

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103263.D
 Acq On : 27 Feb 2018 15:22
 Operator : SJ/JU
 Sample : J1397-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-022318-A

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:17:38 AM

Quant Time: Feb 27 17:19:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	153937	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	635204	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	267503	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	404060	20.00	ng	0.00
75) Chrysene-d12	14.06	240	266144	20.00	ng	0.00
86) Perylene-d12	15.56	264	242366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1025271	100.73	ng	0.00
7) Phenol-d6	6.51	99	1202005	96.51	ng	0.00
23) Nitrobenzene-d5	7.44	82	769410	69.17	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	213110	94.12	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1160085	72.01	ng	0.00
78) Terphenyl-d14	12.99	244	779025	70.36	ng	0.00
Target Compounds						
48) Acenaphthylene	9.77	152	78043	2.860	ng	Qvalue 97
49) Dimethylphthalate	9.62	163	146503	6.827	ng	98
57) Fluorene	10.46	166	55148	2.964	ng	# 99
70) Phenanthrene	11.43	178	382406	17.197	ng	99
71) Anthracene	11.48	178	99385	4.359	ng	98
74) Fluoranthene	12.62	202	428627	19.182	ng	98
77) Pyrene	12.85	202	528489	25.469	ng	100
80) Benzo(a)anthracene	14.04	228	200202	11.594	ng	92
82) Chrysene	14.08	228	217475	12.970	ng	95
85) Indeno(1,2,3-cd)pyrene	17.09	276	64107	4.829	ng	99
87) Benzo(b)fluoranthene	15.12	252	189873m	11.915	ng	
88) Benzo(k)fluoranthene	15.14	252	48098m	3.205	ng	
89) Benzo(a)pyrene	15.50	252	142313	10.001	ng	# 91
91) Benzo(a,h,i)perylene	17.55	276	67735	6.303	ng	# 90

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

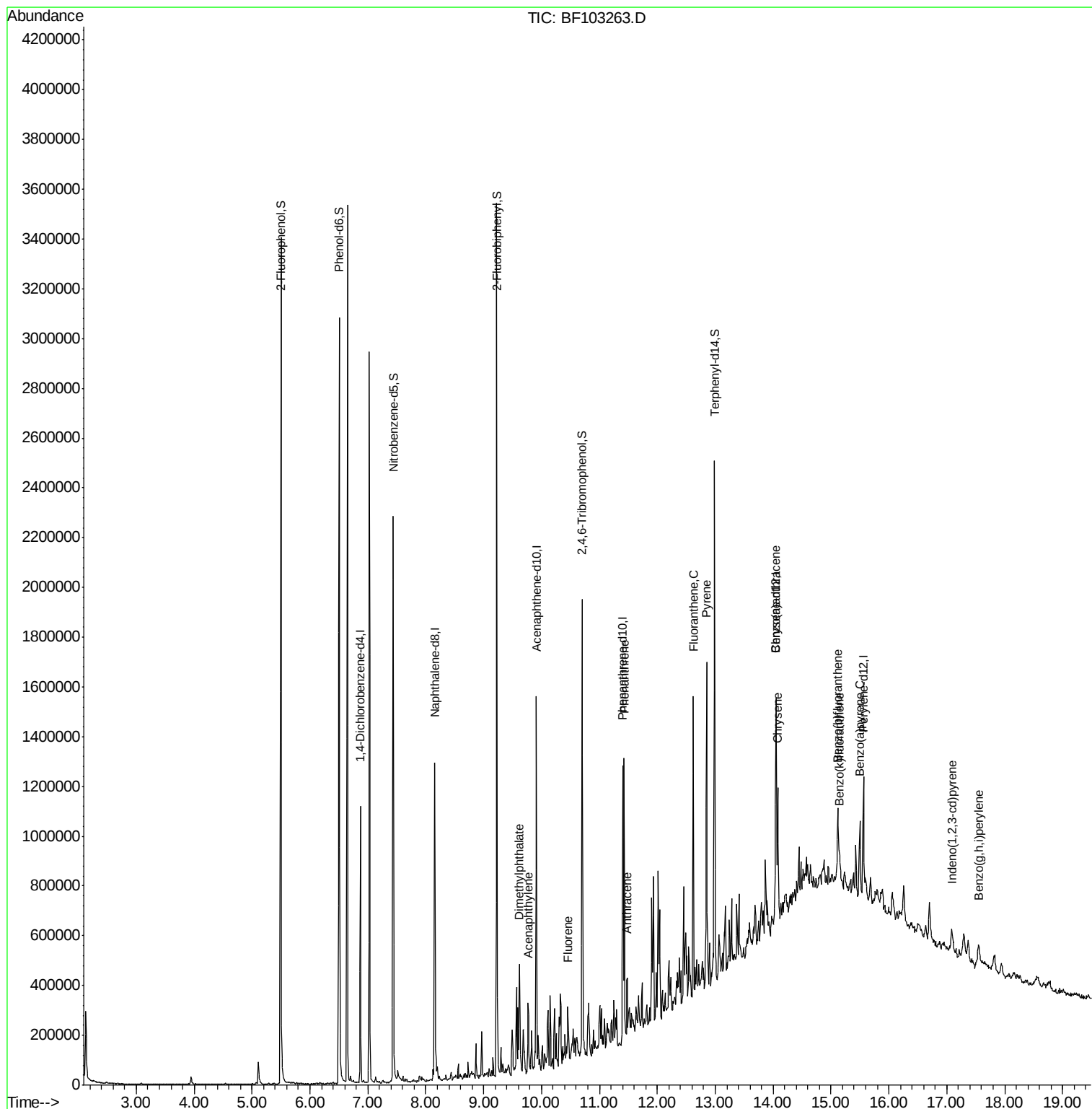
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103263.D
Acq On : 27 Feb 2018 15:22
Operator : SJ/JU
Sample : J1397-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

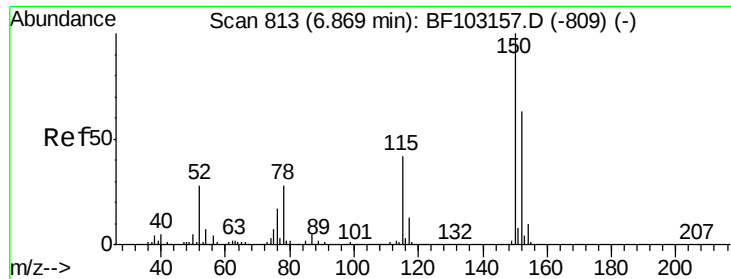
Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Manual Integrations
APPROVED

Sohil
2/28/2018 11:17:38 AM

Quant Time: Feb 27 17:19:48 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 17:05:20 2018
Response via : Initial Calibration





#1

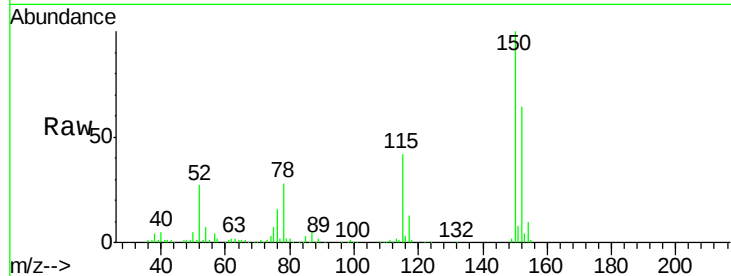
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	64.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
2/28/2018 11:17:38 AM

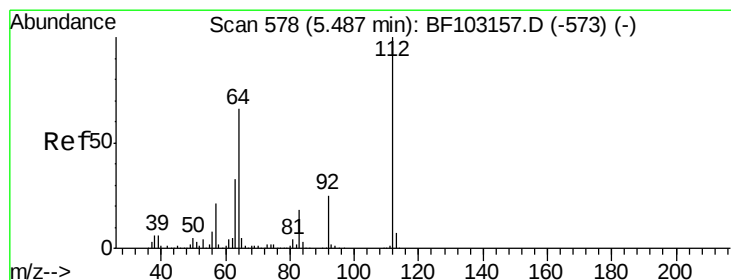
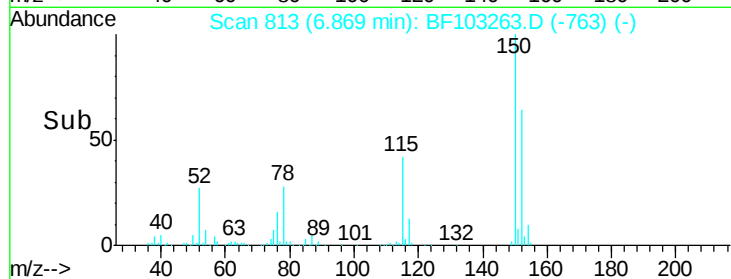
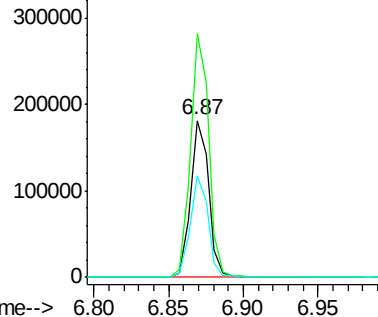


