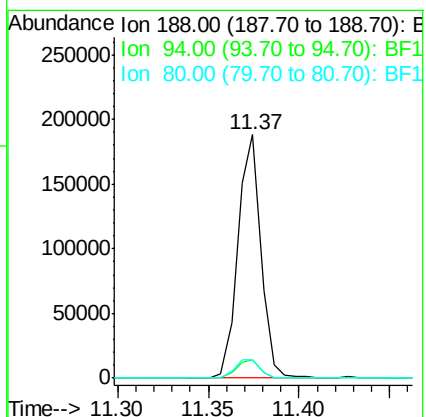
Tgt Ion:188 Resp: 166084

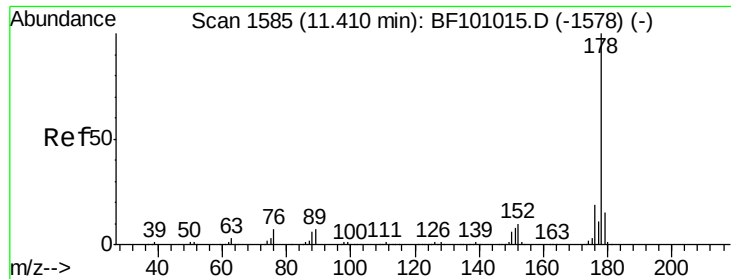
Ion Ratio Lower Upper

188 100

94 7.3 8.5 12.7#

80 7.6 9.2 13.8#





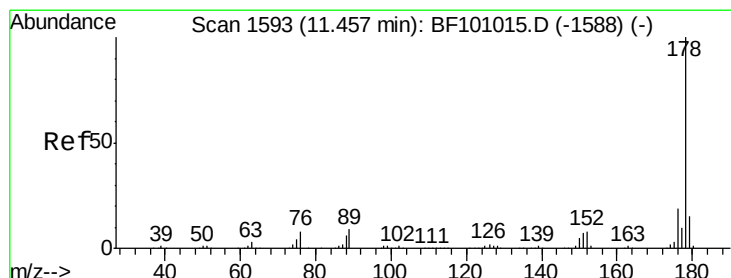
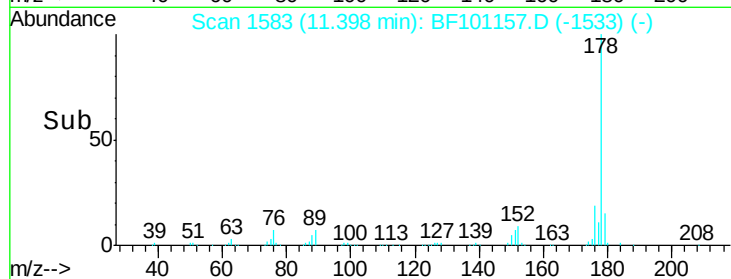
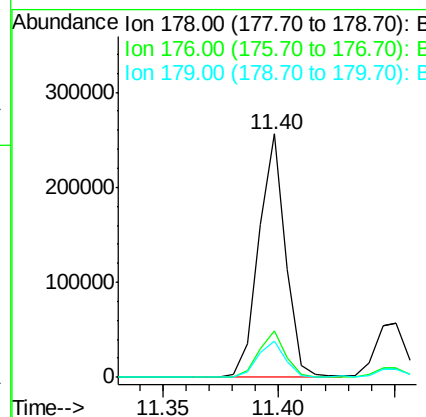
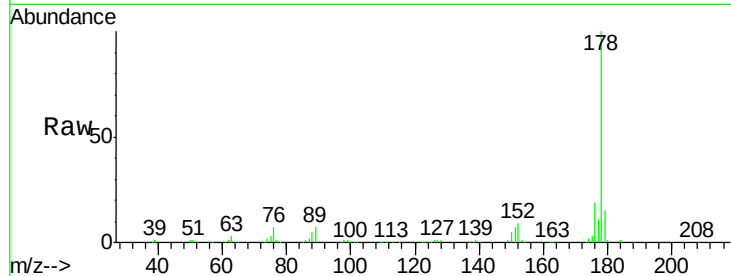
#70
Phenanthrene
Concen: 22.779 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.9	13.0	19.6

