

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103378.D
 Acq On : 2 Mar 2018 21:03
 Operator : SJ/JU
 Sample : J1721-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-35

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:13:42 PM

Quant Time: Mar 02 23:08:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	151466	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	649046	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	269344	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	386897	20.00	ng	0.00
75) Chrysene-d12	14.06	240	251951	20.00	ng	0.00
86) Perylene-d12	15.57	264	213510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	965579	96.42	ng	0.00
7) Phenol-d6	6.52	99	1170651	95.53	ng	0.00
23) Nitrobenzene-d5	7.45	82	756879	66.60	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	176478	77.41	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1073106	64.79	ng	0.00
78) Terphenyl-d14	12.99	244	646717	61.70	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.63	163	106971	4.951	ng	99
70) Phenanthrene	11.43	178	164592	7.730	ng	99
71) Anthracene	11.49	178	59176	2.710	ng	98
74) Fluoranthene	12.63	202	311435	14.556	ng	99
77) Pyrene	12.86	202	295069	15.021	ng	99
80) Benzo(a)anthracene	14.05	228	155890	9.536	ng	98
82) Chrysene	14.09	228	147188	9.273	ng	99
85) Indeno(1,2,3-cd)pyrene	17.11	276	61376	4.884	ng	94
87) Benzo(b)fluoranthene	15.13	252	172725m	12.304	ng	
88) Benzo(k)fluoranthene	15.15	252	61359m	4.642	ng	
89) Benzo(a)pyrene	15.51	252	118625	9.463	ng	# 93
91) Benzo(a,h,i)perylene	17.58	276	58021	6.129	ng	# 82

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

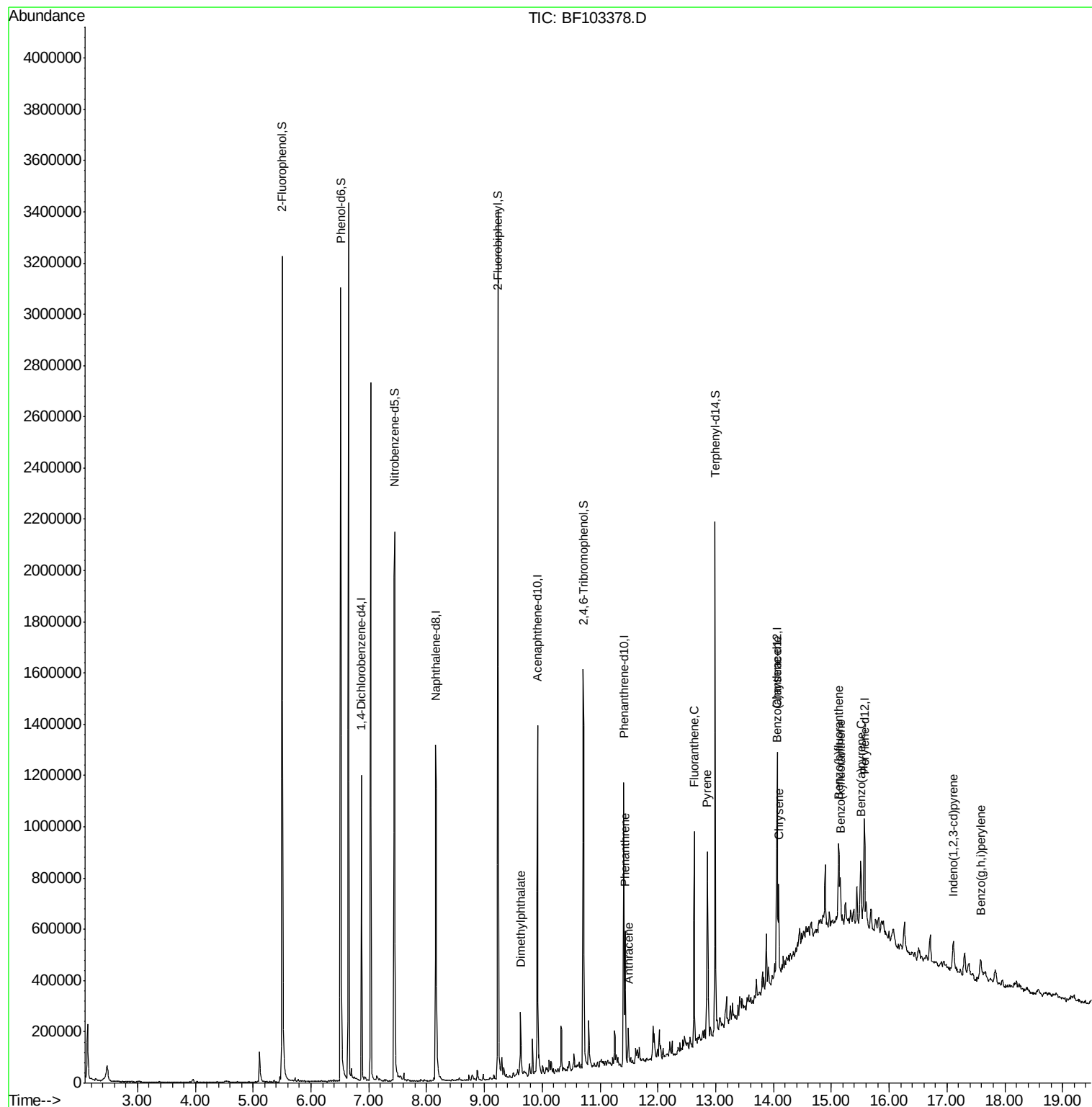
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
Data File : BF103378.D
Acq On : 2 Mar 2018 21:03
Operator : SJ/JU
Sample : J1721-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

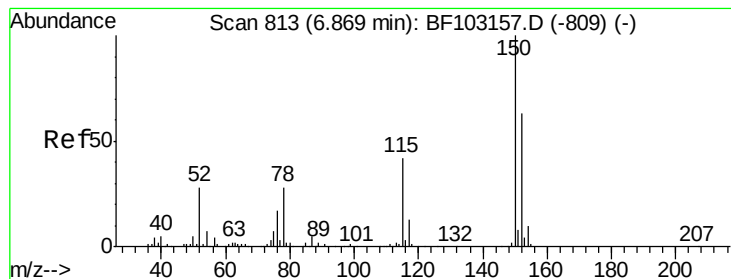
Instrument :
BNA_F
ClientSampleID :
SP-35

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:42 PM

Quant Time: Mar 02 23:08:26 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 02 13:28:09 2018
Response via : Initial Calibration





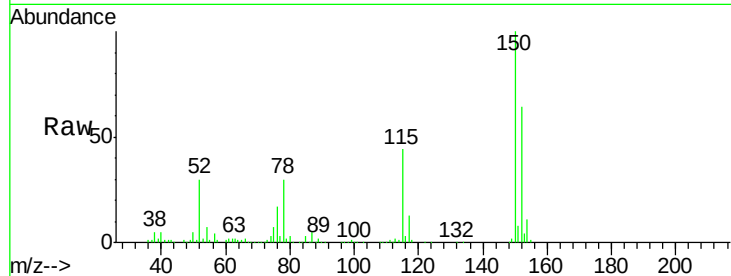
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Instrument :
 BNA_F
 ClientSampled :
 SP-35

Tot Ion	Ratio	Resp	Lower	Upper
152	100	151466		
150	155.7	124.6	186.8	
115	67.9	50.1	75.1	

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:13:42 PM

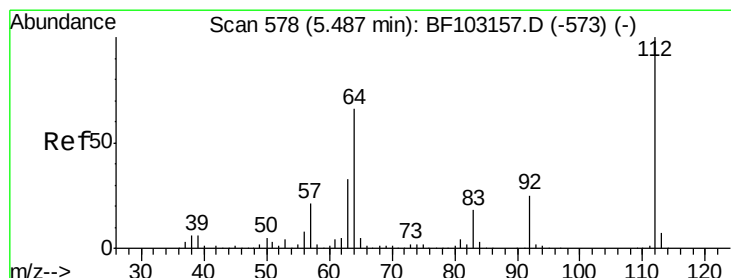
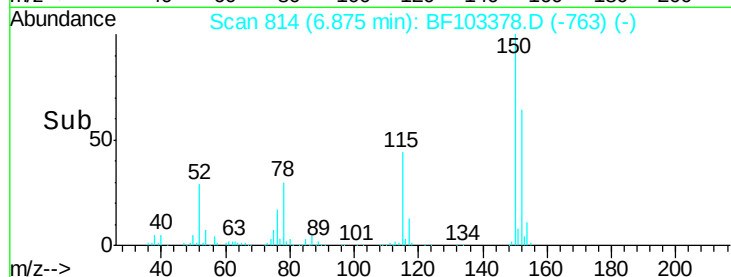
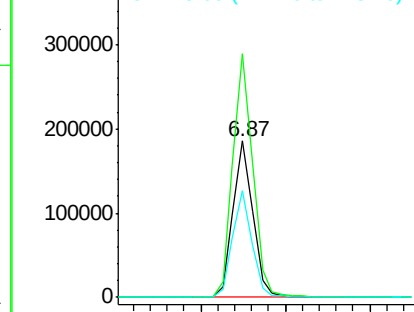


