

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100953.D
 Acq On : 29 Nov 2017 00:49
 Operator : SJ/JU
 Sample : I6548-10DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)DL

Manual Integrations
 APPROVED

Sohil
 11/29/2017 4:29:16 PM

Quant Time: Nov 29 07:55:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	63162	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	224134	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	84585	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	140367	20.00	ng	0.00
75) Chrysene-d12	14.03	240	154094	20.00	ng	0.00
86) Perylene-d12	15.50	264	129393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	217645	55.24	ng	0.00
7) Phenol-d6	6.49	99	249409	51.33	ng	0.00
23) Nitrobenzene-d5	7.42	82	146433	43.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	48094	55.80	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	282729	50.90	ng	0.00
78) Terphenyl-d14	12.96	244	228596	34.09	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.76	152	32363	3.680	ng	95
49) Dimethylphthalate	9.60	163	18437	2.855	ng	98
51) Acenaphthene	9.93	154	12662	2.367	ng	95
57) Fluorene	10.44	166	16534	3.010	ng	99
70) Phenanthrene	11.40	178	267520	36.198	ng	97
71) Anthracene	11.46	178	52731	7.033	ng	98
72) Carbazole	11.61	167	22224	3.212	ng	96
74) Fluoranthene	12.60	202	469394	59.929	ng	96
77) Pyrene	12.83	202	406424	37.000	ng	98
80) Benzo(a)anthracene	14.02	228	220501	23.762	ng	94
82) Chrysene	14.05	228	227650m	25.334	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	74049	10.188	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	252428m	32.929	ng	
88) Benzo(k)fluoranthene	15.09	252	75338m	10.401	ng	
89) Benzo(a)pyrene	15.43	252	154396	22.719	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	19613	3.529	ng	# 93
91) Benzo(g,h,i)perylene	17.42	276	68173	12.531	ng	# 92

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

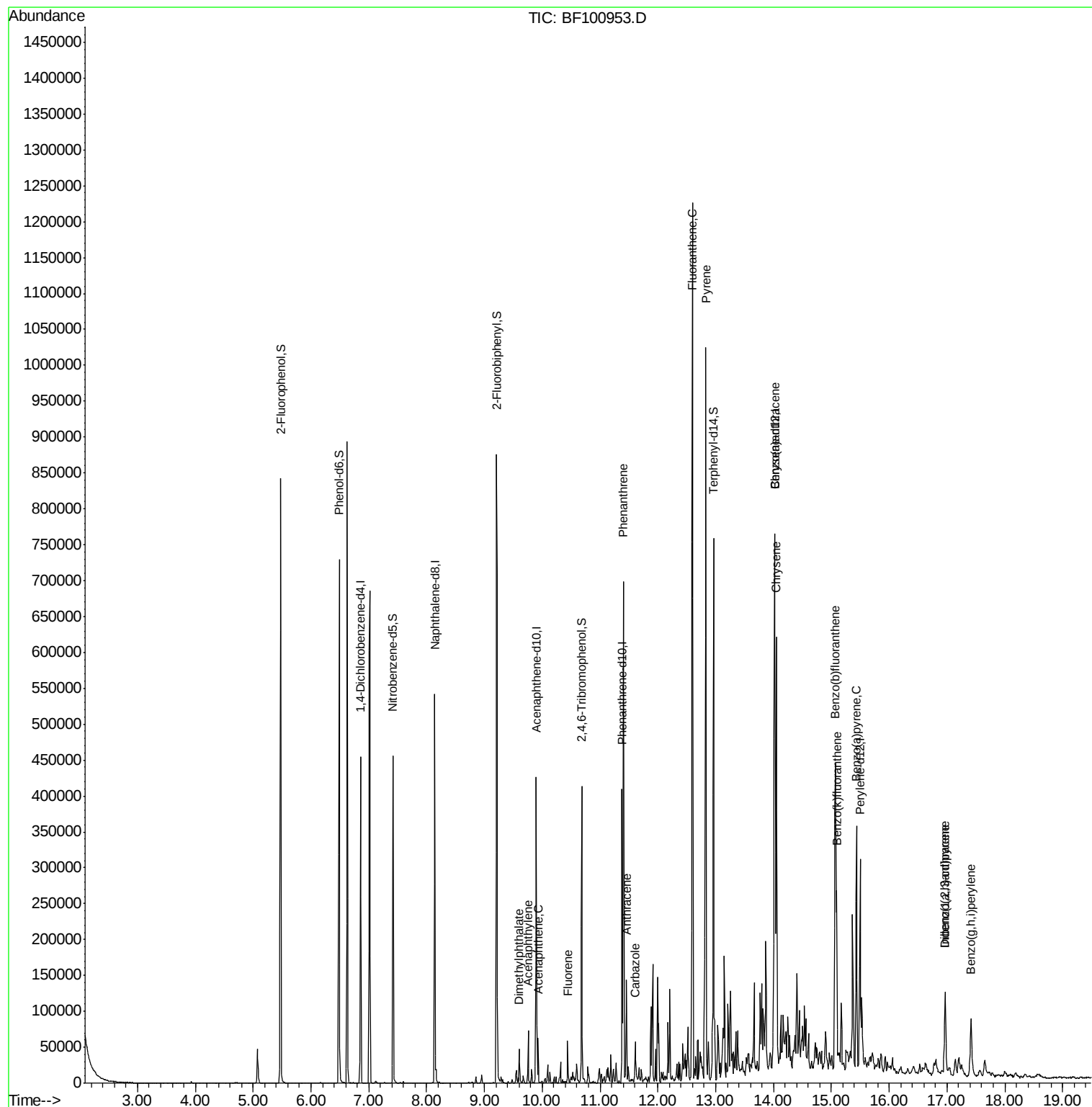
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100953.D
Acq On : 29 Nov 2017 00:49
Operator : SJ/JU
Sample : I6548-10DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

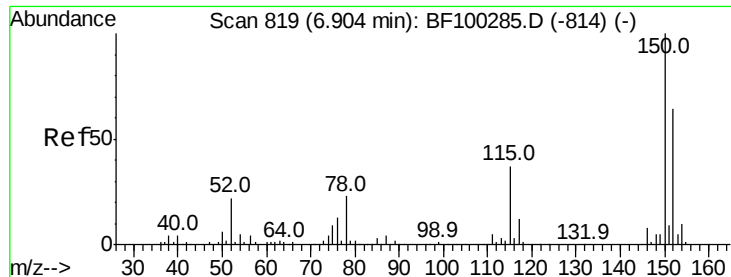
Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM

Quant Time: Nov 29 07:55:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration





#1

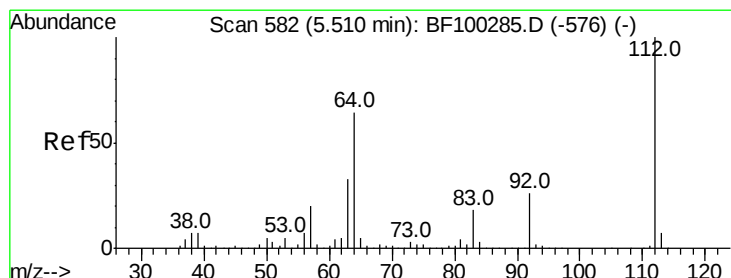
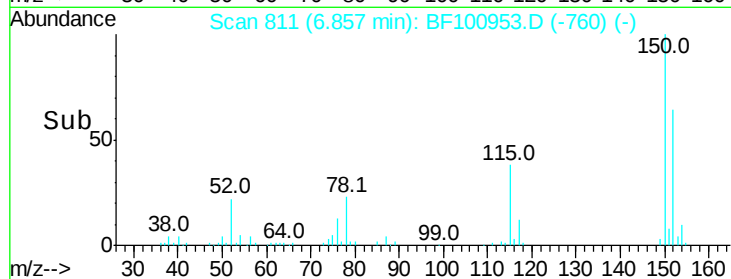
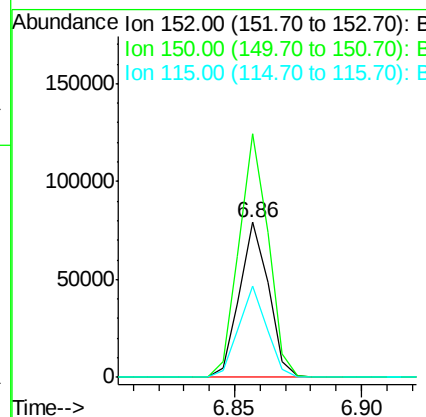
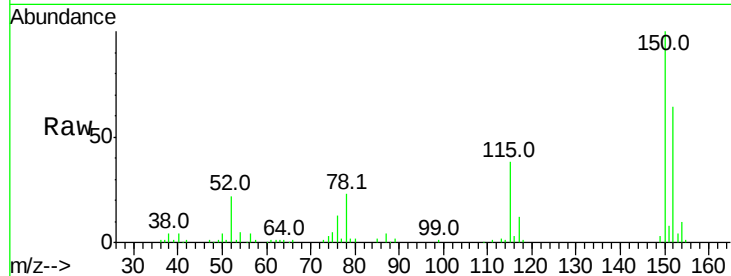
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.2	50.1	75.1