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

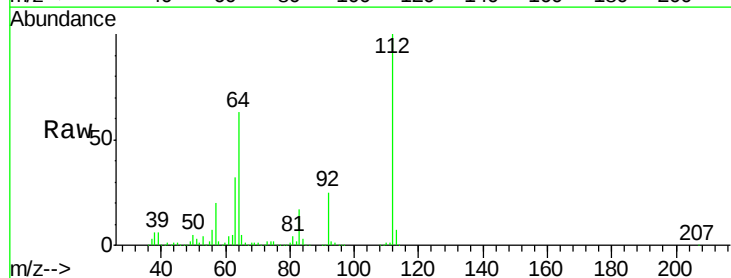
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.733 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	32.5	23.7	35.5

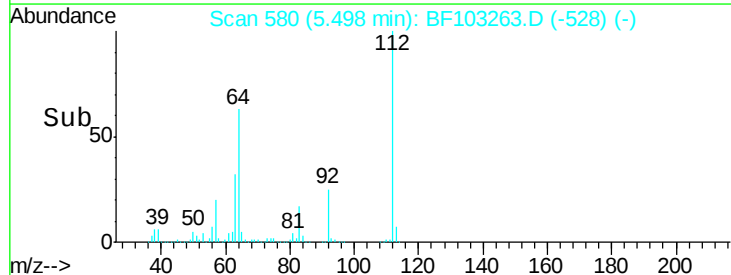
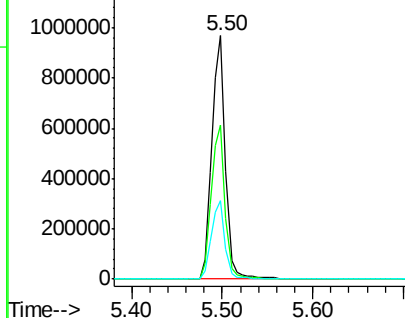


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.512 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampleId :

CL-02-022318-A

Tot Ion: 99 Resp: 1202005

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

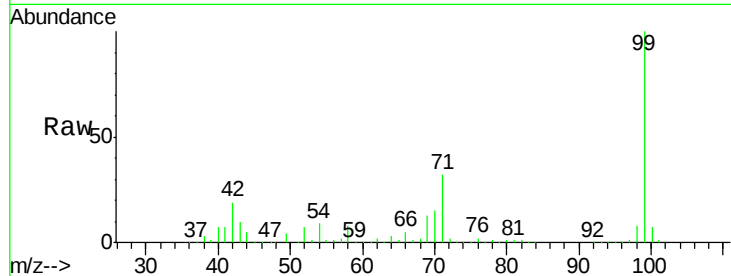
71 32.3 25.4 38.0

Manual Integrations

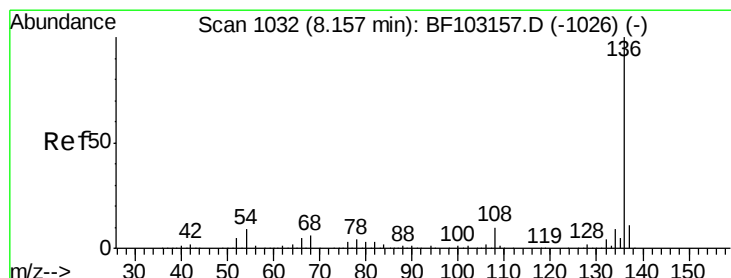
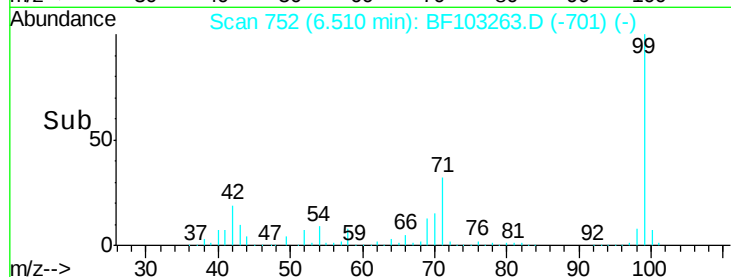
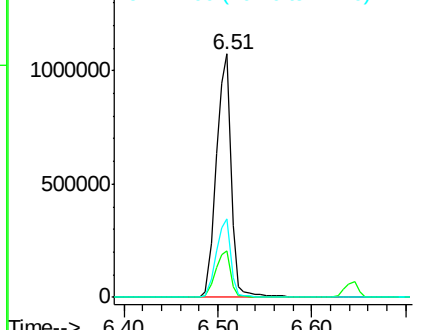
APPROVED

Sohil

2/28/2018 11:17:38 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion: 136 Resp: 635204

Ion Ratio Lower Upper

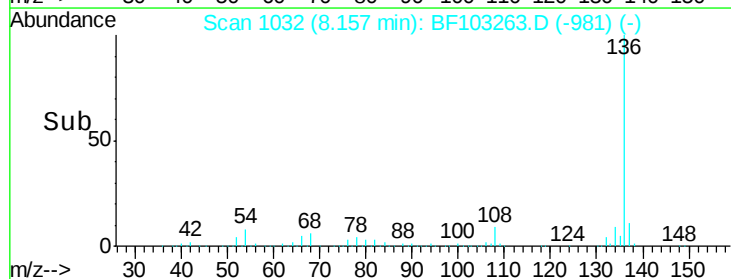
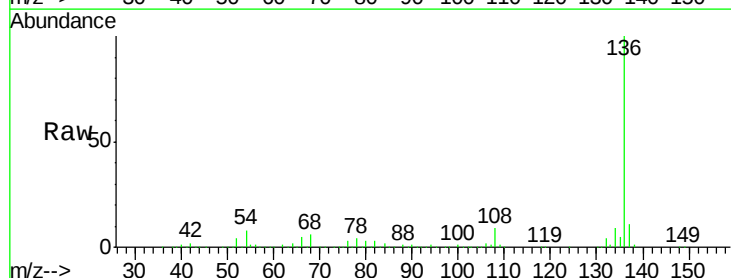
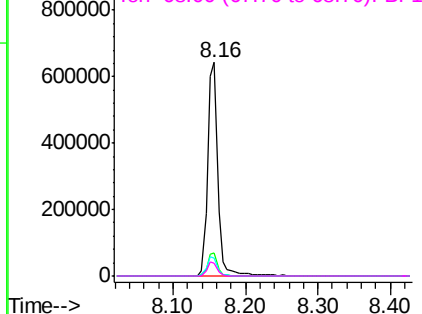
136 100

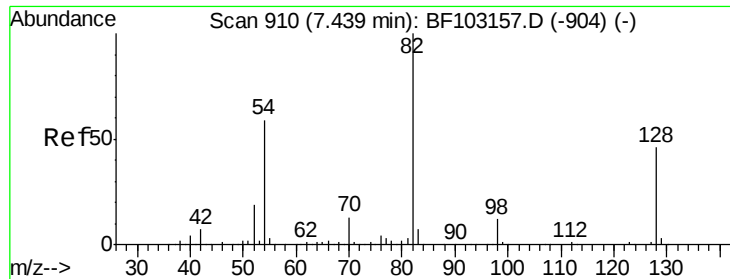
137 10.6 8.9 13.3

54 8.4 6.6 9.8

68 6.1 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





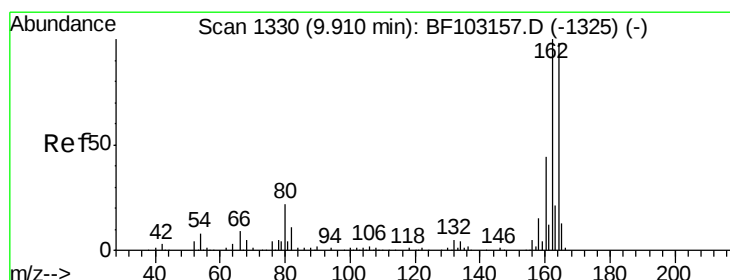
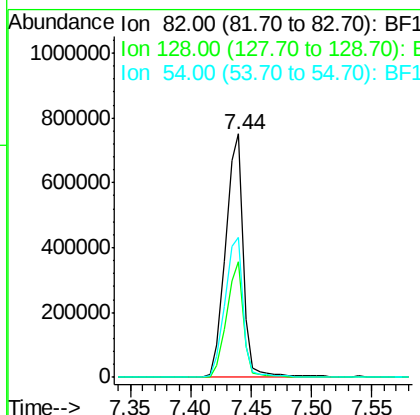
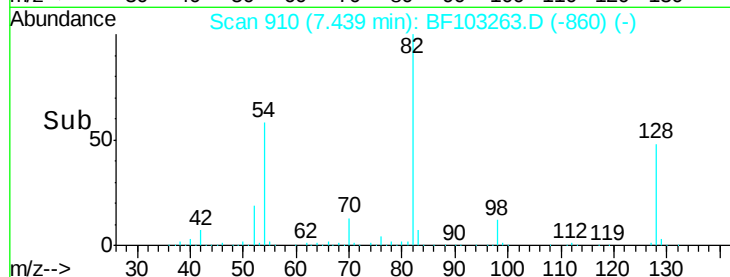
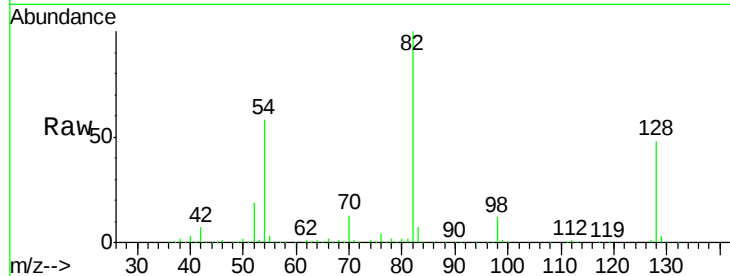
#23
 Nitrobenzene-d5
 Concen: 69.174 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Instrument :
 BNA_F
 ClientSampleID :
 CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	57.7	41.4	62.2

