

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103376.D
 Acq On : 2 Mar 2018 20:10
 Operator : SJ/JU
 Sample : J1720-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-42

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:13:35 PM

Quant Time: Mar 05 03:07:15 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	155990	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	639418	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	254410	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	362288	20.00	ng	0.00
75) Chrysene-d12	14.06	240	244413	20.00	ng	0.00
86) Perylene-d12	15.57	264	207242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1125208	109.10	ng	0.00
7) Phenol-d6	6.52	99	1335838	105.85	ng	0.00
23) Nitrobenzene-d5	7.45	82	865672	77.32	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	201297	93.48	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1071970	69.46	ng	0.00
78) Terphenyl-d14	12.99	244	666085	65.51	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.63	163	115645	5.666	ng	99
70) Phenanthrene	11.43	178	248856	12.482	ng	99
71) Anthracene	11.49	178	82648	4.042	ng	98
74) Fluoranthene	12.63	202	368519	18.393	ng	98
77) Pyrene	12.86	202	326879	17.154	ng	99
80) Benzo(a)anthracene	14.05	228	175494	11.066	ng	98
82) Chrysene	14.09	228	157235	10.211	ng	96
85) Indeno(1,2,3-cd)pyrene	17.11	276	58186	4.773	ng	94
87) Benzo(b)fluoranthene	15.13	252	194350m	14.263	ng	
88) Benzo(k)fluoranthene	15.16	252	50351m	3.924	ng	
89) Benzo(a)pyrene	15.51	252	122245	10.046	ng	# 93
91) Benzo(a,h,i)perylene	17.58	276	54612	5.943	ng	93

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

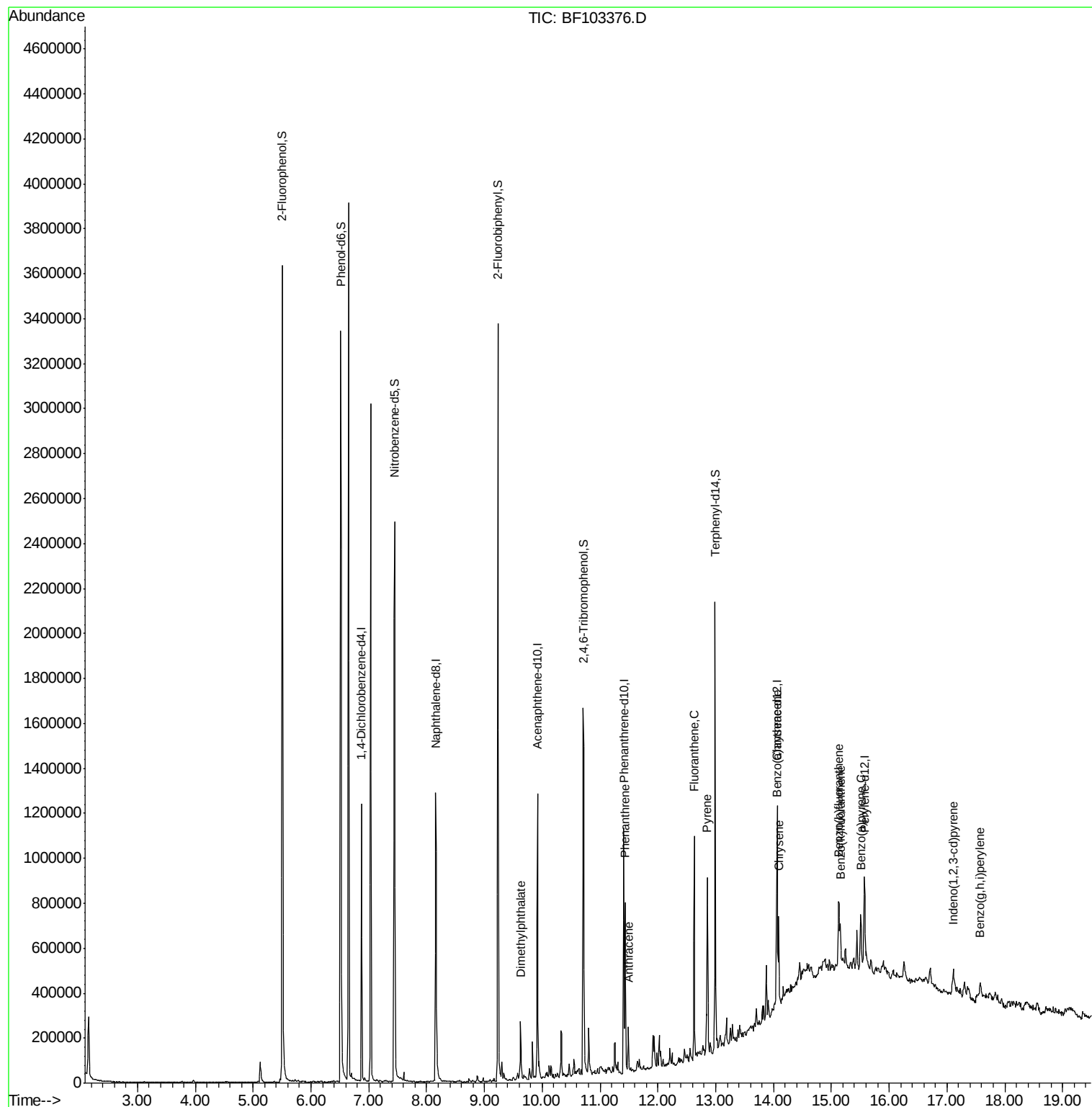
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SP-42