Manual Integrations
APPROVED

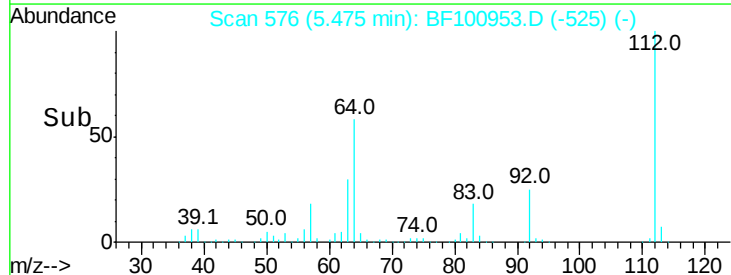
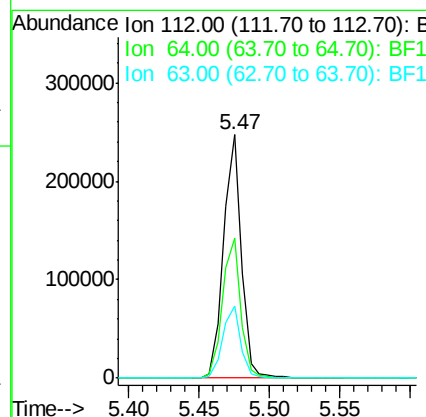
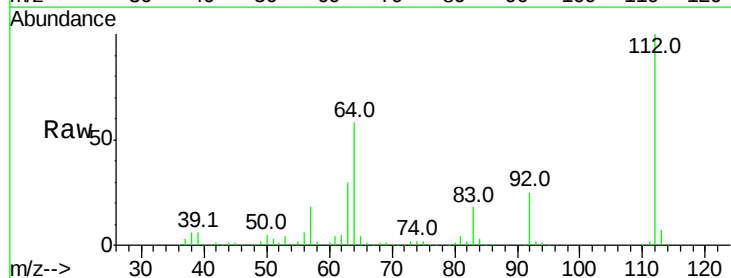
Sohil
11/29/2017 4:29:16 PM



#5

2-Fluorophenol
Concen: 55.236 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 51.331 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Instrument :

BNA_F

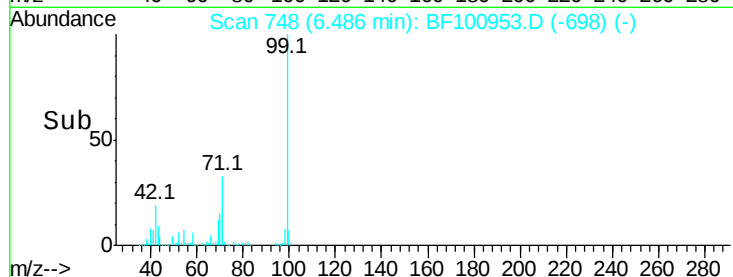
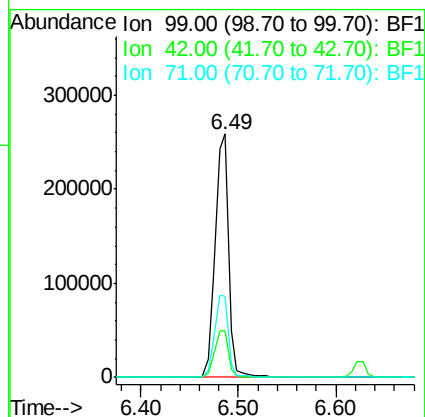
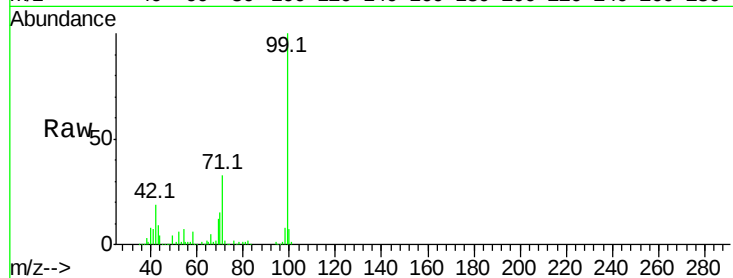
ClientSampleId :

SAU-4-E(7-8)DL

Tot Ion:	99	Resp:	249409
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.5	21.7
71	33.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM



#21

Naphthalene-d8

Concen: 20.000 ng

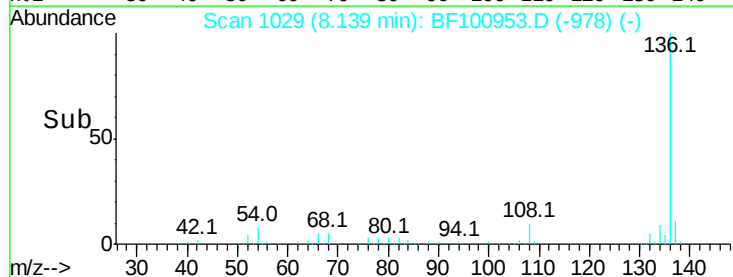
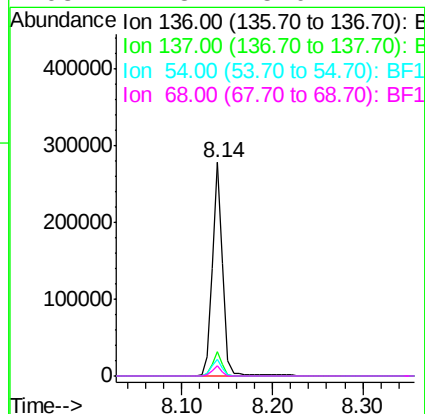
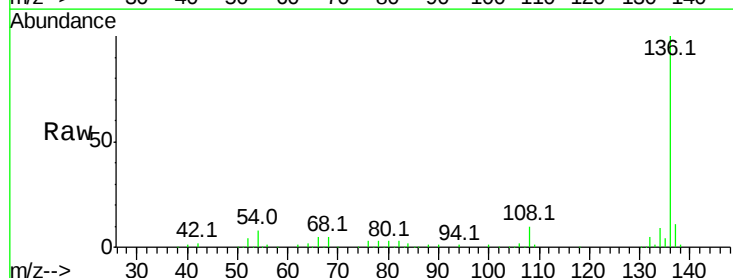
RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Tgt Ion:	136	Resp:	224134
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.1	6.6	9.8
68	4.8	5.0	7.4#





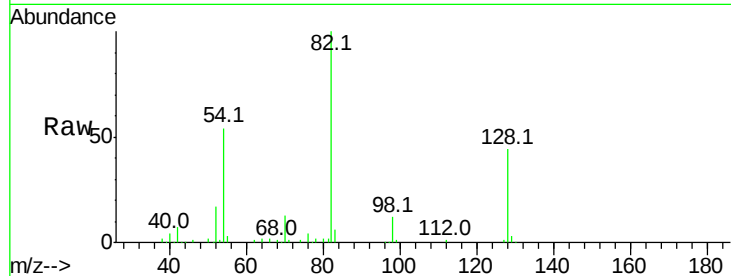
#23
Nitrobenzene-d5
Concen: 43.194 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

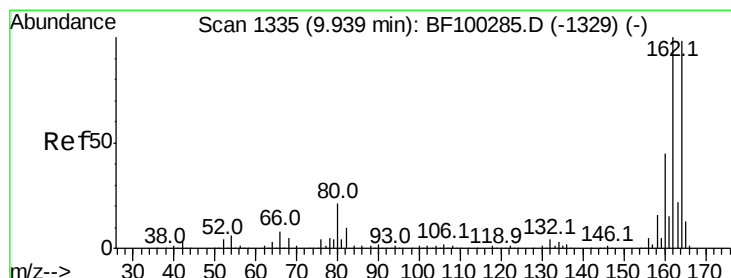
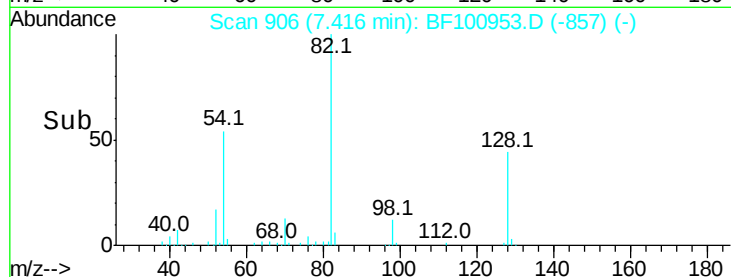
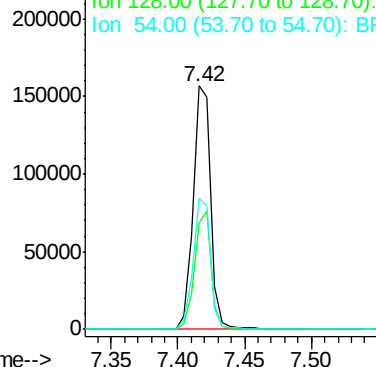
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	53.7	41.4	62.2

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM



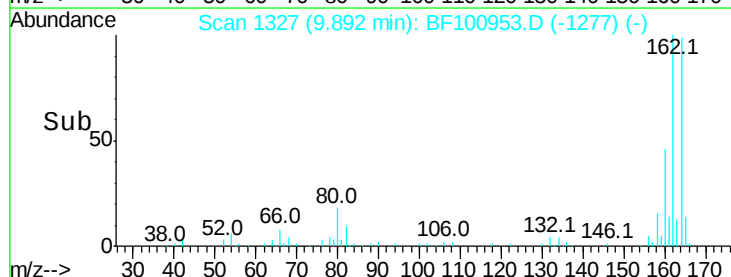
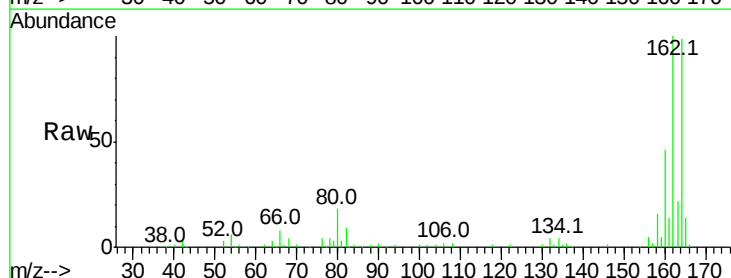
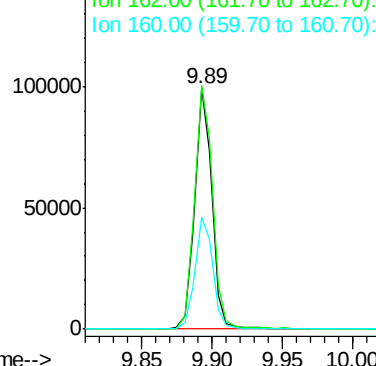
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	46.6	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





