

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098962.D
 Acq On : 30 Sep 2017 14:59
 Operator : SJ/JU
 Sample : I5509-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LEONIA-GENERATOR-COMP

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:45:15 PM

Quant Time: Oct 01 00:26:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	128513	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	532137	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	238178	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	370655	20.00	ng	0.00
75) Chrysene-d12	14.08	240	207700	20.00	ng	0.00
86) Perylene-d12	15.57	264	231477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1061508	131.49	ng	0.00
7) Phenol-d6	6.55	99	1296984	130.23	ng	0.00
23) Nitrobenzene-d5	7.47	82	802286	96.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	239415	122.84	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1282907	89.92	ng	-0.01
78) Terphenyl-d14	13.02	244	807695	88.44	ng	-0.01
Target Compounds						
10) Phenol	6.55	94	28983	2.602	ng	91
48) Acenaphthylene	9.81	152	53061	2.255	ng	99
49) Dimethylphthalate	9.66	163	245562	13.660	ng	99
70) Phenanthrene	11.46	178	349189	17.600	ng	99
71) Anthracene	11.51	178	75186	3.704	ng	99
74) Fluoranthene	12.65	202	666056	33.153	ng	99
77) Pyrene	12.88	202	580239	36.636	ng	100
80) Benzo(a)anthracene	14.07	228	255080m	20.282	ng	
82) Chrysene	14.10	228	271715	22.693	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	194198	20.275	ng	97
87) Benzo(b)fluoranthene	15.13	252	395296m	27.775	ng	
88) Benzo(k)fluoranthene	15.16	252	118548m	8.433	ng	
89) Benzo(a)pyrene	15.51	252	278749	21.337	ng	98
90) Dibenzo(a,h)anthracene	17.09	278	45978	4.398	ng	# 88
91) Benzo(a,h,i)perylene	17.54	276	186317	18.028	ng	94

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

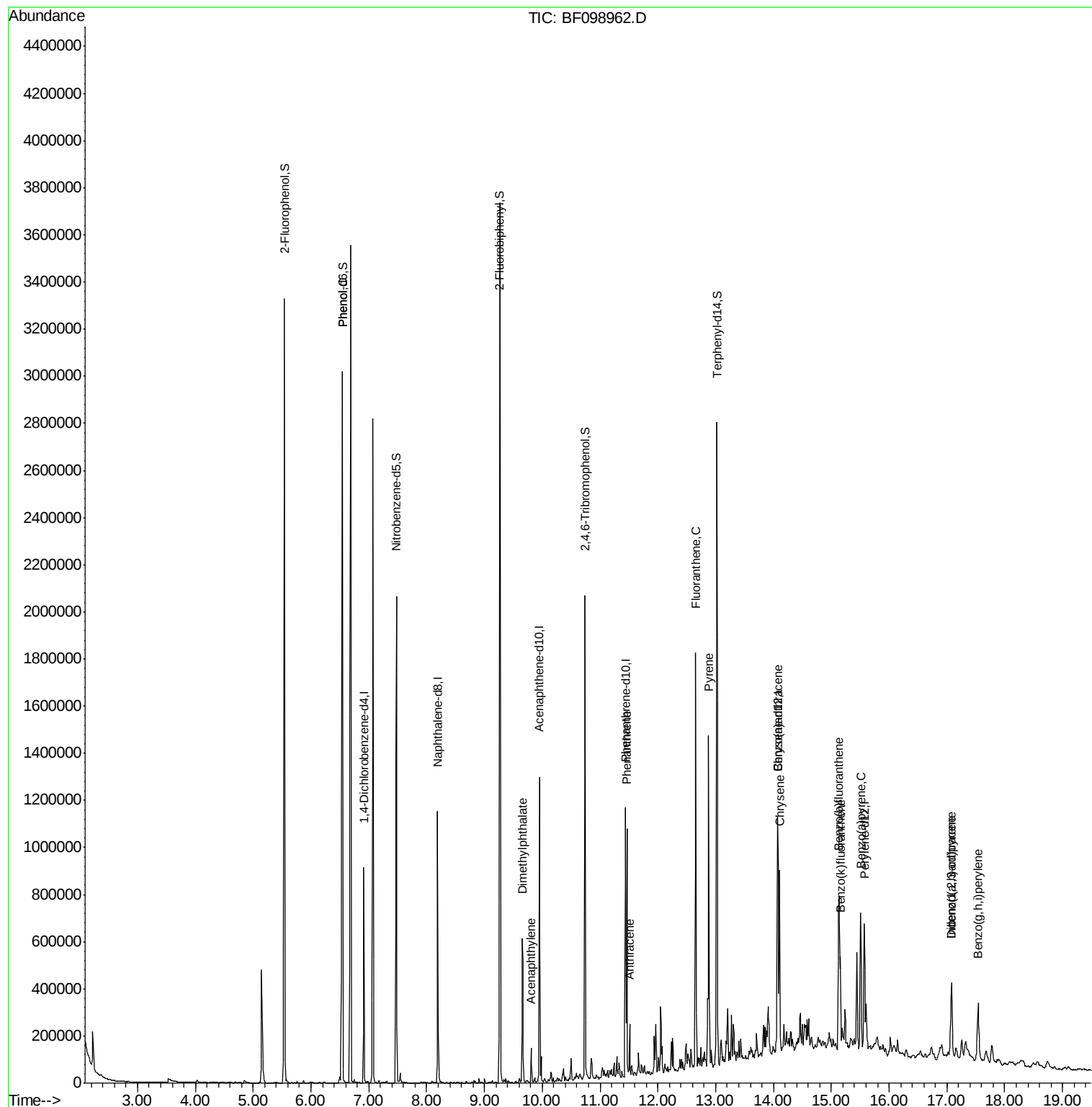
Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098962.D
Acq On : 30 Sep 2017 14:59
Operator : SJ/JU
Sample : I5509-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

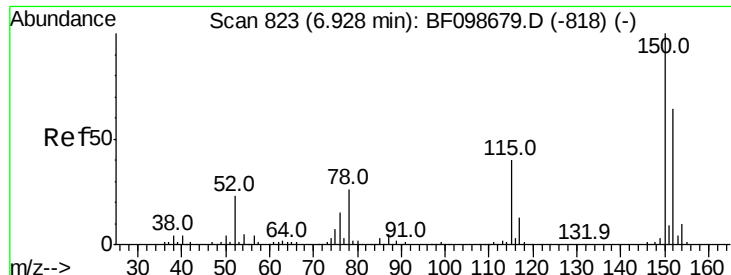
Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM

Quant Time: Oct 01 00:26:00 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration





#1

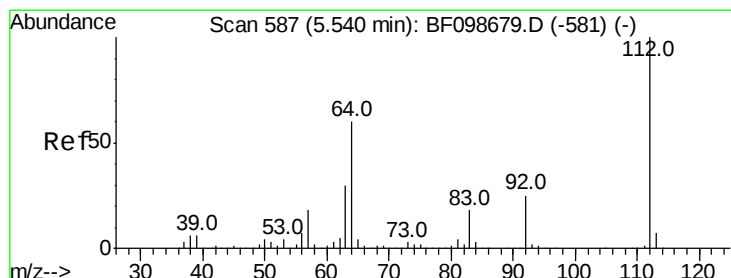
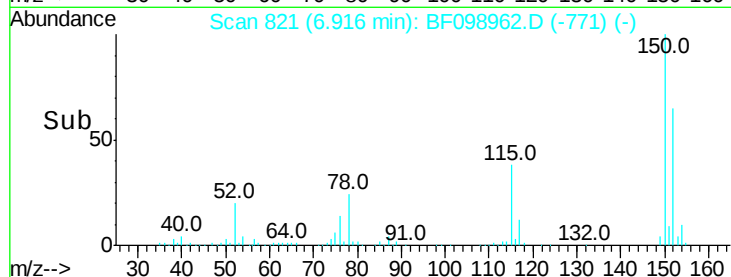
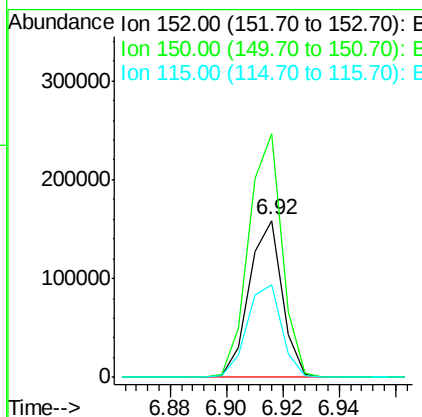
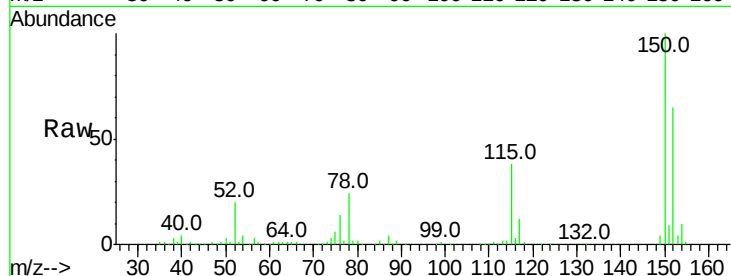
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	58.6	50.1	75.1