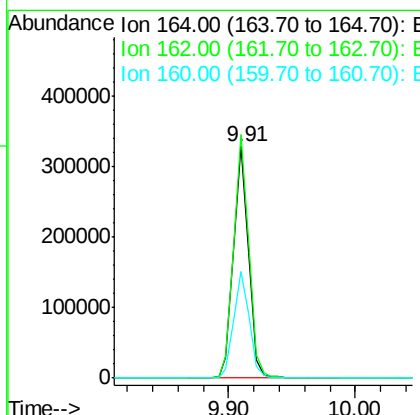
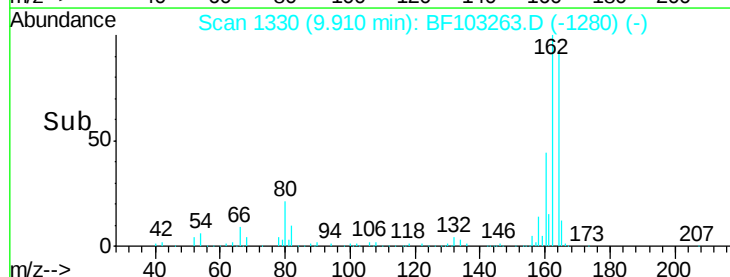
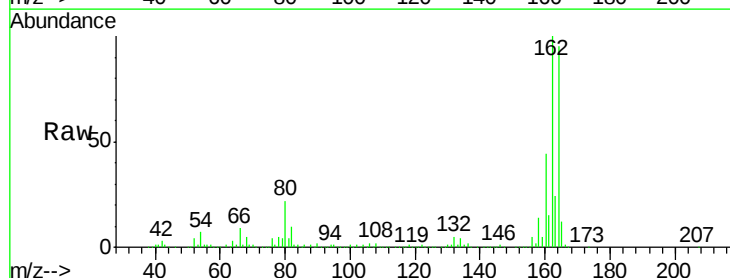
Manual Integrations
 APPROVED

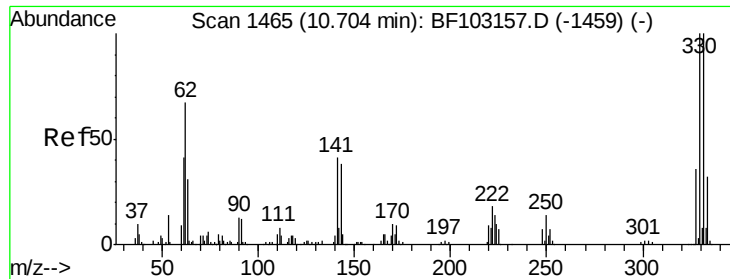
Sohil
 2/28/2018 11:17:38 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	46.1	38.3	57.5





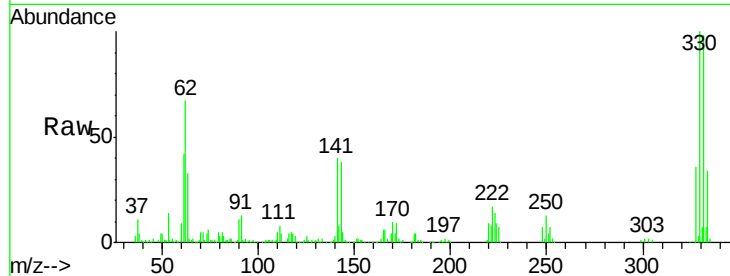
#41
 2,4,6-Tribromophenol
 Concen: 94.119 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.0	115.6
141	39.6	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:17:38 AM

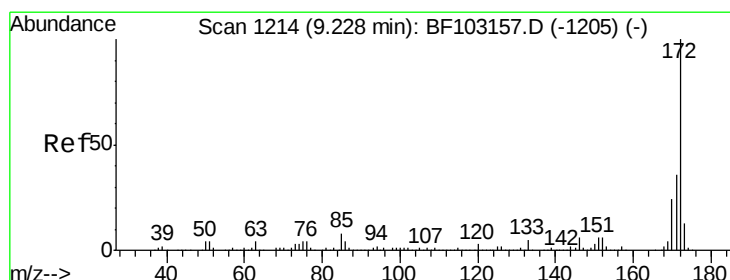
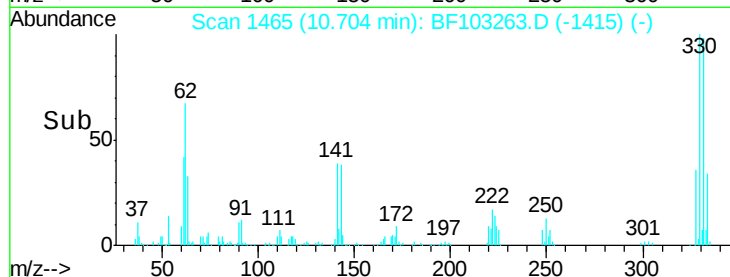
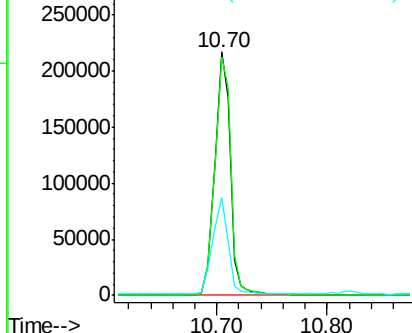


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.012 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

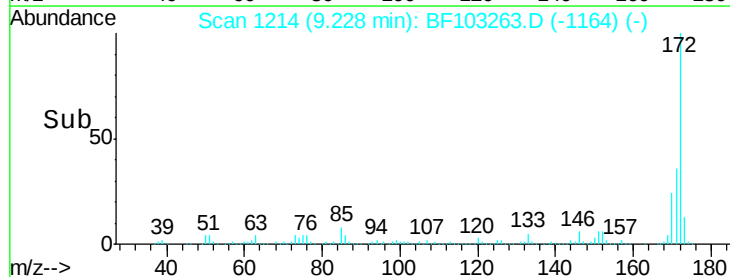
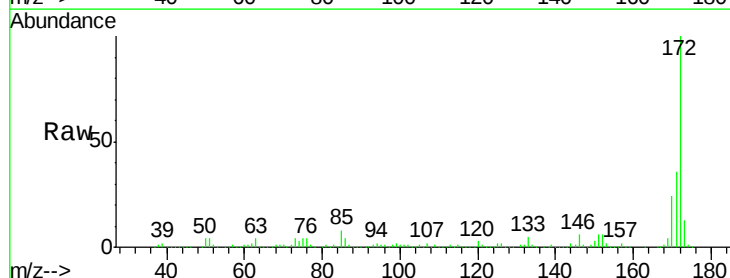
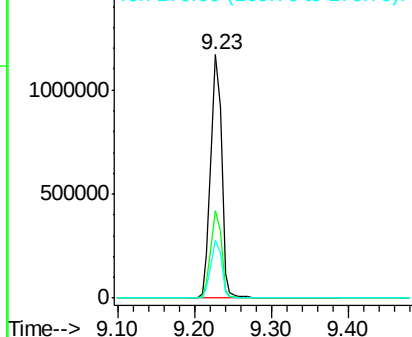
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4

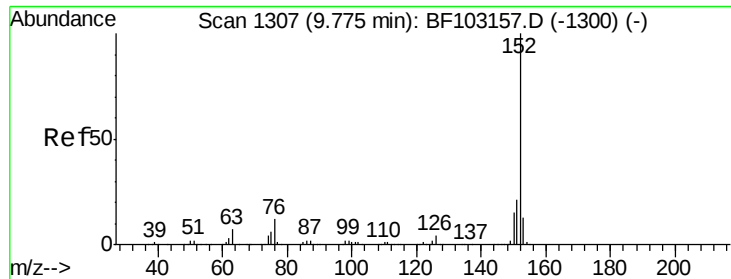
Abundance

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: 2.860 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