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 PM

Quant Time: Mar 05 03:07:15 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

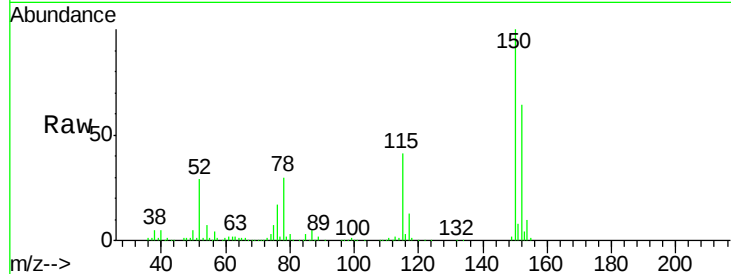
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	64.7	50.1	75.1

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 PM

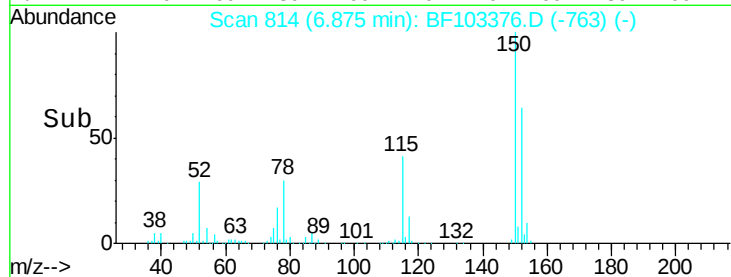
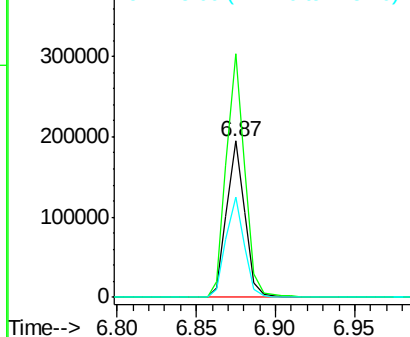


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

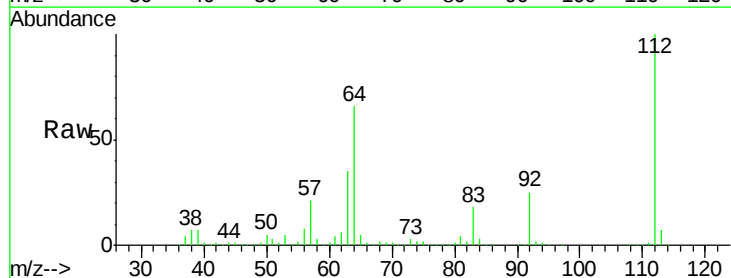
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.097 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	34.6	23.7	35.5

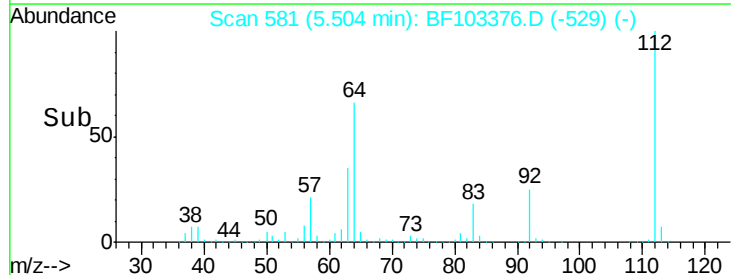
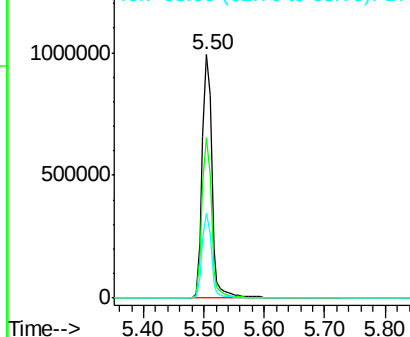


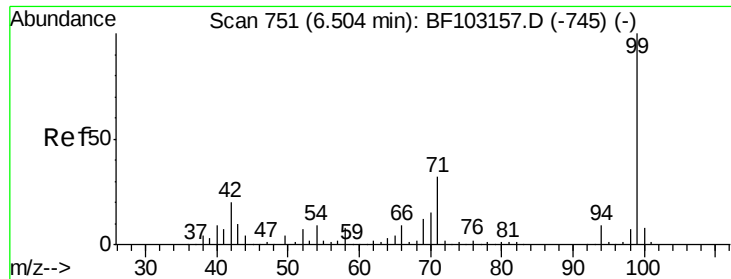
Abundance

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: 105.846 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampled :

