

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103452.D
 Acq On : 6 Mar 2018 13:37
 Operator : SJ/JU
 Sample : J1723-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-45

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:14:49 PM

Quant Time: Mar 06 14:59:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	120103	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	505393	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	212064	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	323301	20.00	ng	0.00
75) Chrysene-d12	14.07	240	212234	20.00	ng	0.00
86) Perylene-d12	15.58	264	179788	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	783894	98.71	ng	0.00
7) Phenol-d6	6.51	99	956007	98.38	ng	0.00
23) Nitrobenzene-d5	7.44	82	586000	66.22	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	126209	70.31	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	813847	61.87	ng	0.00
78) Terphenyl-d14	12.99	244	517291	58.59	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.95	154	26720	2.118	ng	98
57) Fluorene	10.46	166	31213	2.116	ng	99
70) Phenanthrene	11.43	178	282762	15.892	ng	98
71) Anthracene	11.49	178	96796	5.305	ng	99
72) Carbazole	11.65	167	37265	2.051	ng	94
74) Fluoranthene	12.63	202	385016	21.534	ng	98
77) Pyrene	12.86	202	382113	23.092	ng	99
80) Benzo(a)anthracene	14.06	228	184562	13.403	ng	99
82) Chrysene	14.09	228	173881	13.005	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	58350	5.512	ng	96
87) Benzo(b)fluoranthene	15.13	252	182309m	15.423	ng	
88) Benzo(k)fluoranthene	15.16	252	68013m	6.110	ng	
89) Benzo(a)pyrene	15.52	252	123256	11.676	ng	# 93
91) Benzo(a,h,i)perylene	17.60	276	56568	7.096	ng	93

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

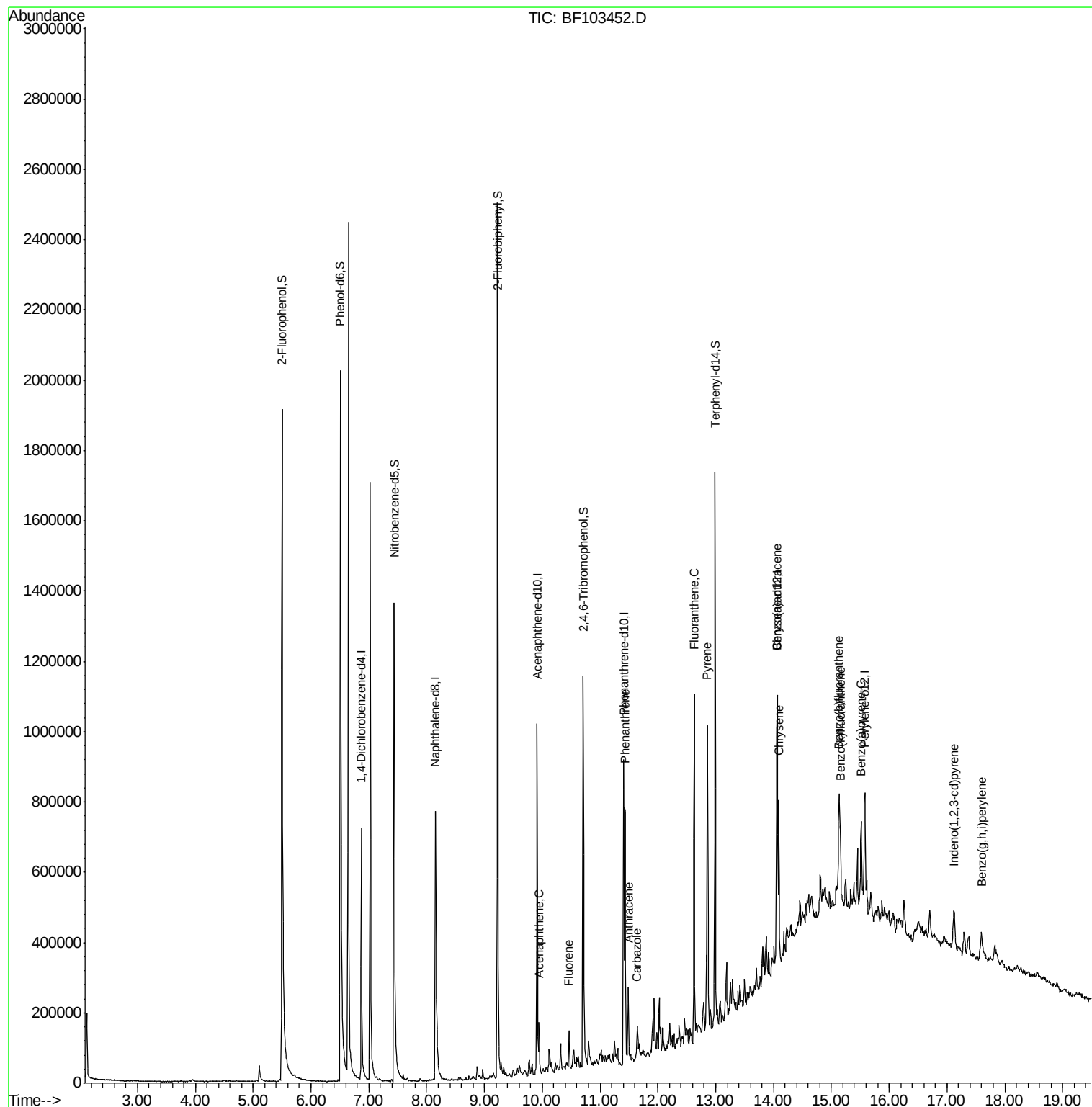
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103452.D
Acq On : 6 Mar 2018 13:37
Operator : SJ/JU
Sample : J1723-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

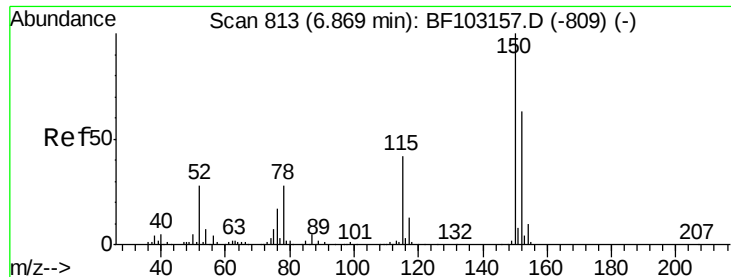
Instrument :
BNA_F
ClientSampleId :
SP-45

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM

Quant Time: Mar 06 14:59:58 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 11:52:59 2018
Response via : Initial Calibration





#1

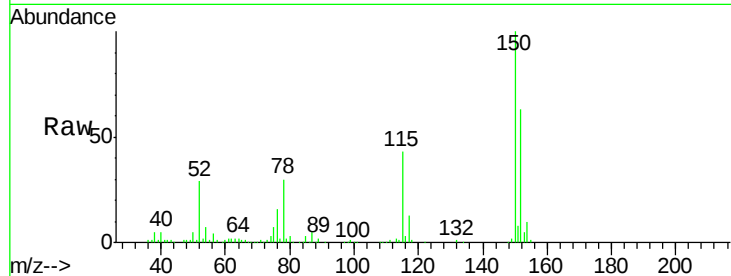
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampled :
SP-45

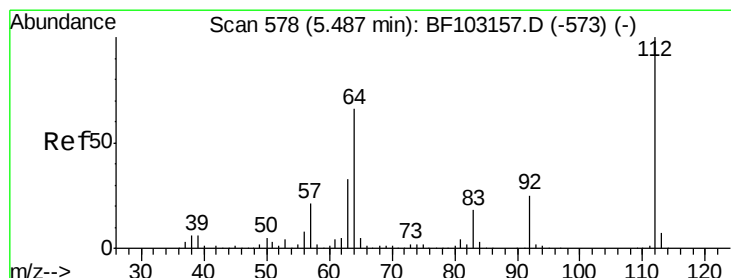
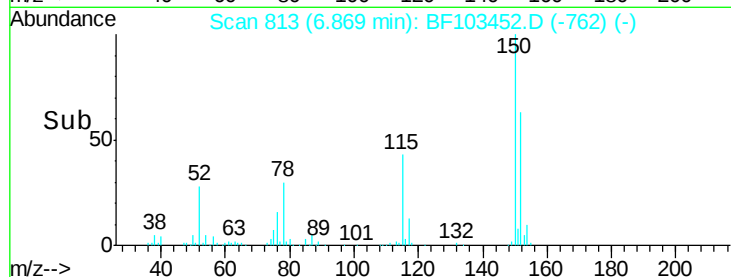
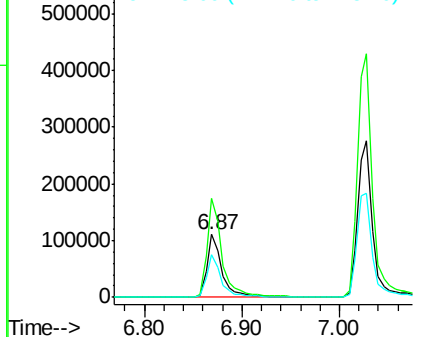
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	68.1	50.1	75.1

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM



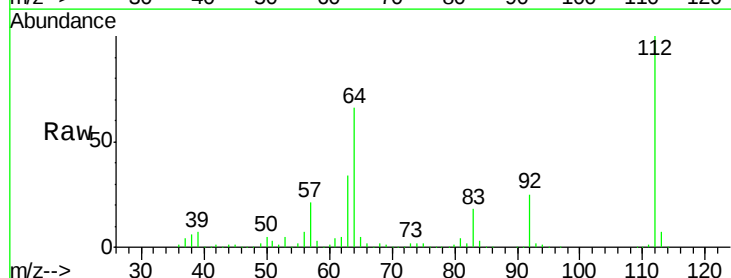
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