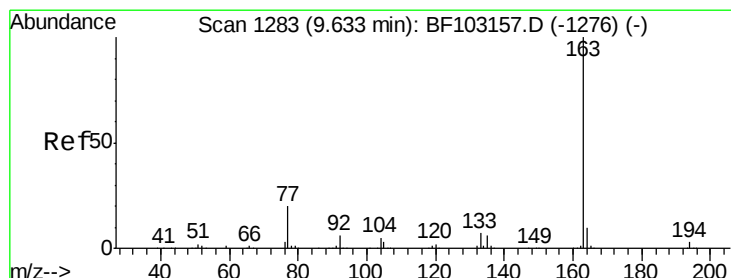
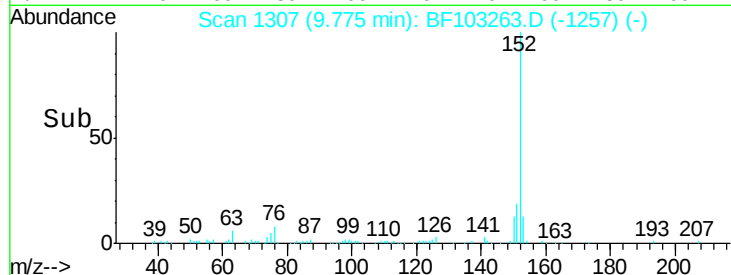
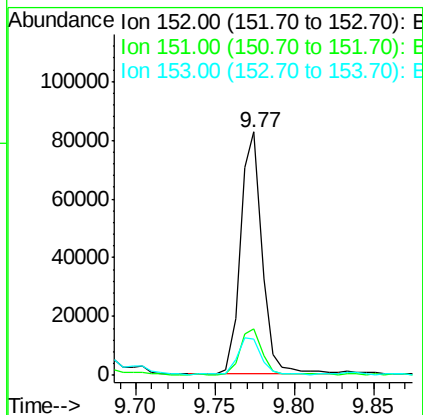
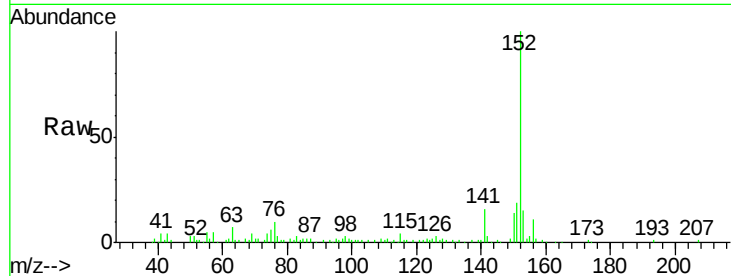
ClientSampleId :

CL-02-022318-A

Tot Ion:	152	Resp:	78043
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.3	24.5
153	15.0	10.7	16.1

Manual Integrations
APPROVED

Sohil
2/28/2018 11:17:38 AM



#49

Dimethylphthalate

Concen: 6.827 ng

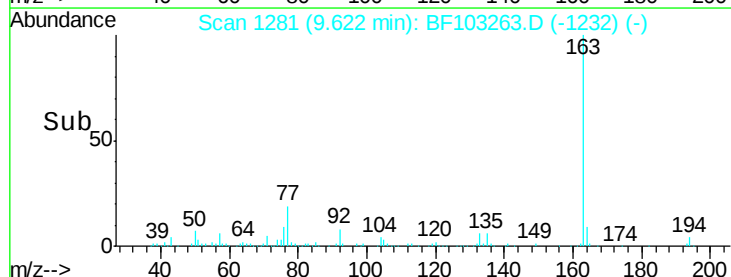
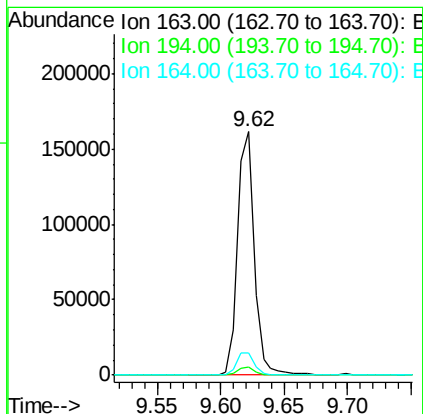
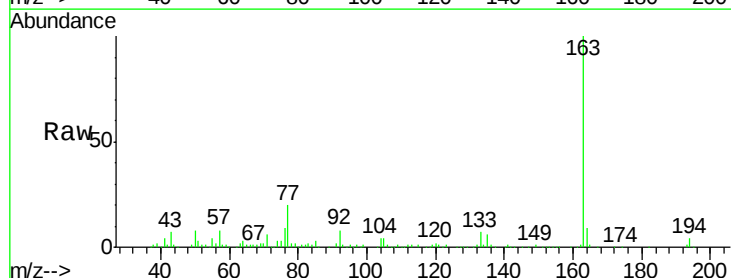
RT: 9.62 min Scan# 1281

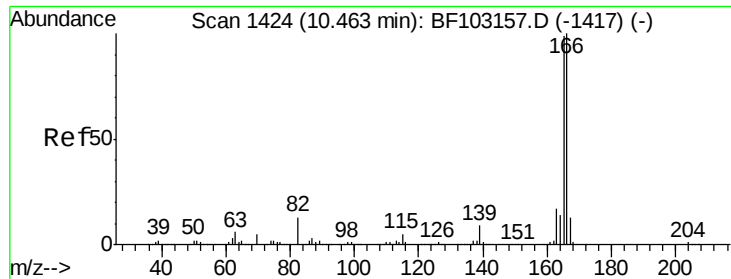
Delta R.T. -0.01 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion:	163	Resp:	146503
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.3	8.2	12.2





#57

Fluorene

Concen: 2.964 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

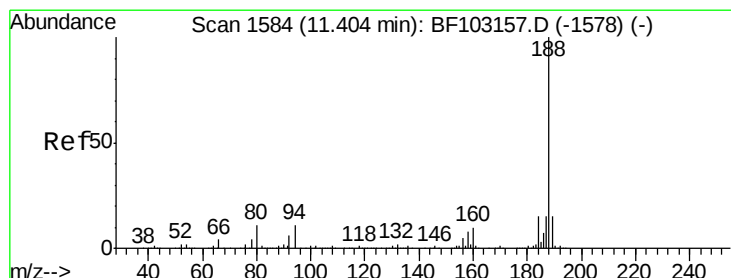
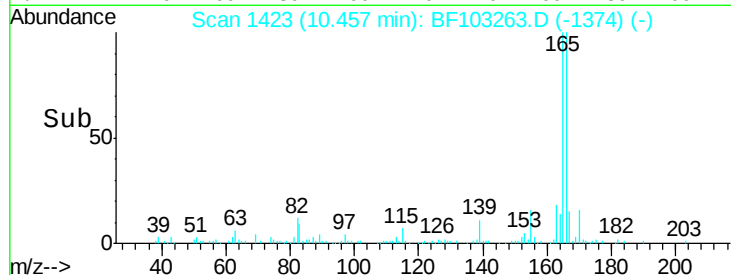
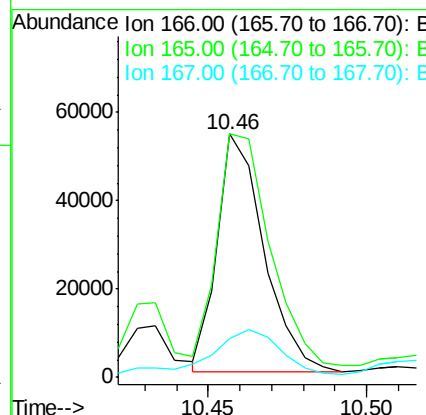
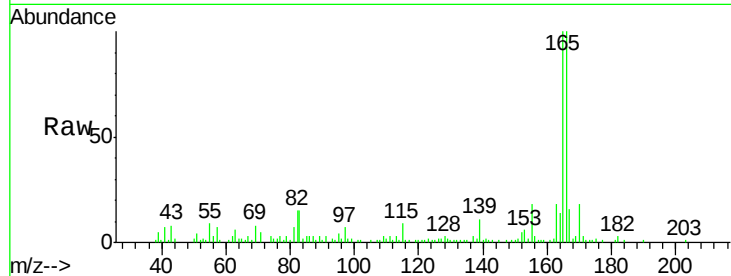
ClientSampleId :

CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	16.0	10.6	16.0

Manual Integrations
APPROVED

Sohil
2/28/2018 11:17:38 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

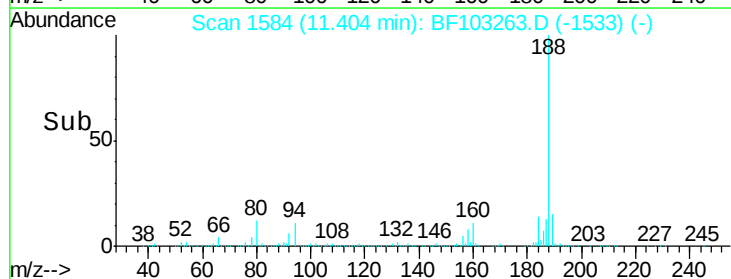
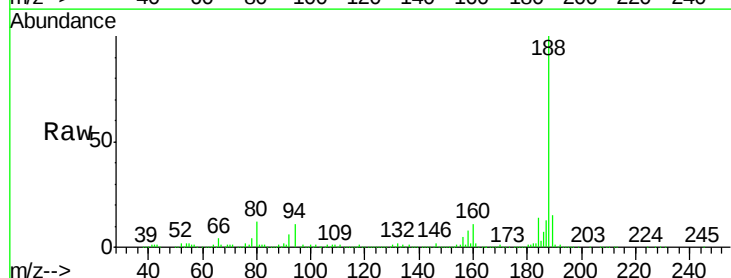
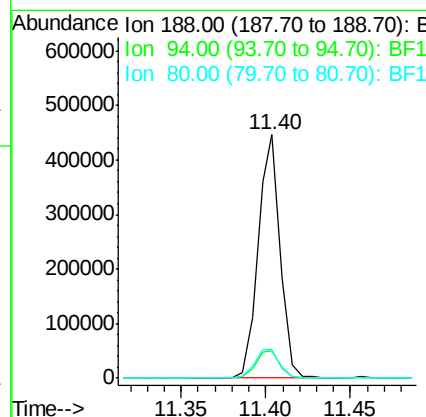
RT: 11.40 min Scan# 1584