SP-42

Tot Ion: 99 Resp: 1335838

Ion Ratio Lower Upper

99 100

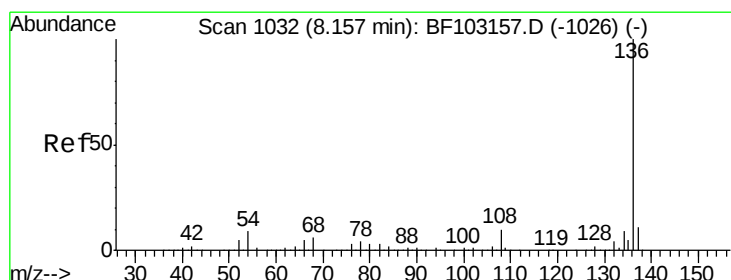
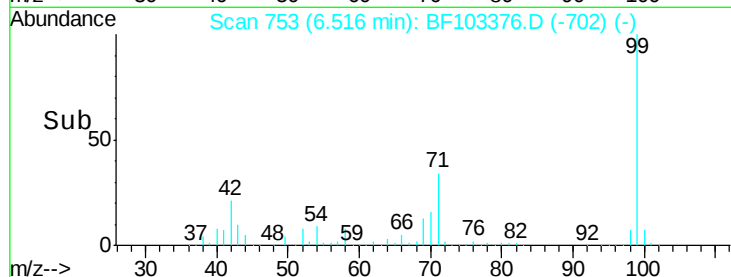
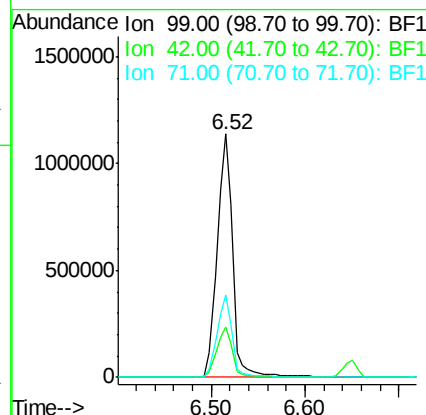
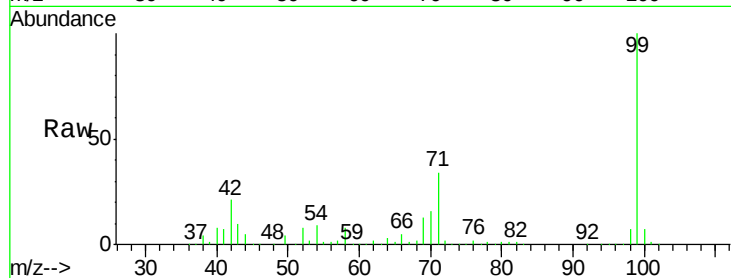
42 20.9 14.5 21.7

71 34.0 25.4 38.0

Manual Integrations
APPROVED

Sohil

3/5/2018 3:13:35 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Tgt Ion: 136 Resp: 639418

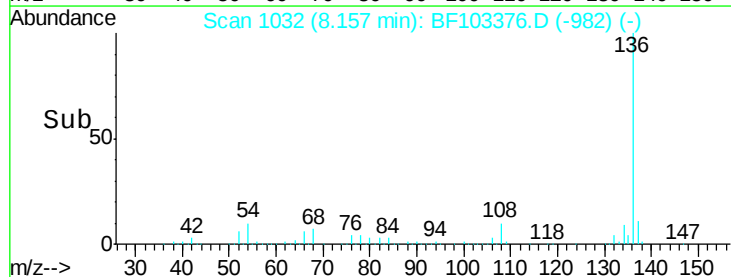
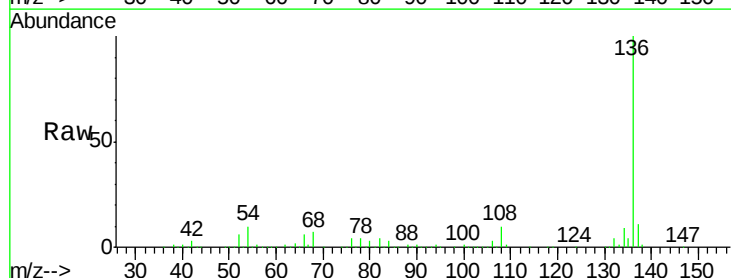
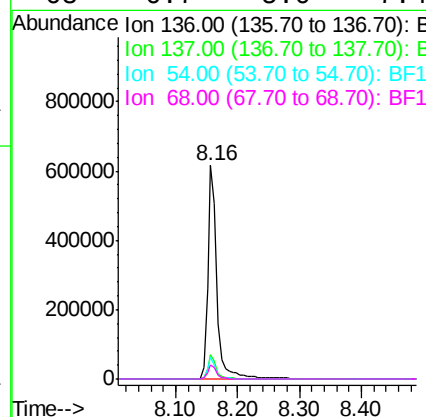
Ion Ratio Lower Upper