Manual Integrations
APPROVED

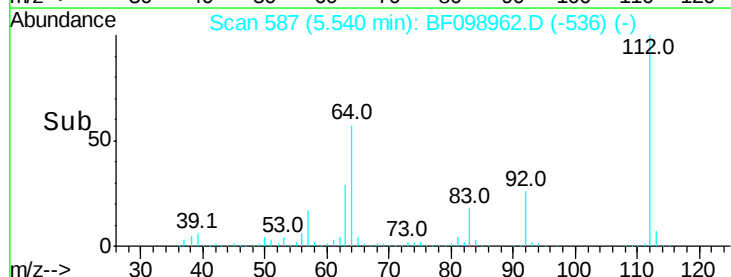
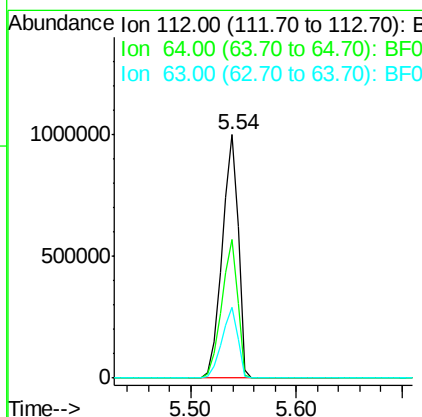
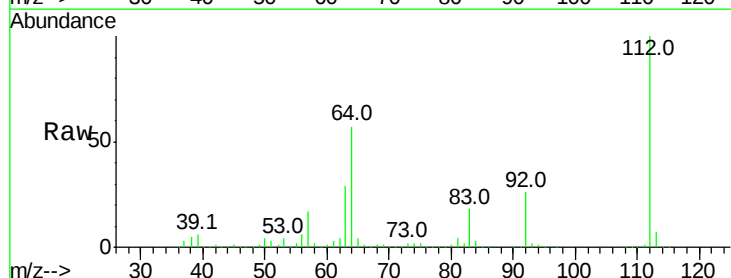
Sohil
10/2/2017 5:45:15 PM



#5

2-Fluorophenol
Concen: 131.490 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 130.234 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Instrument :

BNA_F

ClientSampleId :

LEONIA-GENERATOR-COMP

Tot Ion: 99 Resp: 1296984

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

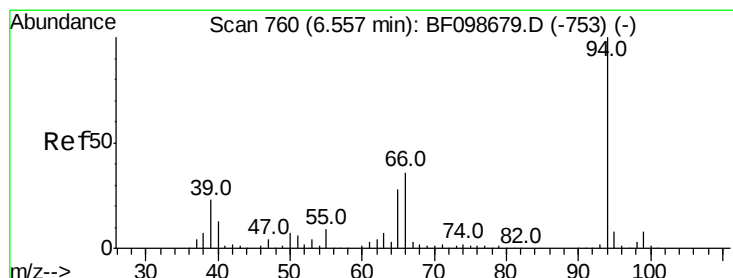
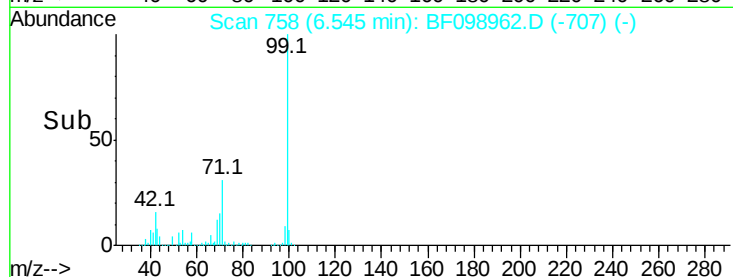
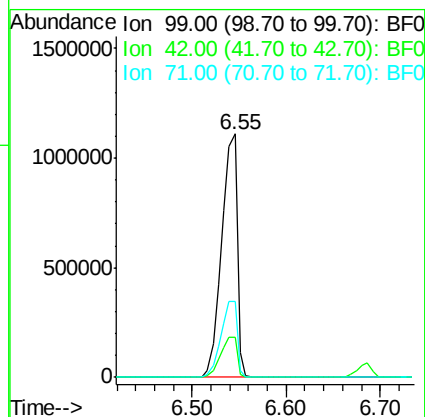
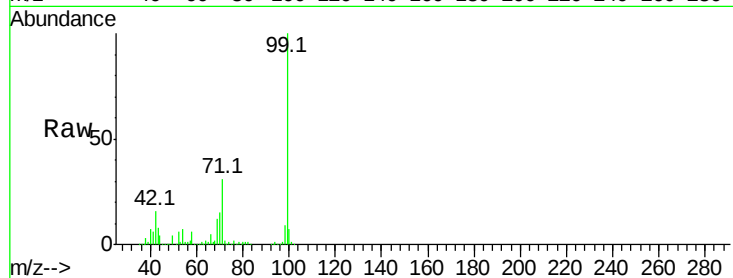
71 31.2 25.4 38.0

Manual Integrations

APPROVED

Sohil

10/2/2017 5:45:15 PM



#10

Phenol

Concen: 2.602 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

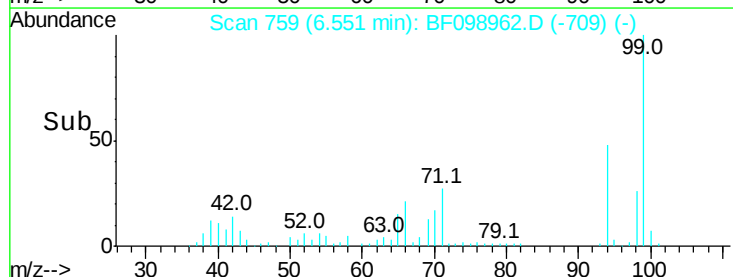
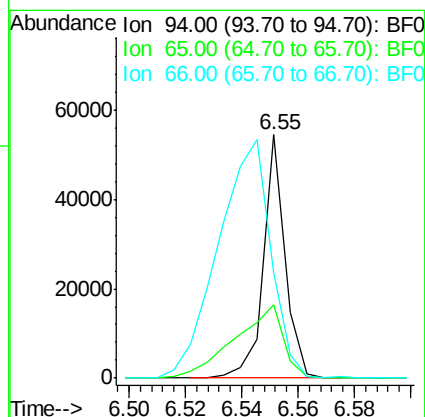
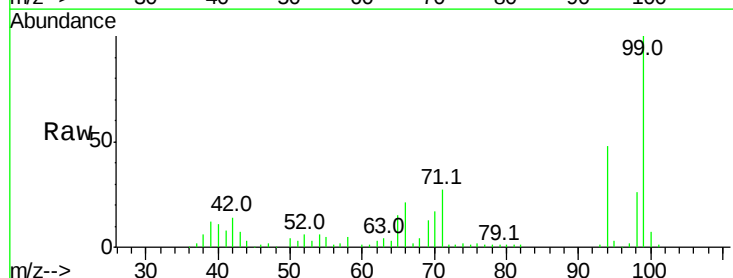
Tgt Ion: 94 Resp: 28983

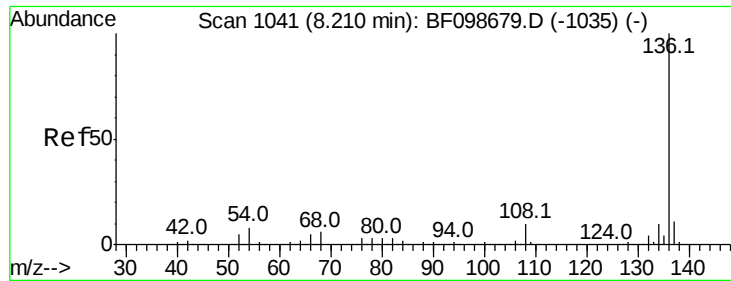
Ion Ratio Lower Upper

94 100

65 30.4 7.9 47.9

66 43.4 16.2 56.2





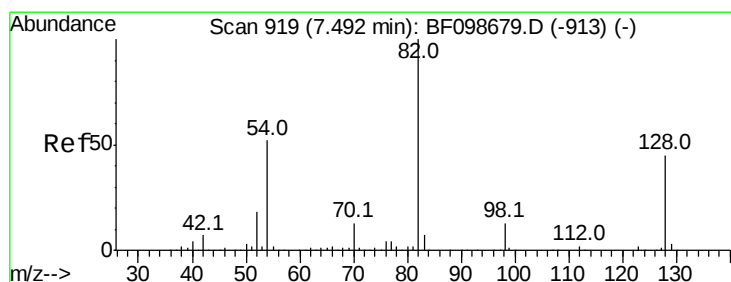
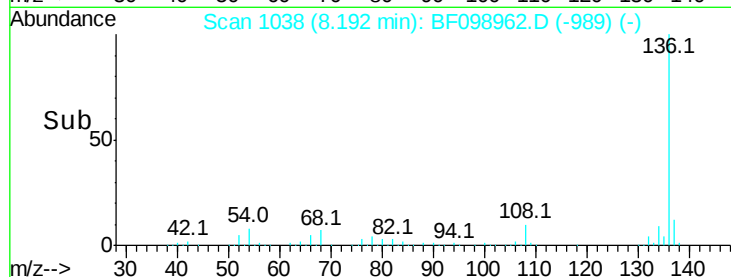
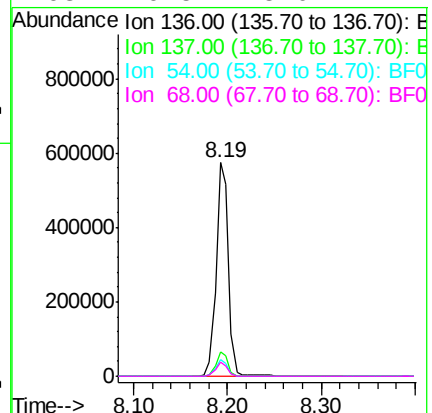
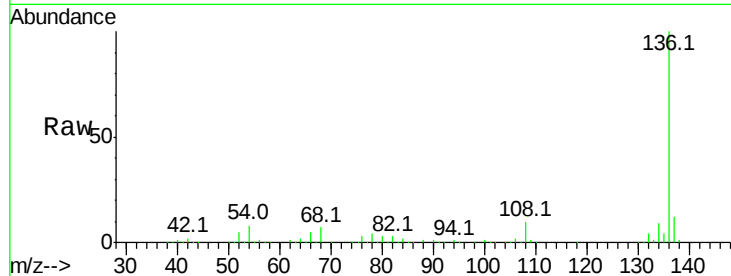
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.9	13.3	
54	8.1	6.6	9.8	
68	6.5	5.0	7.4	