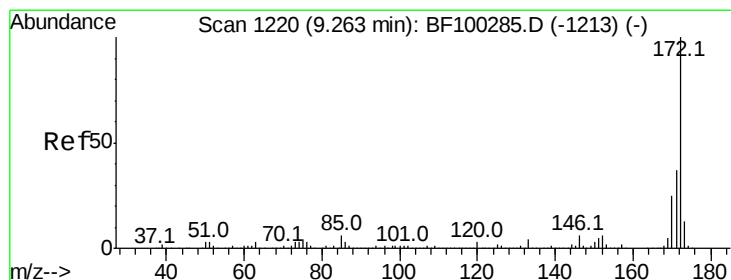
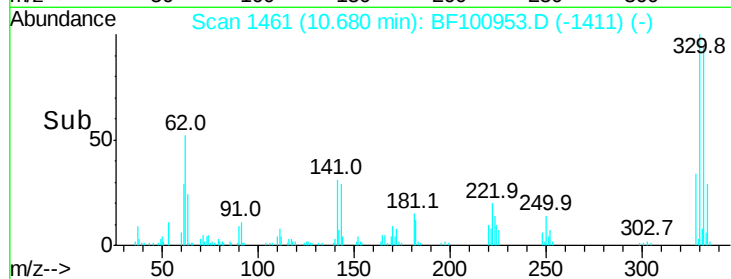
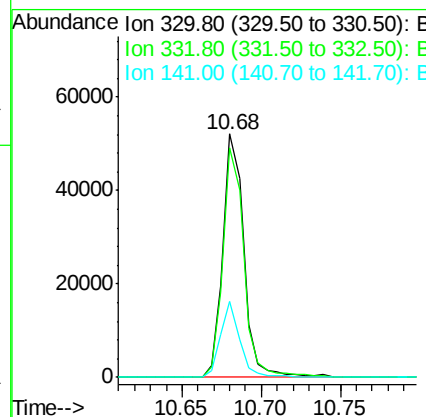
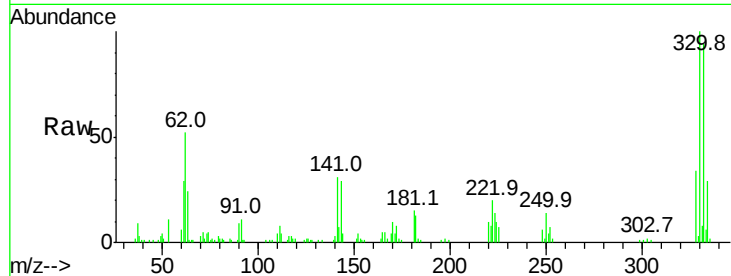
#41
 2,4,6-Tribromophenol
 Concen: 55.799 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100953.D
 Acq: 29 Nov 2017 00:49

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	28.7	29.9	44.9#

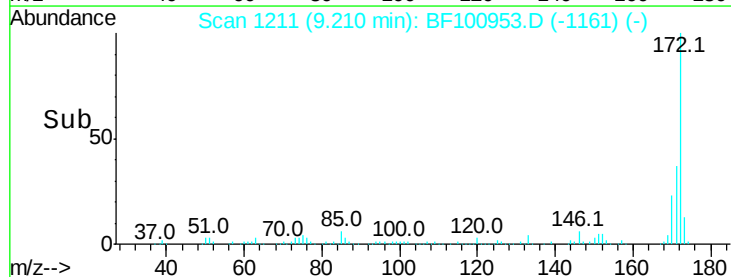
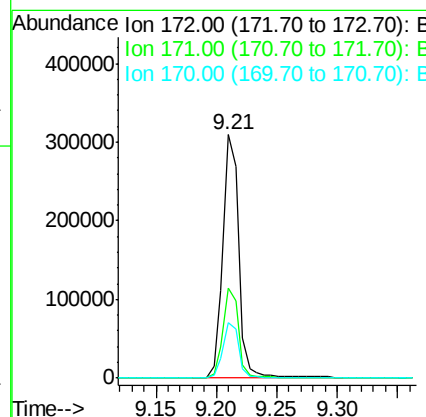
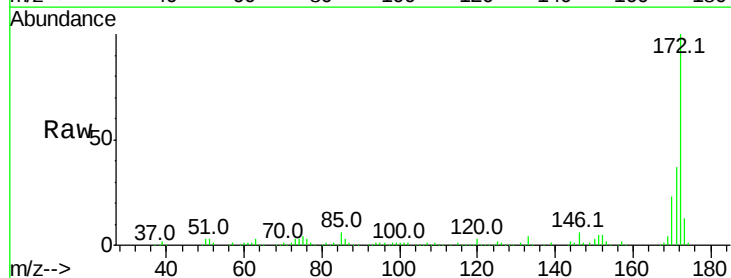
Manual Integrations
 APPROVED

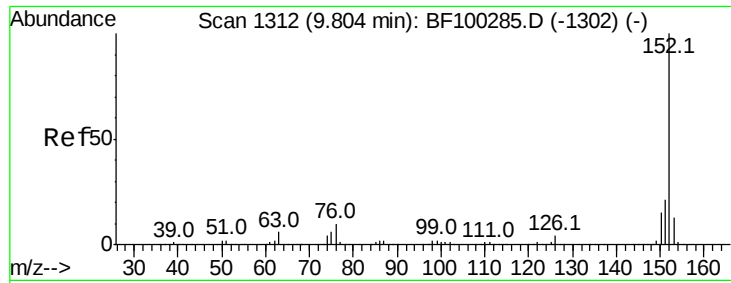
Sohil
 11/29/2017 4:29:16 PM



#44
 2-Fluorobiphenyl
 Concen: 50.897 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100953.D
 Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	23.0	19.6	29.4





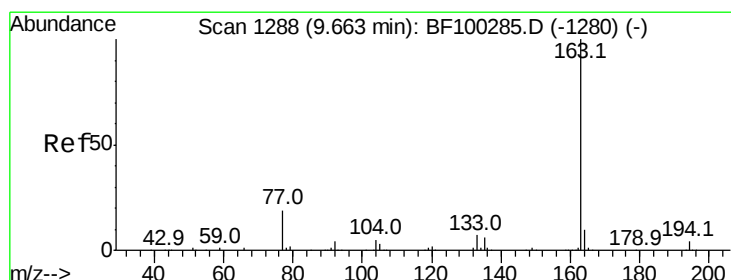
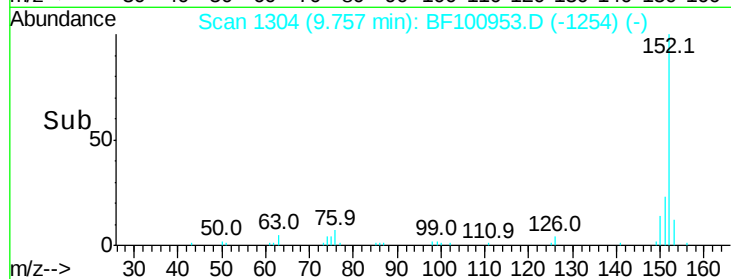
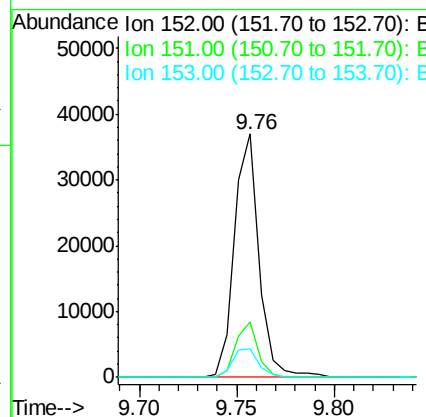
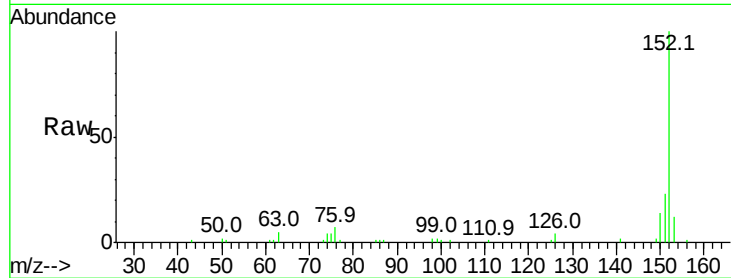
#48
Acenaphthylene
Concen: 3.680 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.3	24.5
153	11.6	10.7	16.1

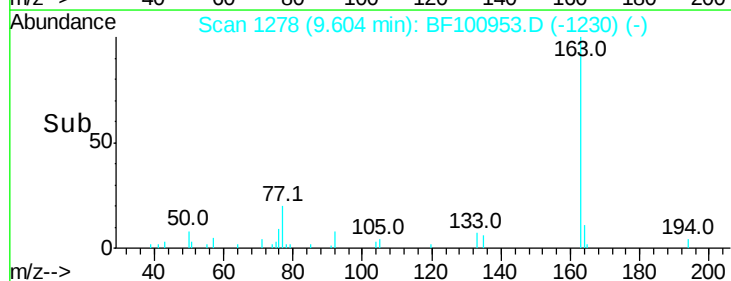
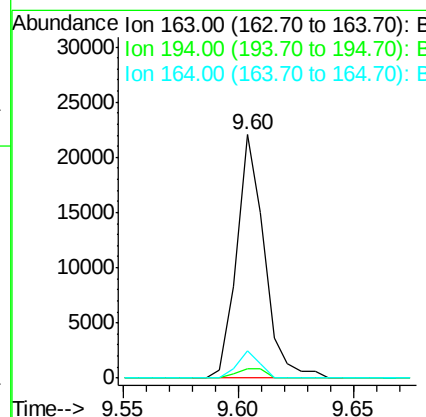
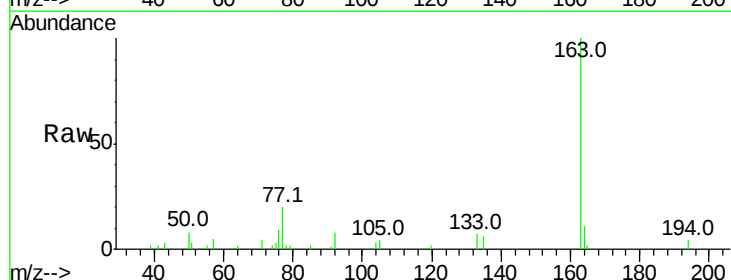
Manual Integrations
APPROVED