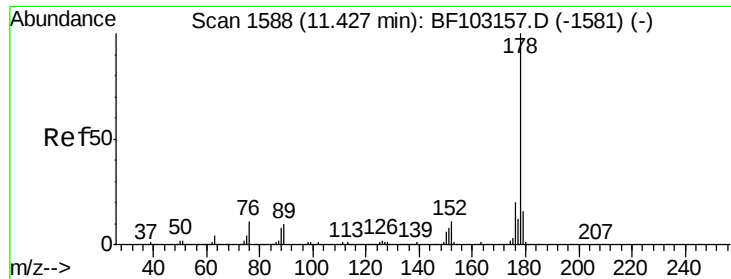
Delta R.T. -0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.8	9.2	13.8





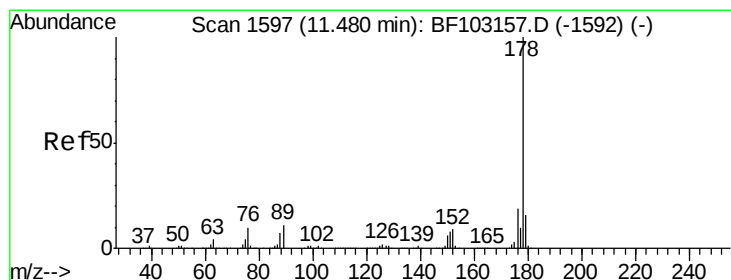
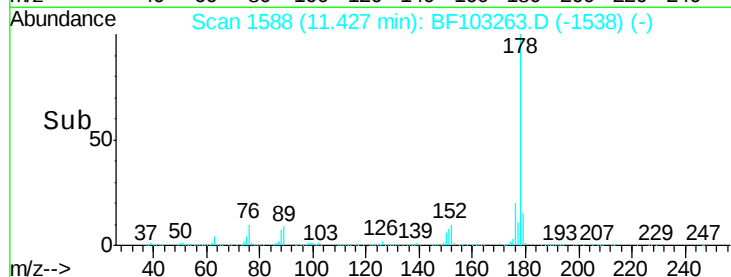
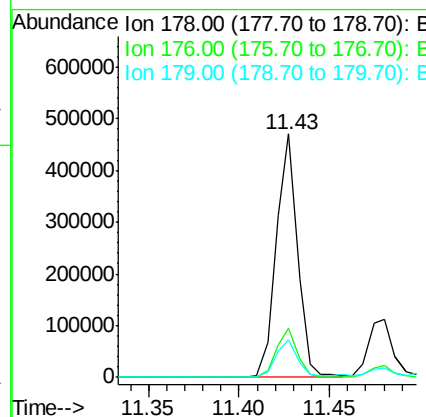
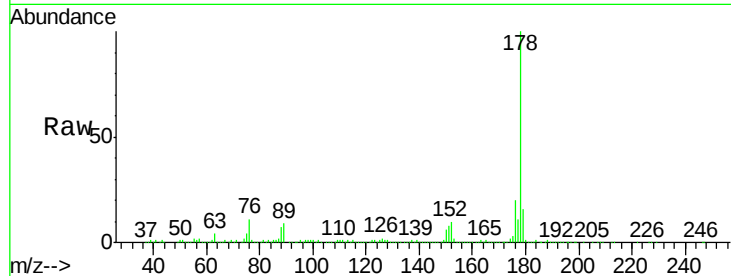
#70
Phenanthrene
Concen: 17.197 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.6	13.0	19.6

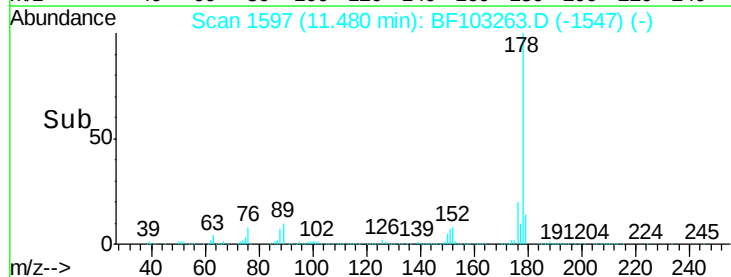
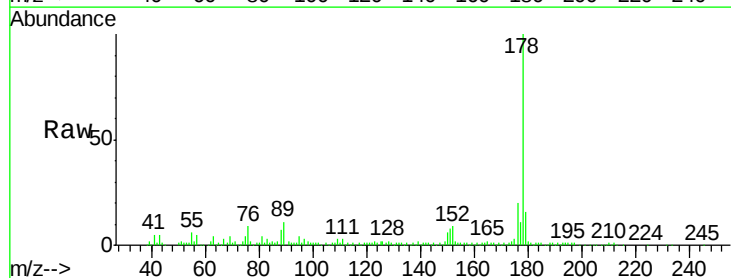
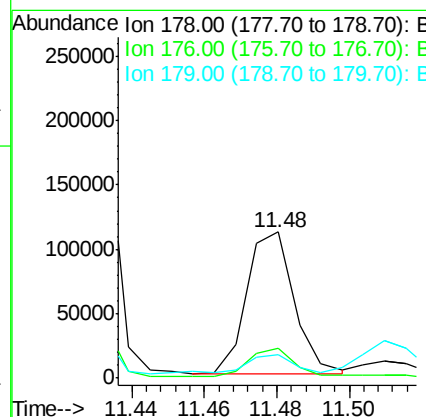
Manual Integrations
APPROVED

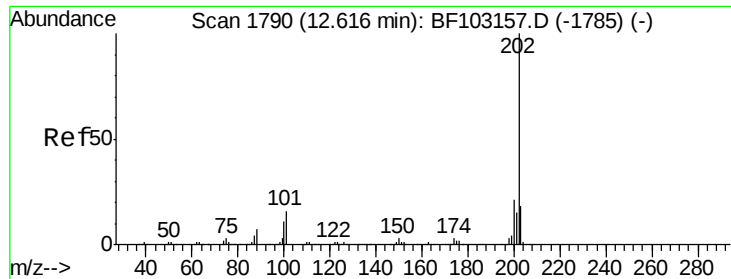
Sohil
2/28/2018 11:17:38 AM



#71
Anthracene
Concen: 4.359 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.2
179	16.2	12.6	19.0





#74

Fluoranthene

Concen: 19.182 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

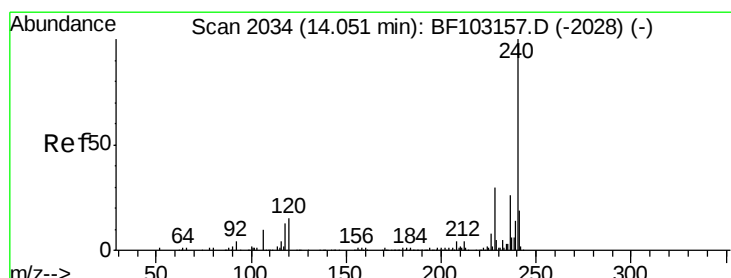
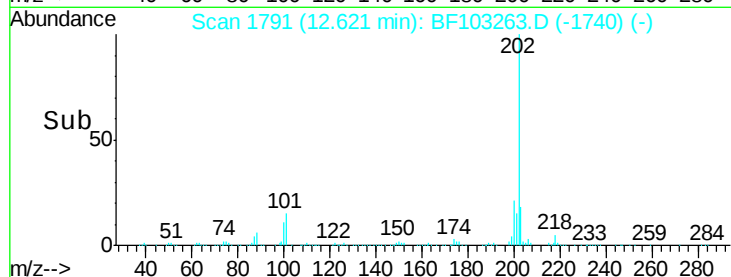
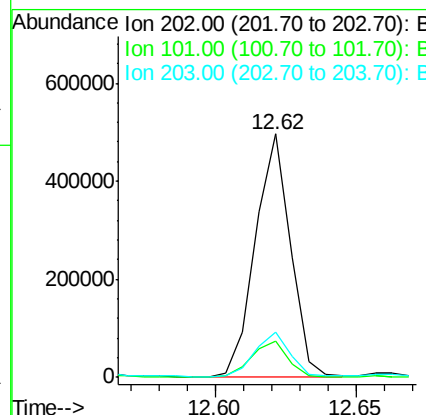
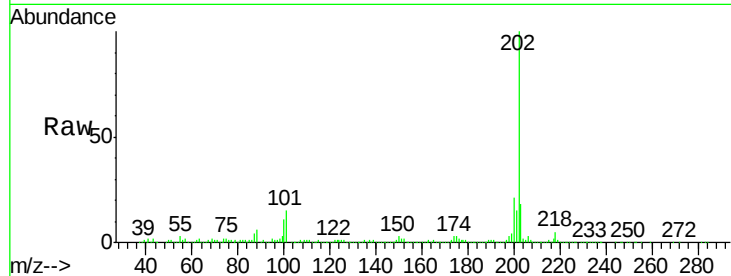
ClientSampleId :

CL-02-022318-A

Tot Ion:	202	Resp:	428627
Ion Ratio		Lower	Upper
202	100		
101	15.1	0.0	34.1
203	18.4	0.0	38.1