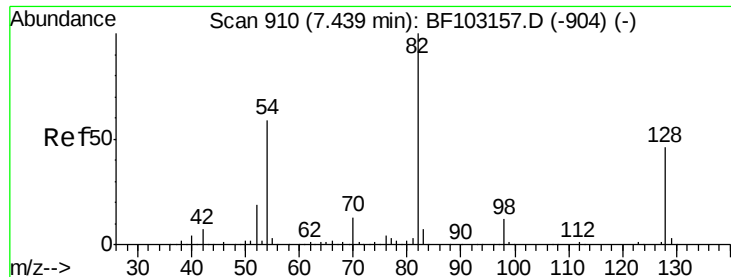
136 100

137 11.1 8.9 13.3

54 9.9 6.6 9.8#

68 6.7 5.0 7.4





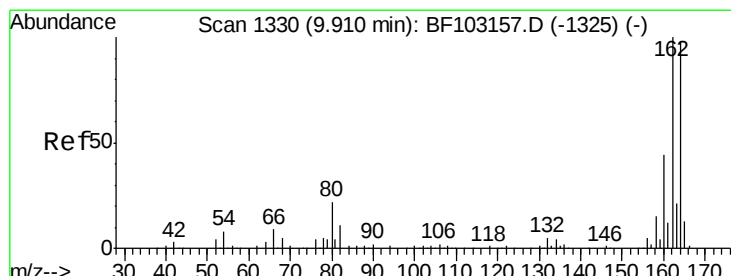
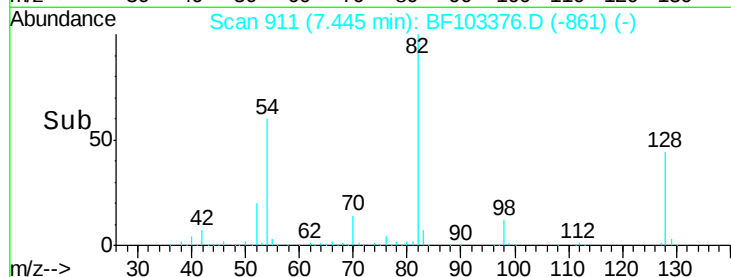
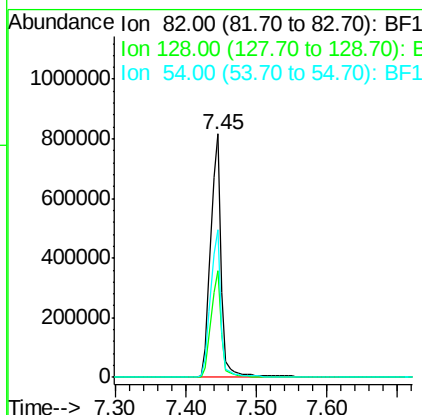
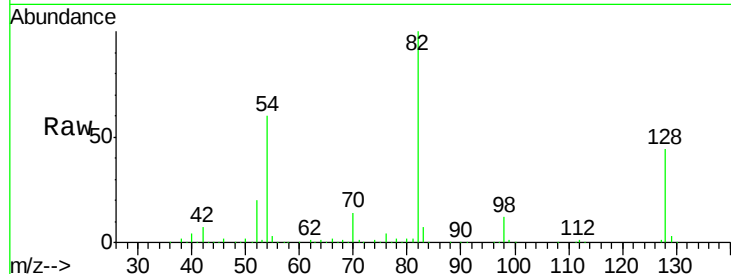
#23
 Nitrobenzene-d5
 Concen: 77.316 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Instrument :
 BNA_F
 ClientSampled :
 SP-42

Tot Ion	82	Resp	865672
Ion Ratio	100	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	60.5	41.4	62.2

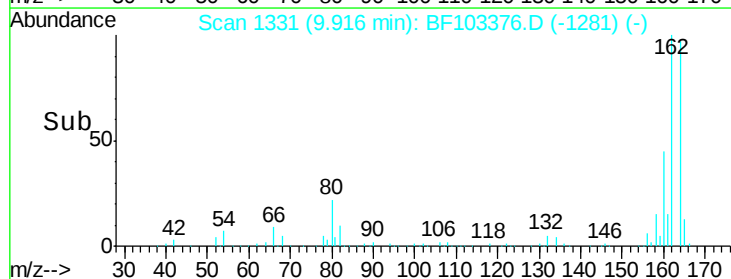
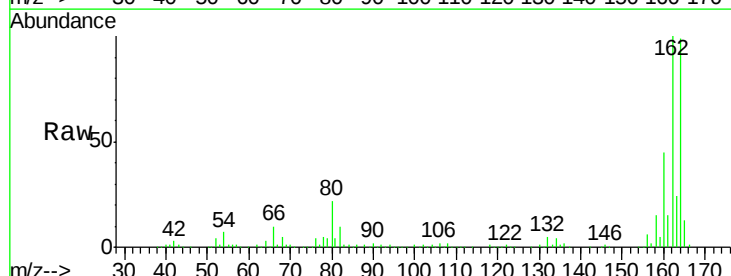
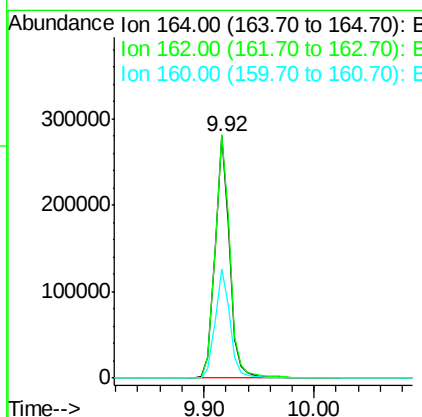
Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:13:35 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Tgt Ion	164	Resp	254410
Ion Ratio	100	Lower	Upper
164	100		
162	100.5	86.1	129.1
160	45.3	38.3	57.5