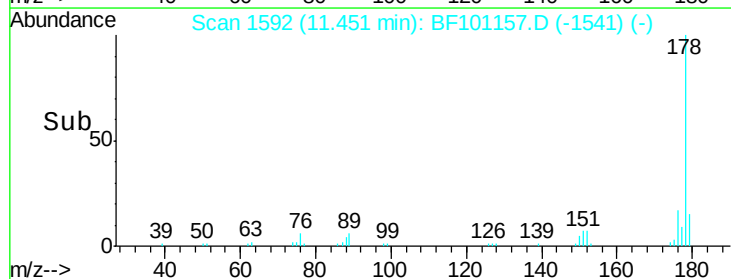
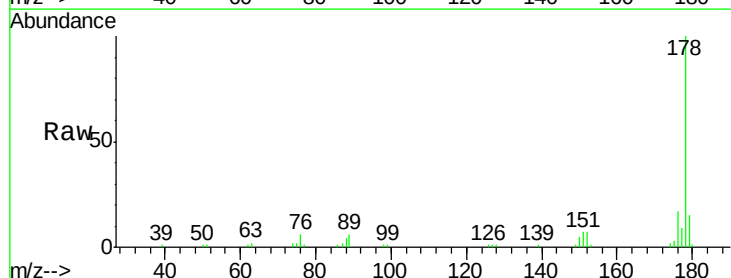
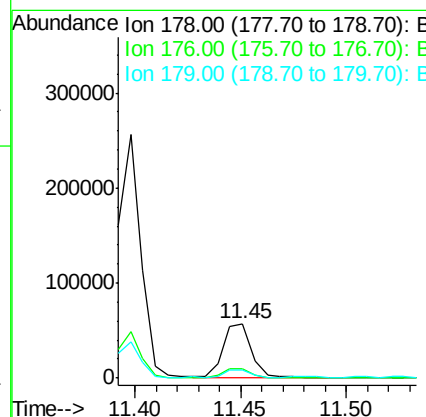
Manual Integrations
APPROVED

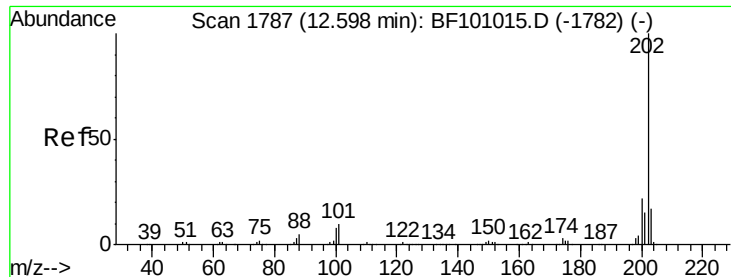
Sohil
12/6/2017 5:13:44 PM



#71
Anthracene
Concen: 5.836 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	14.7	12.6	19.0





#74

Fluoranthene

Concen: 7.814 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Instrument :

BNA_F

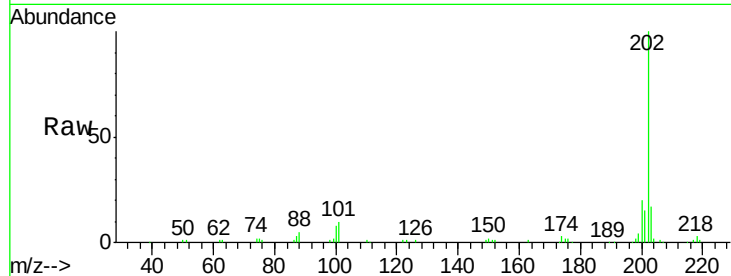
ClientSampleId :