Manual Integrations
APPROVED

Sohil
2/28/2018 11:17:38 AM



#75

Chrysene-d12

Concen: 20.000 ng

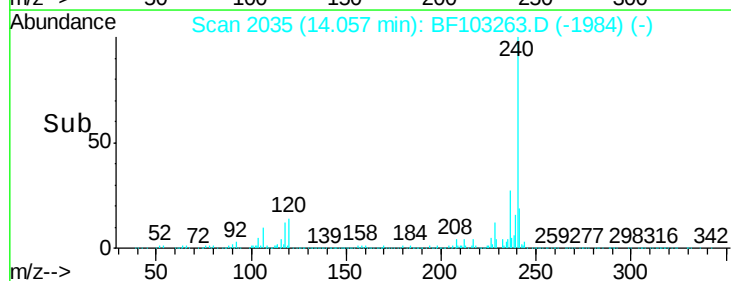
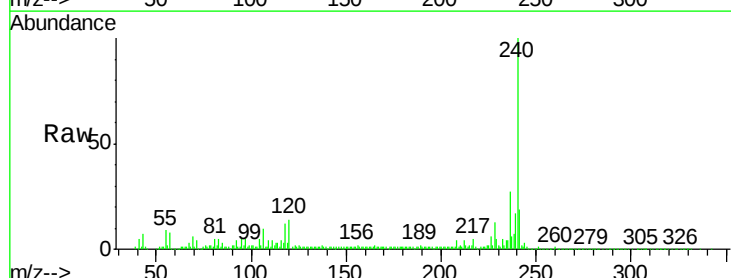
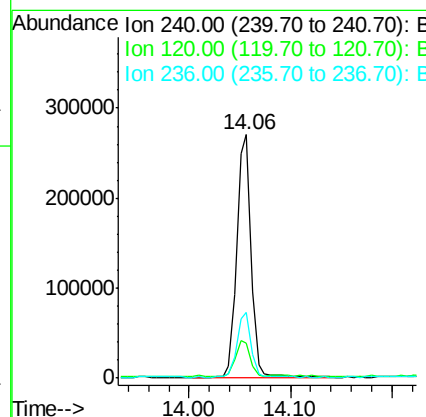
RT: 14.06 min Scan# 2035

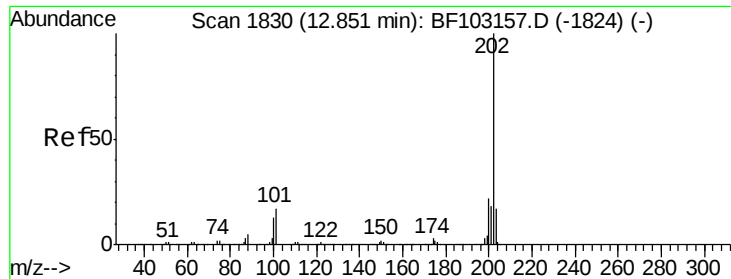
Delta R.T. -0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion:	240	Resp:	266144
Ion Ratio		Lower	Upper
240	100		
120	14.3	9.5	14.3#
236	27.2	20.7	31.1





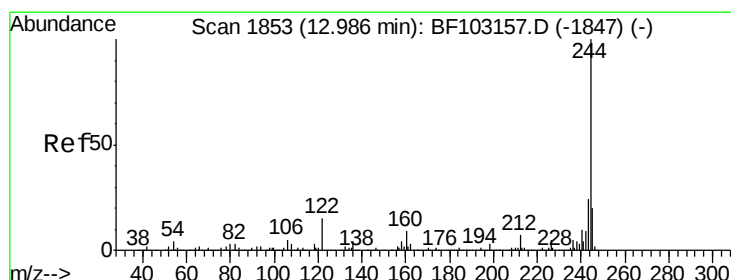
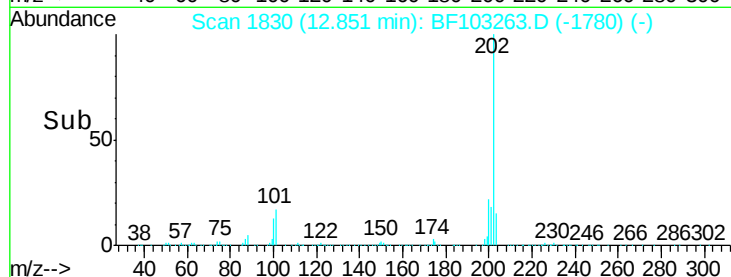
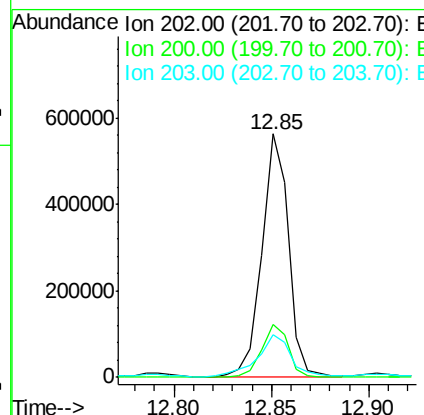
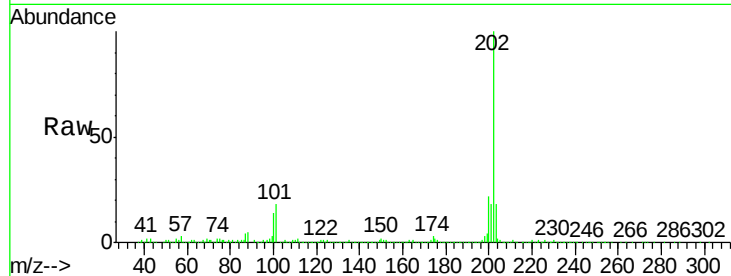
#77
Pvrene
Concen: 25.469 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5

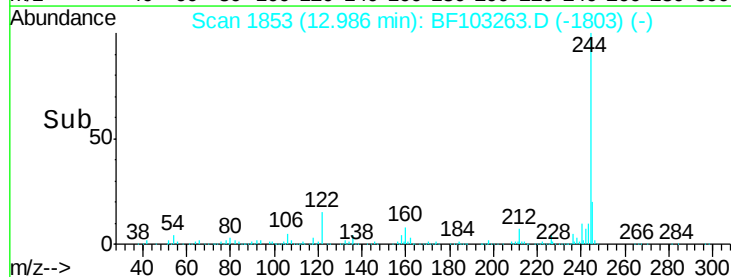
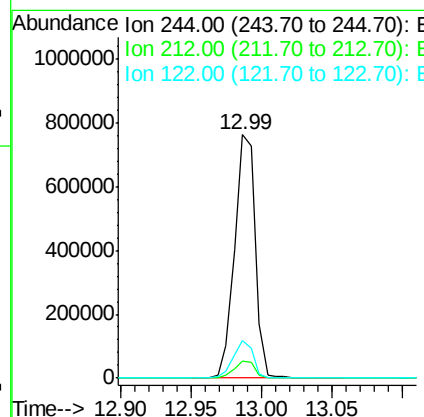
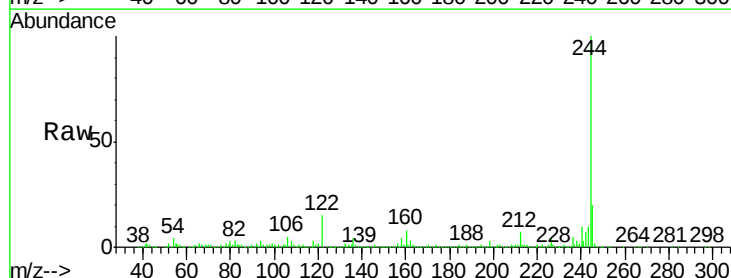
Manual Integrations
APPROVED

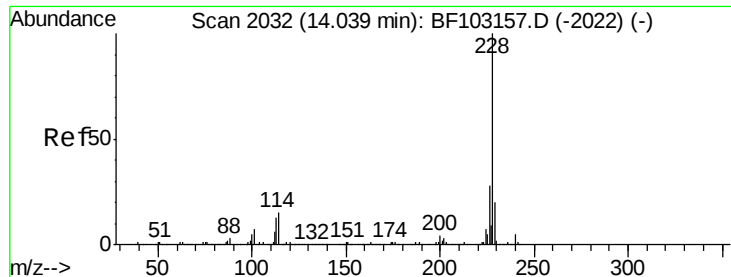
Sohil
2/28/2018 11:17:38 AM



#78
Terphenyl-d14
Concen: 70.363 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.2	11.0	16.4