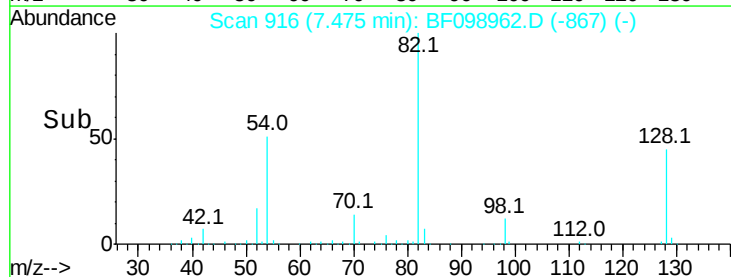
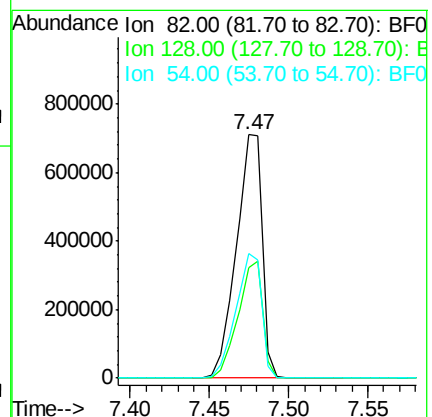
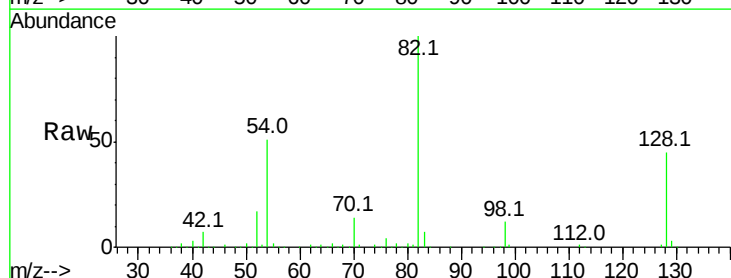
Manual Integrations
APPROVED

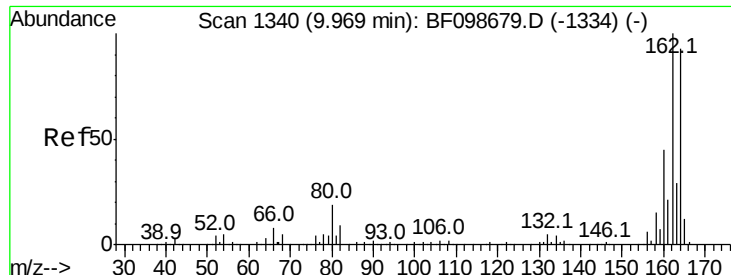
Sohil
10/2/2017 5:45:15 PM



#23
Nitrobenzene-d5
Concen: 96.687 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	36.1	54.1	
54	51.3	41.4	62.2	





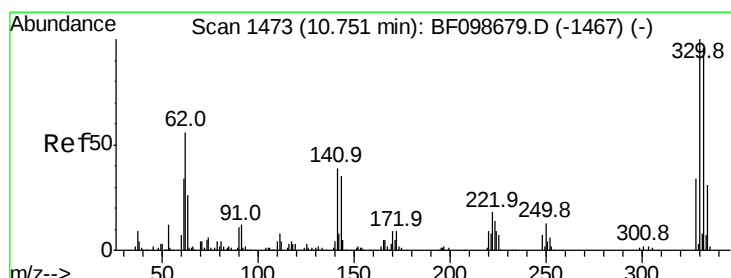
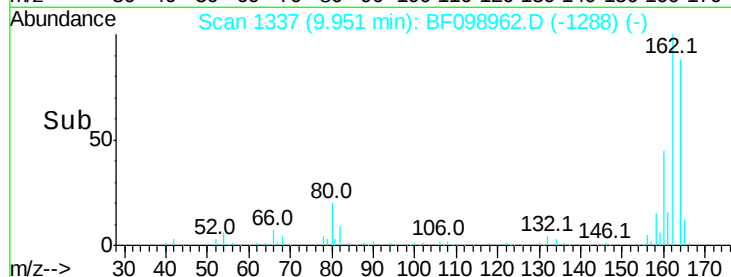
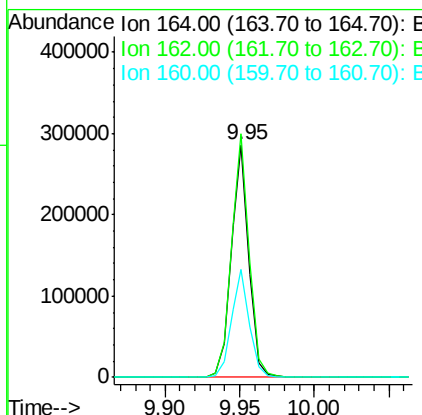
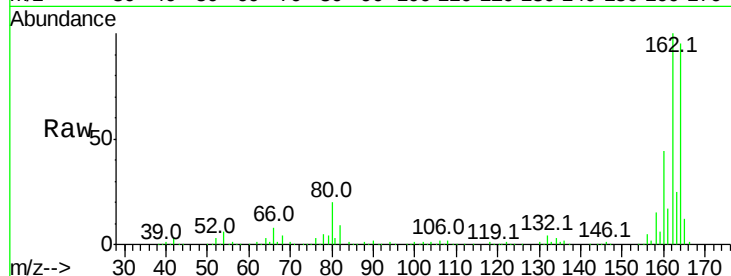
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	238178		
162	104.8	86.1	129.1	
160	46.6	38.3	57.5	

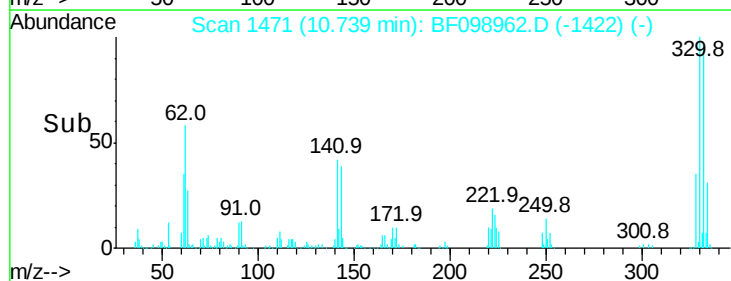
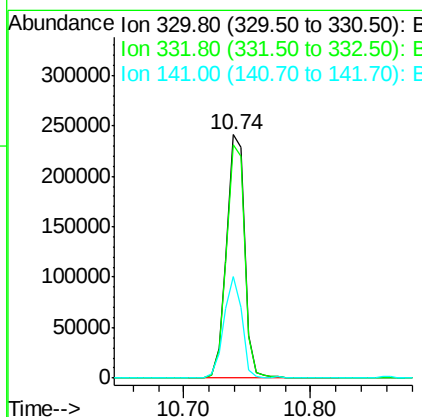
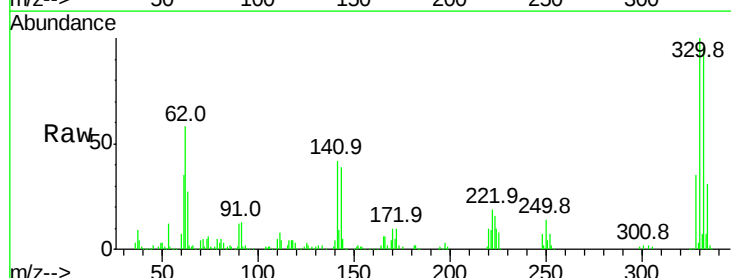
Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM



#41
2,4,6-Tribromophenol
Concen: 122.844 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	239415		
332	96.5	77.0	115.6	
141	42.1	29.9	44.9	





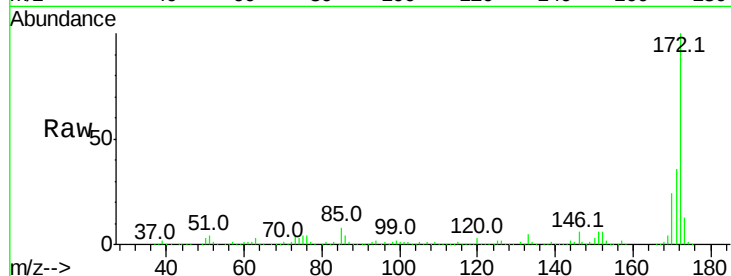
#44
2-Fluorobiphenyl
Concen: 89.920 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