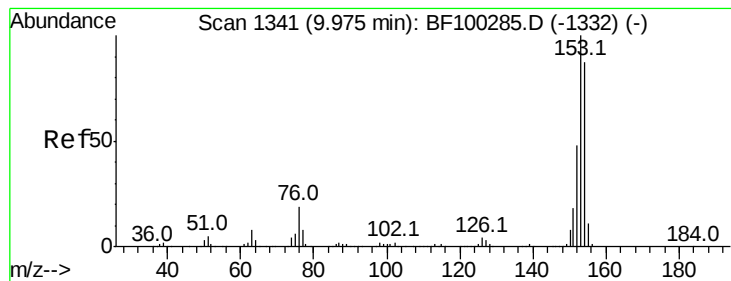
Sohil
11/29/2017 4:29:16 PM



#49
Dimethylphthalate
Concen: 2.855 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	11.1	8.2	12.2





#51

Acenaphthene

Concen: 2.367 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Instrument :

BNA_F

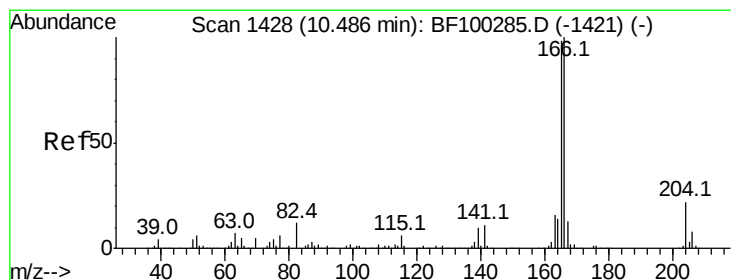
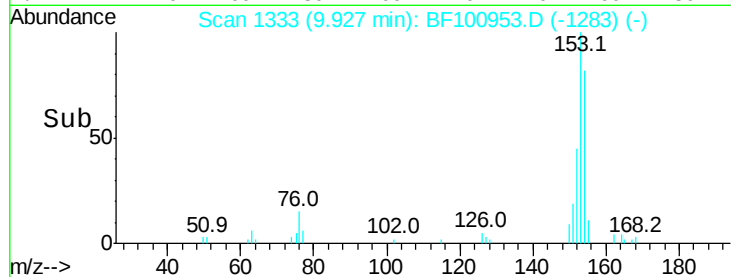
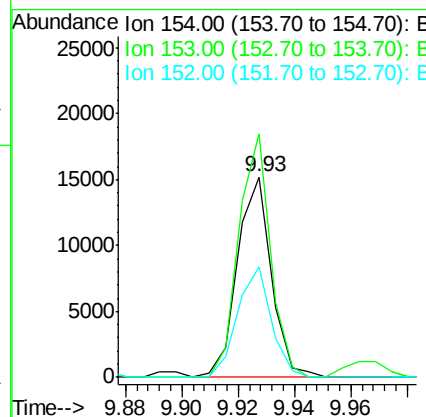
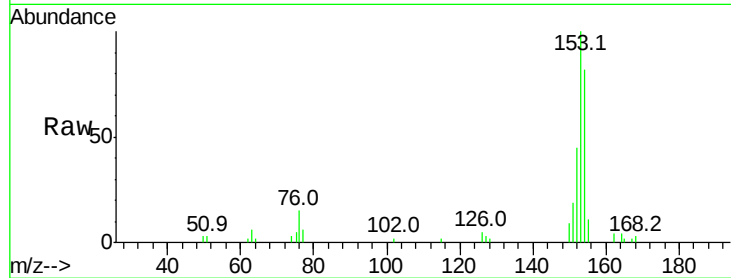
ClientSampleID :

SAU-4-E(7-8)DL

Tot Ion:	154	Resp:	12662
Ion Ratio	Lower	Upper	
154	100		
153	121.5	91.2	136.8
152	54.8	43.8	65.8

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM



#57

Fluorene

Concen: 3.010 ng

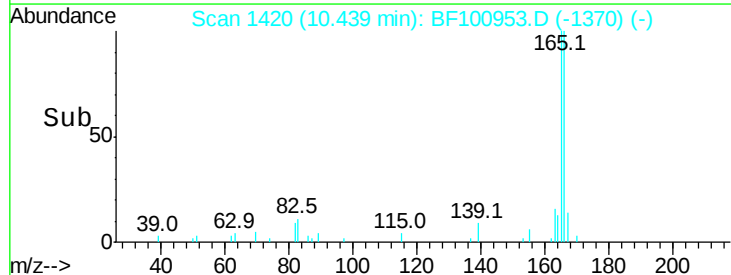
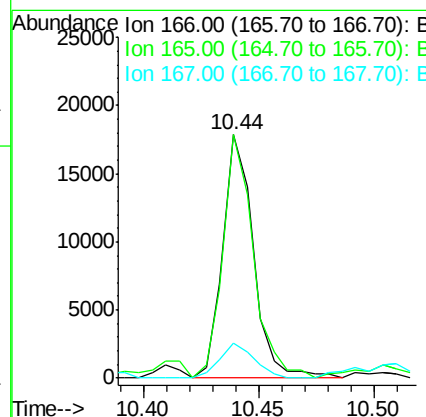
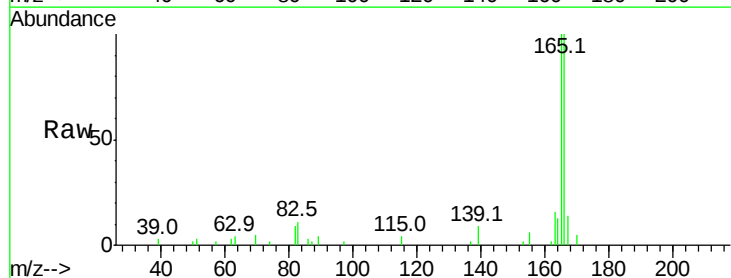
RT: 10.44 min Scan# 1420

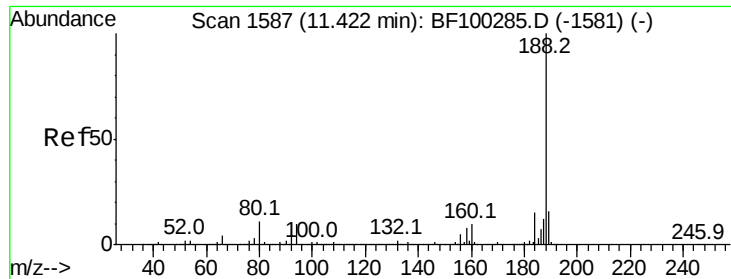
Delta R.T. -0.01 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Tgt Ion:	166	Resp:	16534
Ion Ratio	Lower	Upper	
166	100		
165	100.0	79.8	119.8
167	14.4	10.6	16.0





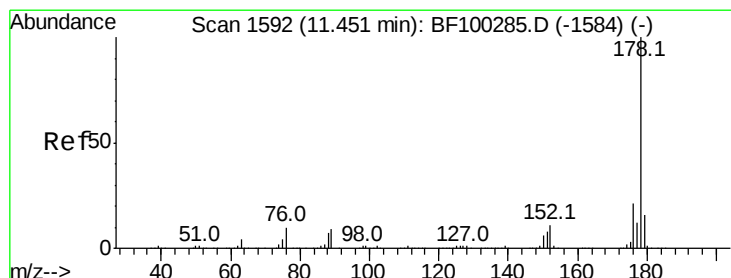
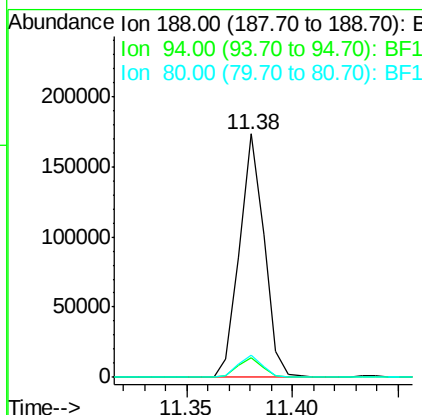
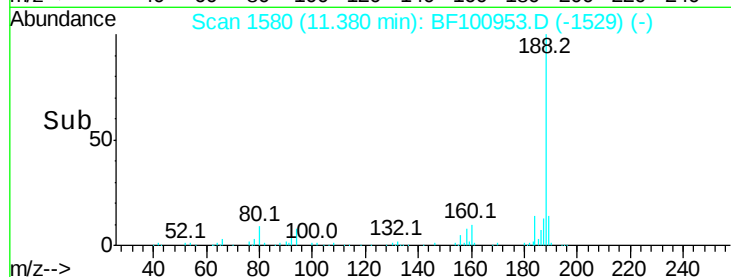
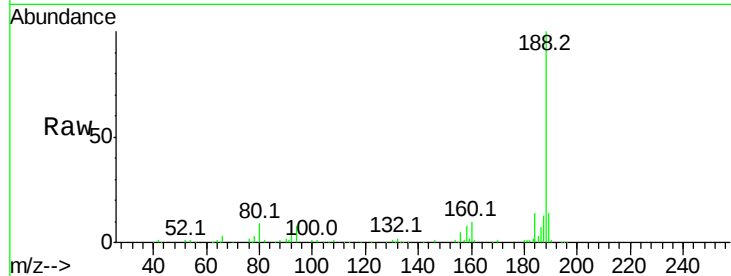
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.9	9.2	13.8#