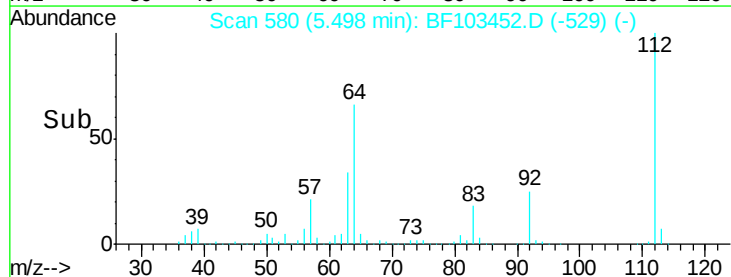
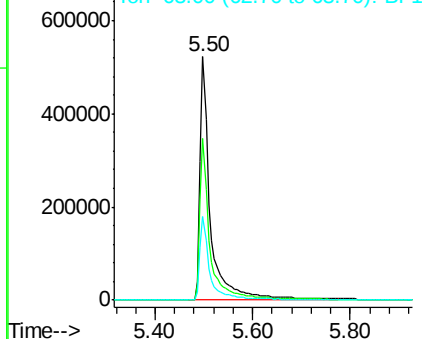
#5

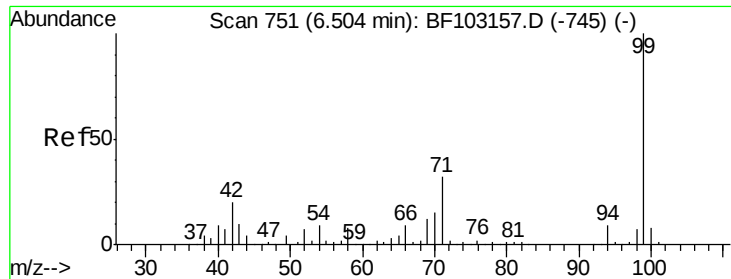
2-Fluorophenol
Concen: 98.714 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.3	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: 98.384 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Instrument :

BNA_F

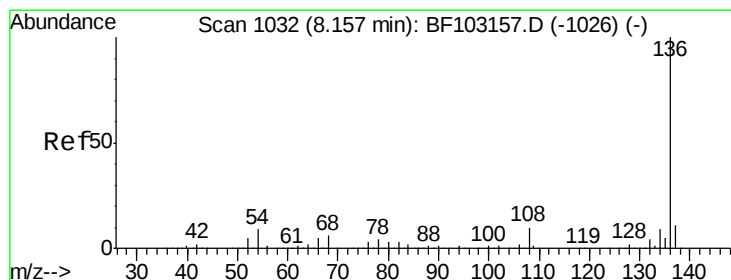
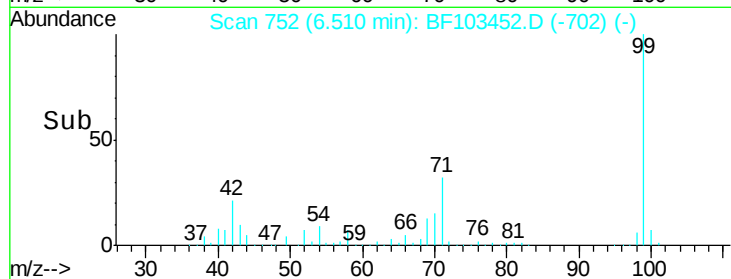
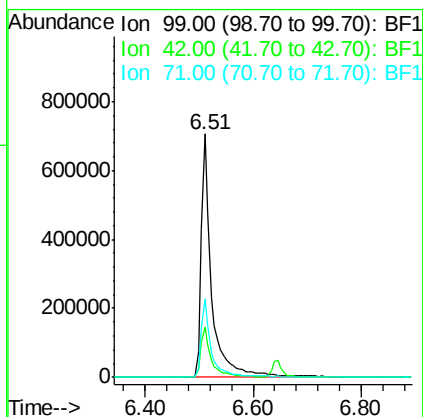
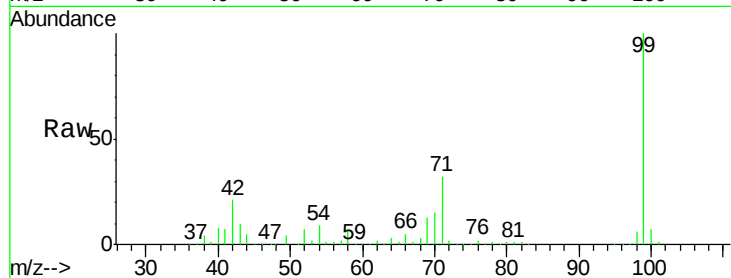
ClientSampled :

SP-45

Tot Ion:	99	Resp:	956007
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	32.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM



#21

Naphthalene-d8

Concen: 20.000 ng

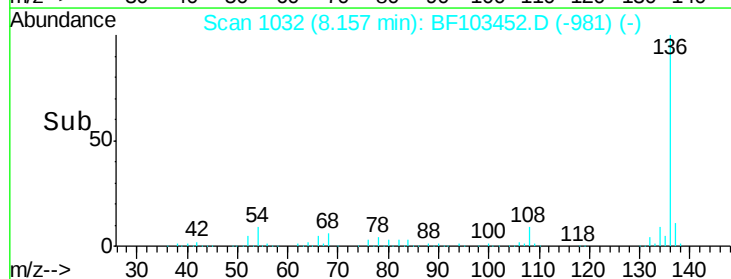
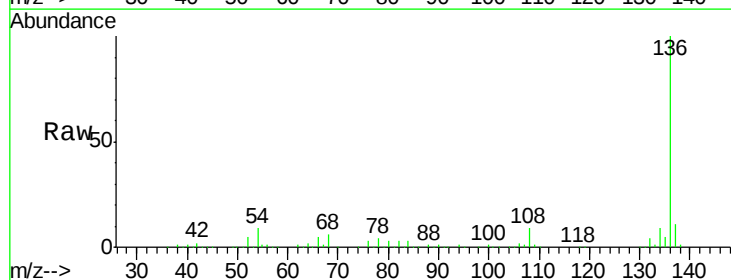
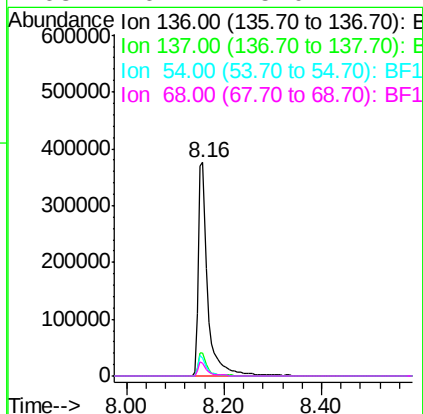
RT: 8.16 min Scan# 1032

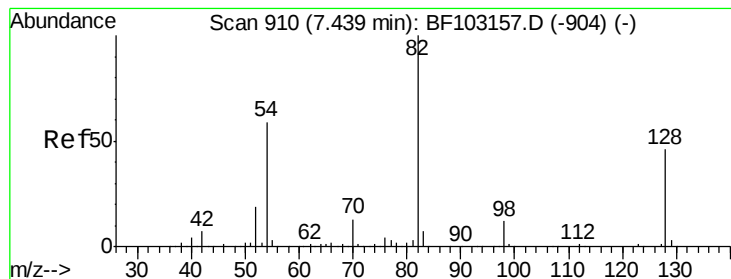
Delta R.T. 0.00 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Tgt Ion:	136	Resp:	505393
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.6	6.6	9.8
68	6.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 66.217 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Instrument :

BNA_F

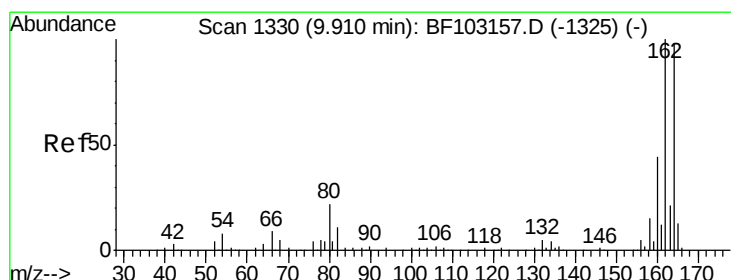
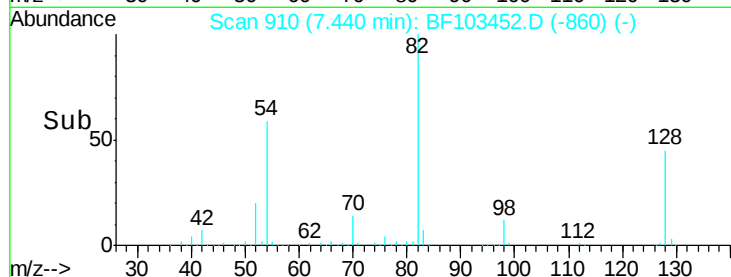
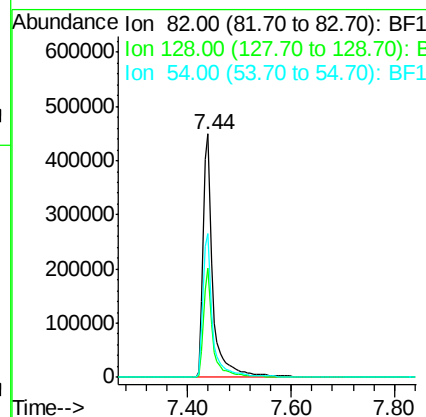
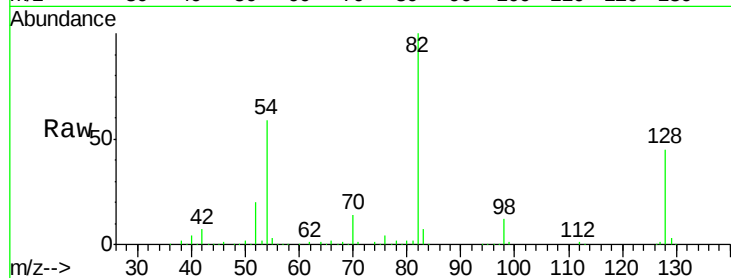
ClientSampled :