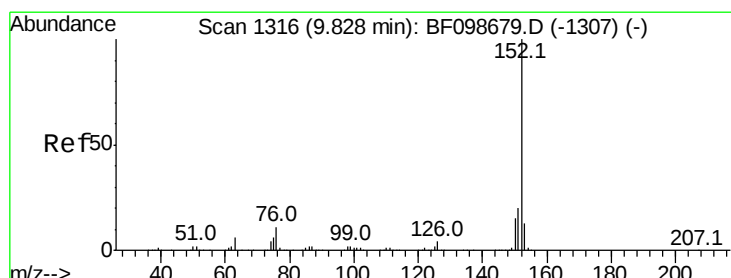
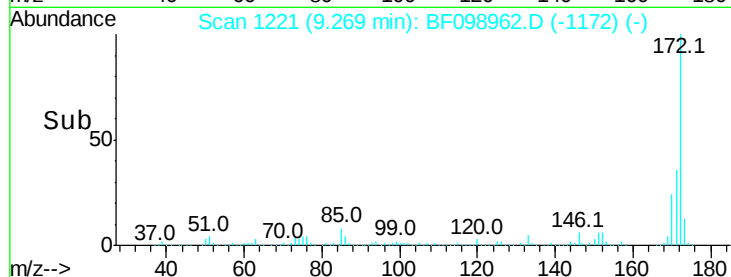
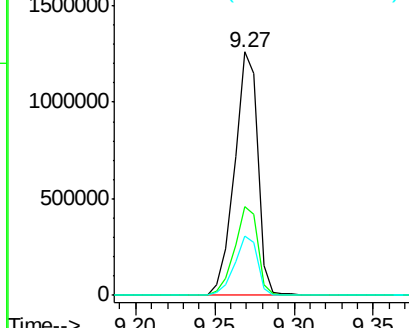
Tot Ion:172 Resp: 1282907
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.2 19.6 29.4

Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM



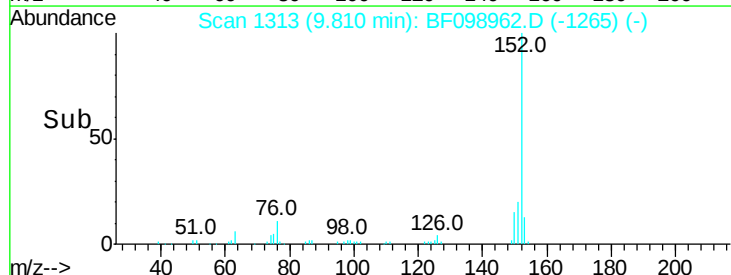
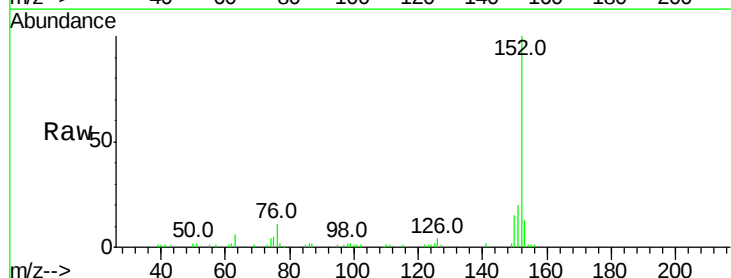
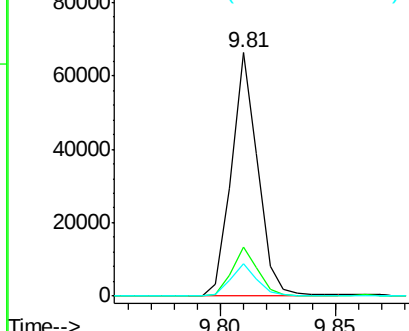
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

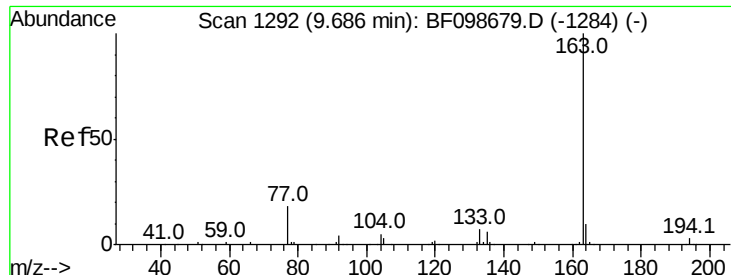


#48
Acenaphthylene
Concen: 2.255 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.02 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion:152 Resp: 53061
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 13.3 10.7 16.1

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





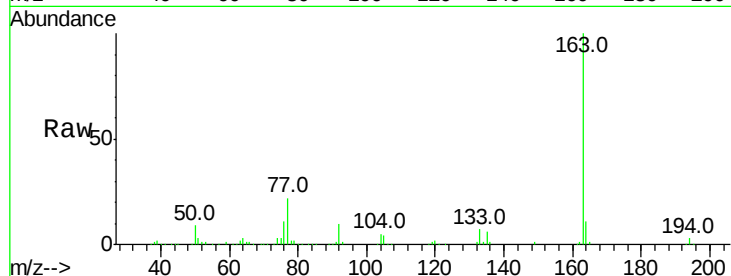
#49
Dimethylphthalate
Concen: 13.660 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

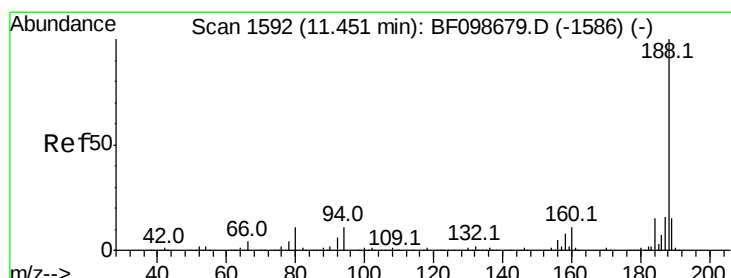
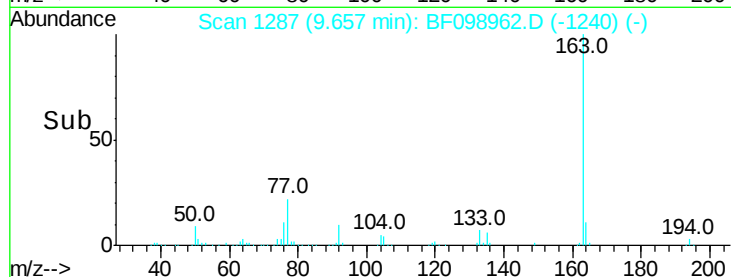
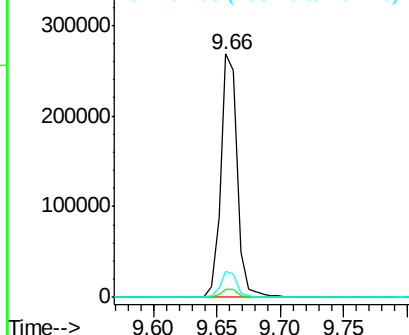
Tot Ion	Ratio	Resp	Lower	Upper
163	100	245562		
194	3.3		2.7	4.1
164	10.6		8.2	12.2

Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM



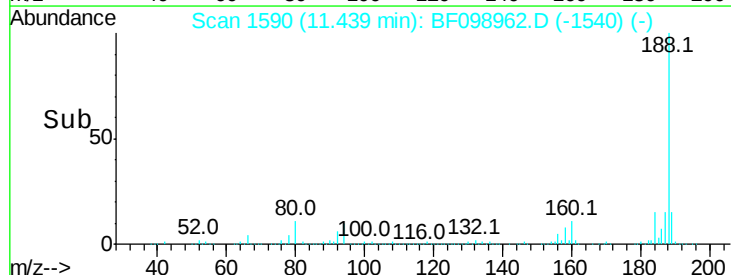
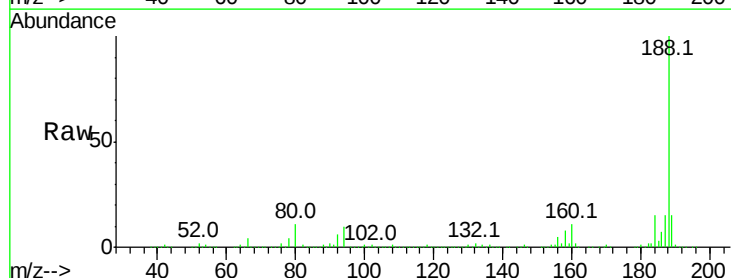
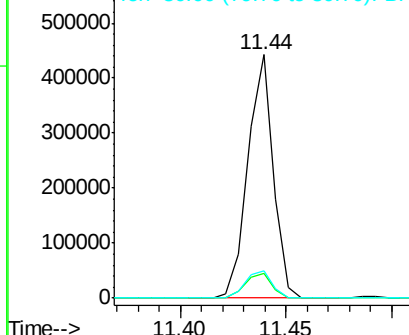
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

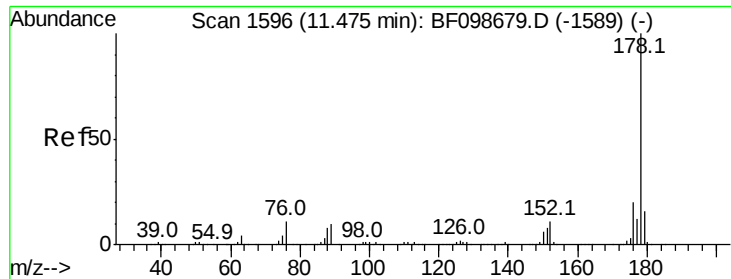


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	370655		
94	10.1		8.5	12.7
80	11.1		9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