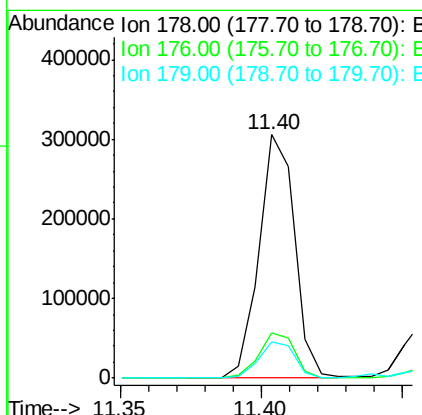
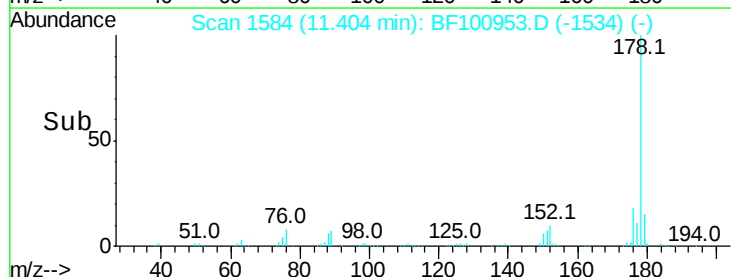
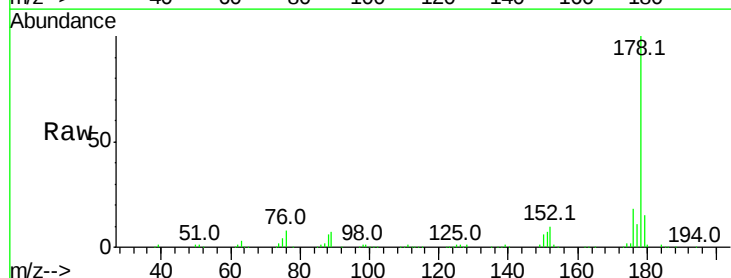
Manual Integrations
APPROVED

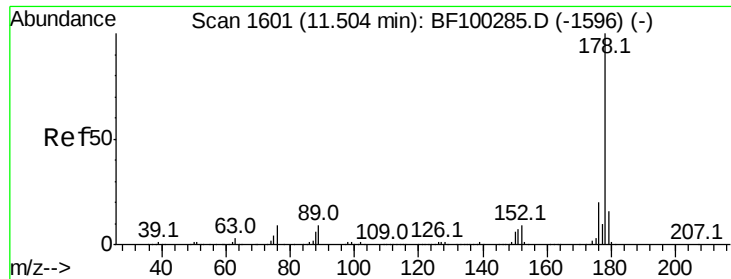
Sohil
11/29/2017 4:29:16 PM



#70
Phenanthrene
Concen: 36.198 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.1	13.0	19.6





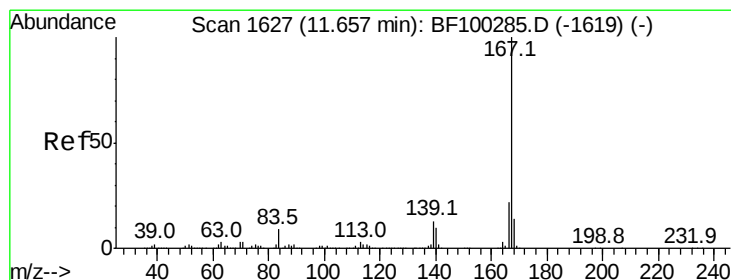
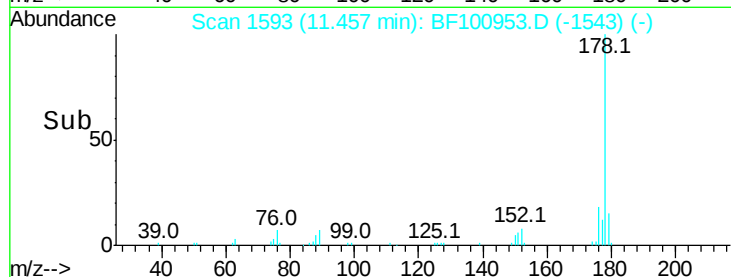
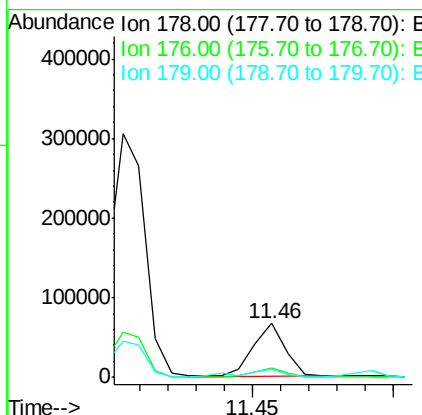
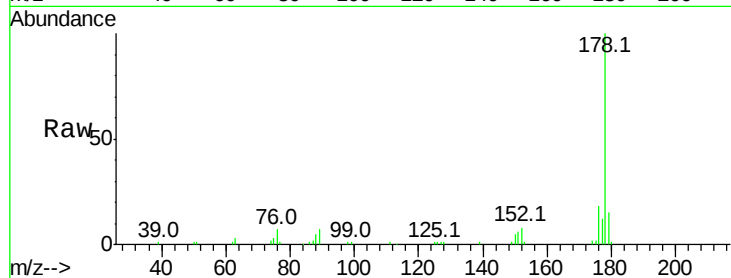
#71
 Anthracene
 Concen: 7.033 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100953.D
 Acq: 29 Nov 2017 00:49

Instrument :
 BNA_F
 ClientSampled :
 SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.3	12.6	19.0

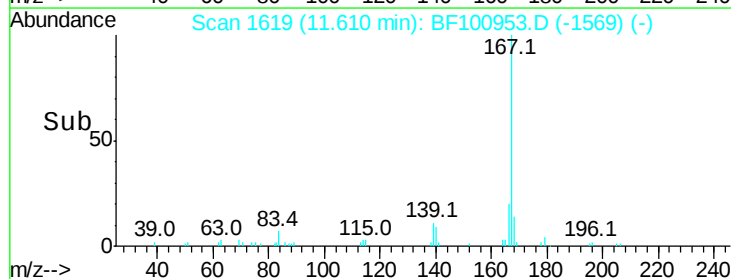
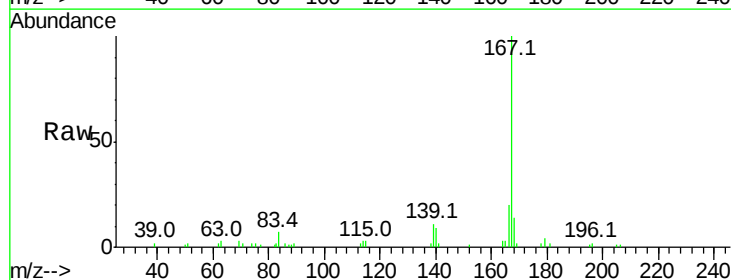
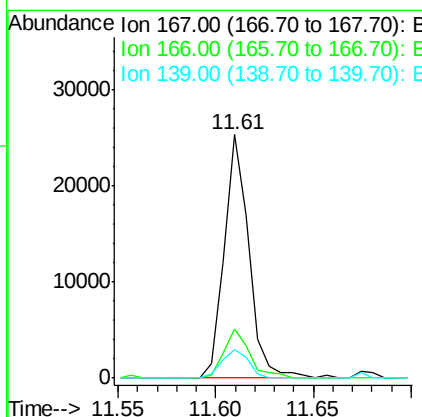
Manual Integrations
 APPROVED

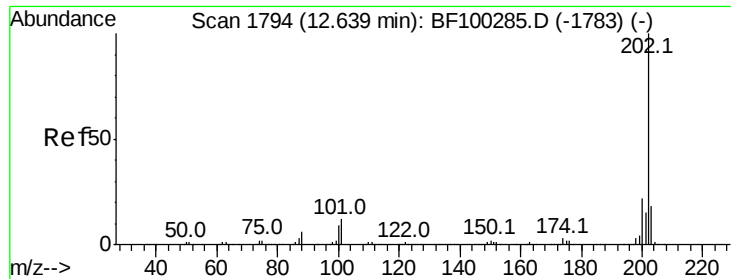
Sohil
 11/29/2017 4:29:16 PM



#72
 Carbazole
 Concen: 3.212 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100953.D
 Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.6	26.4
139	11.5	10.9	16.3





#74

Fluoranthene

Concen: 59.929 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Instrument :

BNA_F

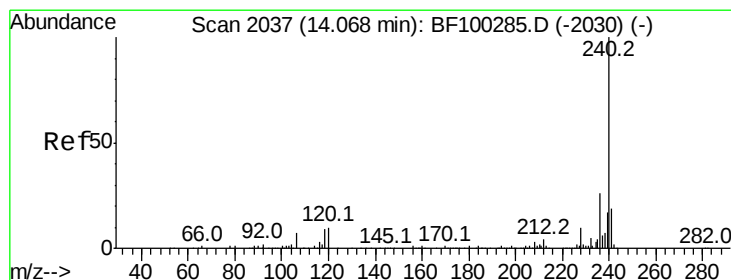
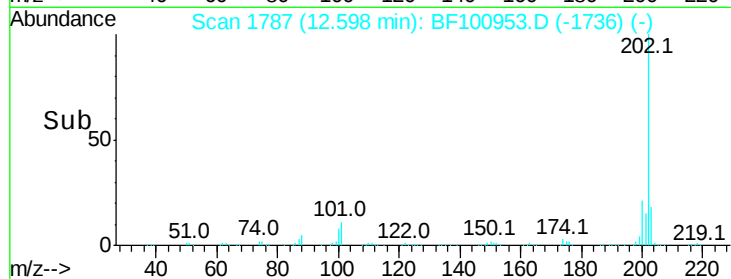
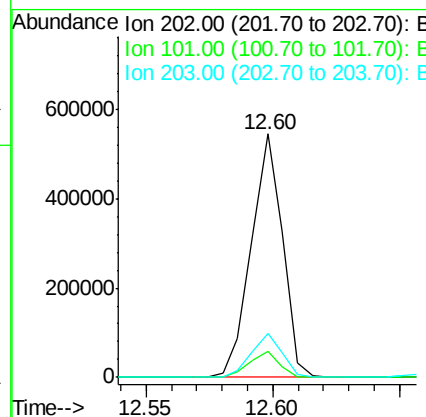
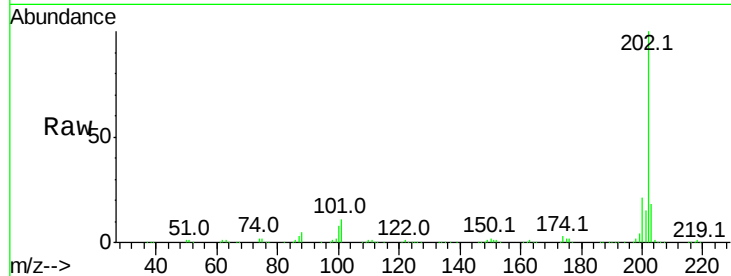
ClientSampleId :