SP-45

Tot Ion:	82	Resp:	586000
Ion Ratio	Lower	Upper	
82	100		
128	44.9	36.1	54.1
54	58.9	41.4	62.2

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

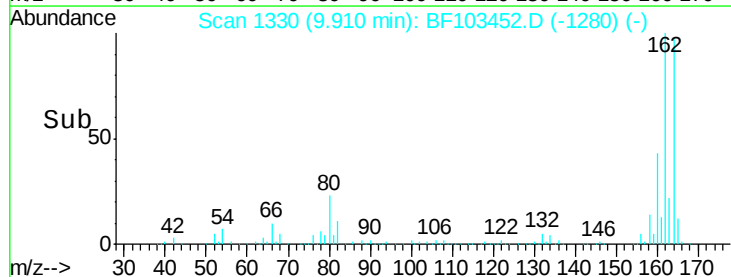
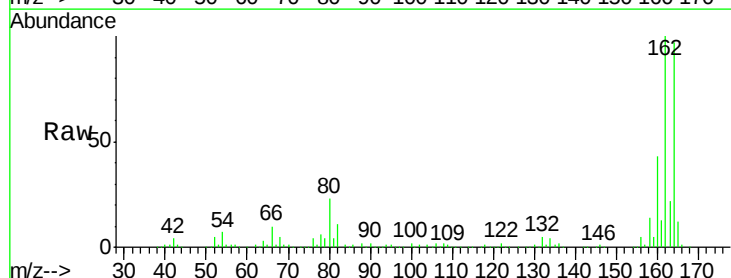
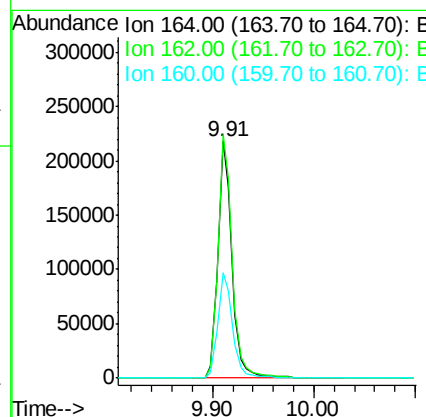
RT: 9.91 min Scan# 1330

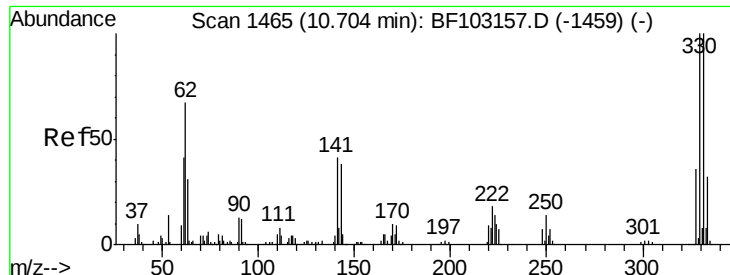
Delta R.T. -0.01 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Tgt Ion:	164	Resp:	212064
Ion Ratio	Lower	Upper	
164	100		
162	102.8	86.1	129.1
160	44.5	38.3	57.5





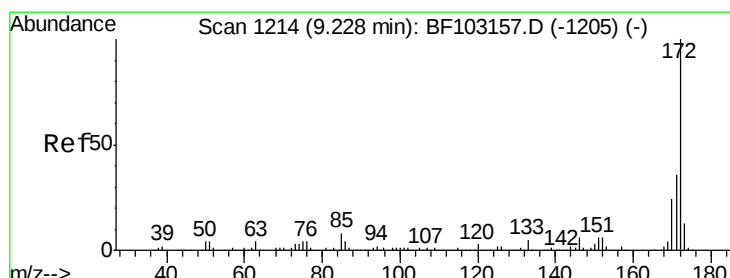
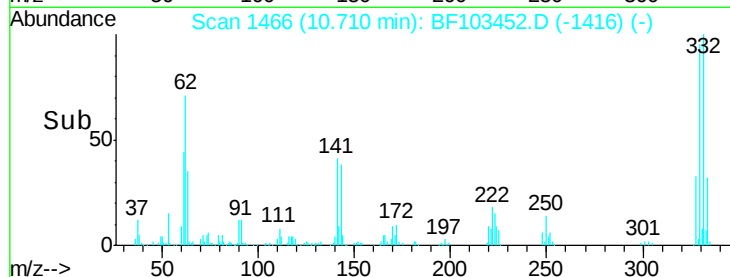
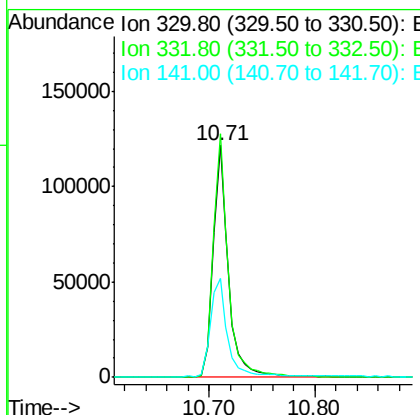
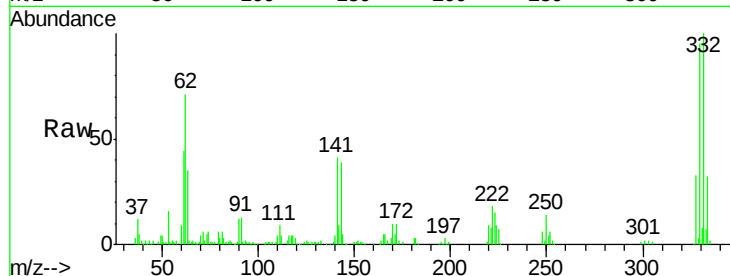
#41
 2,4,6-Tribromophenol
 Concen: 70.311 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103452.D
 Acq: 6 Mar 2018 13:37

Instrument :
 BNA_F
 ClientSampled :
 SP-45

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.4	77.0	115.6	
141	46.3	29.9	44.9	

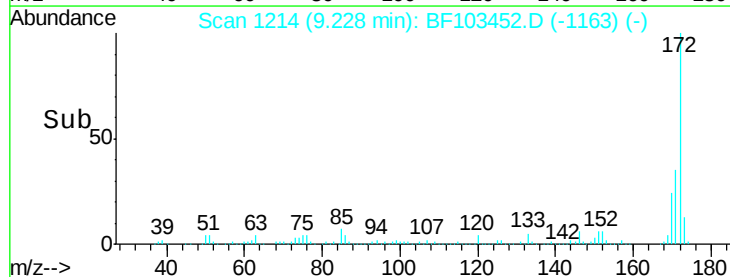
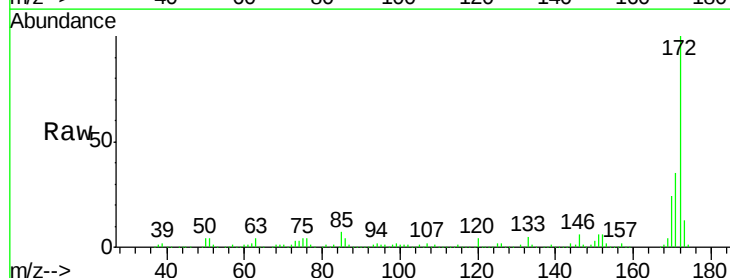
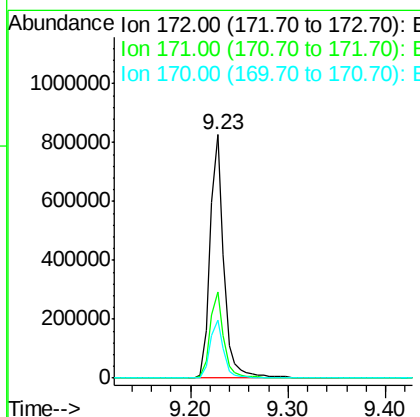
Manual Integrations
 APPROVED

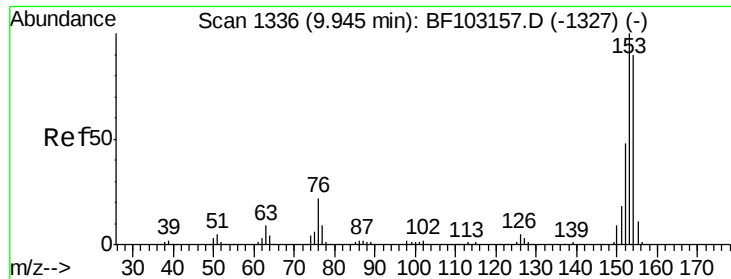
Sohil
 3/7/2018 12:14:49 PM



#44
 2-Fluorobiphenyl
 Concen: 61.874 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103452.D
 Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.7	44.5	
170	23.8	19.6	29.4	