Abundance

Ion 152.00 (151.70 to 152.70): E

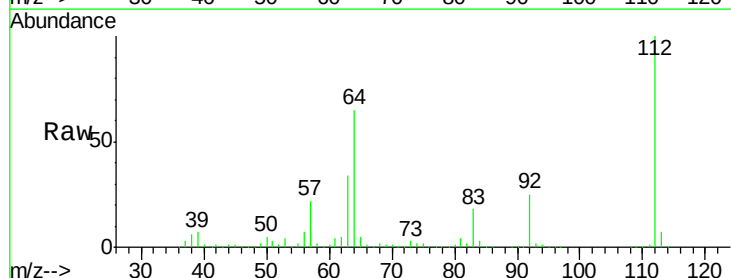
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 96.416 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	965579		
64	64.7	47.9	71.9	
63	34.0	23.7	35.5	

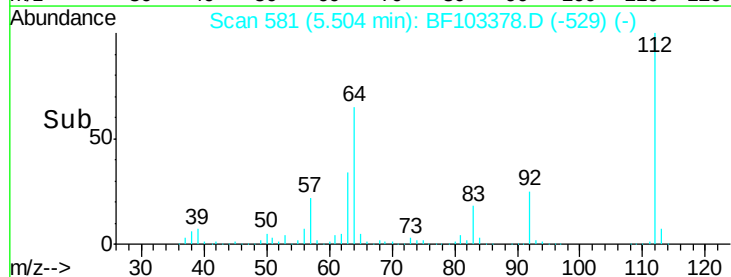
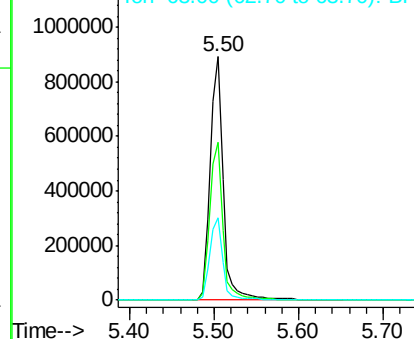


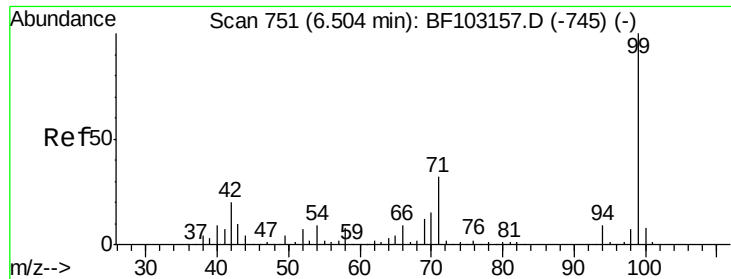
Abundance

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: 95.528 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampled :

SP-35

Tot Ion: 99 Resp: 1170651

Ion Ratio Lower Upper

99 100

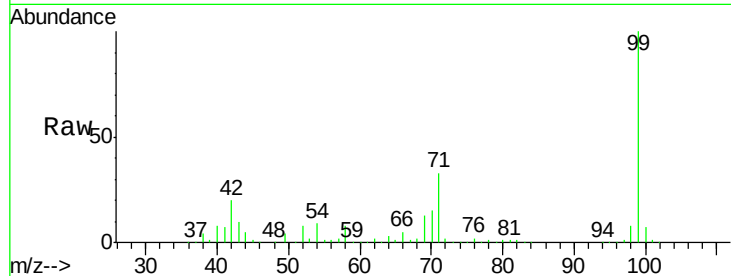
42 20.3 14.5 21.7

71 33.0 25.4 38.0

Manual Integrations
APPROVED

Sohil

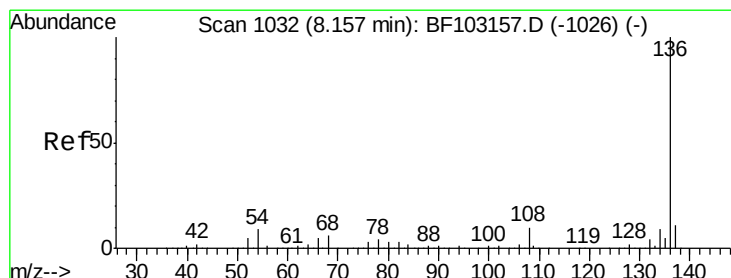
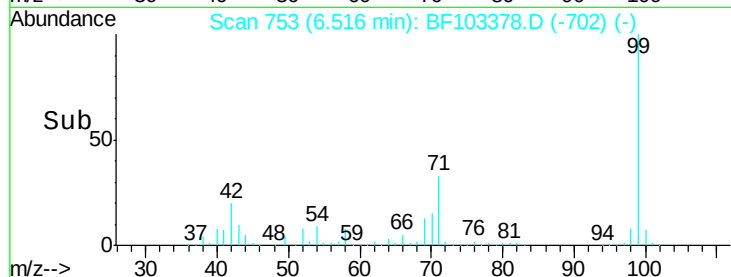
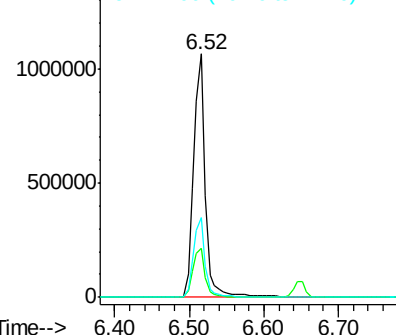
3/5/2018 3:13:42 PM



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. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion: 136 Resp: 649046

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.8 6.6 9.8

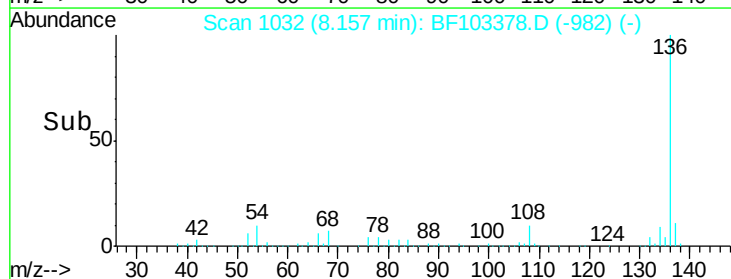
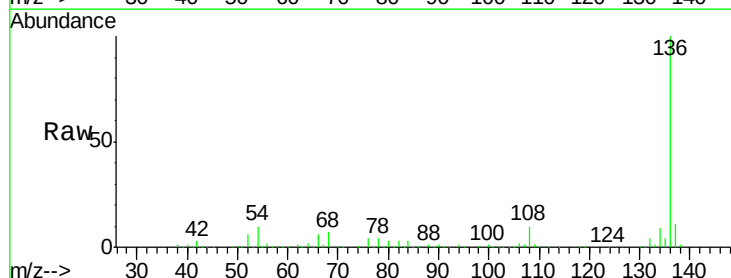
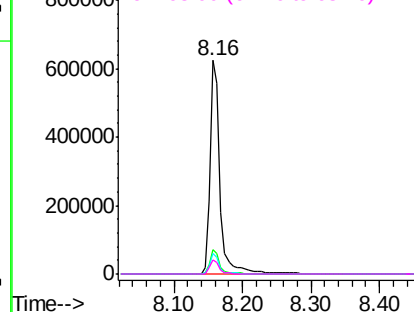
68 6.7 5.0 7.4

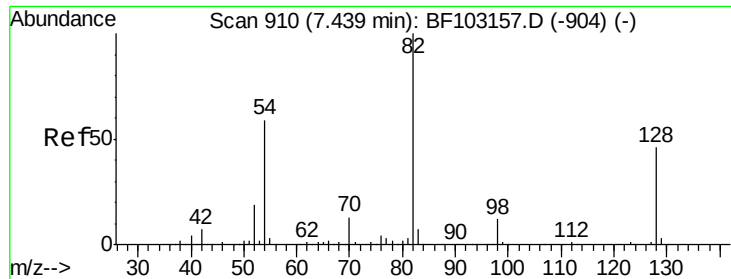
Abundance Ion 136.00 (135.70 to 136.70): E