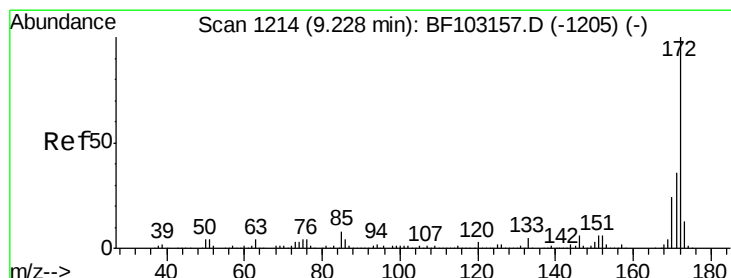
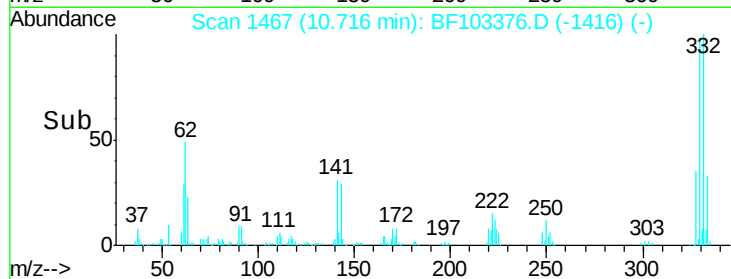
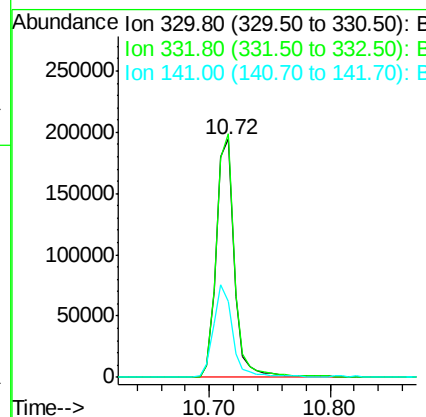
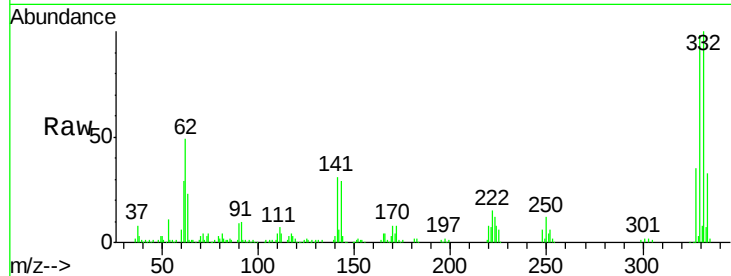
#41
 2,4,6-Tribromophenol
 Concen: 93.477 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Instrument :
 BNA_F
 ClientSampled :
 SP-42

Tot Ion	Ratio	Resp	Lower	Upper
330	100	201297		
332	102.0	77.0	115.6	
141	41.7	29.9	44.9	

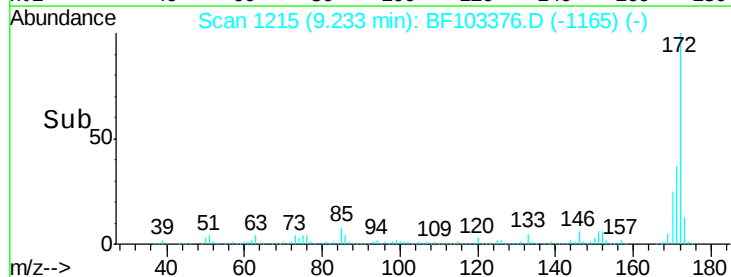
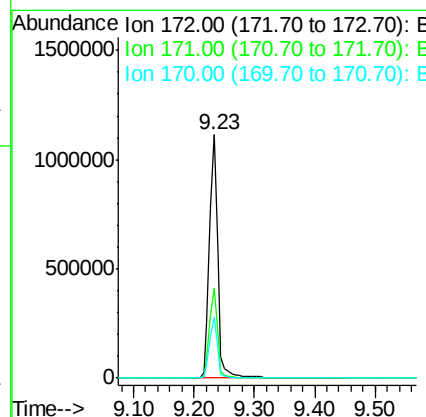
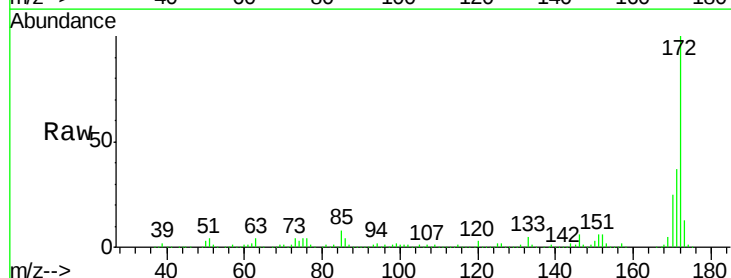
Manual Integrations
 APPROVED

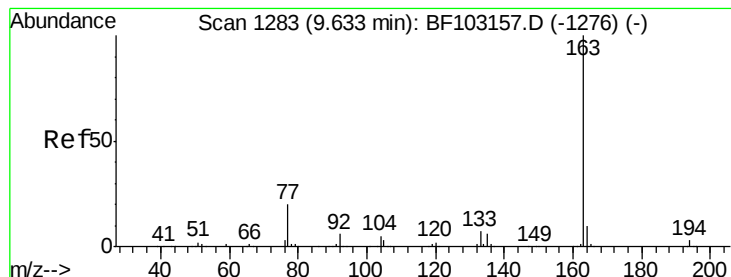
Sohil
 3/5/2018 3:13:35 PM



#44
 2-Fluorobiphenyl
 Concen: 69.456 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1071970		
171	36.8	29.7	44.5	
170	24.7	19.6	29.4	





#49

Dimethylphthalate

Concen: 5.666 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

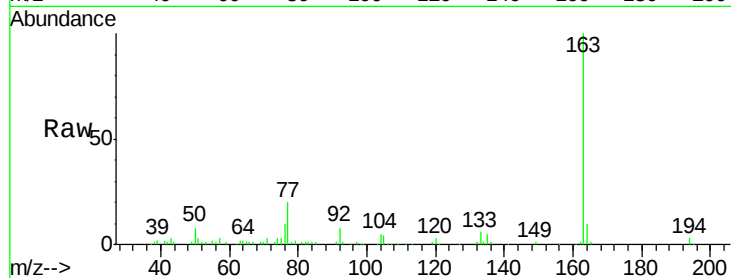
ClientSampleId :