#51

Acenaphthene

Concen: 2.118 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Instrument :

BNA_F

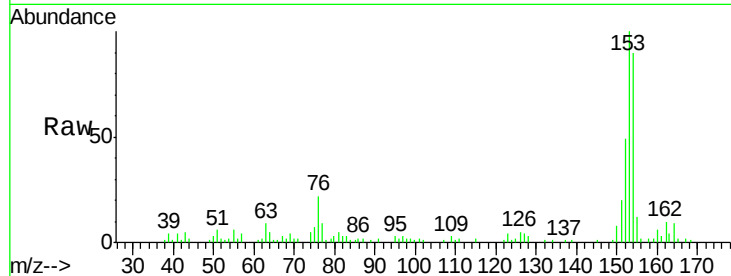
ClientSampleId :

SP-45

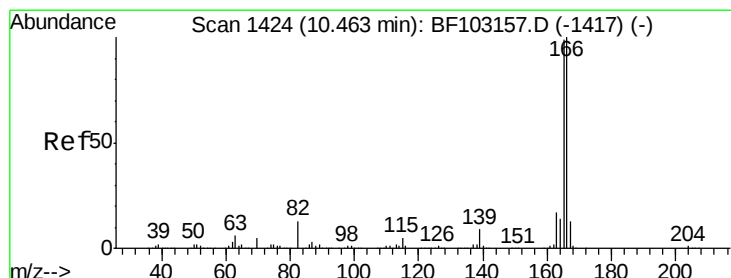
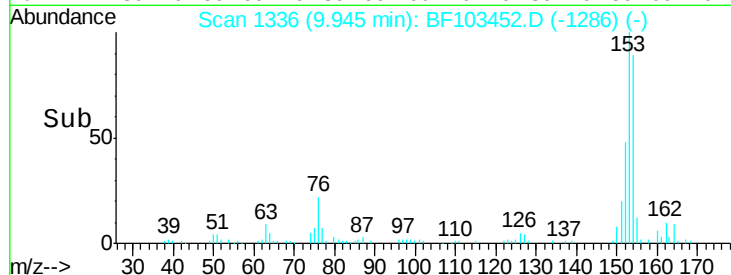
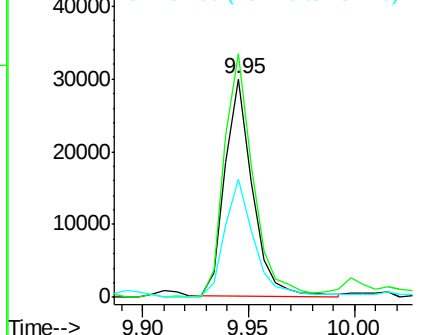
Tot Ion:	154	Resp:	26720
Ion Ratio	Lower	Upper	
154	100		
153	111.6	91.2	136.8
152	54.3	43.8	65.8

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.116 ng

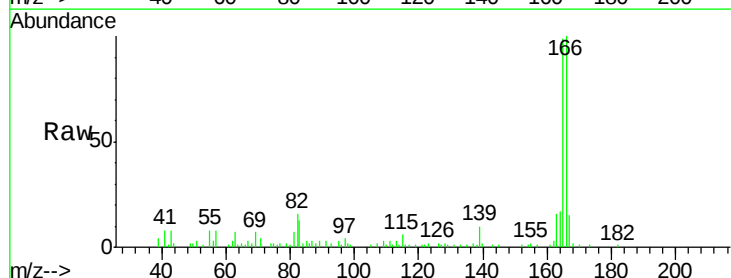
RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

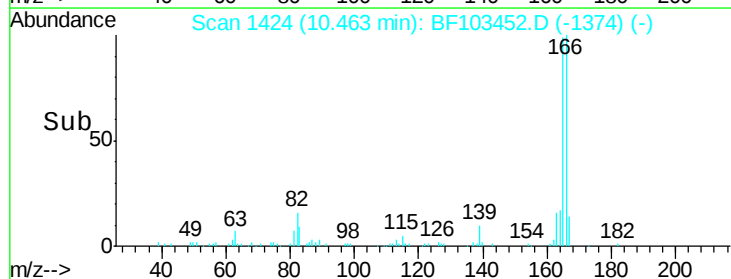
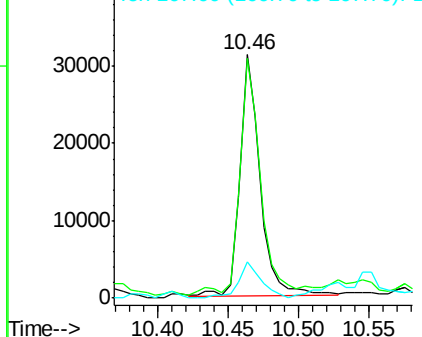
Lab File: BF103452.D

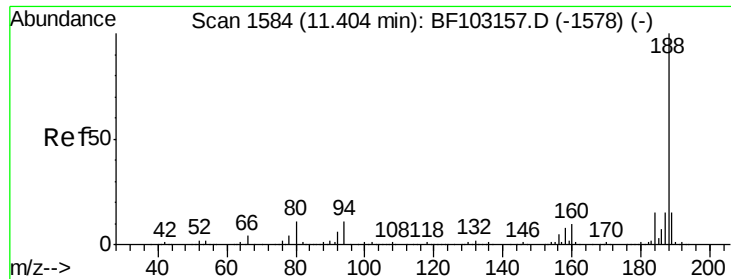
Acq: 6 Mar 2018 13:37

Tgt Ion:	166	Resp:	31213
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.8	119.8
167	14.7	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Instrument :

BNA_F

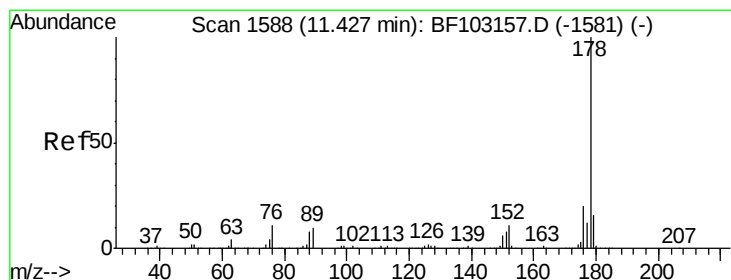
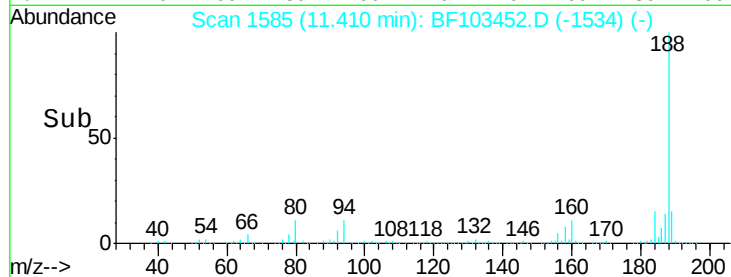
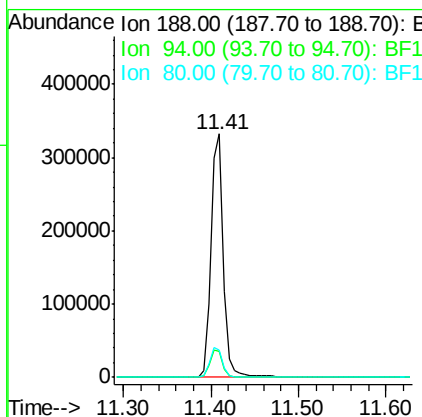
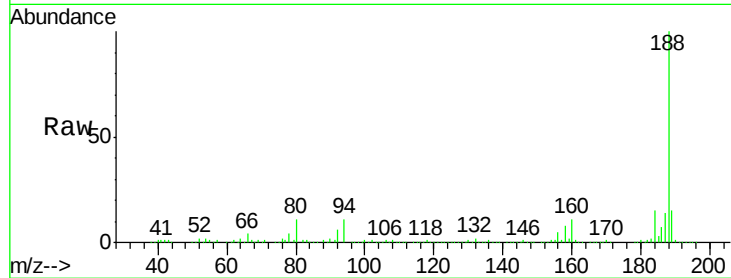
ClientSampleId :

SP-45

Tot Ion:	188	Resp:	323301
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.4	9.2	13.8