SAU-4-E(7-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	469394		
101	10.9	0.0	34.1	
203	17.9	0.0	38.1	

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM



#75

Chrysene-d12

Concen: 20.000 ng

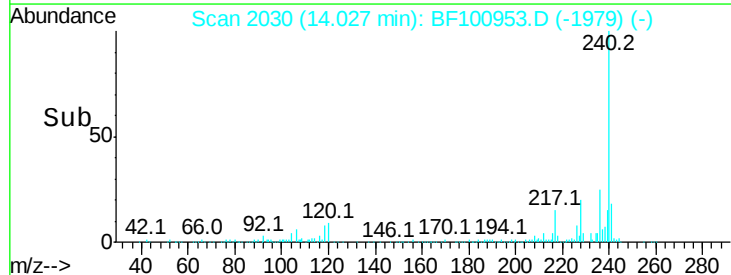
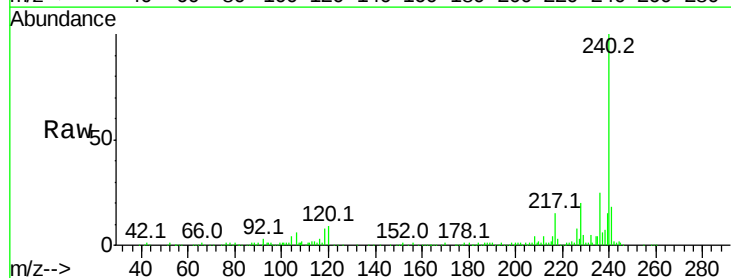
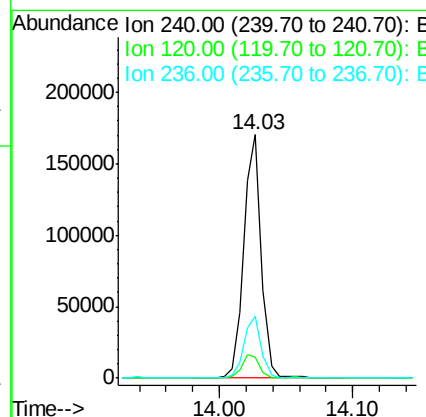
RT: 14.03 min Scan# 2030

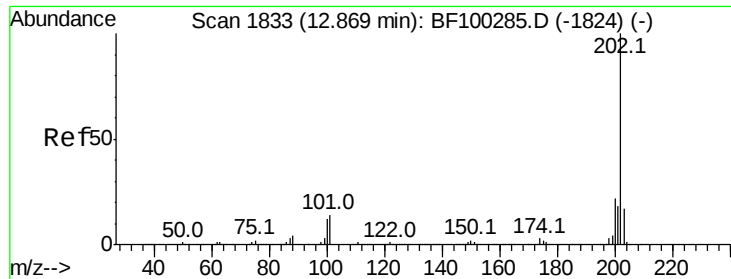
Delta R.T. -0.00 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	154094		
120	8.8	9.5	14.3#	
236	25.5	20.7	31.1	





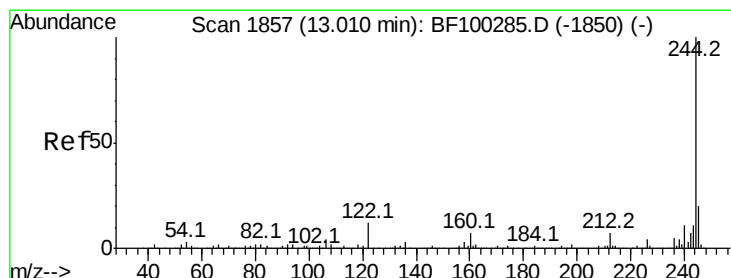
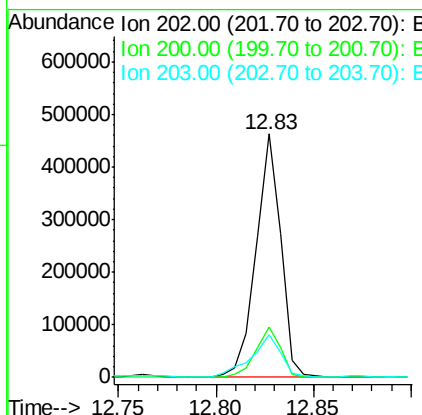
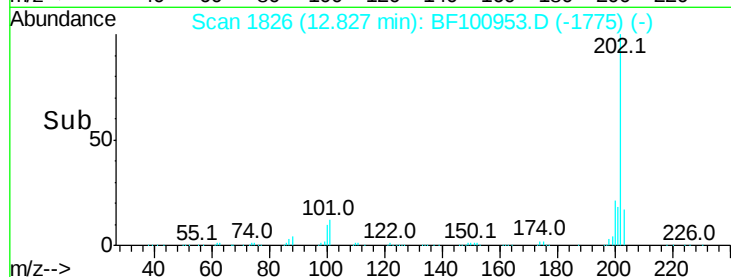
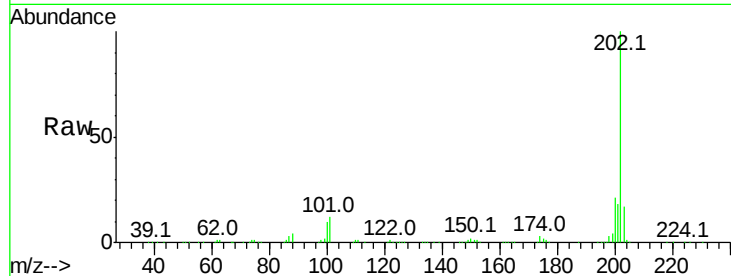
#77
Pvrene
Concen: 37.000 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.3	14.3	21.5

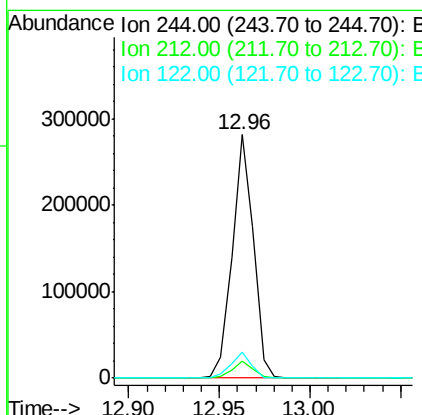
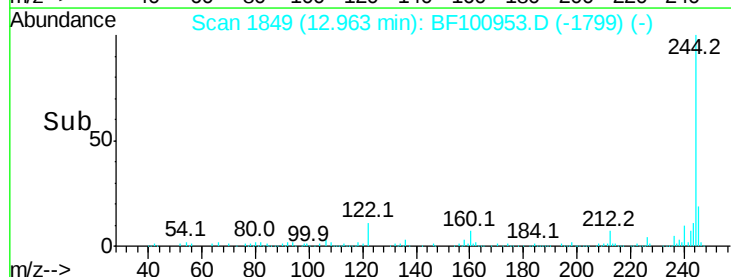
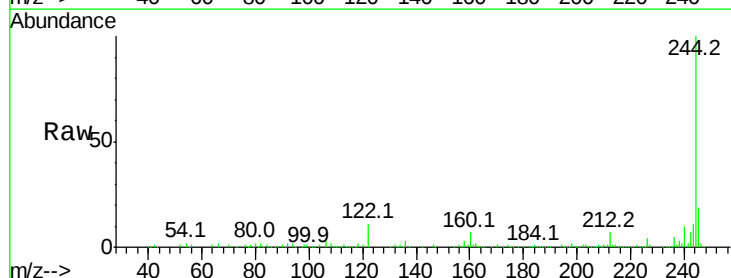
Manual Integrations
APPROVED

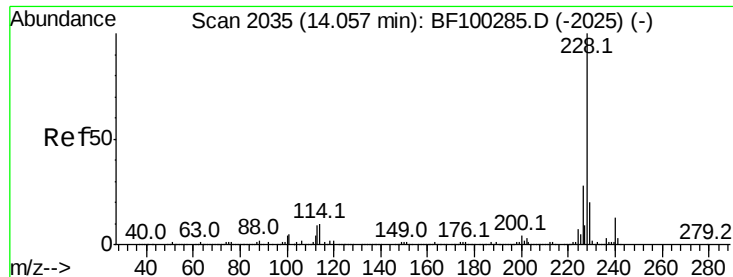
Sohil
11/29/2017 4:29:16 PM



#78
Terphenyl-d14
Concen: 34.086 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.5	11.0	16.4#





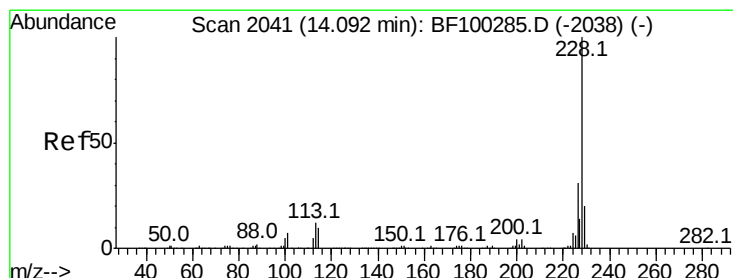
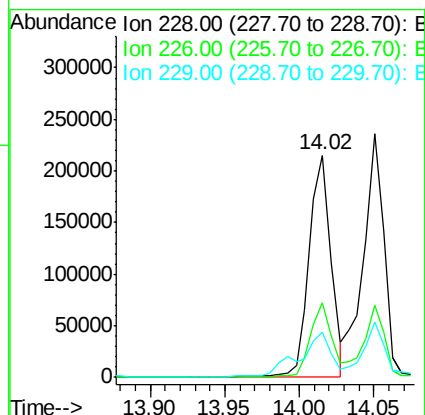
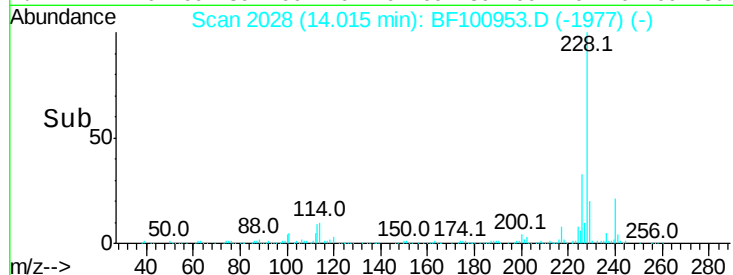
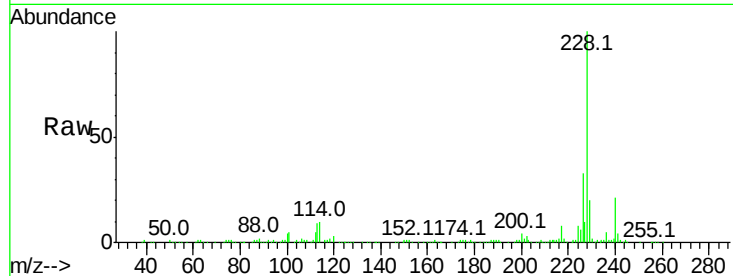
#80
Benzo(a)anthracene
Concen: 23.762 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	20.3	15.8	23.6