SP-42

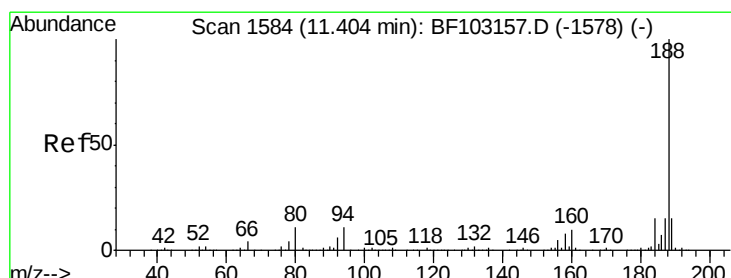
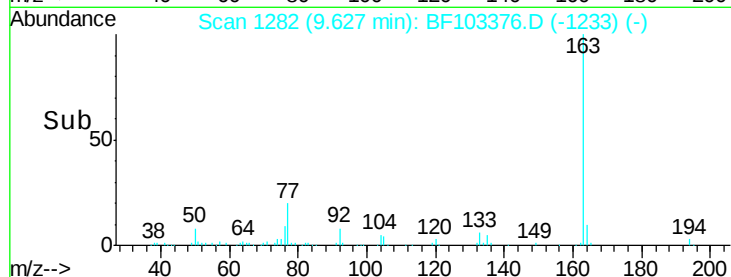
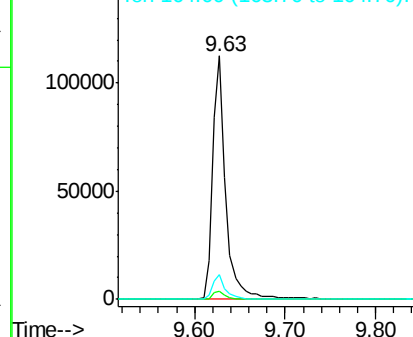
Tot Ion:	163	Resp:	115645
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.7	4.1
164	10.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 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

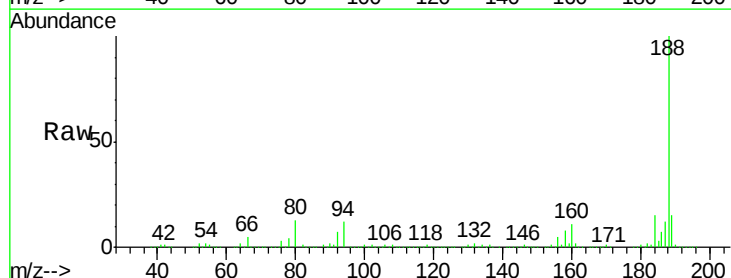
RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

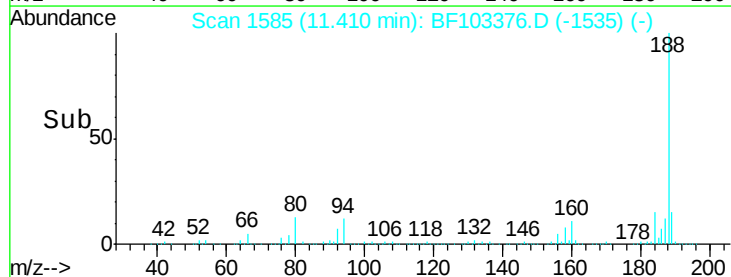
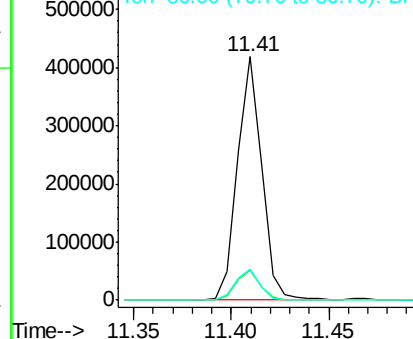
Lab File: BF103376.D

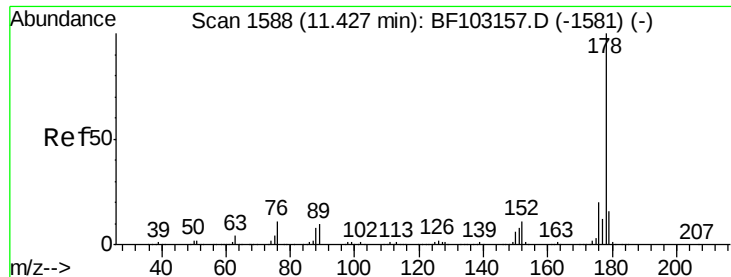
Acq: 2 Mar 2018 20:10

Tgt Ion:	188	Resp:	362288
Ion Ratio	Lower	Upper	
188	100		
94	12.2	8.5	12.7
80	13.0	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 12.482 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

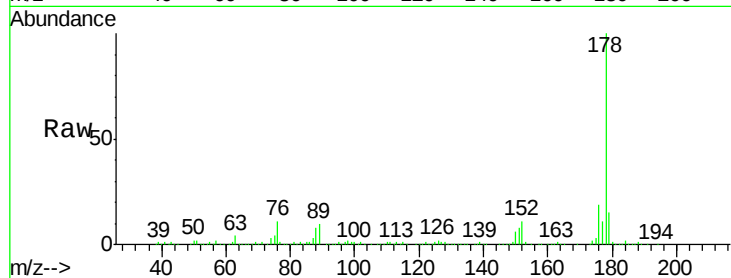
ClientSampled :