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM



#70

Phenanthrene

Concen: 15.892 ng

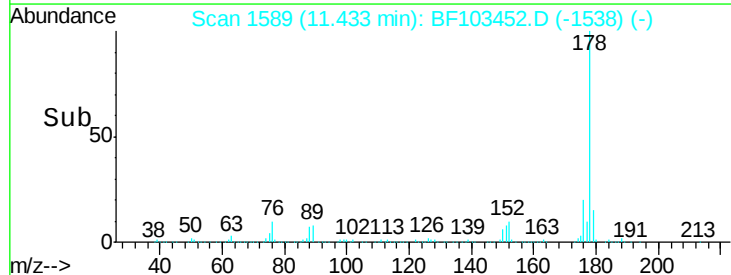
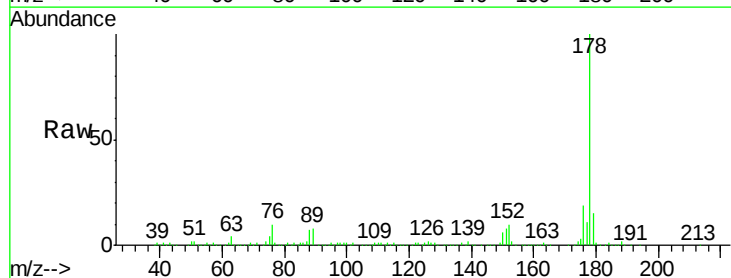
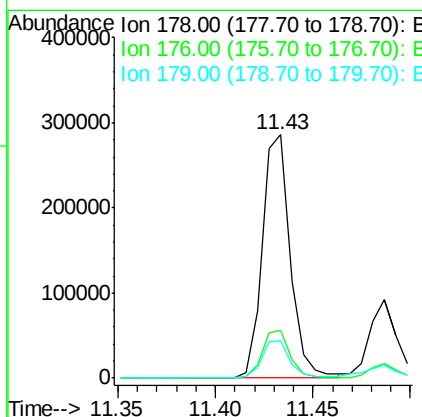
RT: 11.43 min Scan# 1589

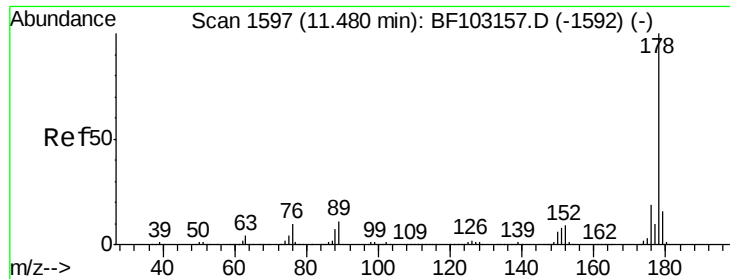
Delta R.T. 0.00 min

Lab File: BF103452.D

Acq: 6 Mar 2018 13:37

Tgt Ion:	178	Resp:	282762
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	15.2	13.0	19.6





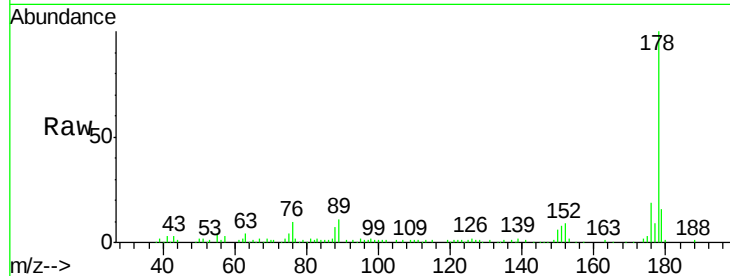
#71
 Anthracene
 Concen: 5.305 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103452.D
 Acq: 6 Mar 2018 13:37

Instrument :
 BNA_F
 ClientSampled :
 SP-45

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.2	12.6	19.0

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:14:49 PM

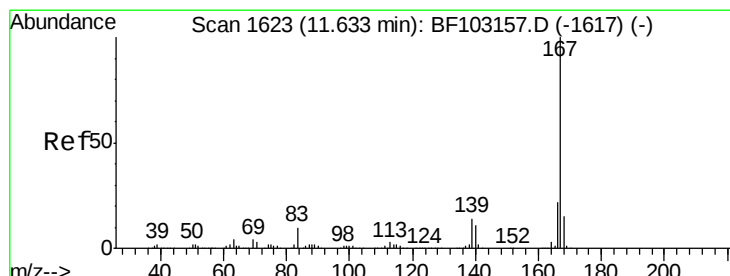
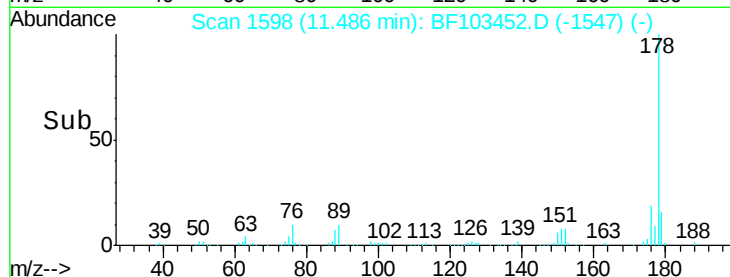
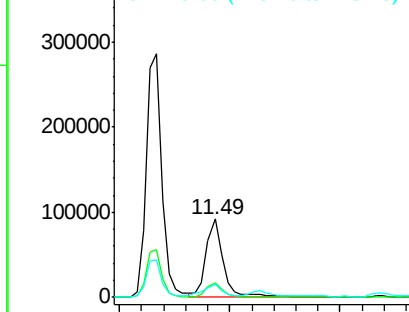


Abundance

Ion 178.00 (177.70 to 178.70): E

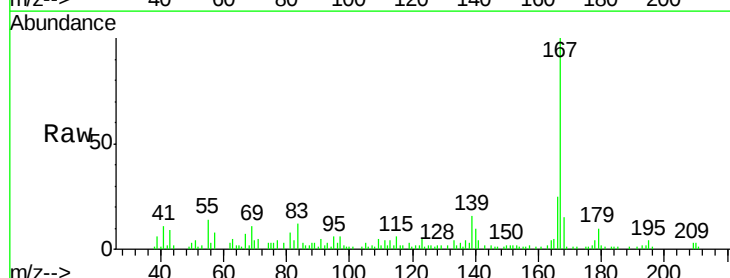
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 2.051 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF103452.D
 Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.6	26.4
139	15.9	10.9	16.3

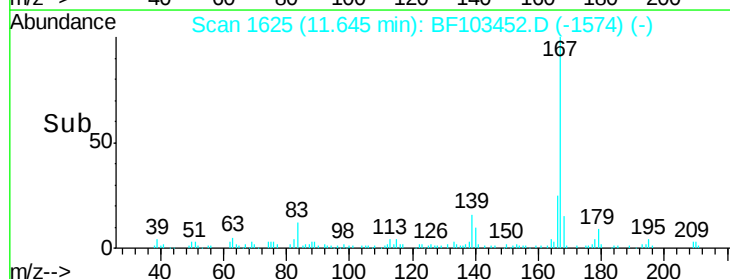
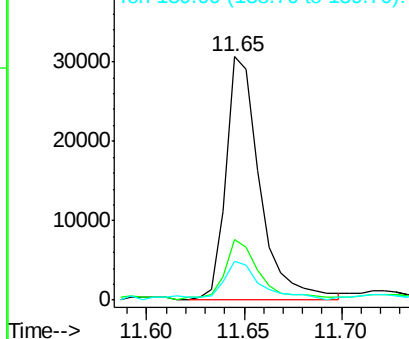


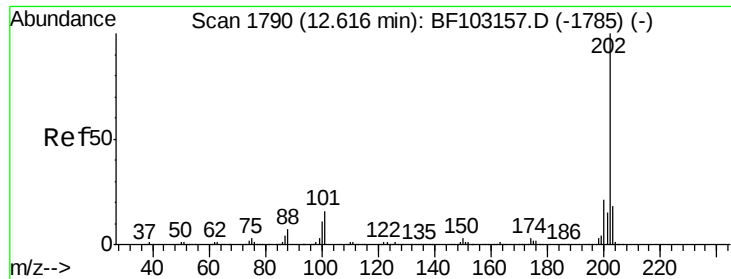
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





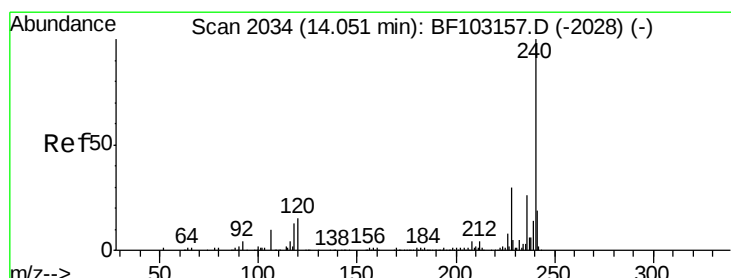
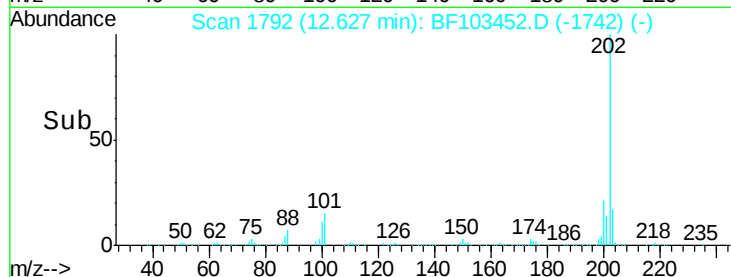
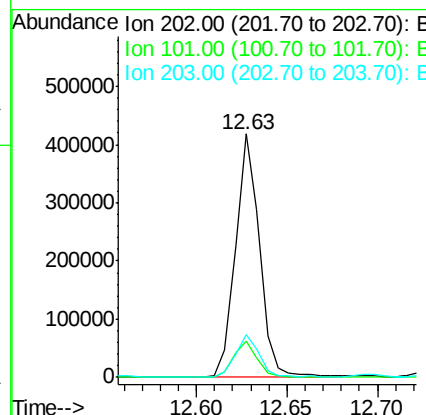
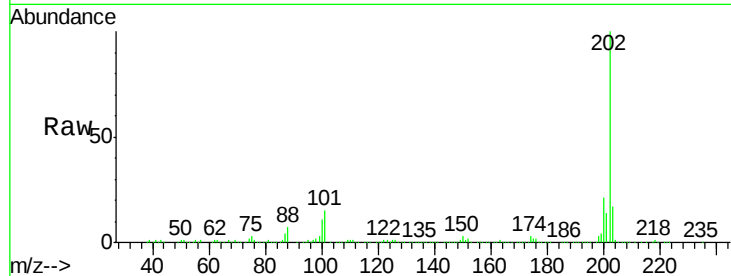
#74
Fluoranthene
Concen: 21.534 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampled :
SP-45