CS-TP-BANK-1DL

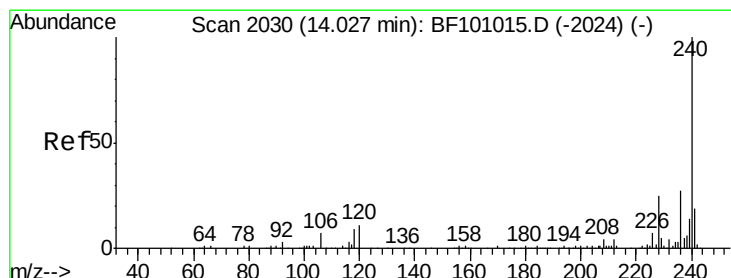
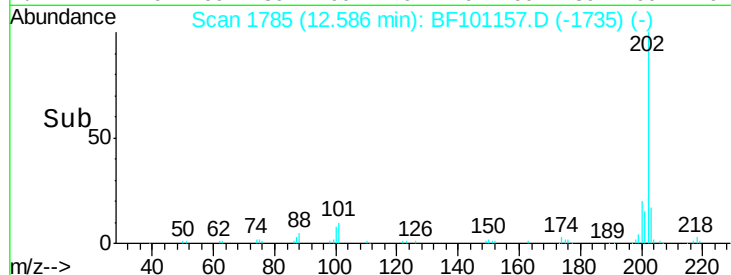
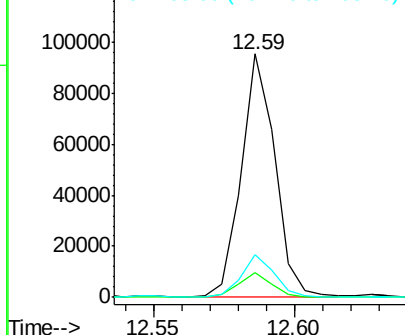
Tot Ion	Ratio	Resp	Lower	Upper
202	100	79218		
101	10.0	0.0	34.1	
203	17.4	0.0	38.1	

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:44 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

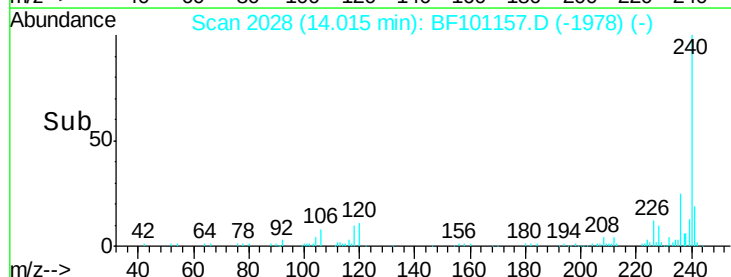
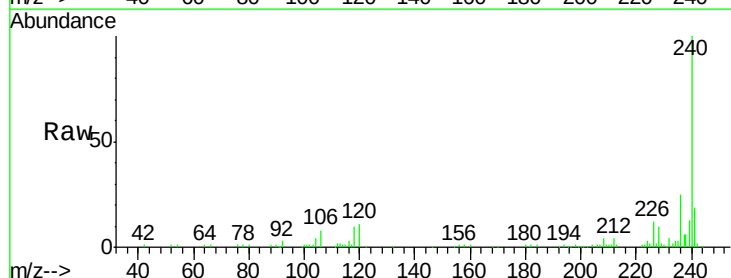
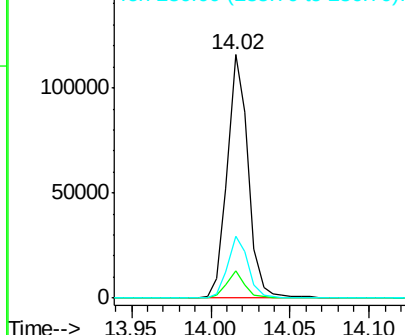
Delta R.T. -0.01 min

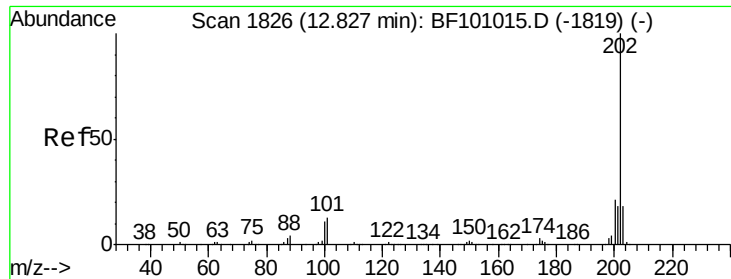
Lab File: BF101157.D

Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	106103		
120	11.2	9.5	14.3	
236	25.2	20.7	31.1	