SP-42

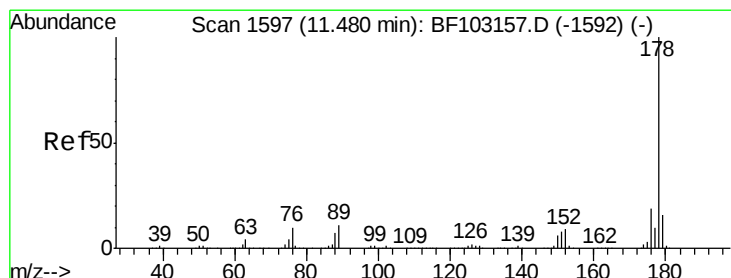
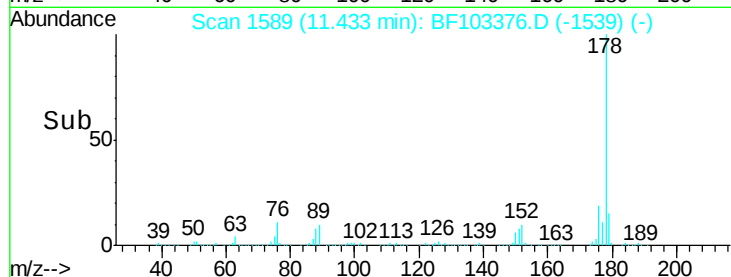
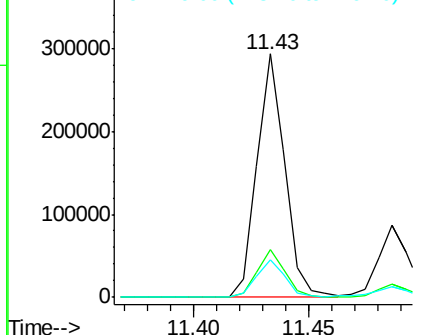
Tot Ion:	178	Resp:	248856
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 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



#71

Anthracene

Concen: 4.042 ng

RT: 11.49 min Scan# 1598

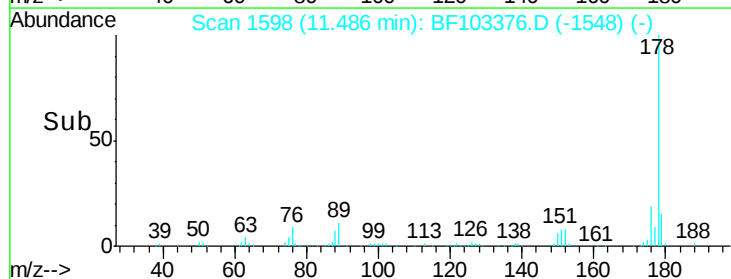
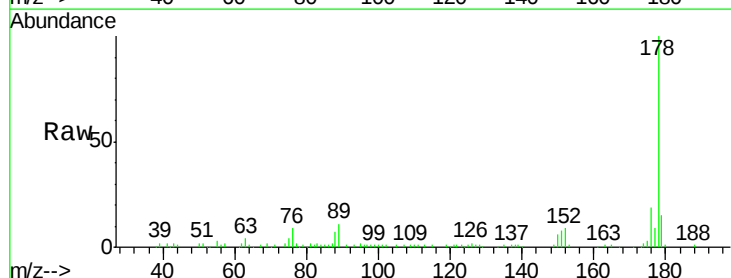
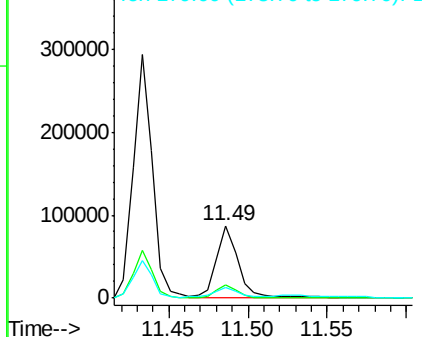
Delta R.T. -0.01 min

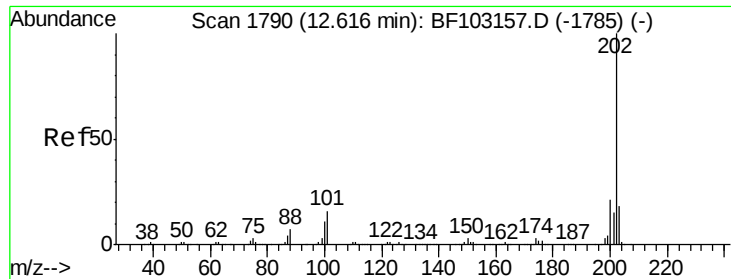
Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Tgt Ion:	178	Resp:	82648
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.4	23.2
179	14.6	12.6	19.0