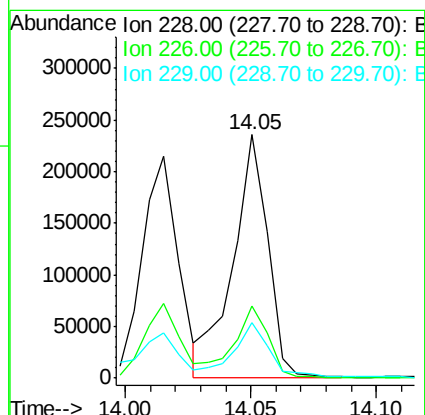
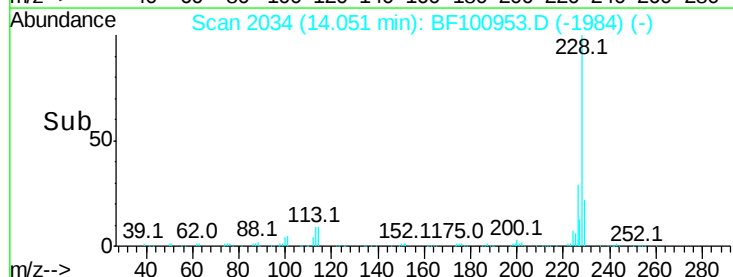
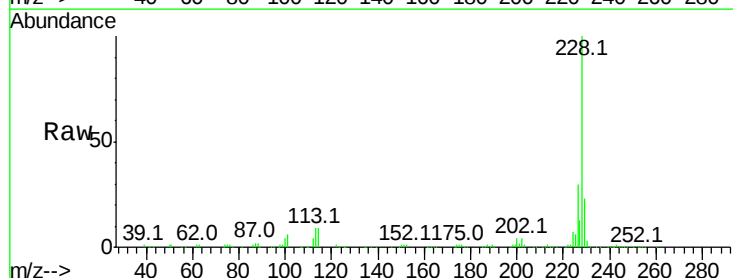
Manual Integrations
APPROVED

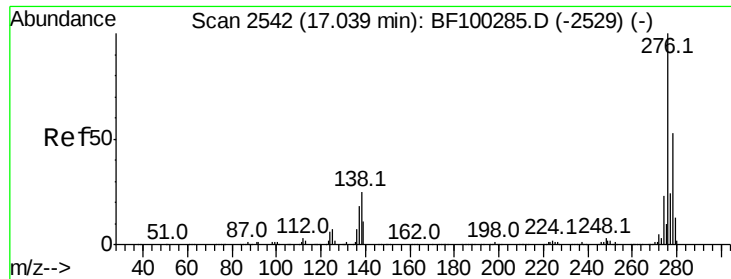
Sohil
11/29/2017 4:29:16 PM



#82
Chrysene
Concen: 25.334 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.6	16.2	24.4





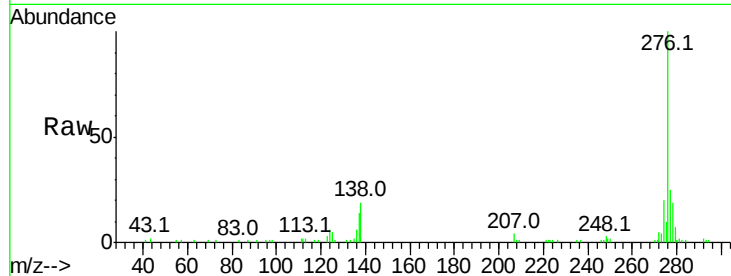
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.188 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

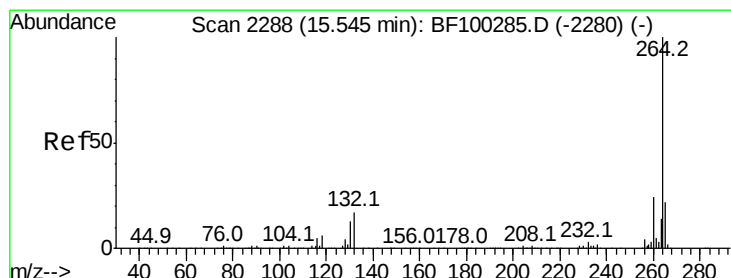
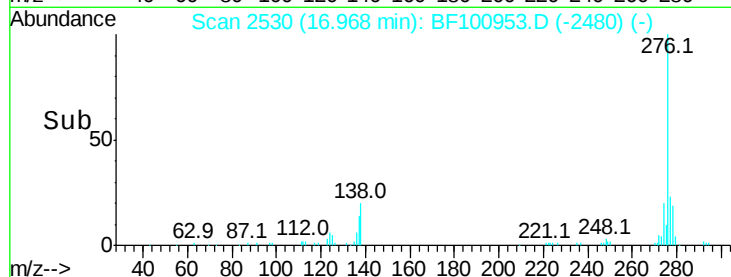
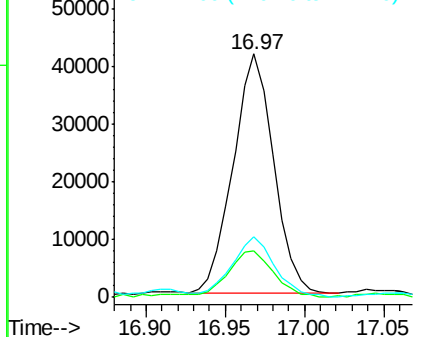
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.0	37.6#
277	26.5	20.1	30.1

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM

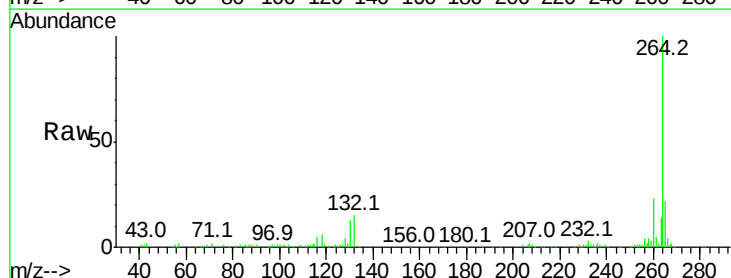


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

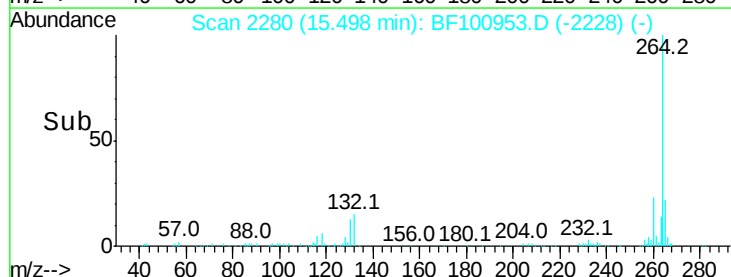
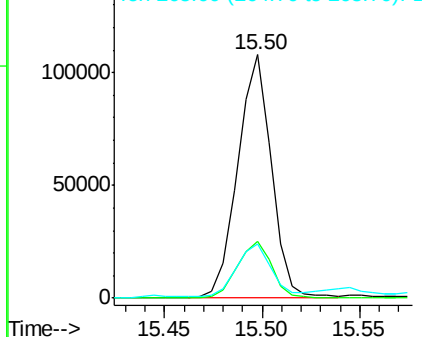


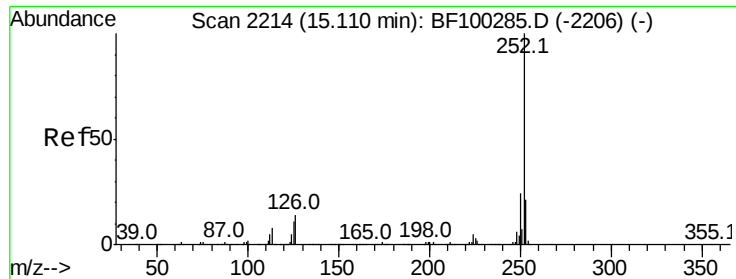
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 32.929 ng m

RT: 15.07 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Instrument :