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





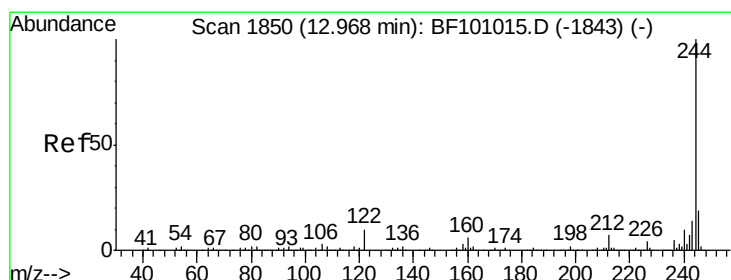
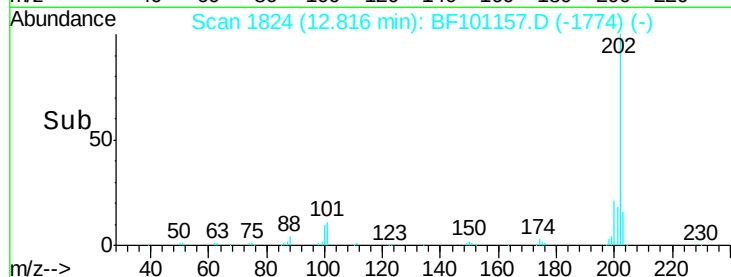
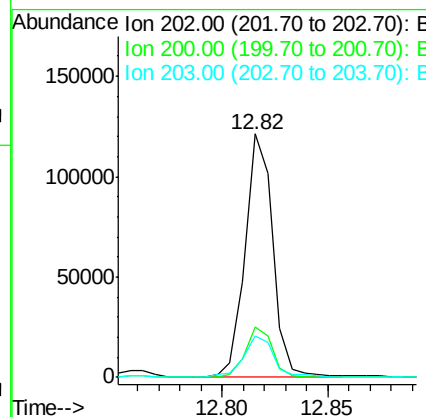
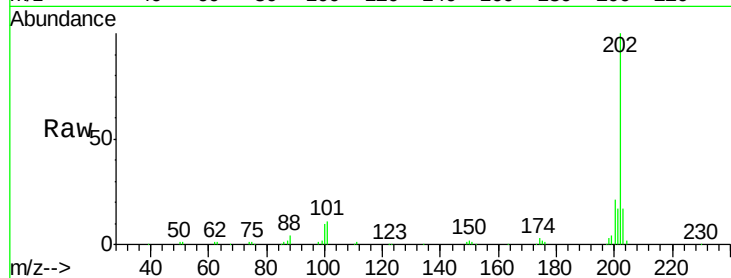
#77
Pvrene
Concen: 15.086 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.2	14.3	21.5

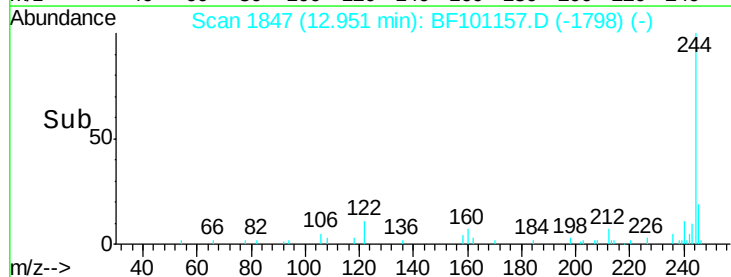
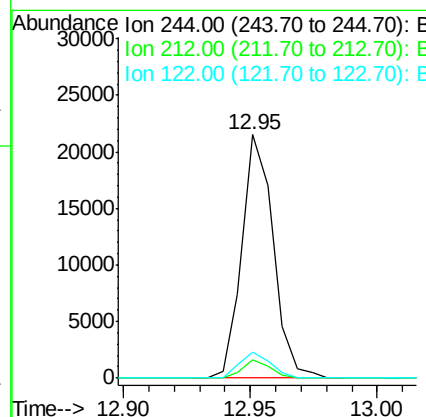
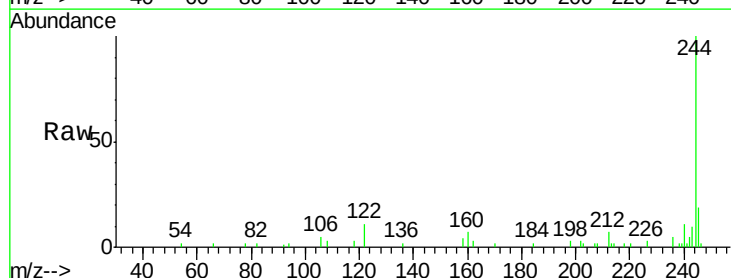
Manual Integrations
APPROVED