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





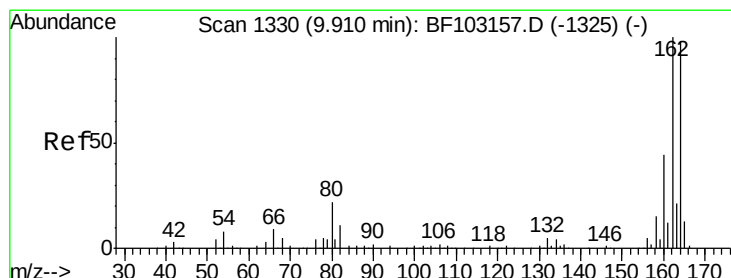
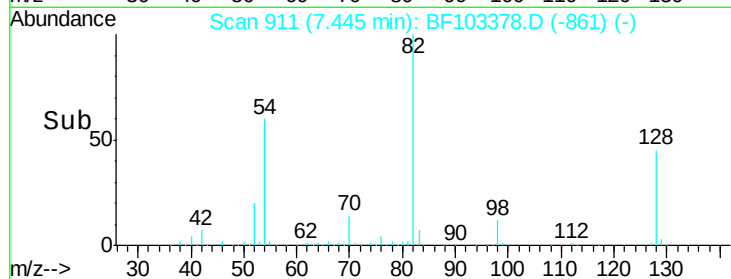
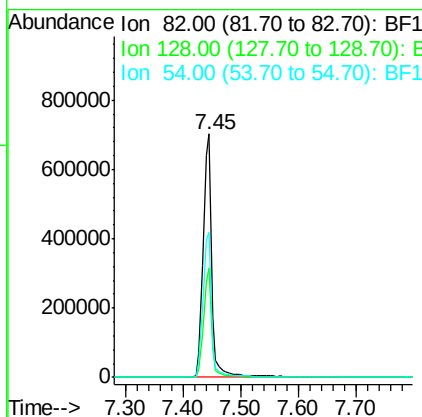
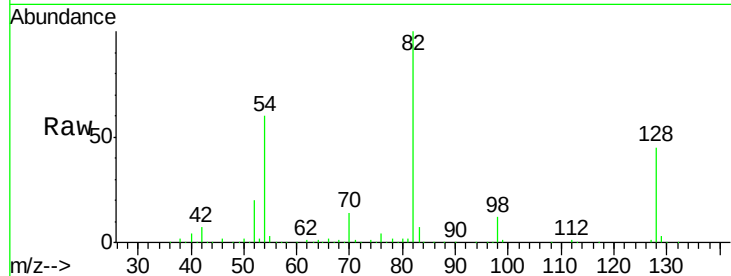
#23
 Nitrobenzene-d5
 Concen: 66.596 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Instrument :
 BNA_F
 ClientSampled :
 SP-35

Tot Ion	82	Resp	756879
Ion Ratio	100	Lower	Upper
128	45.0	36.1	54.1
54	59.6	41.4	62.2

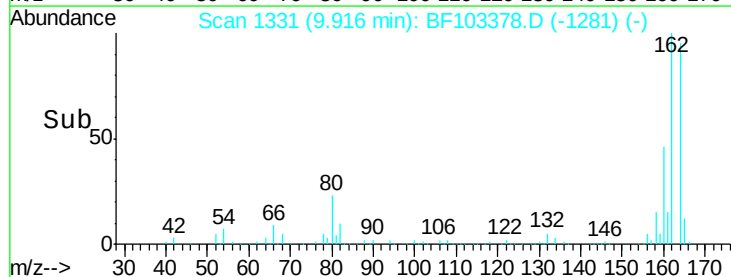
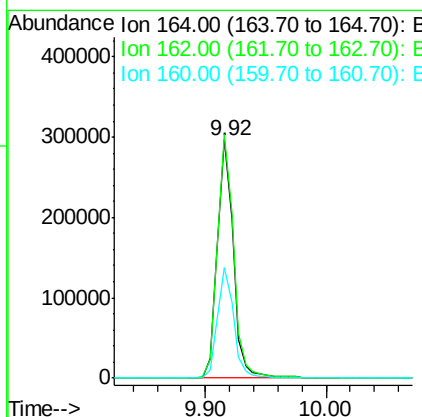
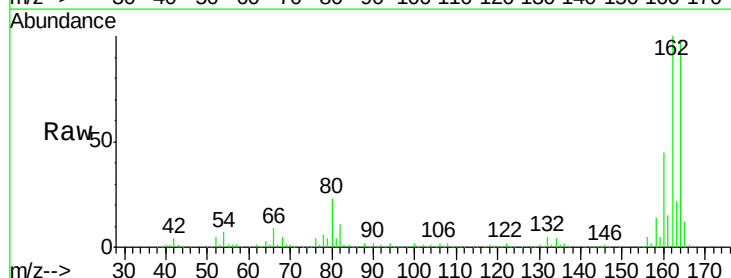
Manual Integrations
 APPROVED

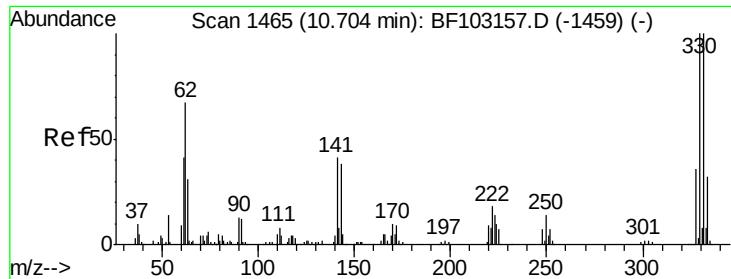
Sohil
 3/5/2018 3:13:42 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Tgt Ion	164	Resp	269344
Ion Ratio	100	Lower	Upper
162	102.2	86.1	129.1
160	46.4	38.3	57.5





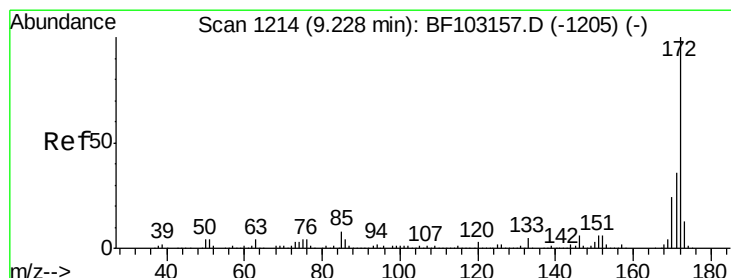
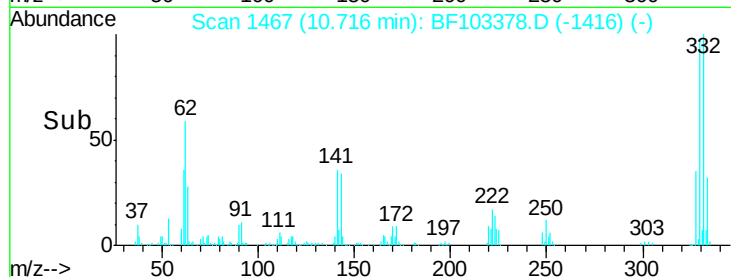
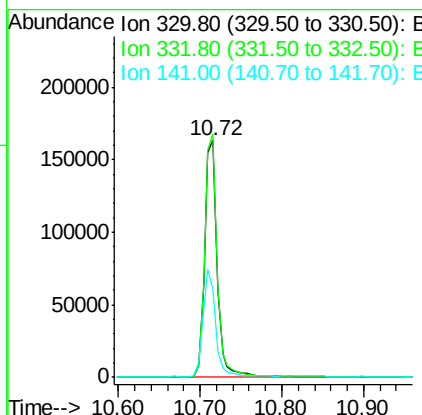
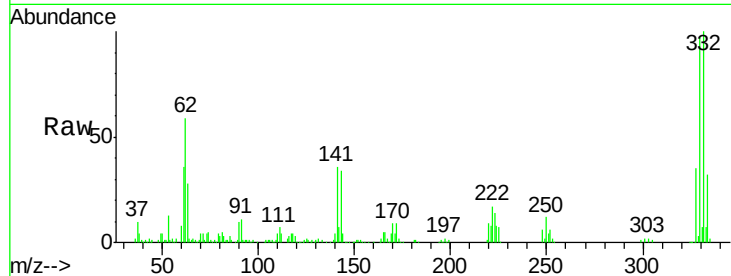
#41
 2,4,6-Tribromophenol
 Concen: 77.408 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Instrument :
 BNA_F
 ClientSampled :
 SP-35