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.3	0.0	38.1

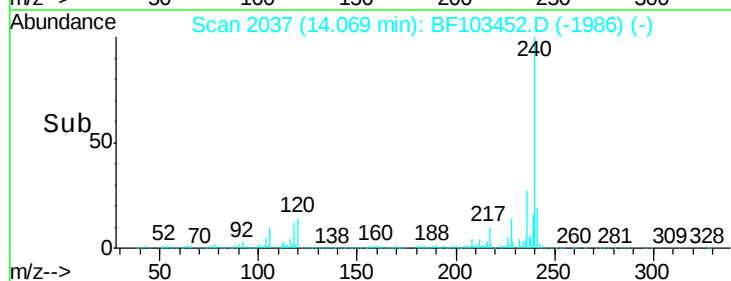
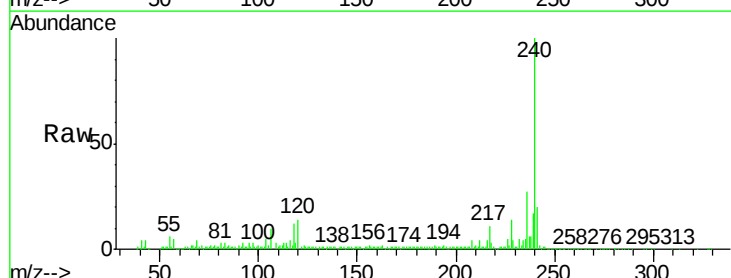
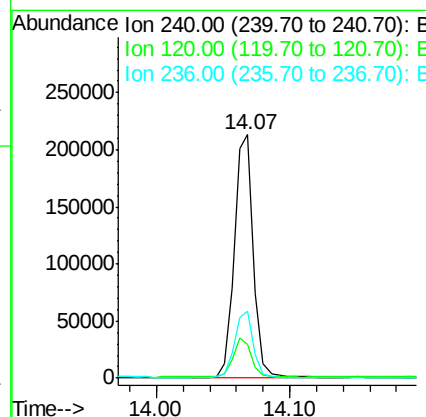
Manual Integrations
APPROVED

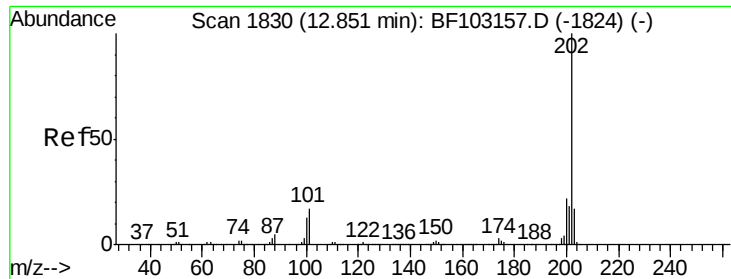
Sohil
3/7/2018 12:14:49 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	9.5	14.3
236	27.4	20.7	31.1





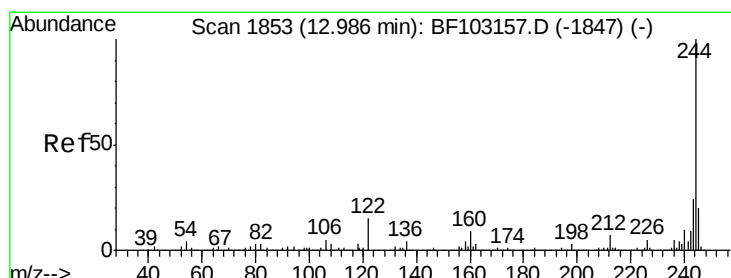
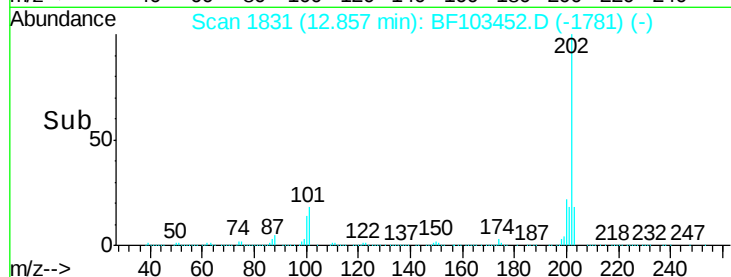
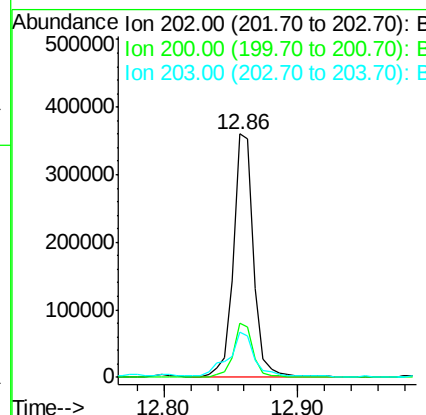
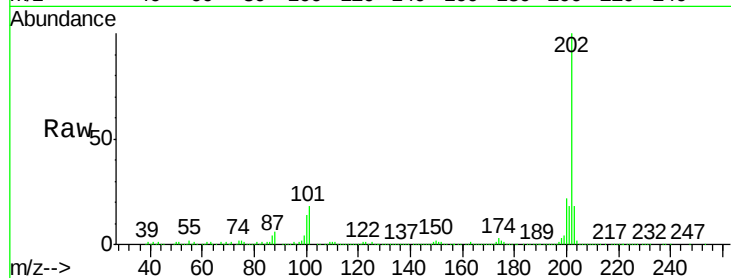
#77
Pvrene
Concen: 23.092 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampled :
SP-45

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.4	14.3	21.5

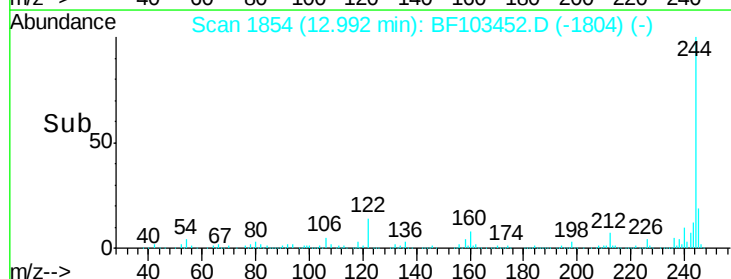
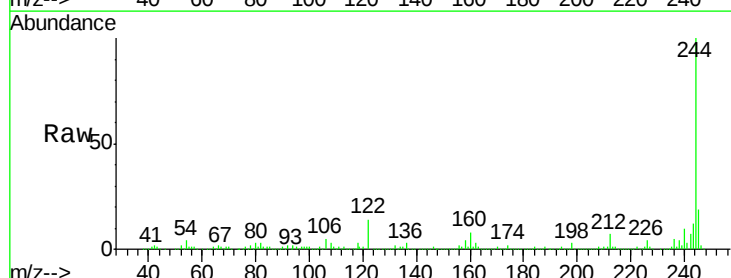
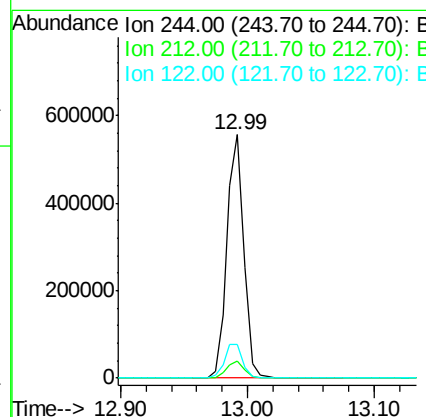
Manual Integrations
APPROVED

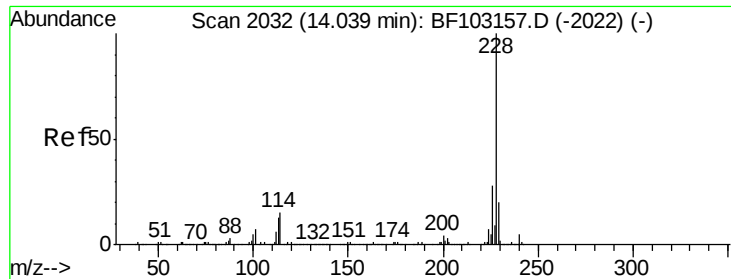
Sohil
3/7/2018 12:14:49 PM



#78
Terphenyl-d14
Concen: 58.591 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.9	11.0	16.4