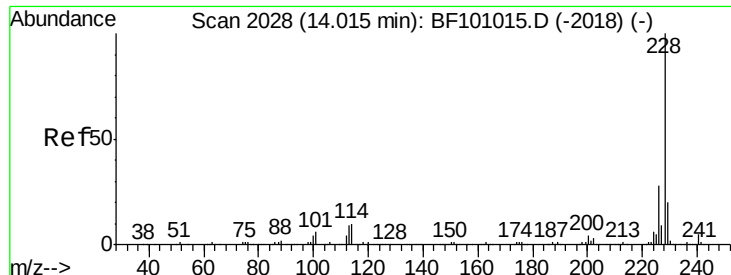
Sohil
12/6/2017 5:13:44 PM



#78
Terphenyl-d14
Concen: 3.810 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.6	11.0	16.4#





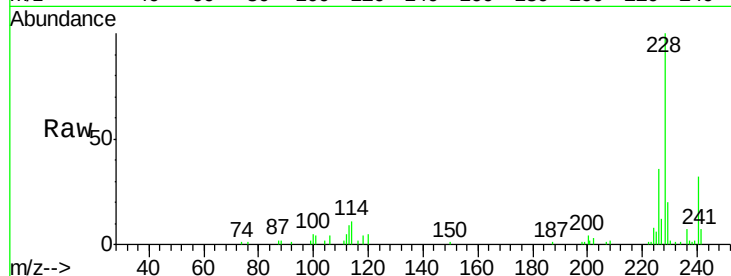
#80
Benzo(a)anthracene
Concen: 4.539 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-1DL

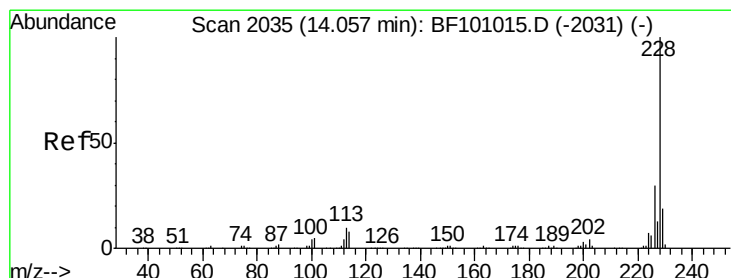
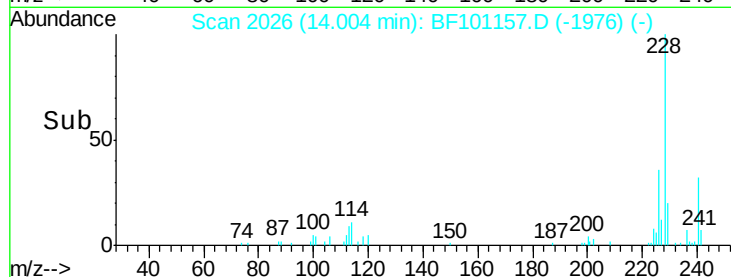
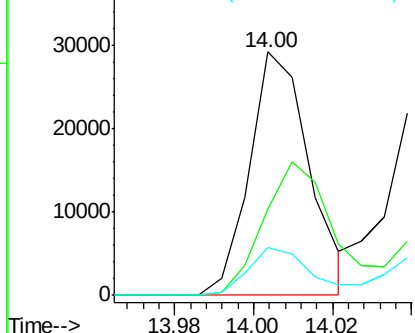
Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	22.6	33.8#
229	19.6	15.8	23.6