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	45.4	29.9	44.9

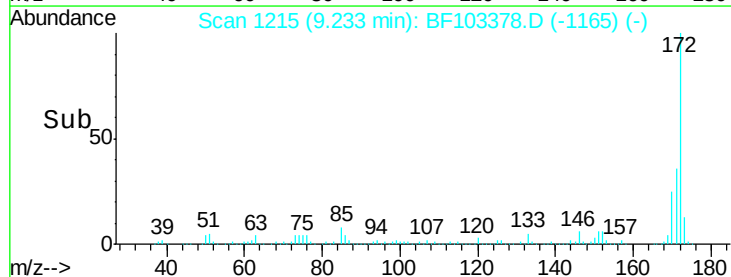
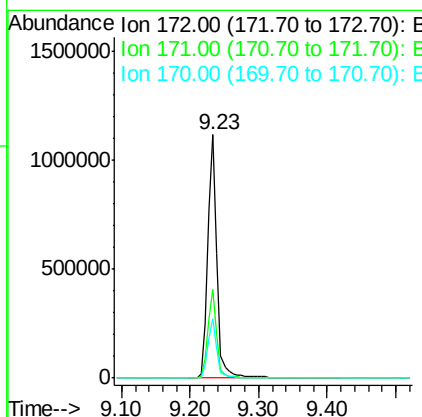
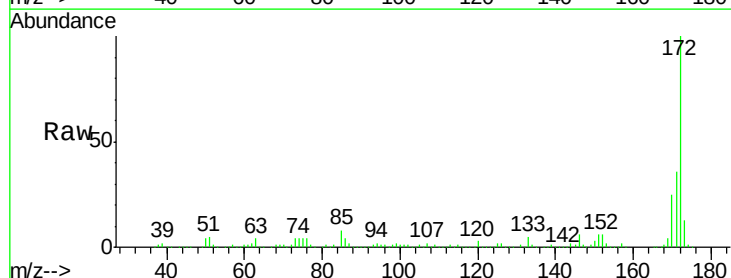
Manual Integrations
 APPROVED

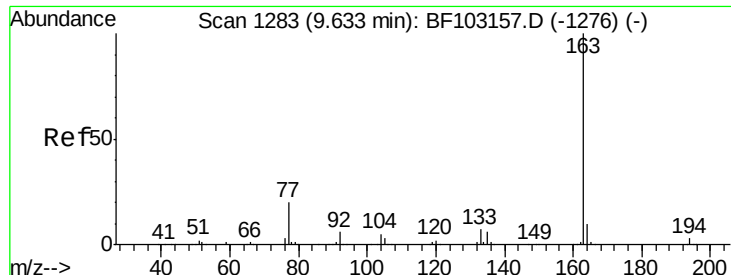
Sohil
 3/5/2018 3:13:42 PM



#44
 2-Fluorobiphenyl
 Concen: 64.791 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 4.951 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

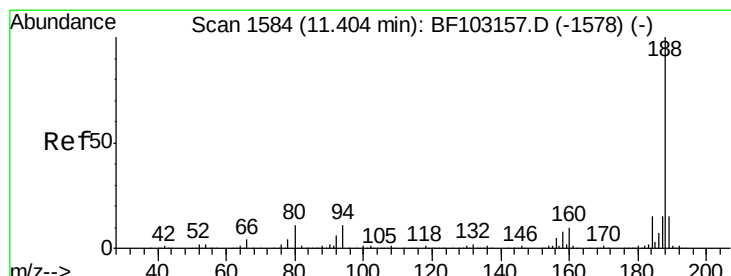
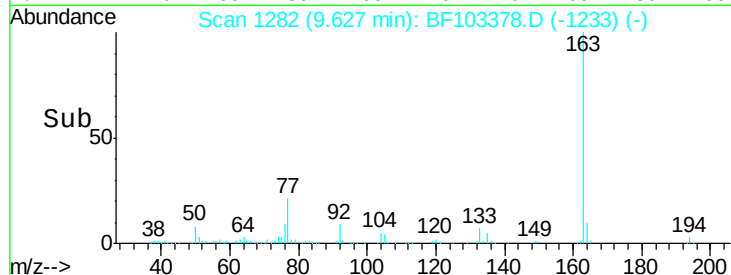
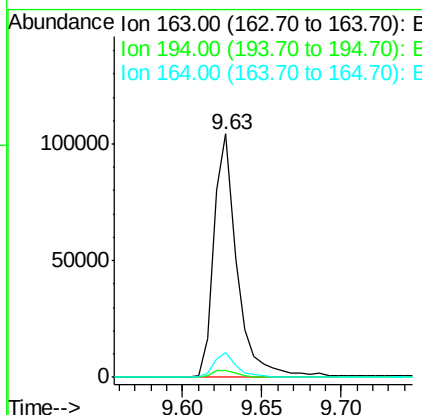
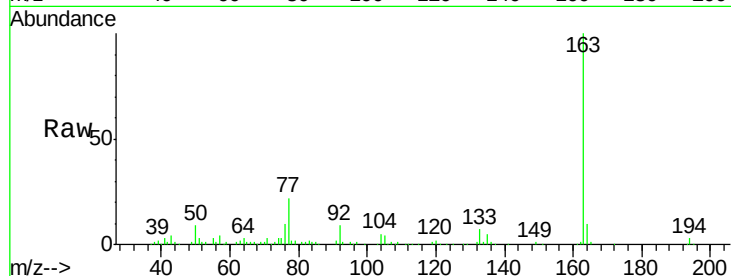
ClientSampled :

SP-35

Tot Ion:	163	Resp:	106971
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.7	4.1
164	10.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:42 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

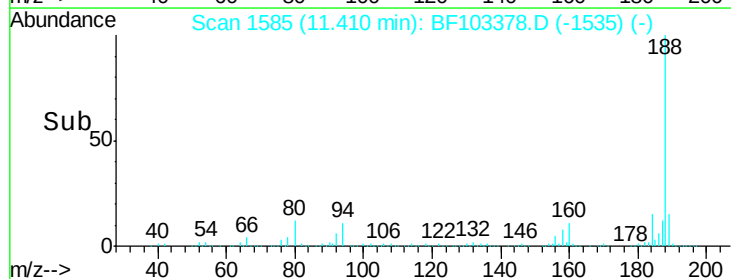
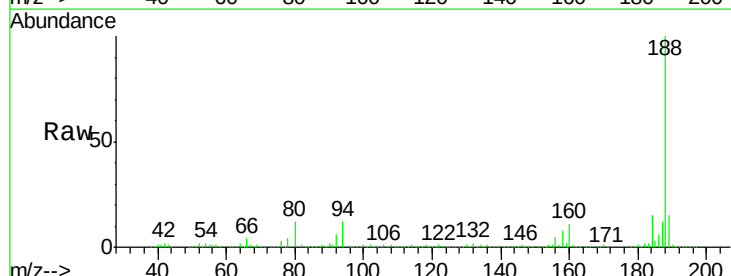
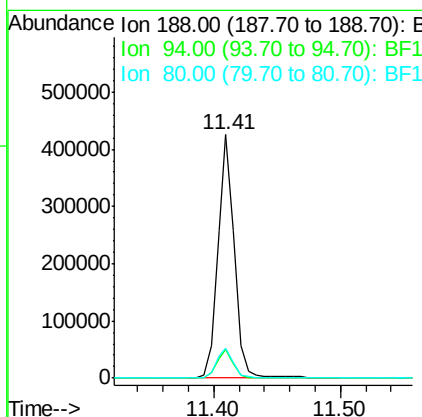
RT: 11.41 min Scan# 1585

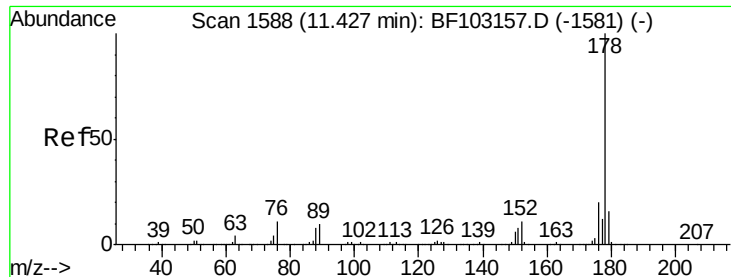
Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion:	188	Resp:	386897
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.5	12.7
80	12.3	9.2	13.8