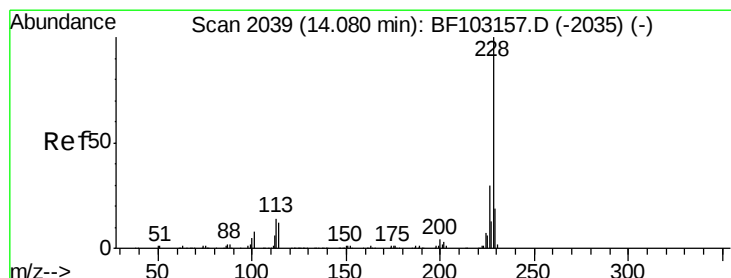
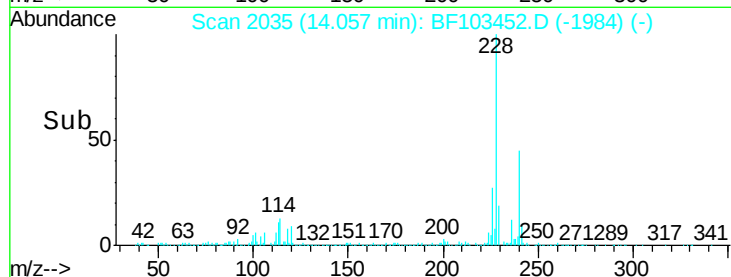
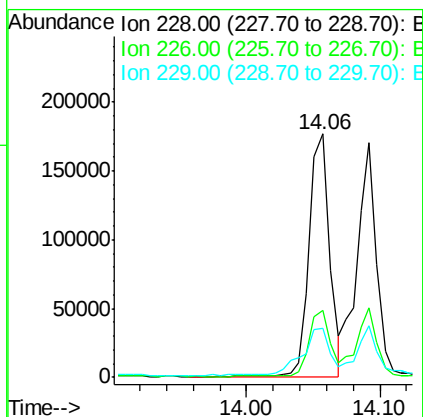
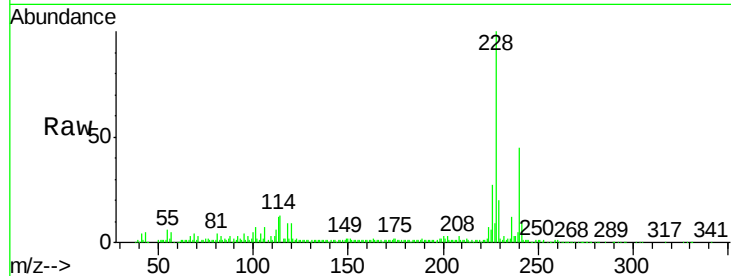
#80
Benzo(a)anthracene
Concen: 13.403 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampleId :
SP-45

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.4	15.8	23.6

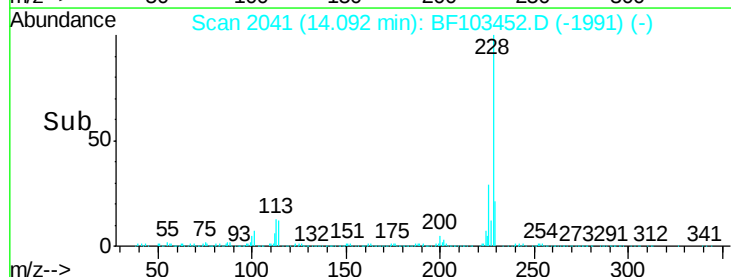
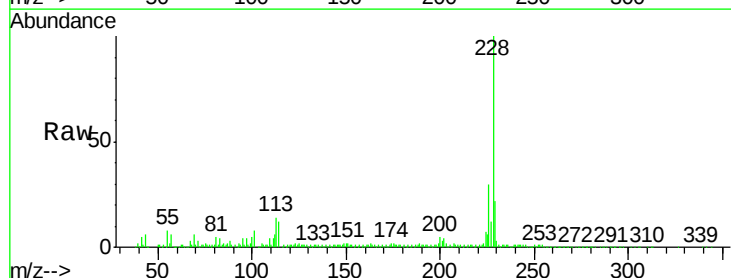
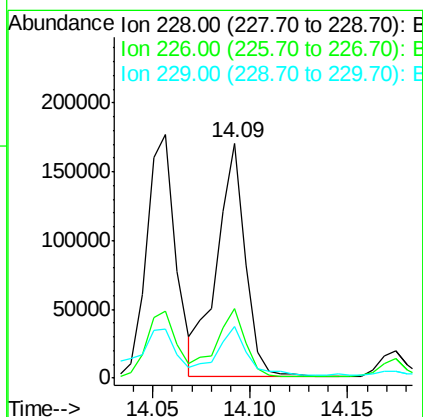
Manual Integrations
APPROVED

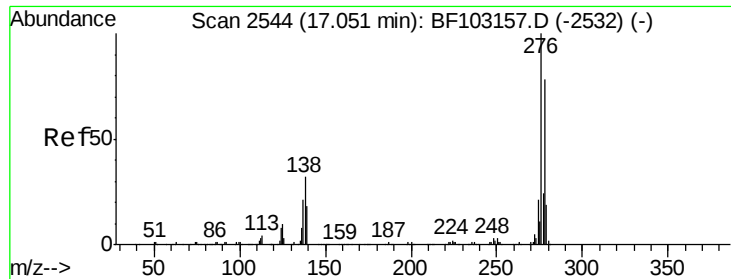
Sohil
3/7/2018 12:14:49 PM



#82
Chrysene
Concen: 13.005 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	22.1	16.2	24.4





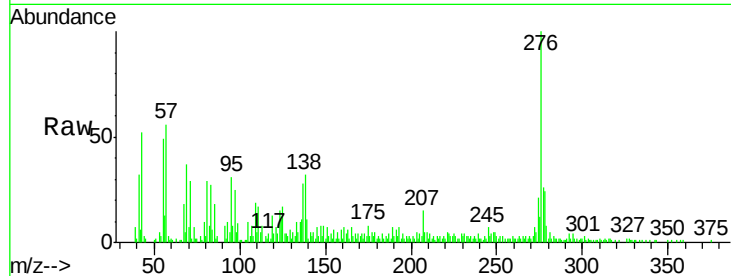
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.512 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampleId :
SP-45

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	24.5	20.1	30.1

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM

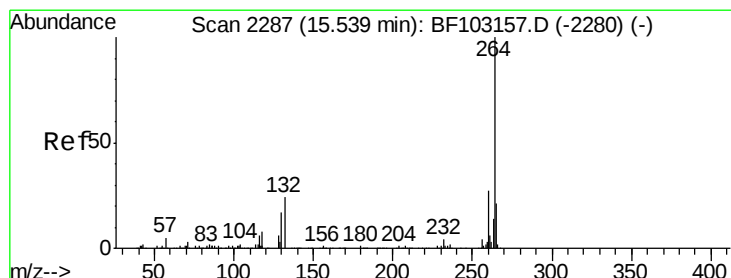
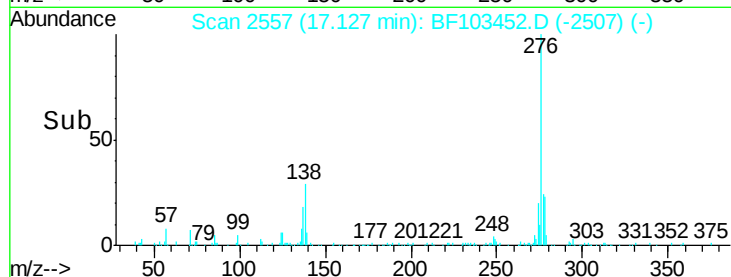
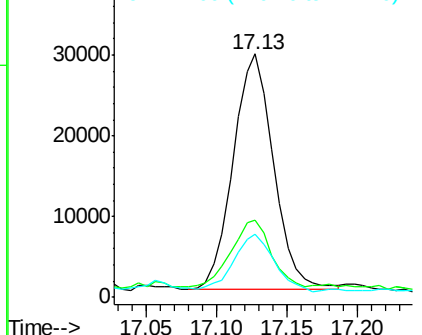


Abundance

Ion 276.00 (275.70 to 276.70): E

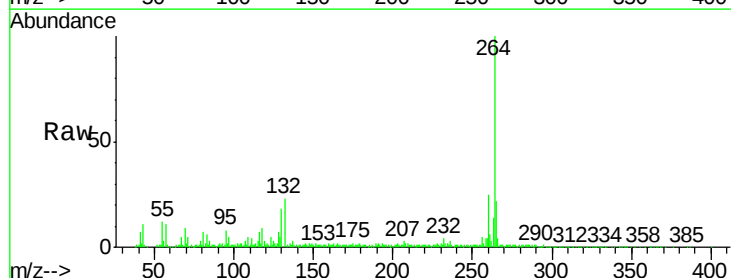
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3

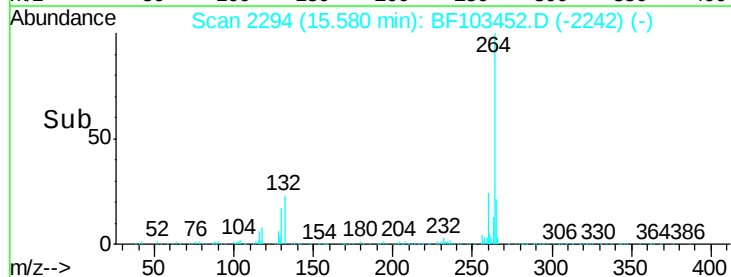
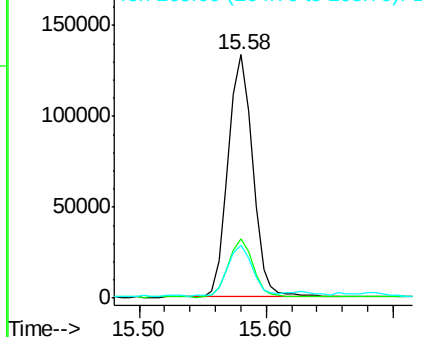