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:44 PM



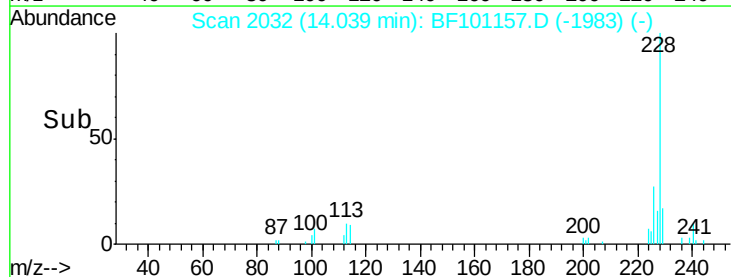
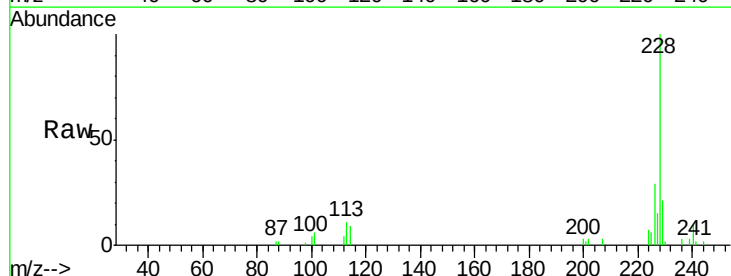
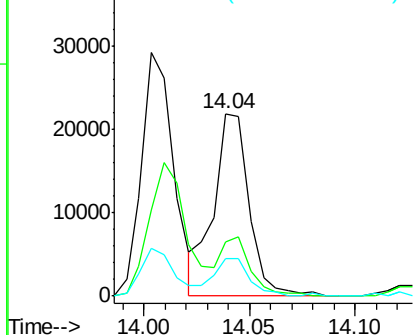
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

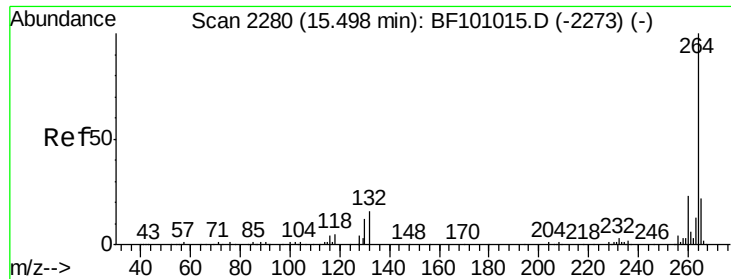


#82
Chrysene
Concen: 4.147 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	20.6	16.2	24.4

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





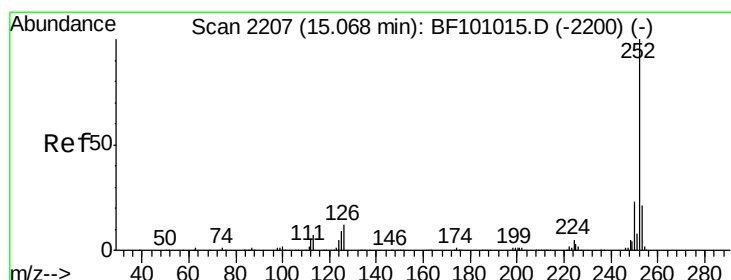
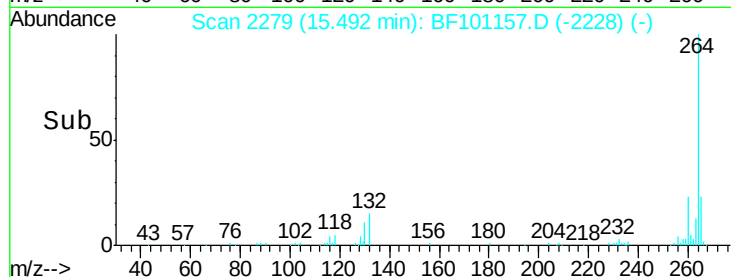
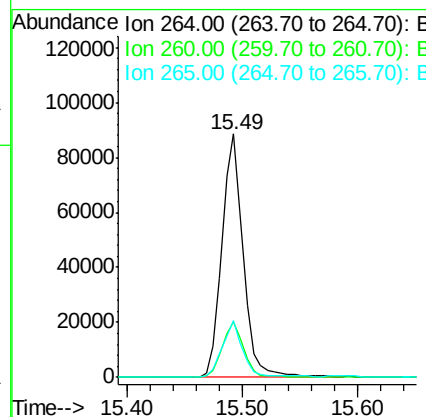
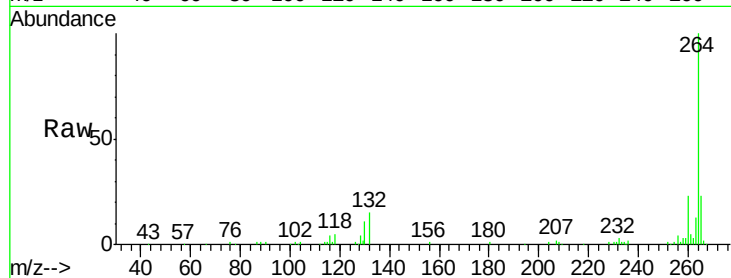
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Instrument :
BNA_F
ClientSampleId :
CS-TP-BANK-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	23.1	17.5	26.3