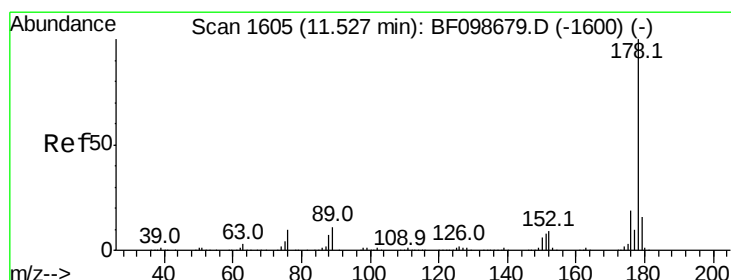
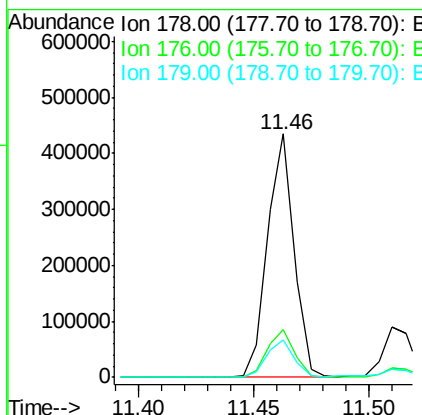
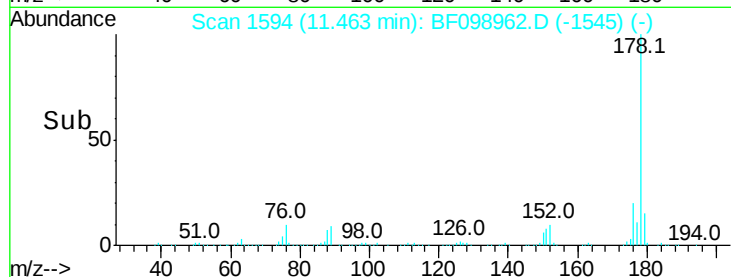
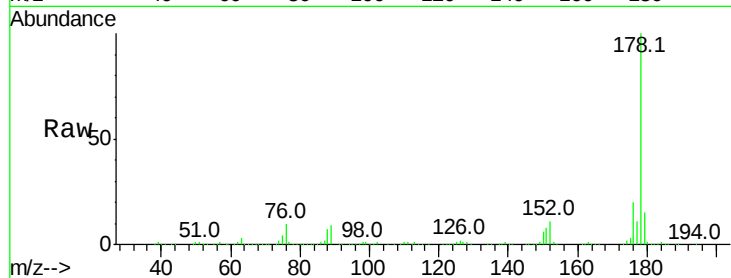
#70
Phenanthrene
Concen: 17.600 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.4	13.0	19.6

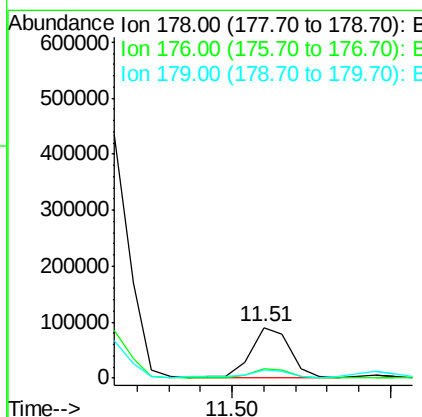
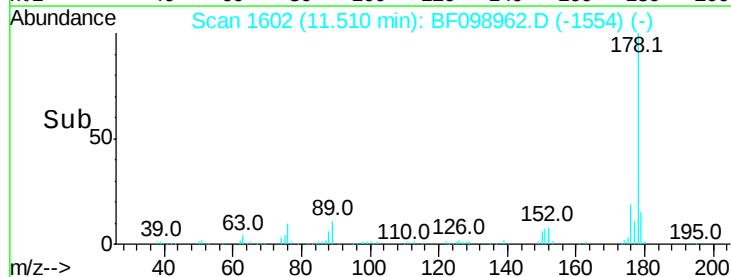
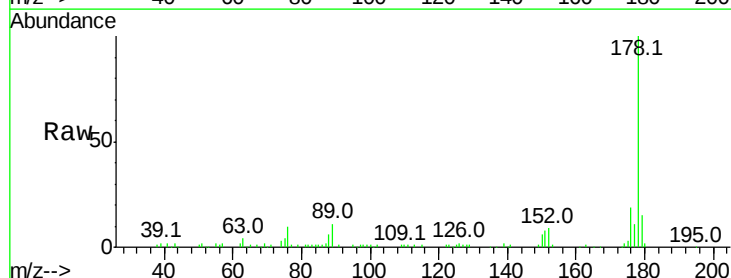
Manual Integrations
APPROVED

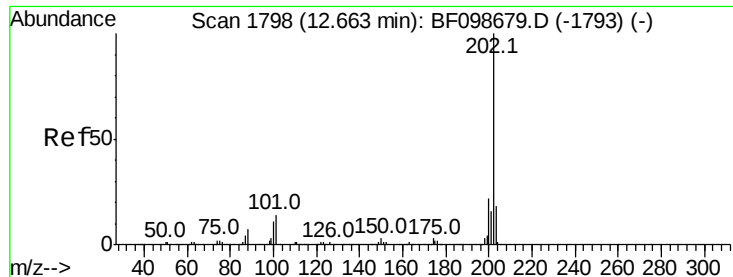
Sohil
10/2/2017 5:45:15 PM



#71
Anthracene
Concen: 3.704 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.02 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 33.153 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Instrument :

BNA_F

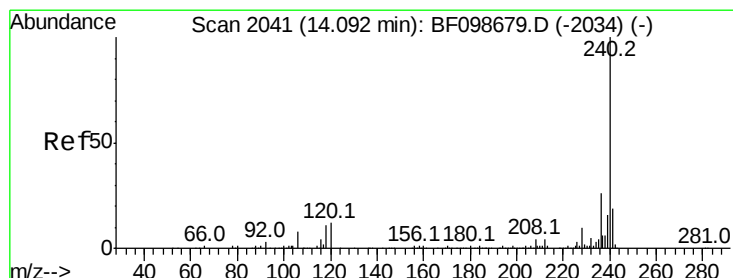
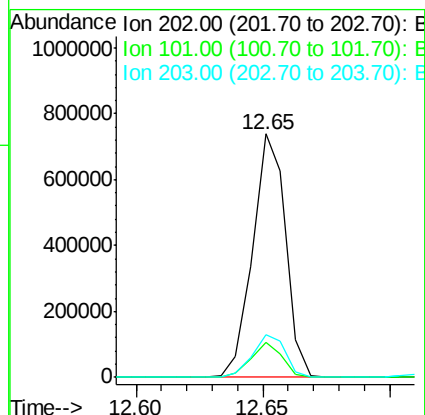
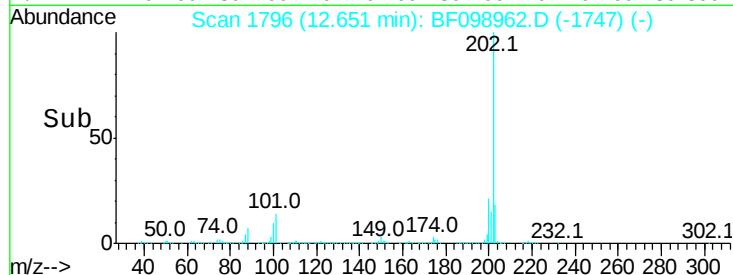
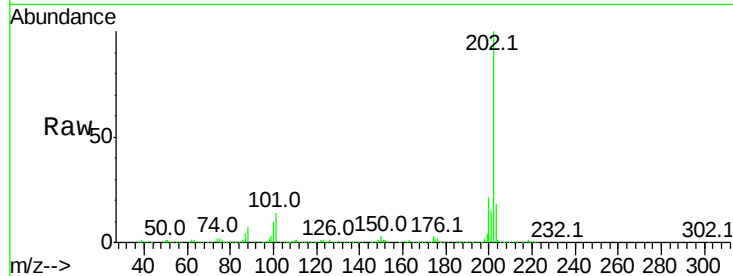
ClientSampleId :

LEONIA-GENERATOR-COMP

Tot Ion:	202	Resp:	666056
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM



#75

Chrysene-d12

Concen: 20.000 ng

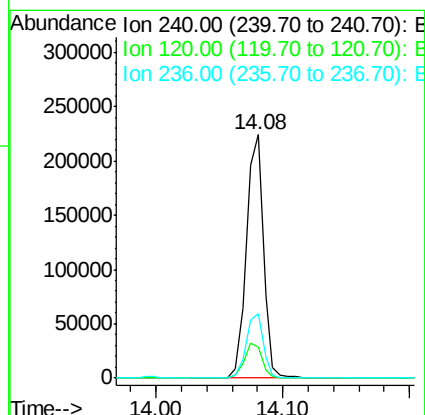
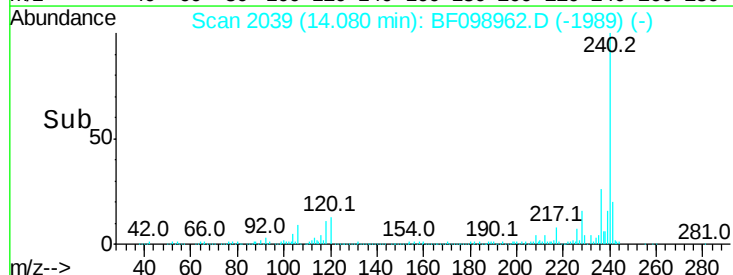
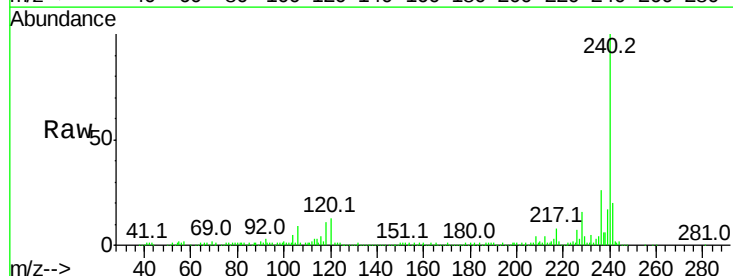
RT: 14.08 min Scan# 2039