#70

Phenanthrene

Concen: 7.730 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

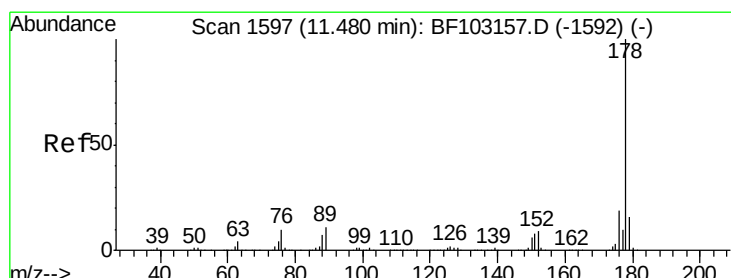
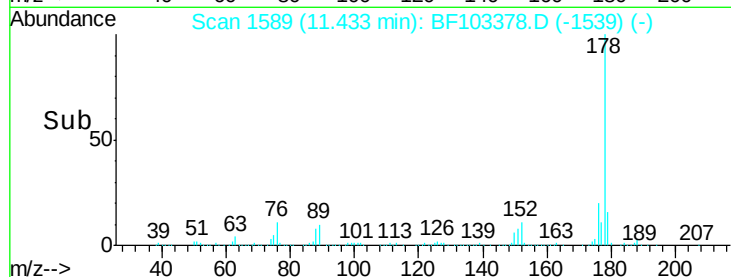
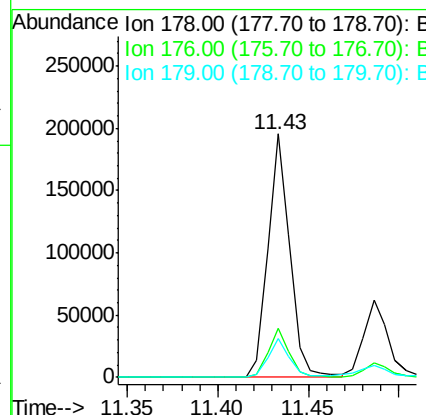
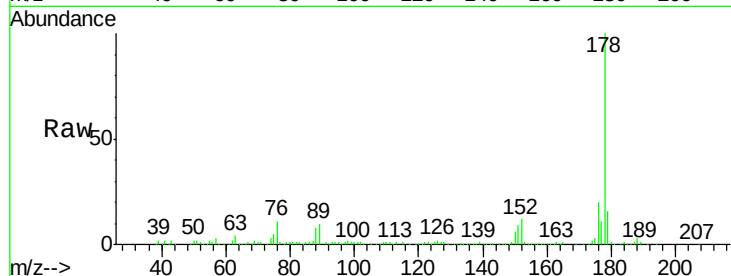
ClientSampled :

SP-35

Tot Ion:	178	Resp:	164592
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.8	23.8
179	15.8	13.0	19.6

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:42 PM



#71

Anthracene

Concen: 2.710 ng

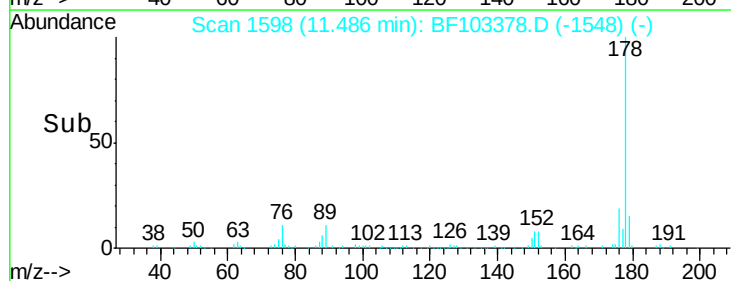
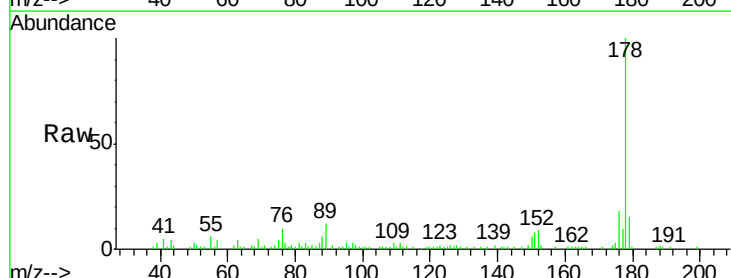
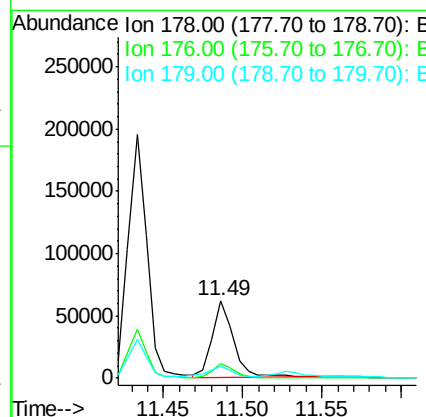
RT: 11.49 min Scan# 1598

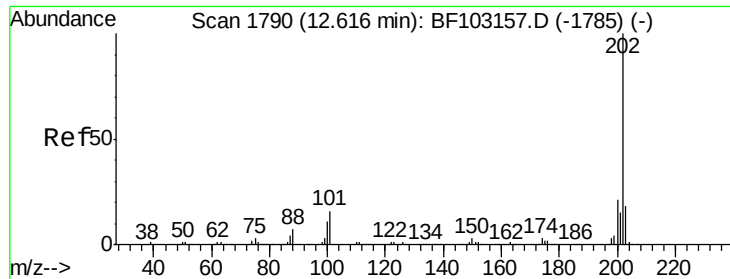
Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion:	178	Resp:	59176
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 14.556 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

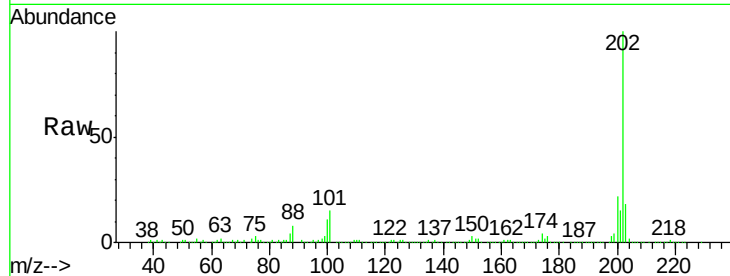
ClientSampleId :

SP-35

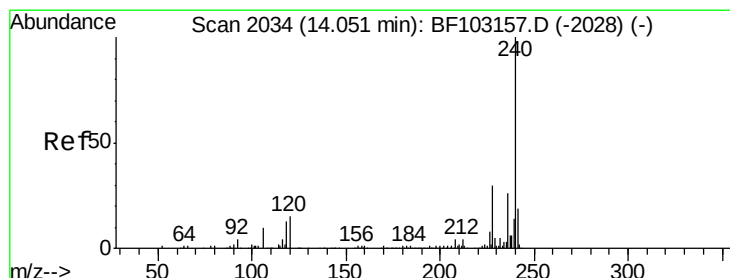
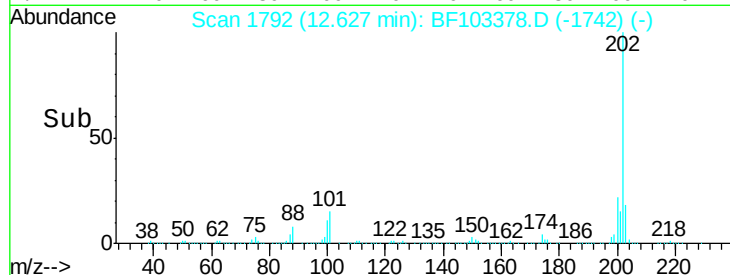
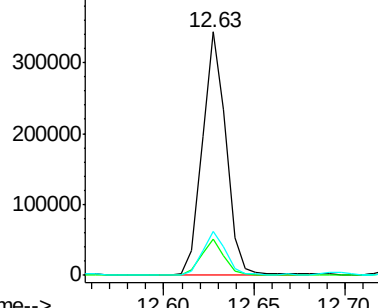
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:42 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

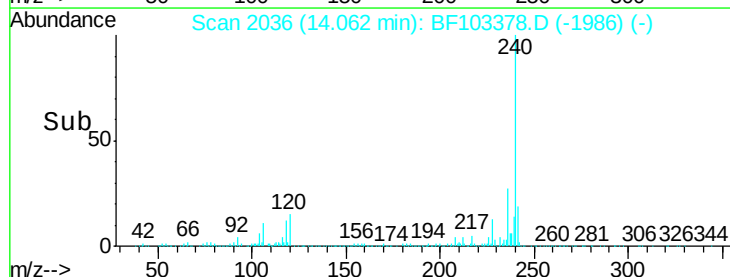
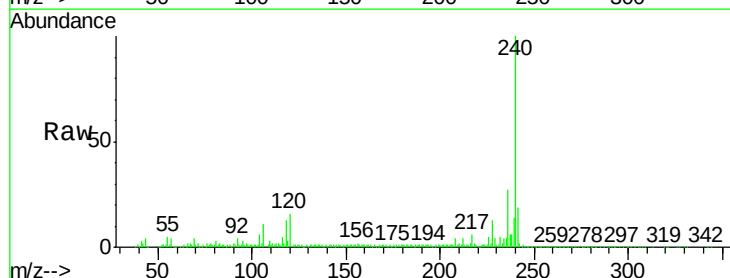
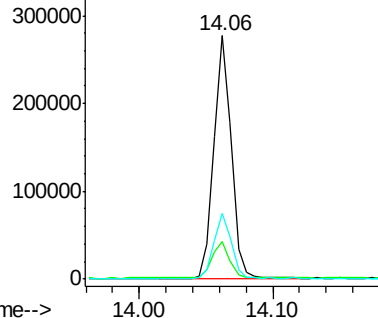
Delta R.T. -0.01 min