BNA_F

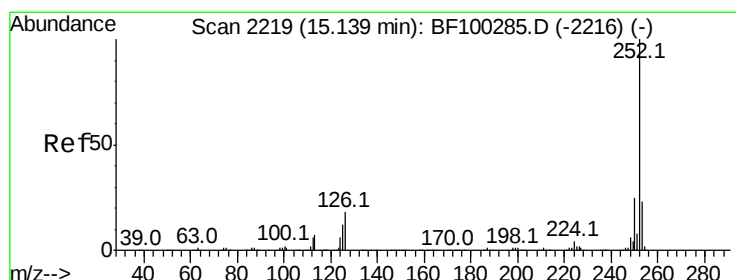
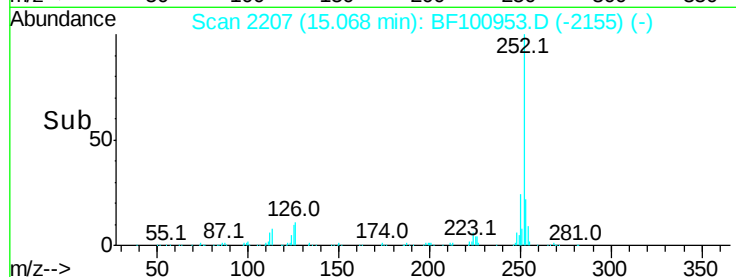
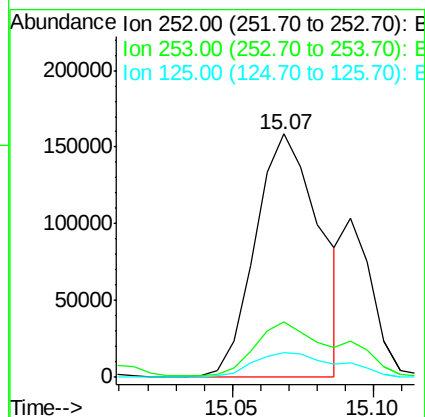
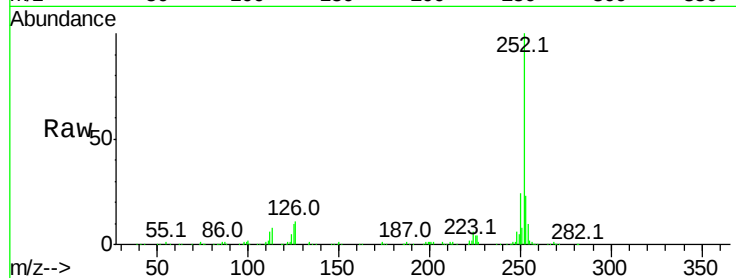
ClientSampleId :

SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.3	9.0	13.6

Manual Integrations
APPROVED

Sohil
11/29/2017 4:29:16 PM



#88

Benzo(k)fluoranthene

Concen: 10.401 ng m

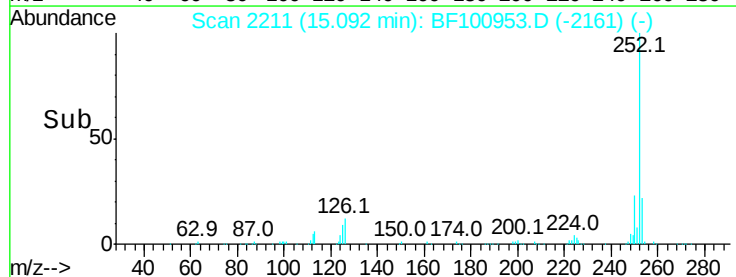
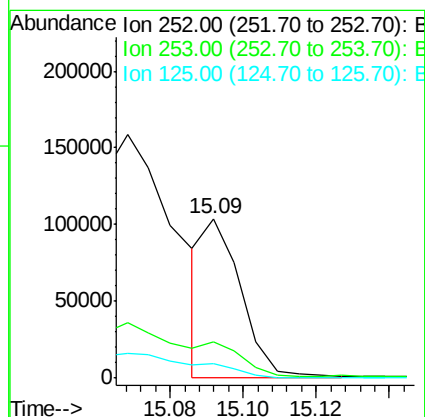
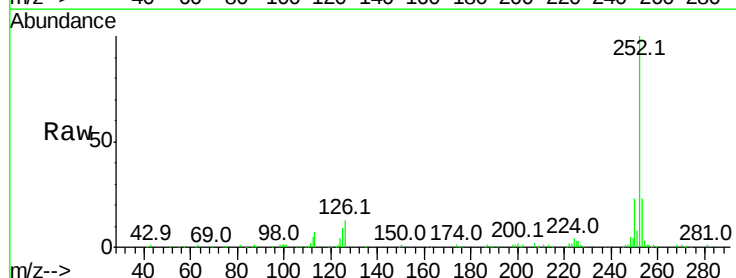
RT: 15.09 min Scan# 2211

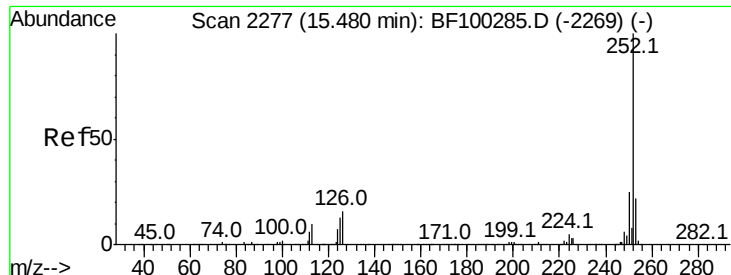
Delta R.T. -0.01 min

Lab File: BF100953.D

Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	9.3	10.2	15.2#





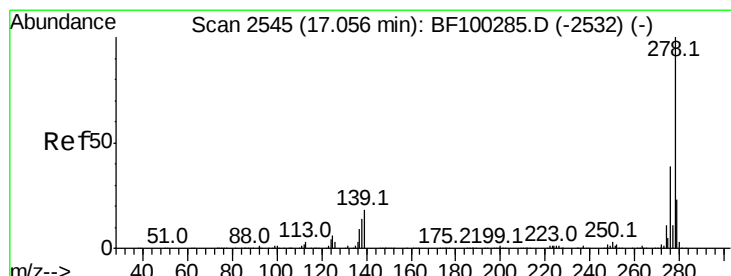
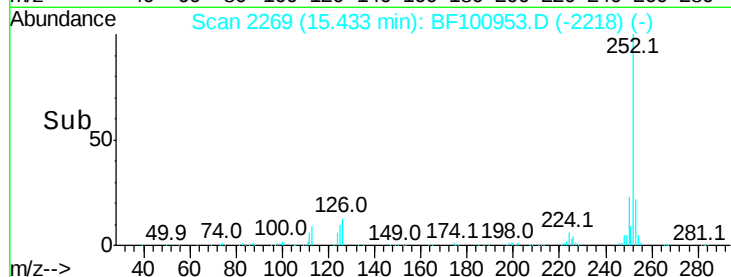
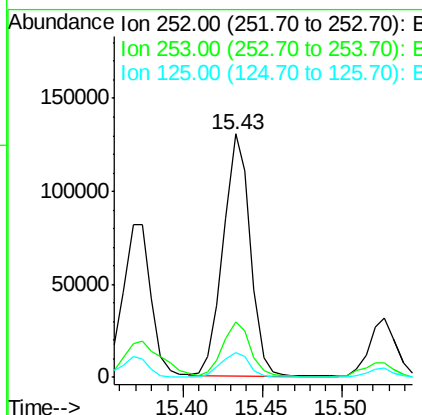
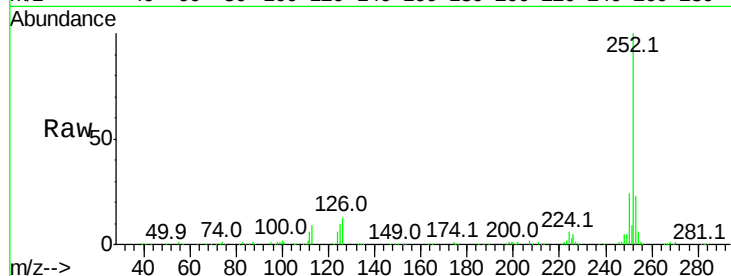
#89
Benzo(a)pyrene
Concen: 22.719 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	10.3	9.8	14.6

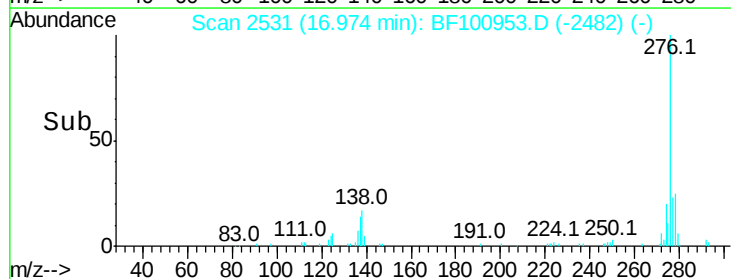
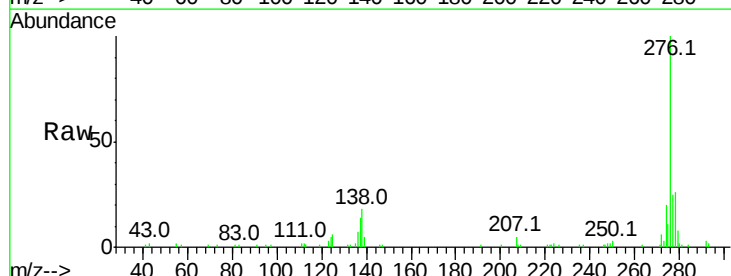
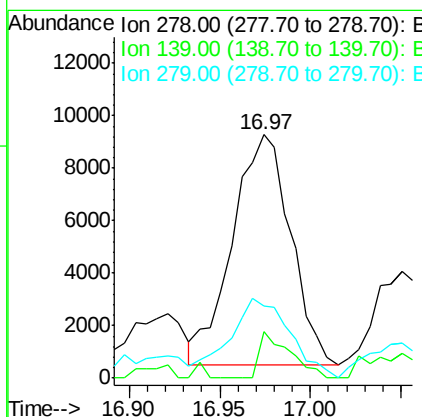
Manual Integrations
APPROVED

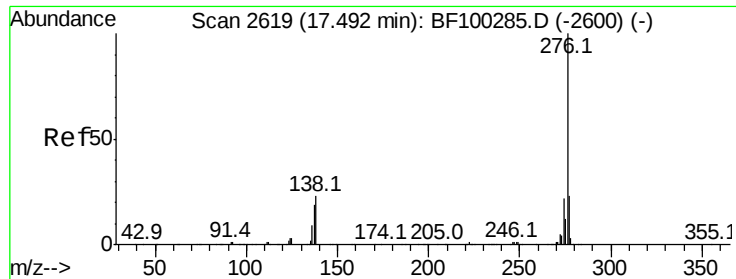
Sohil
11/29/2017 4:29:16 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.529 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF100953.D
Acq: 29 Nov 2017 00:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.9	23.9
279	29.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 12.531 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF100953.D
 Acq: 29 Nov 2017 00:49

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	20.9	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 11/29/2017 4:29:16 PM