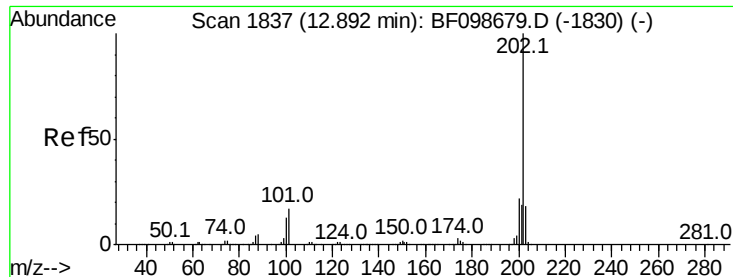
Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Tgt Ion:	240	Resp:	207700
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	26.5	20.7	31.1





#77

Pvrene

Concen: 36.636 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Instrument :

BNA_F

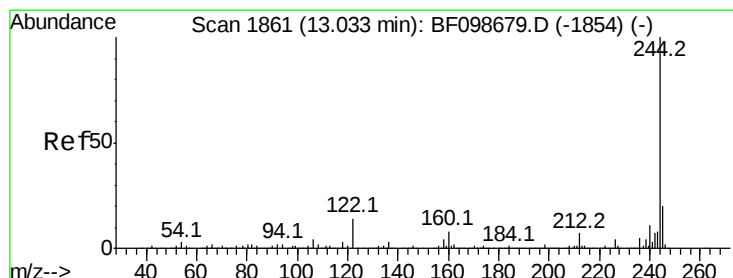
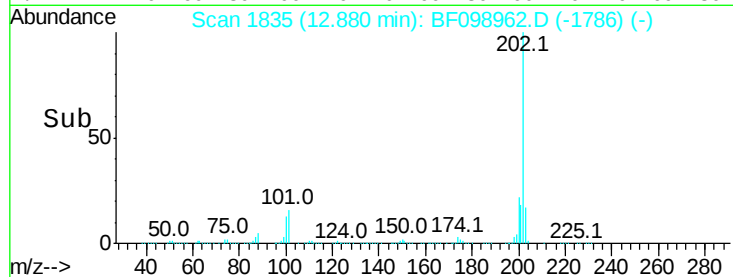
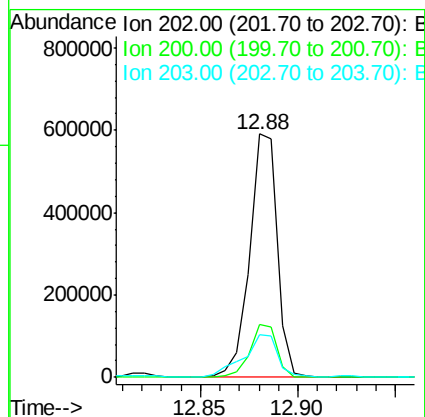
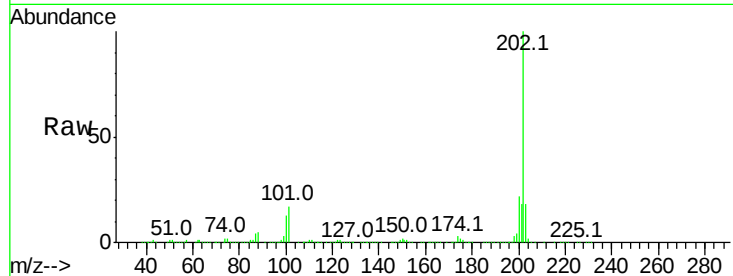
ClientSampleId :

LEONIA-GENERATOR-COMP

Tot Ion:202	Resp:	580239
Ion Ratio	Lower	Upper
202 100		
200 21.9	17.4	26.2
203 17.6	14.3	21.5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM



#78

Terphenyl-d14

Concen: 88.438 ng

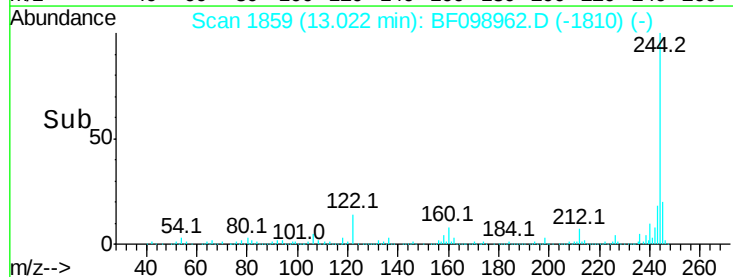
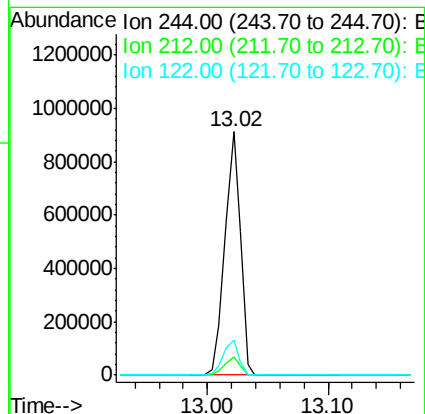
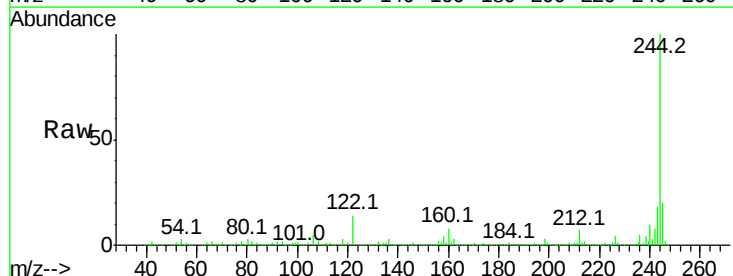
RT: 13.02 min Scan# 1859

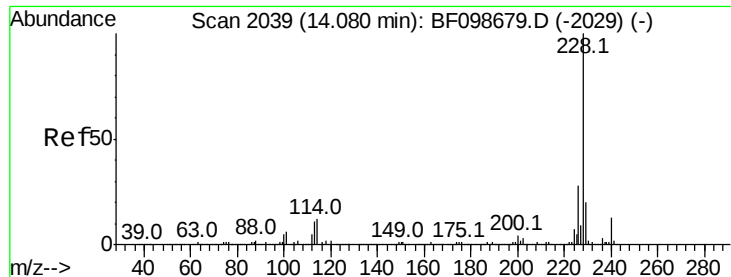
Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Tgt Ion:244	Resp:	807695
Ion Ratio	Lower	Upper
244 100		
212 7.3	5.4	8.0
122 14.2	11.0	16.4





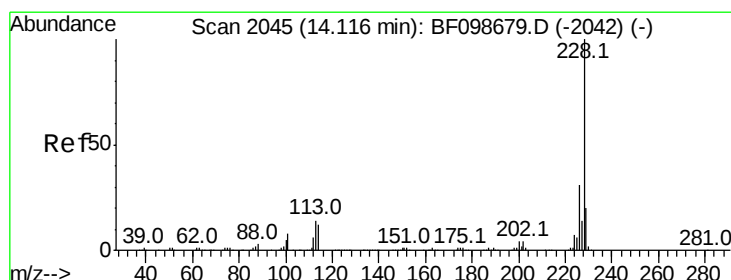
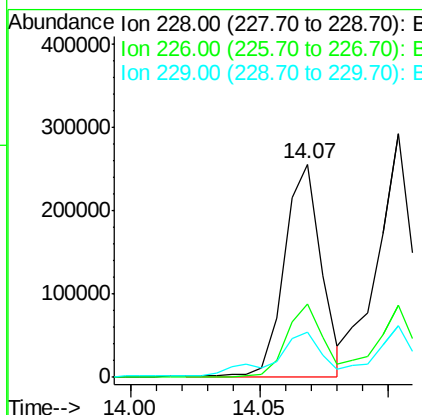
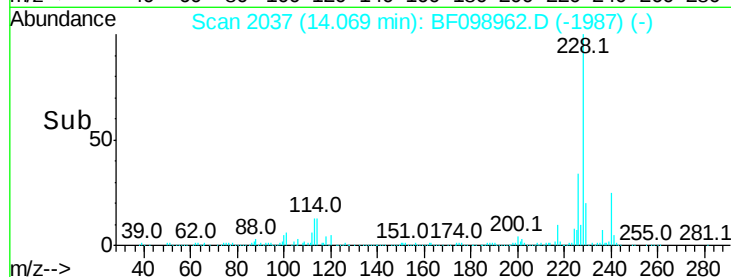
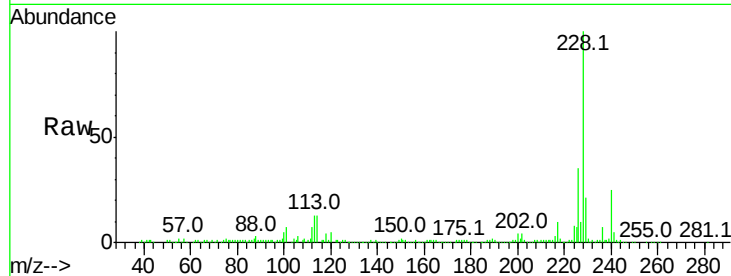
#80
Benzo(a)anthracene
Concen: 20.282 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.6	33.8#
229	21.1	15.8	23.6