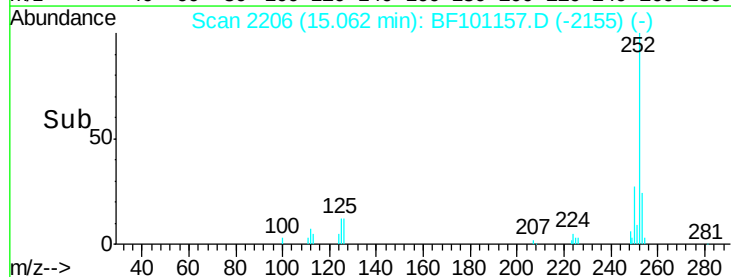
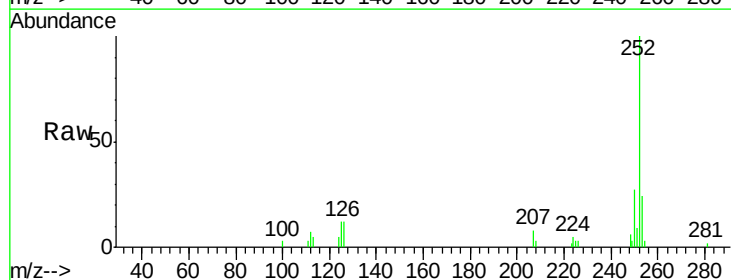
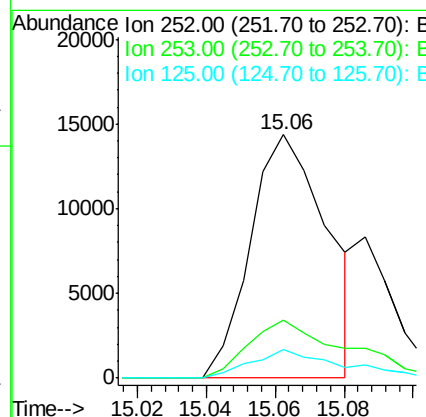
Manual Integrations
APPROVED

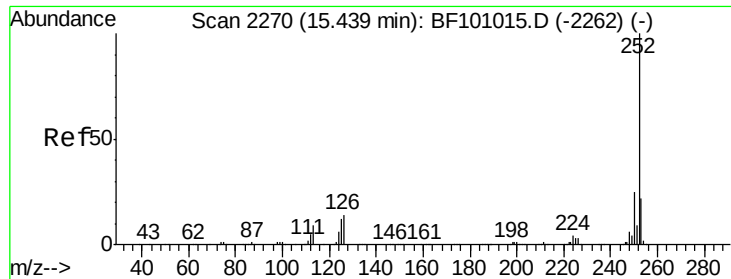
Sohil
12/6/2017 5:13:44 PM



#87
Benzo(b)fluoranthene
Concen: 3.262 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101157.D
Acq: 6 Dec 2017 9:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.9	9.0	13.6





#89
 Benzo(a)pyrene
 Concen: 4.243 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF101157.D
 Acq: 6 Dec 2017 9:23

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP-BANK-1DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.5	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:13:44 PM