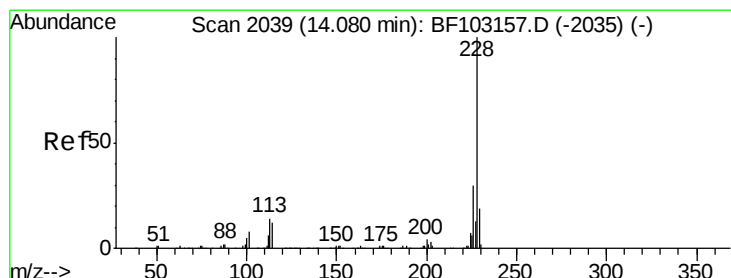
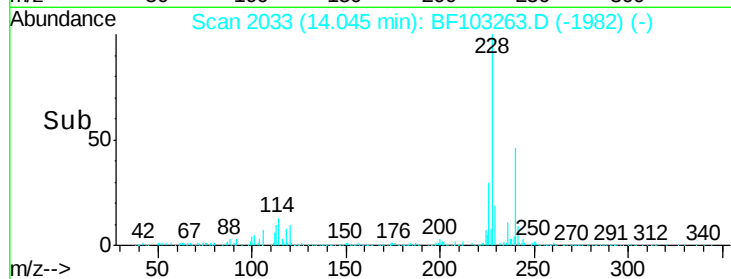
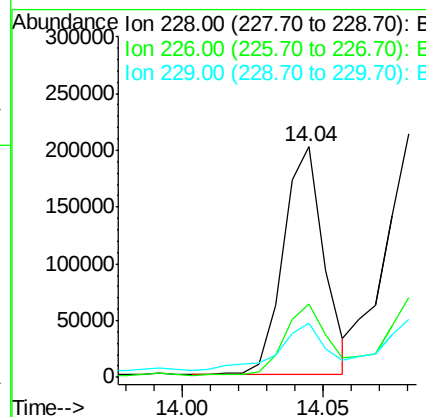
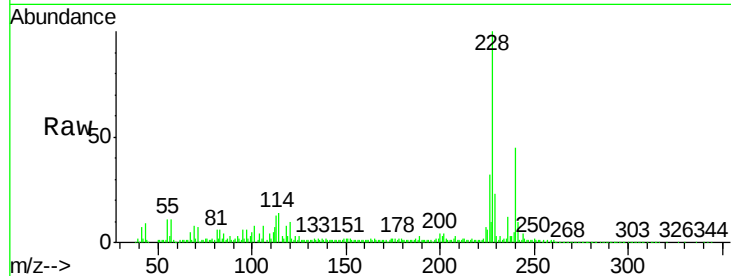
#80
Benzo(a)anthracene
Concen: 11.594 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	23.4	15.8	23.6

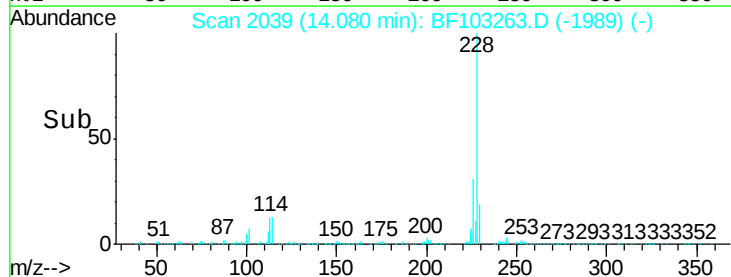
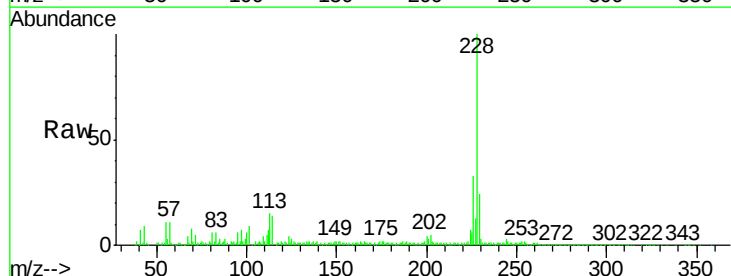
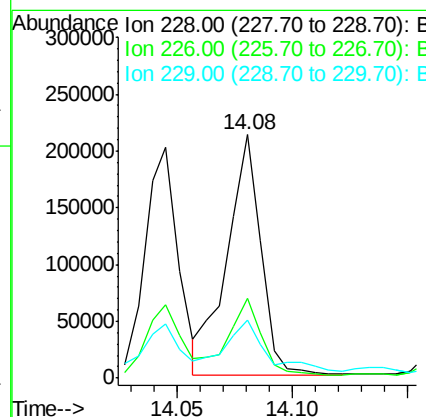
Manual Integrations
APPROVED

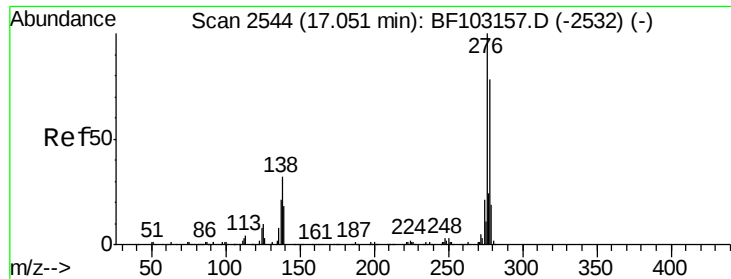
Sohil
2/28/2018 11:17:38 AM



#82
Chrysene
Concen: 12.970 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.0	37.6
229	23.7	16.2	24.4





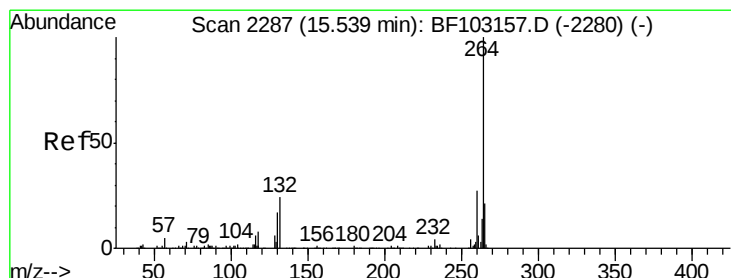
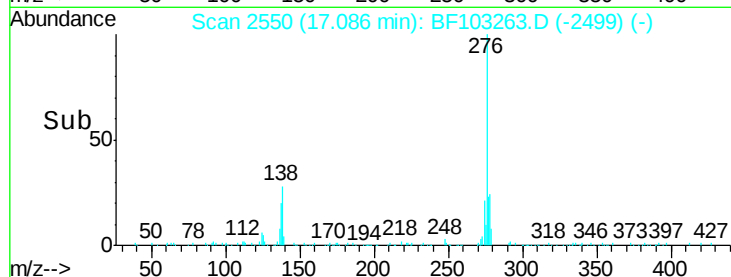
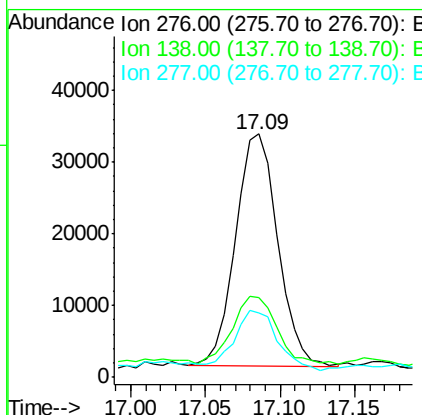
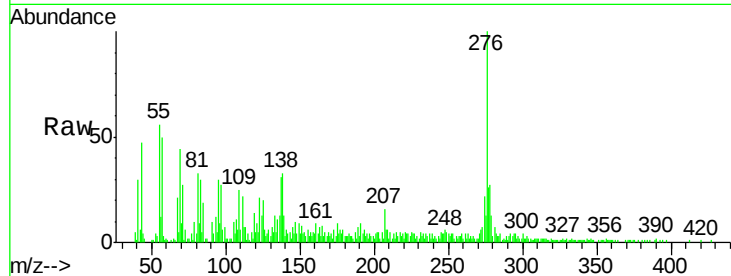
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.829 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	25.0	37.6
277	25.9	20.1	30.1

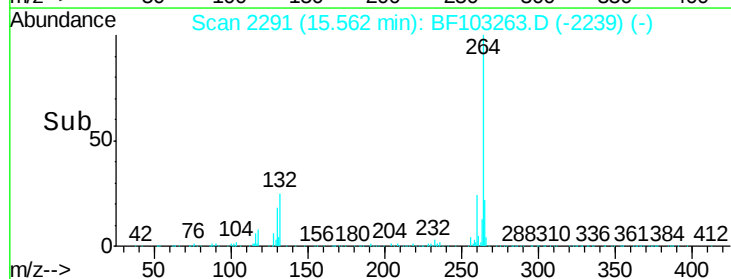
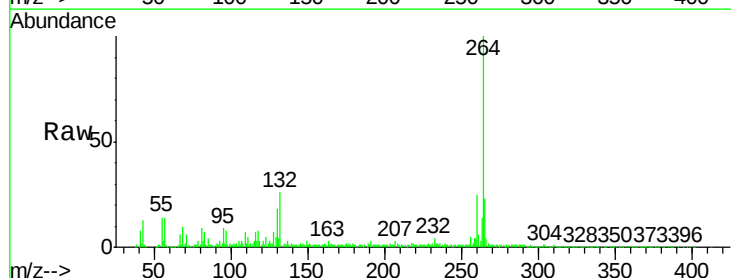
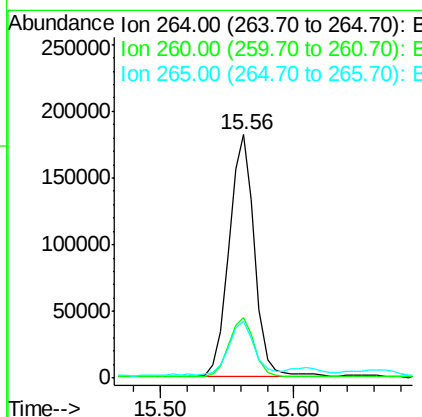
Manual Integrations
APPROVED