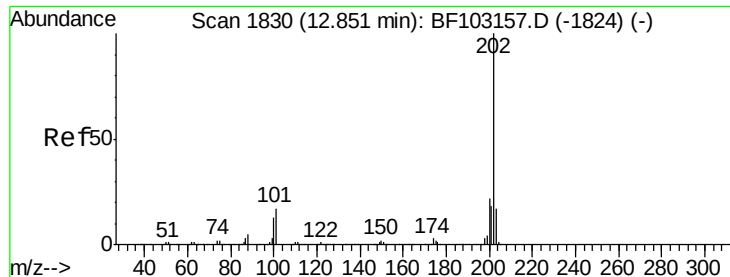
Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	26.9	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





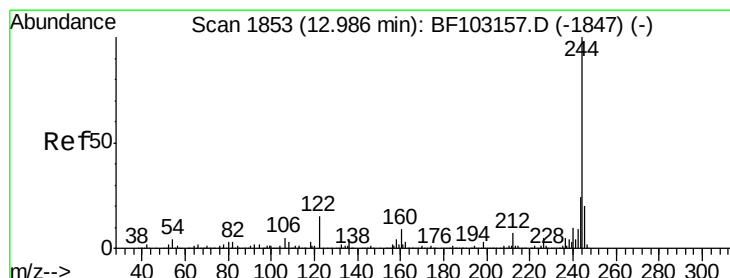
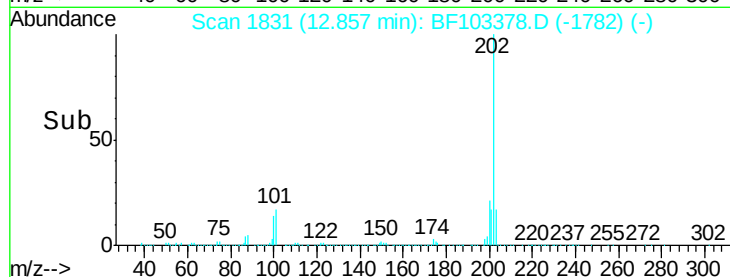
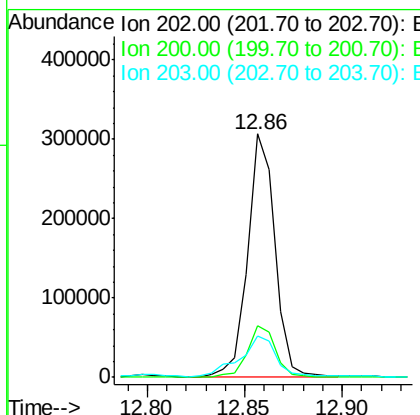
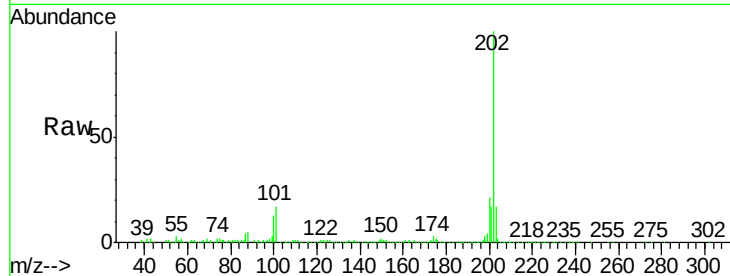
#77
Pvrene
Concen: 15.021 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampled :
SP-35

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	16.9	14.3	21.5

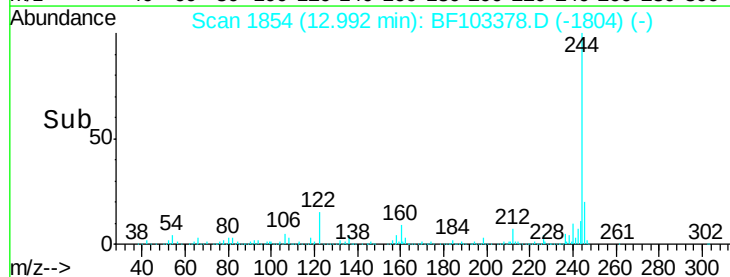
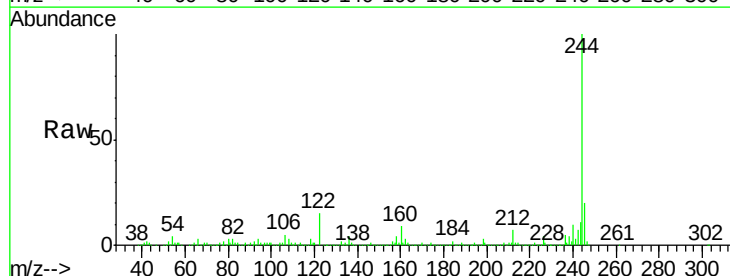
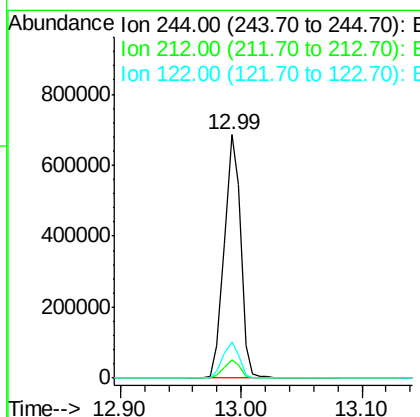
Manual Integrations
APPROVED

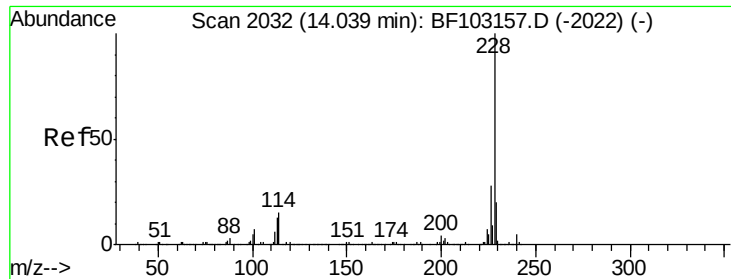
Sohil
3/5/2018 3:13:42 PM



#78
Terphenyl-d14
Concen: 61.703 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.4	8.0
122	15.1	11.0	16.4





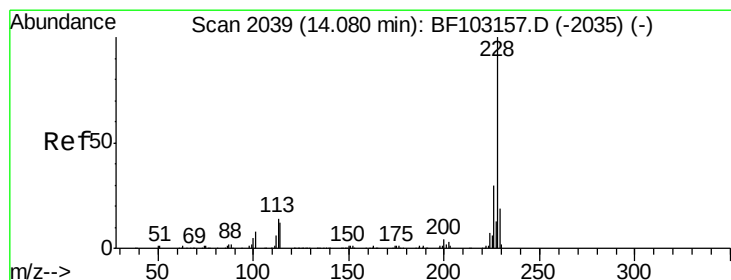
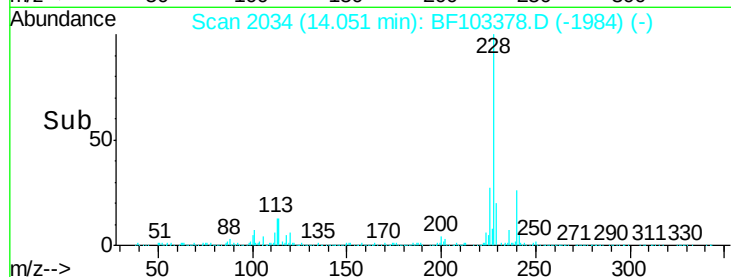
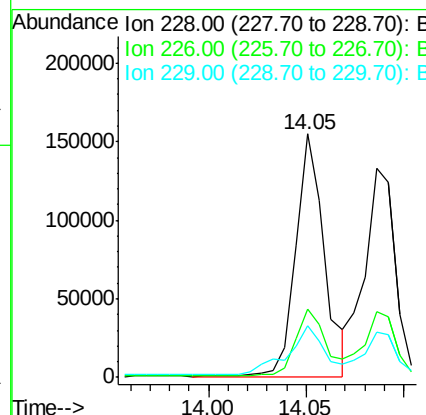
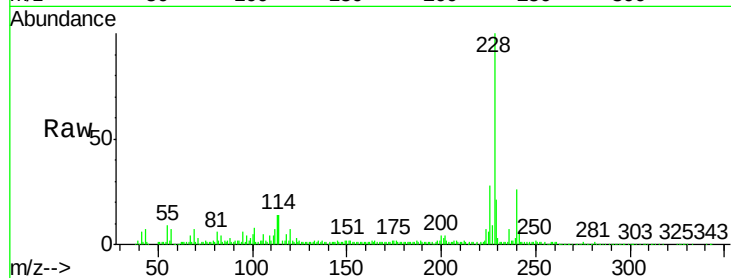
#80
Benzo(a)anthracene
Concen: 9.536 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampleId :
SP-35