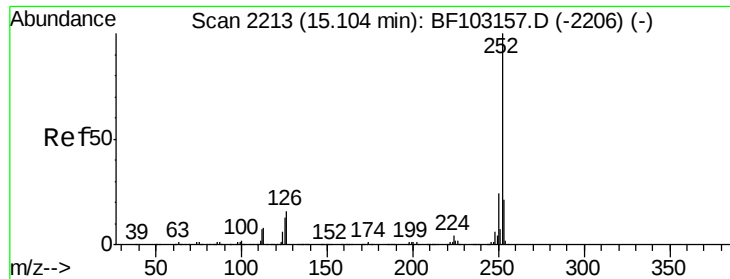
Abundance

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





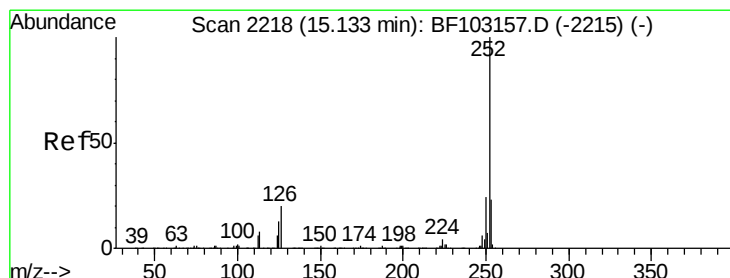
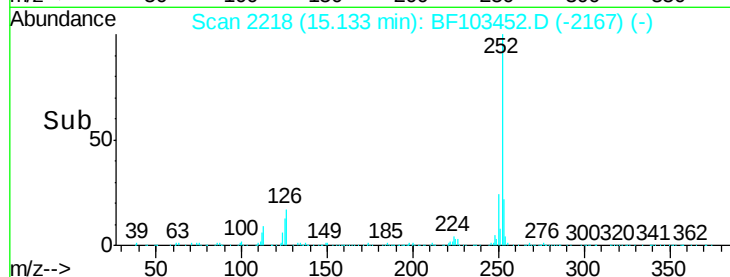
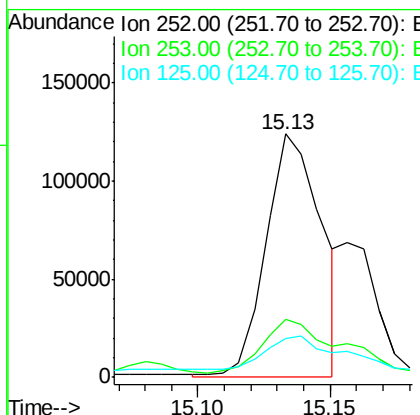
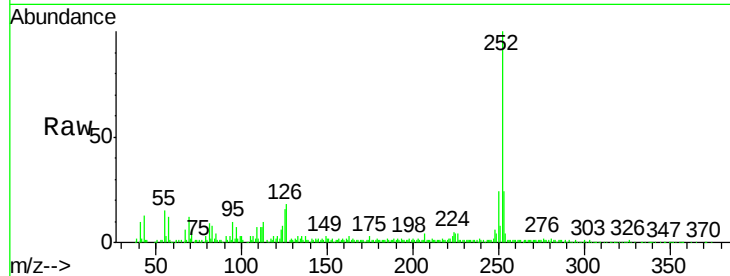
#87
Benzo(b)fluoranthene
Concen: 15.423 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampleId :
SP-45

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	16.2	9.0	13.6

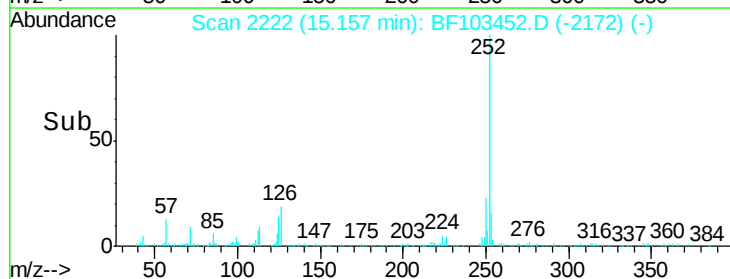
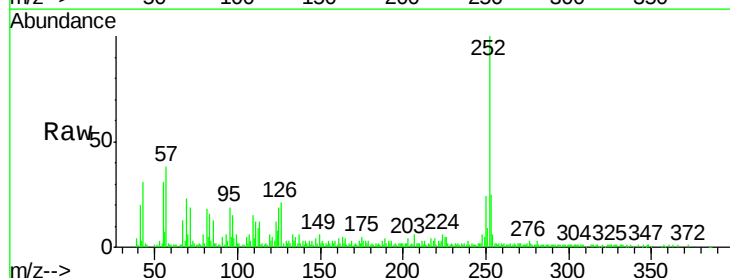
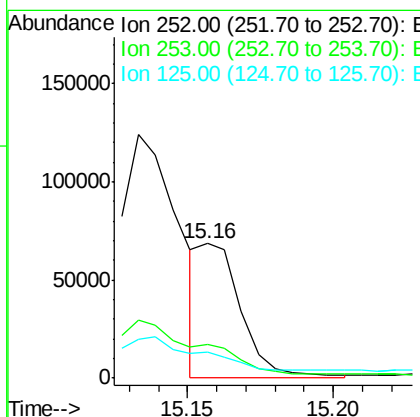
Manual Integrations
APPROVED

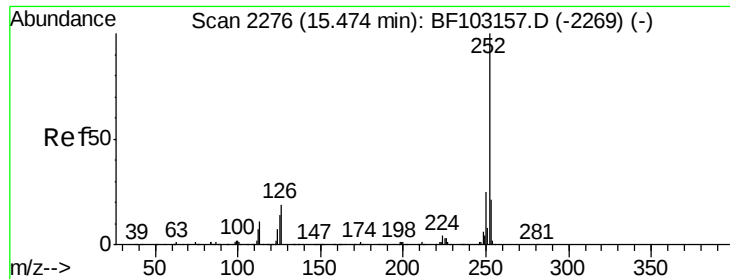
Sohil
3/7/2018 12:14:49 PM



#88
Benzo(k)fluoranthene
Concen: 6.110 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	19.4	10.2	15.2





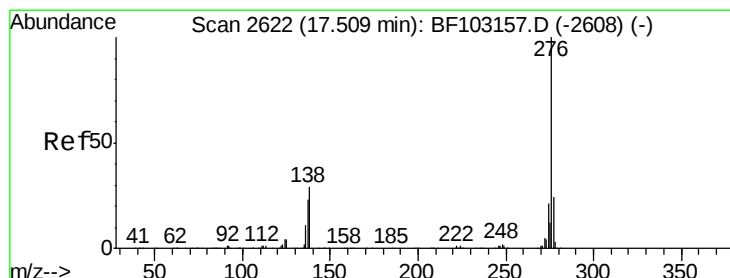
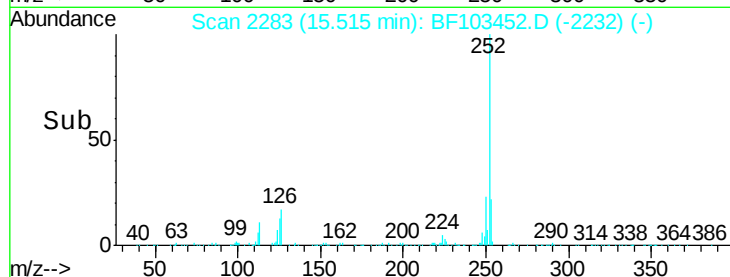
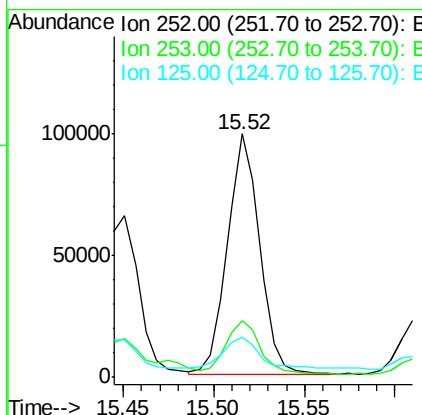
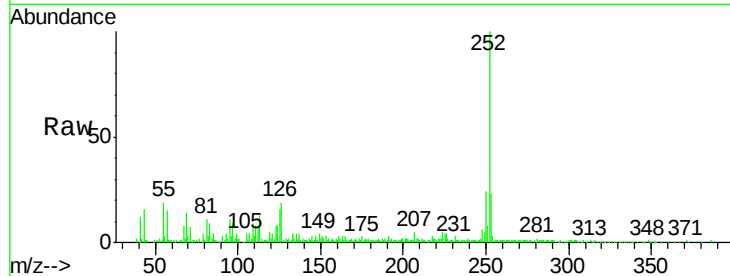
#89
Benzo(a)pyrene
Concen: 11.676 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Instrument :
BNA_F
ClientSampled :
SP-45

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.4	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:49 PM



#91
Benzo(g,h,i)perylene
Concen: 7.096 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.00 min
Lab File: BF103452.D
Acq: 6 Mar 2018 13:37

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.8	17.9	26.9
138	32.2	21.8	32.8