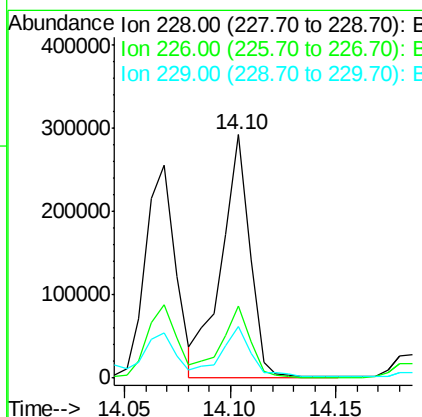
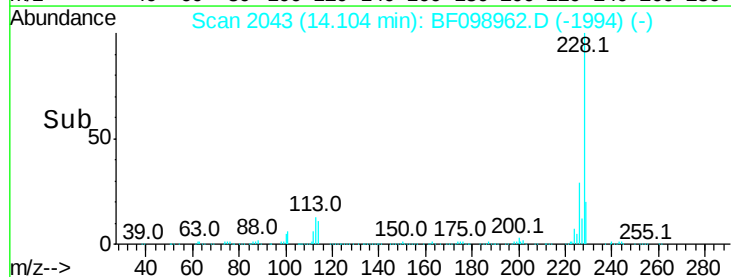
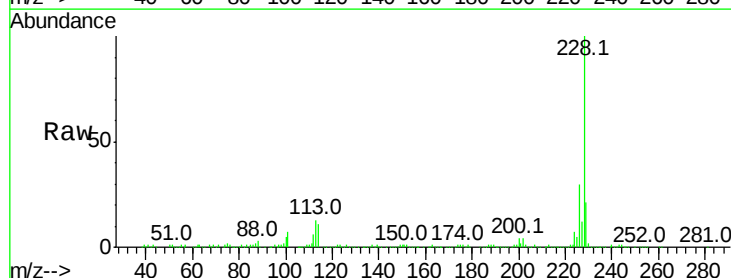
Manual Integrations
APPROVED

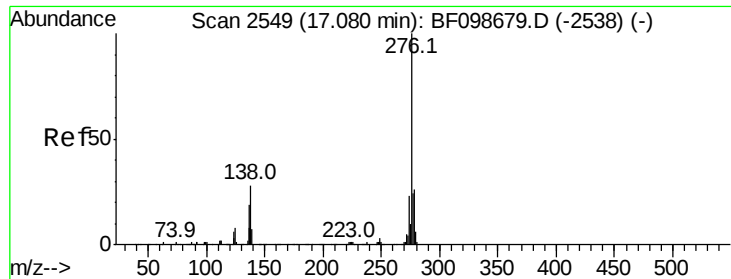
Sohil
10/2/2017 5:45:15 PM



#82
Chrysene
Concen: 22.693 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.1	16.2	24.4





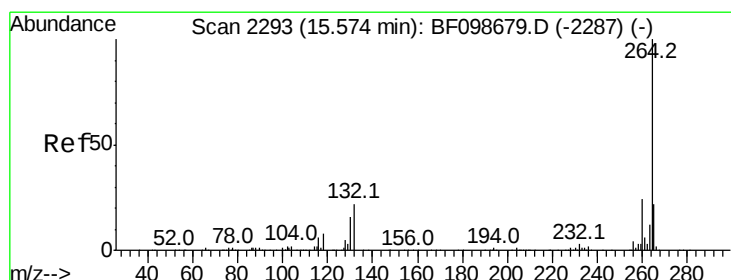
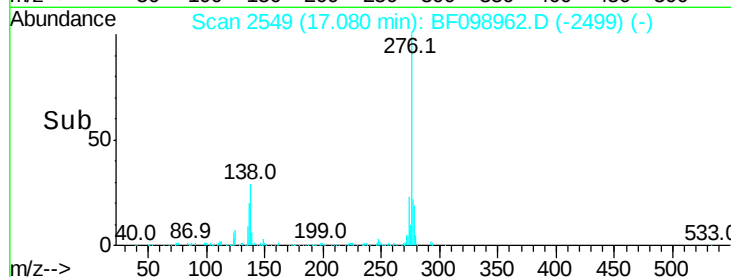
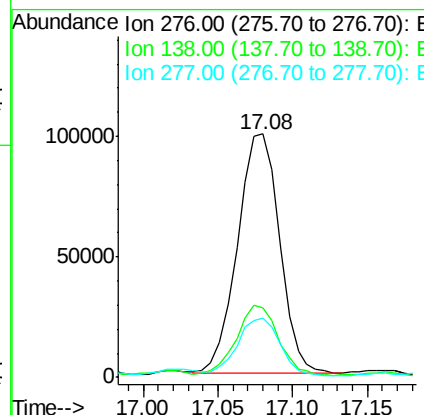
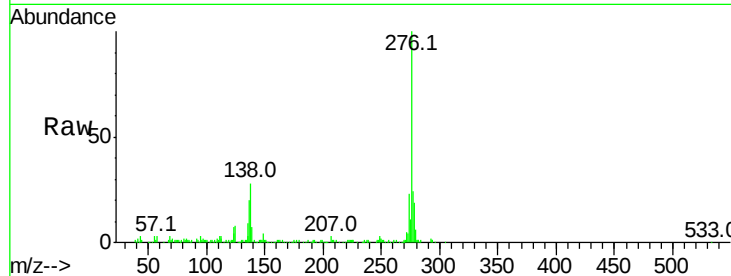
#85
Indeno(1,2,3-cd)pyrene
Concen: 20.275 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	24.5	20.1	30.1

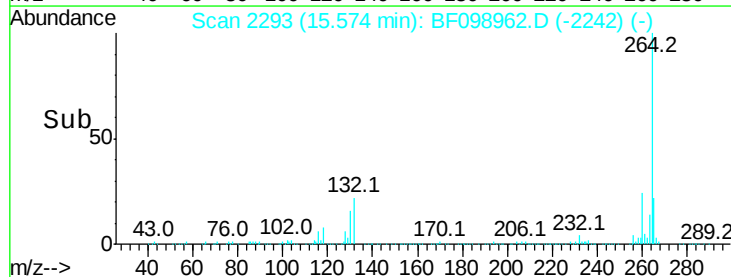
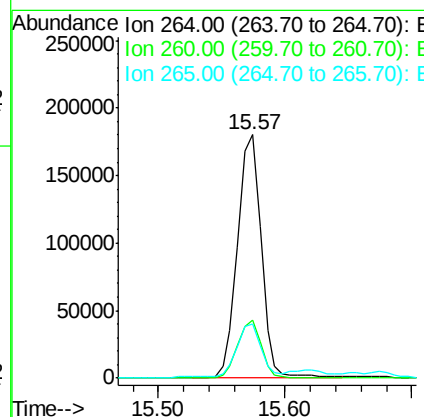
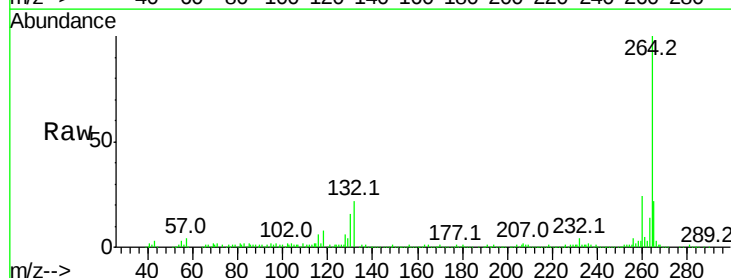
Manual Integrations
APPROVED

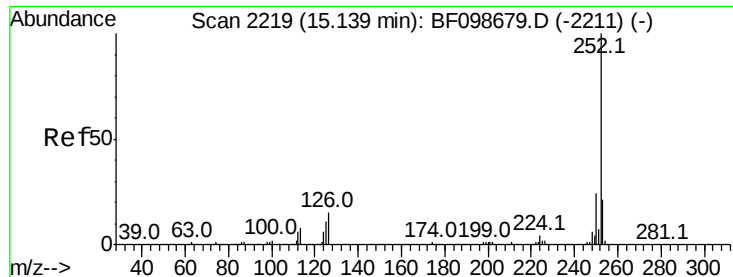
Sohil
10/2/2017 5:45:15 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 27.775 ng m

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Instrument :

BNA_F

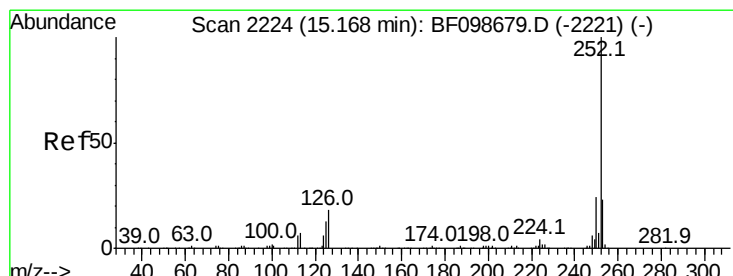
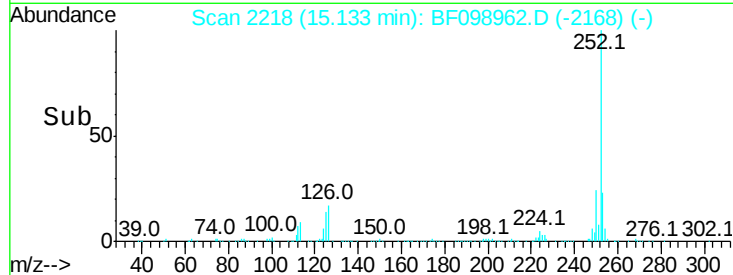
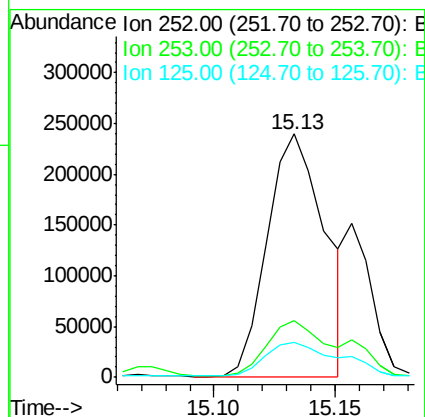
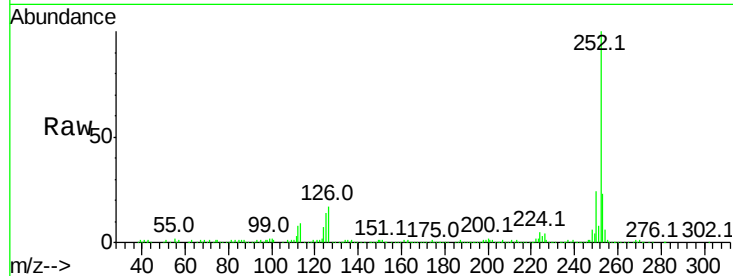
ClientSampleId :