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.0	15.8	23.6

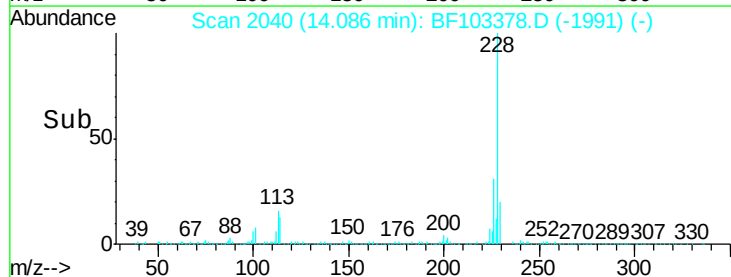
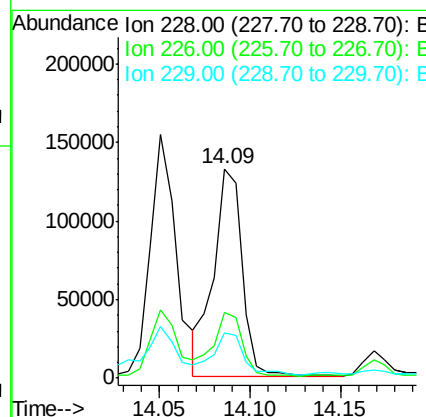
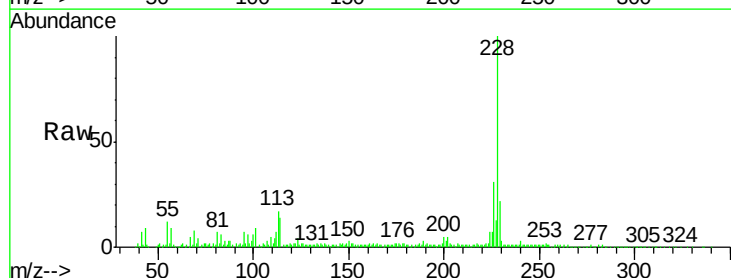
Manual Integrations
APPROVED

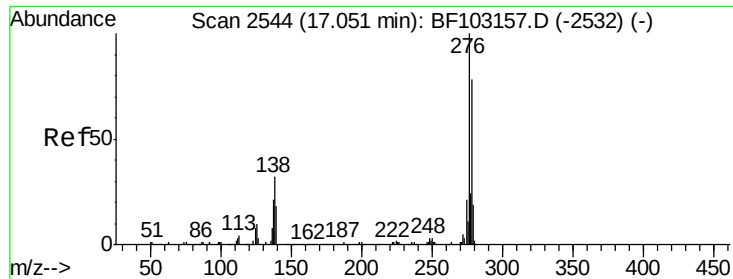
Sohil
3/5/2018 3:13:42 PM



#82
Chrysene
Concen: 9.273 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.5	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.884 ng

RT: 17.11 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

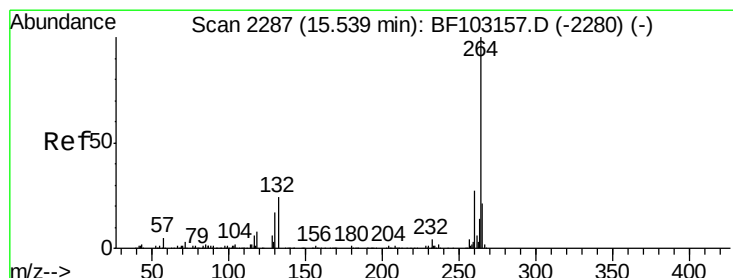
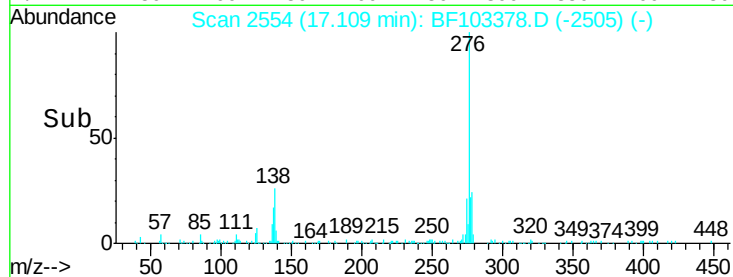
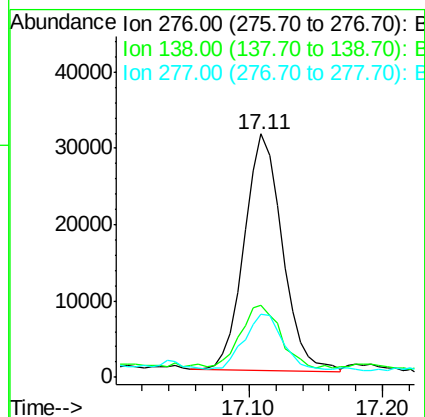
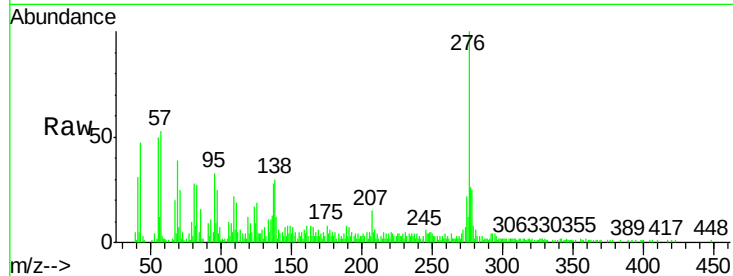
ClientSampleId :

SP-35

Tot Ion:	276	Resp:	61376
Ion Ratio	Lower	Upper	
276	100		
138	27.4	25.0	37.6
277	23.1	20.1	30.1

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:42 PM



#86

Perylene-d12

Concen: 20.000 ng

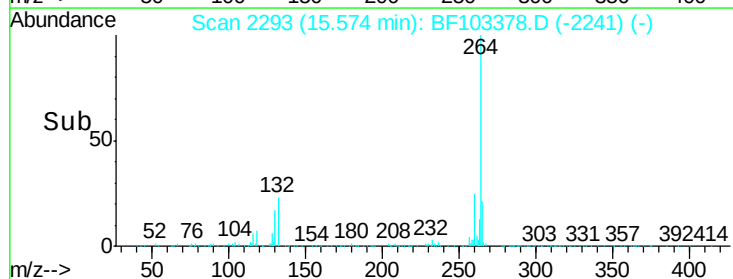
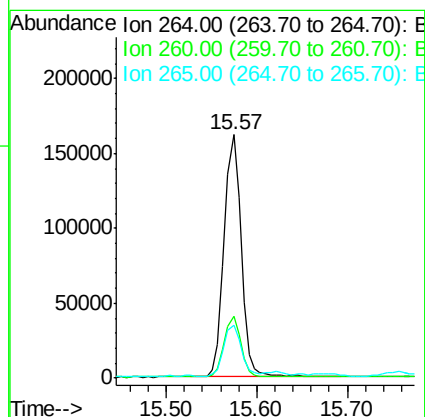
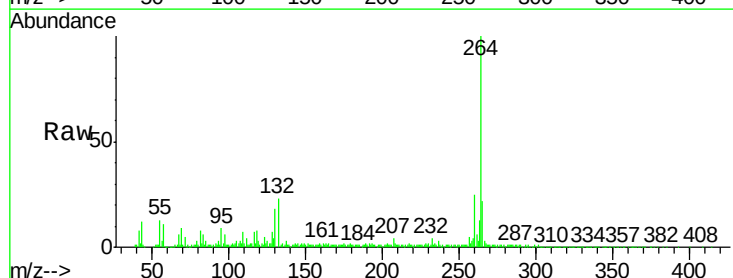
RT: 15.57 min Scan# 2293

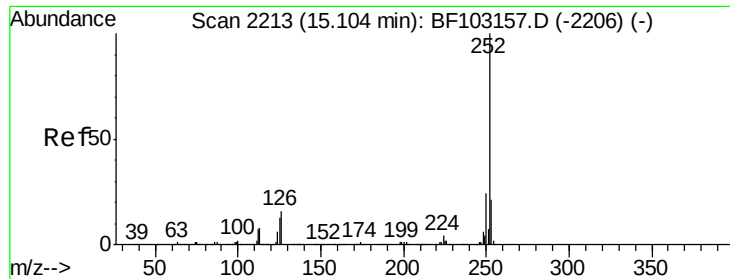
Delta R.T. 0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion:	264	Resp:	213510
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.2	28.8
265	21.7	17.5	26.3