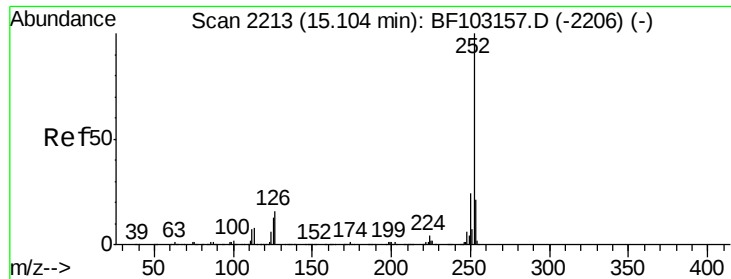
Sohil
2/28/2018 11:17:38 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.0	17.5	26.3





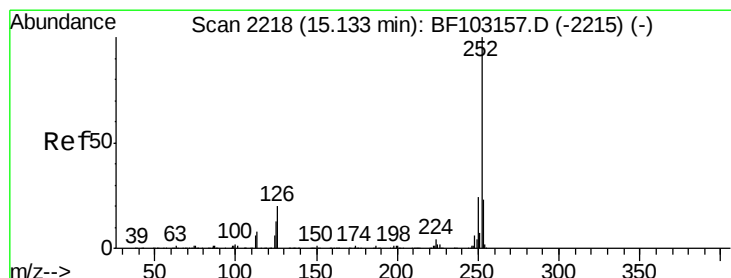
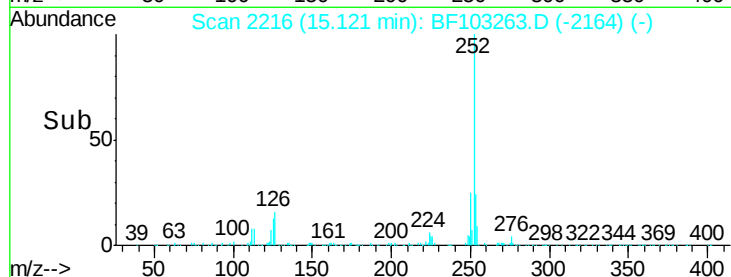
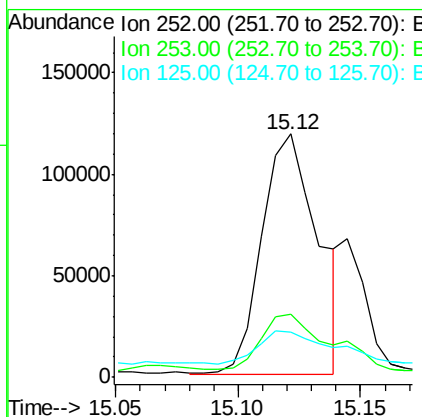
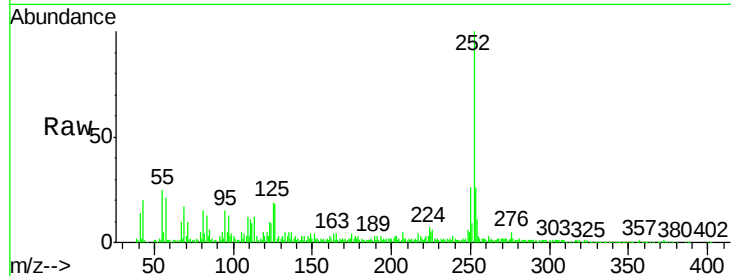
#87
Benzo(b)fluoranthene
Concen: 11.915 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :
CL-02-022318-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	18.8	9.0	13.6#

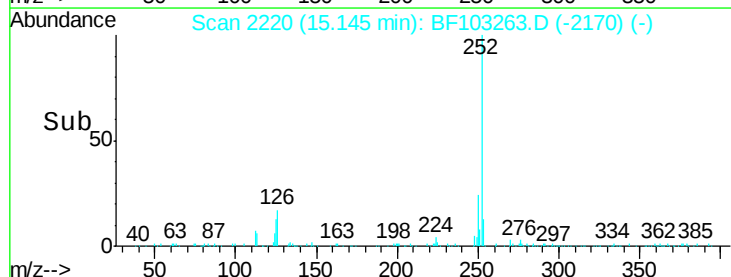
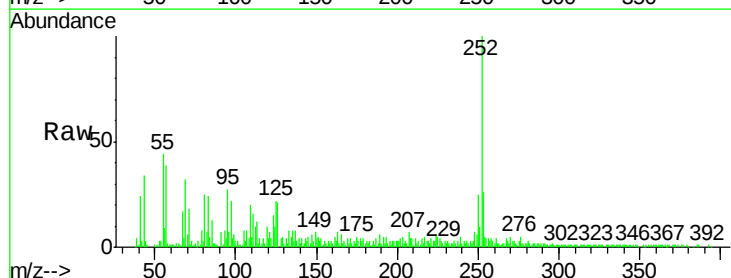
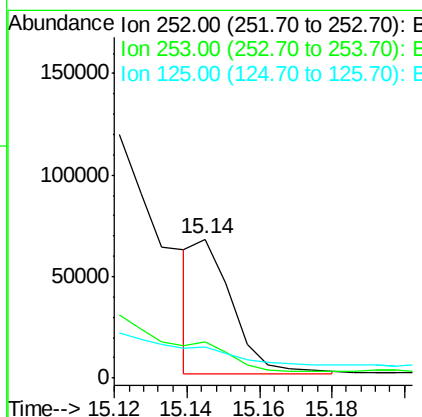
Manual Integrations
APPROVED

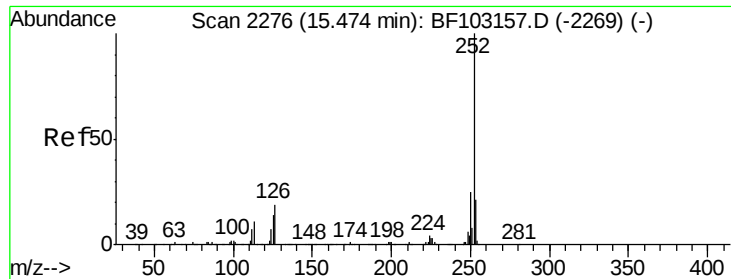
Sohil
2/28/2018 11:17:38 AM



#88
Benzo(k)fluoranthene
Concen: 3.205 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	22.4	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 10.001 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

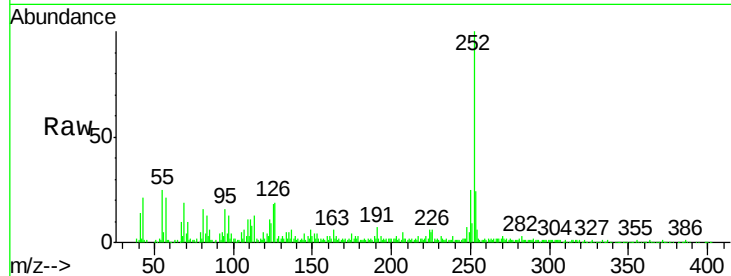
ClientSampleId :

CL-02-022318-A

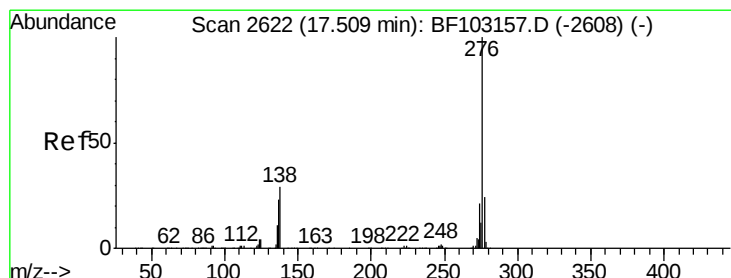
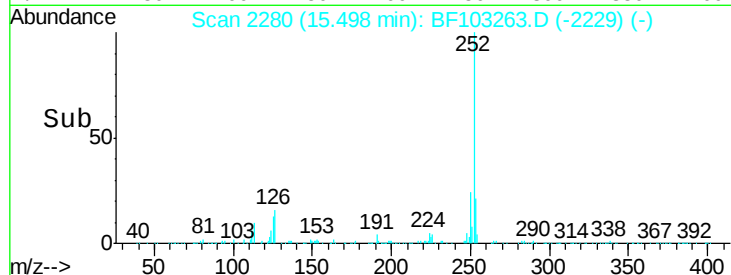
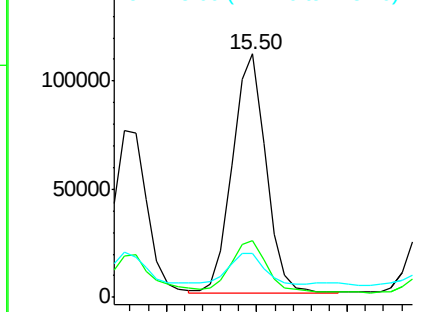
Tot Ion:	252	Resp:	142313
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	18.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
2/28/2018 11:17:38 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.303 ng

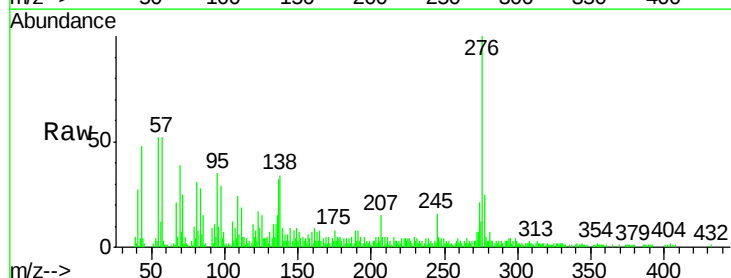
RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion:	276	Resp:	67735
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	34.1	21.8	32.8



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