LEONIA-GENERATOR-COMP

Tot Ion:	252	Resp:	395296
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	14.2	9.0	13.6

Manual Integrations
APPROVED

Sohil
10/2/2017 5:45:15 PM



#88

Benzo(k)fluoranthene

Concen: 8.433 ng m

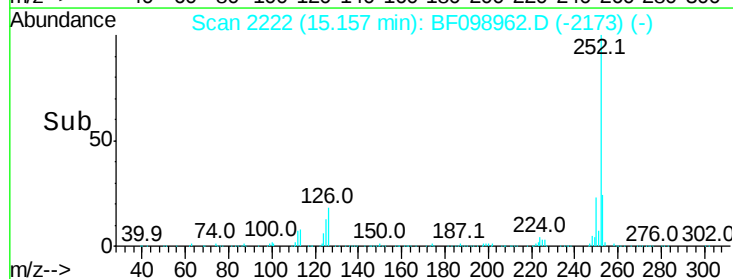
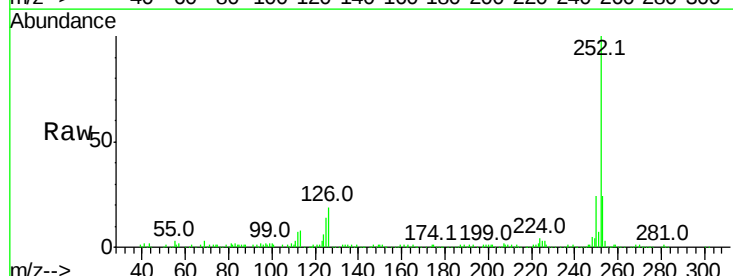
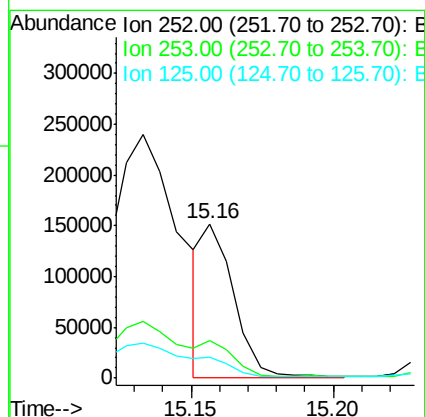
RT: 15.16 min Scan# 2222

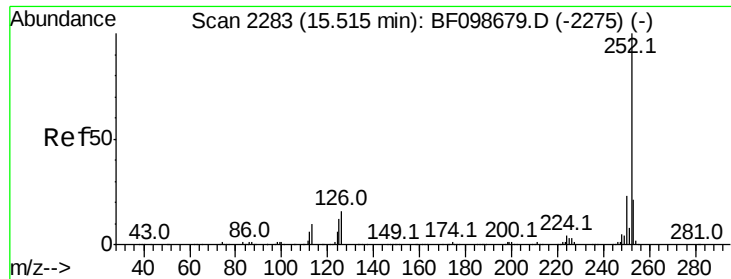
Delta R.T. -0.01 min

Lab File: BF098962.D

Acq: 30 Sep 2017 14:59

Tgt Ion:	252	Resp:	118548
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.9	26.9
125	13.6	10.2	15.2





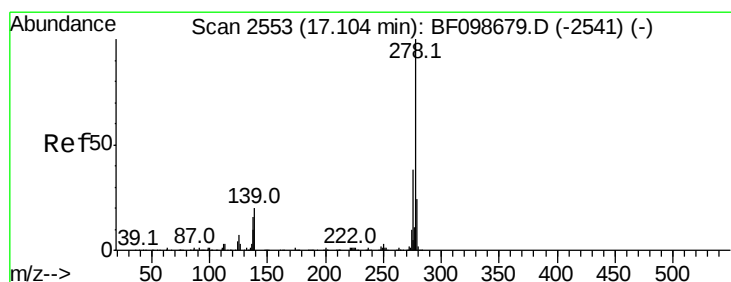
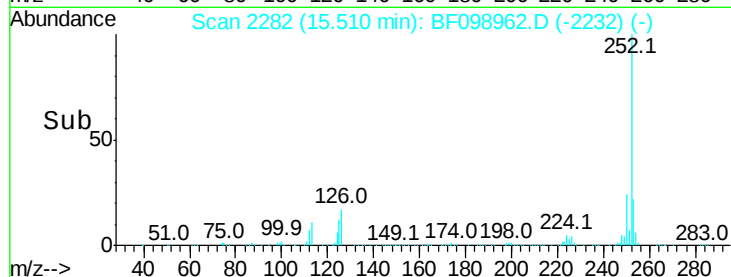
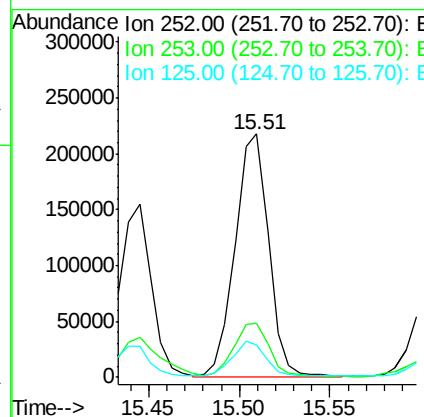
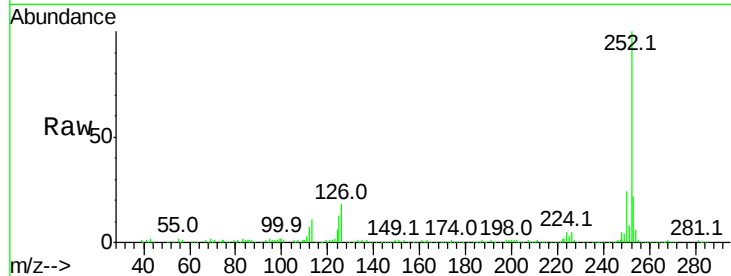
#89
Benzo(a)pyrene
Concen: 21.337 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Instrument :
BNA_F
ClientSampleId :
LEONIA-GENERATOR-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.1	9.8	14.6

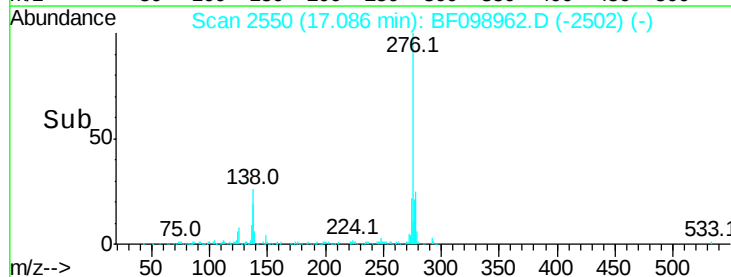
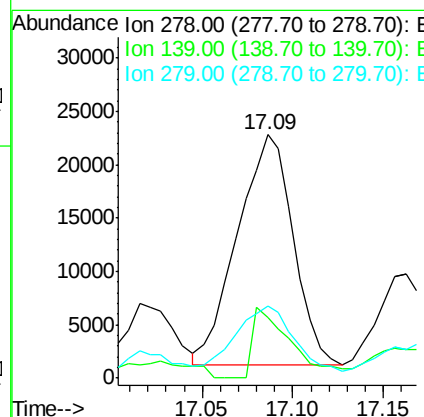
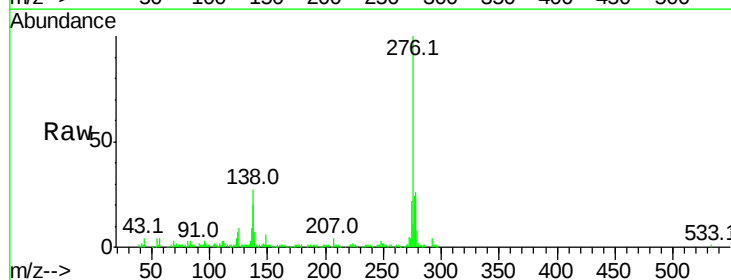
Manual Integrations
APPROVED

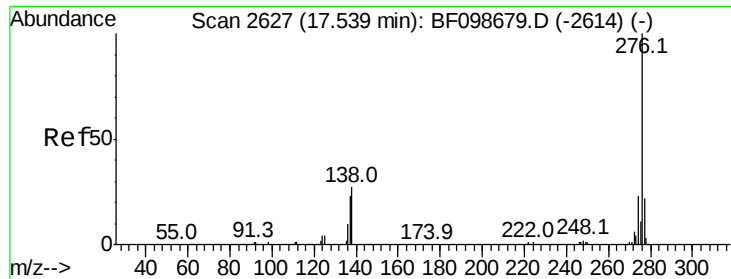
Sohil
10/2/2017 5:45:15 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.398 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF098962.D
Acq: 30 Sep 2017 14:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	15.9	23.9#
279	29.8	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 18.028 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF098962.D
 Acq: 30 Sep 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :
 LEONIA-GENERATOR-COMP

Tot Ion:	276	Resp:	186317
Ion Ratio		Lower	Upper
276	100		
277	24.0	17.9	26.9
138	31.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:45:15 PM