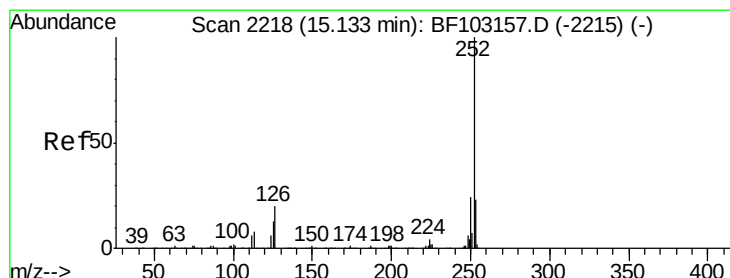
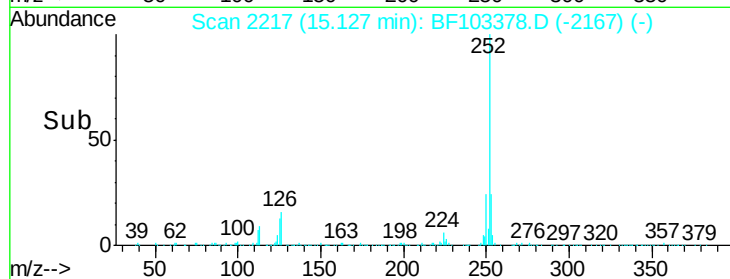
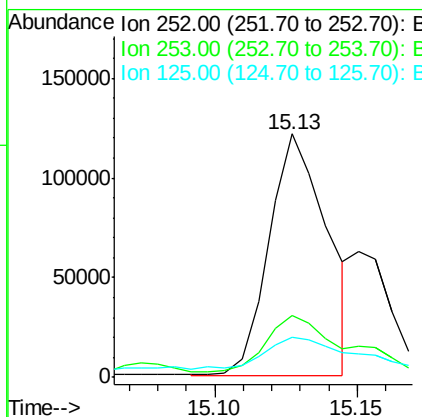
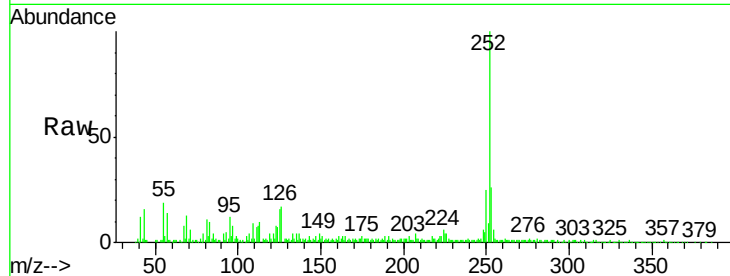
#87
Benzo(b)fluoranthene
Concen: 12.304 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampleId :
SP-35

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6
125	16.4	9.0	13.6

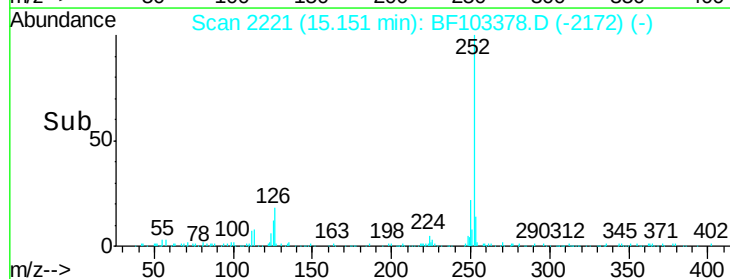
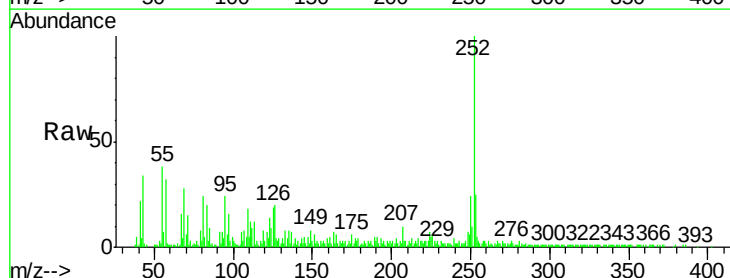
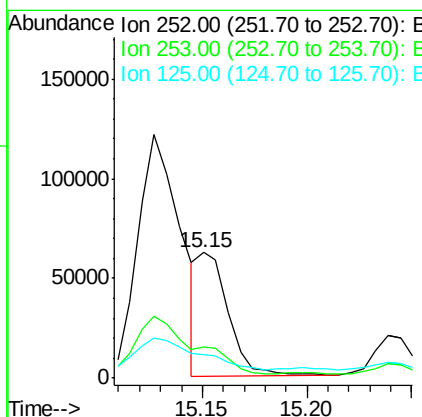
Manual Integrations
APPROVED

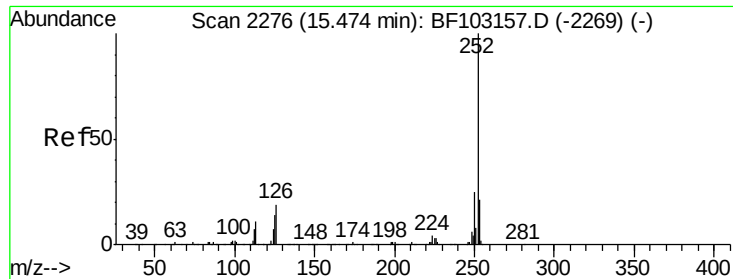
Sohil
3/5/2018 3:13:42 PM



#88
Benzo(k)fluoranthene
Concen: 4.642 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	18.6	10.2	15.2





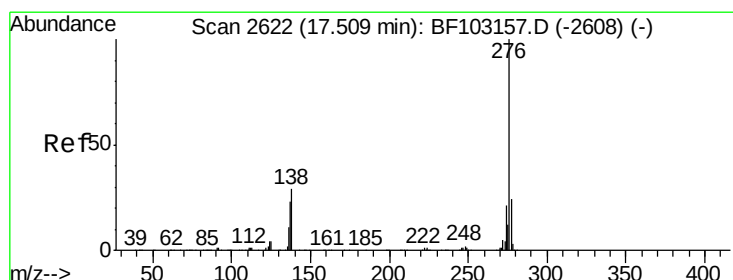
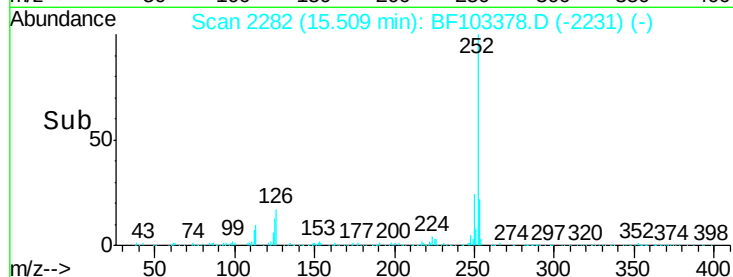
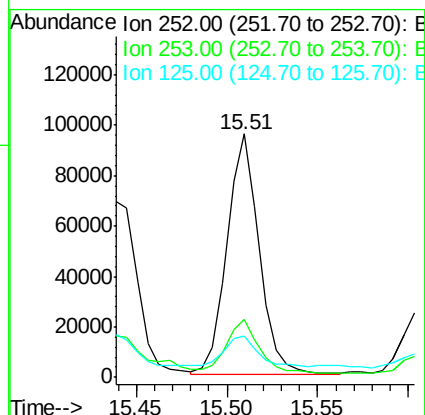
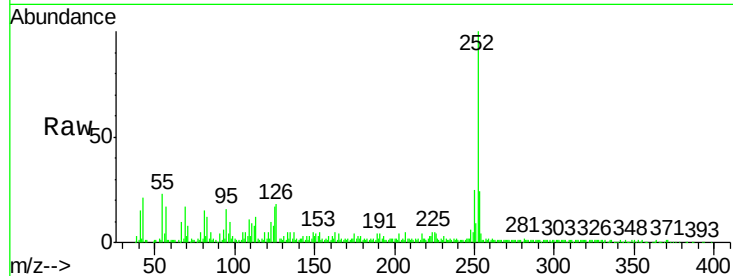
#89
Benzo(a)pyrene
Concen: 9.463 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampleId :
SP-35

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	17.0	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:42 PM



#91
Benzo(g,h,i)perylene
Concen: 6.129 ng
RT: 17.58 min Scan# 2634
Delta R.T. -0.00 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9
138	39.9	21.8	32.8