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





#74

Fluoranthene

Concen: 18.393 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

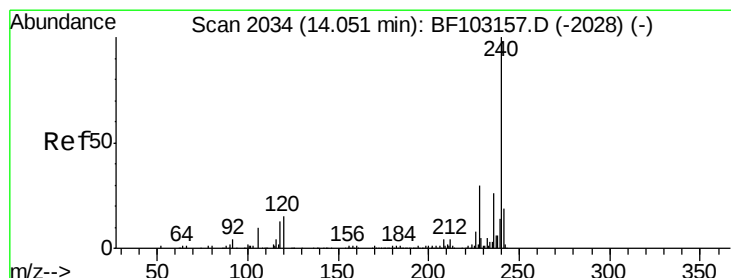
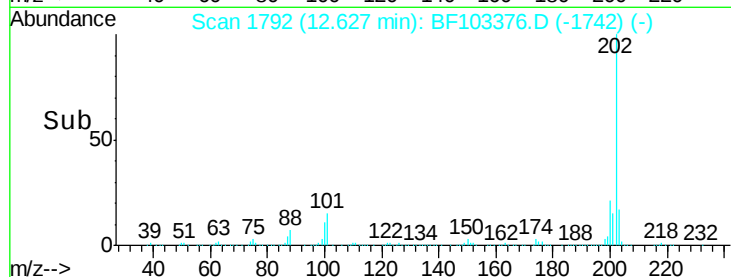
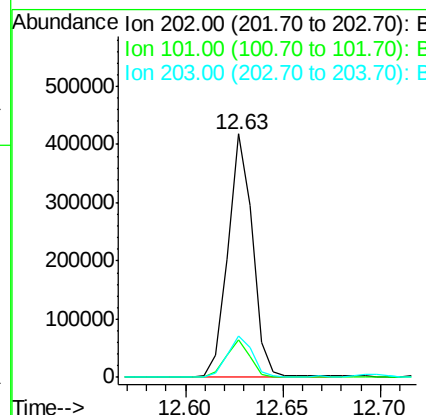
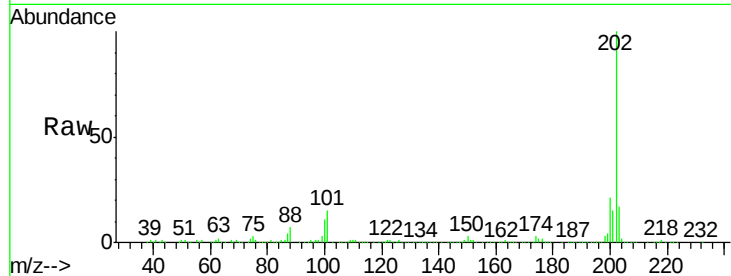
ClientSampled :

SP-42

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.2	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 PM



#75

Chrysene-d12

Concen: 20.000 ng

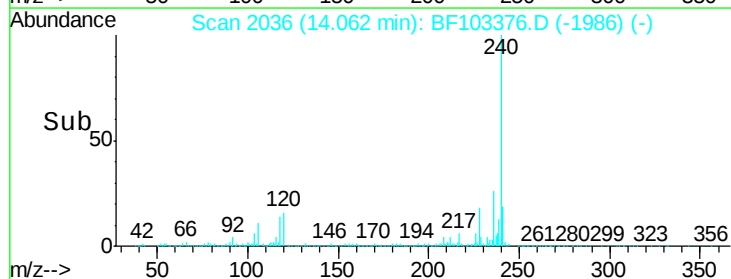
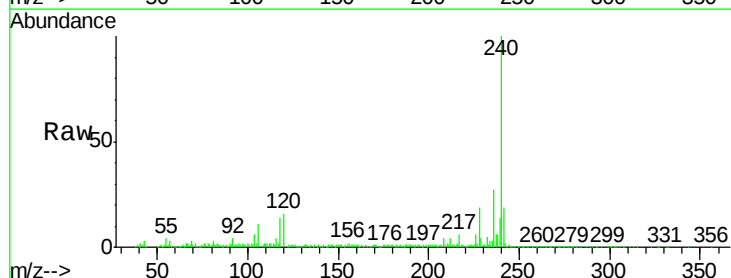
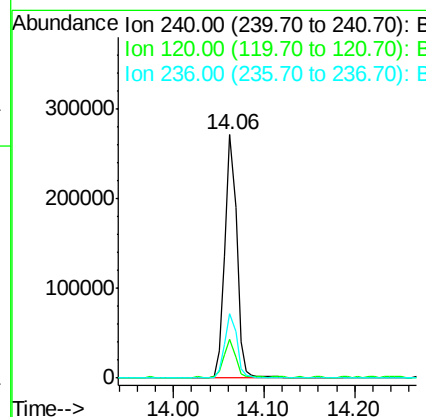
RT: 14.06 min Scan# 2036

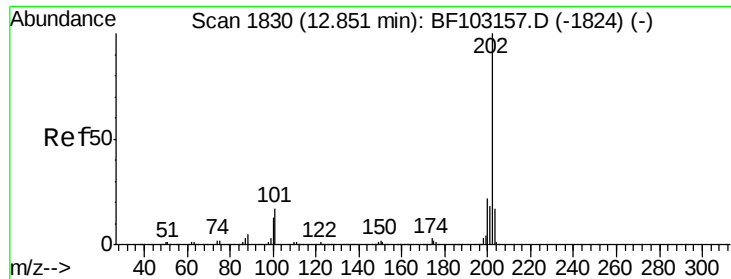
Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.9	9.5	14.3#
236	26.6	20.7	31.1





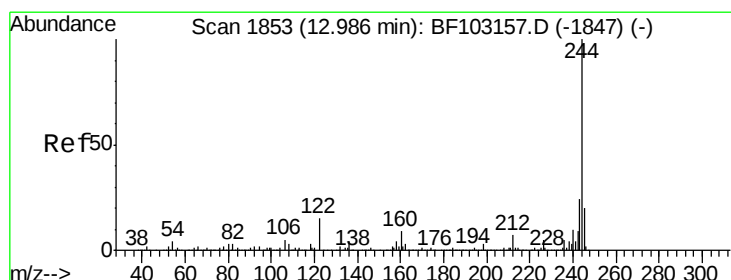
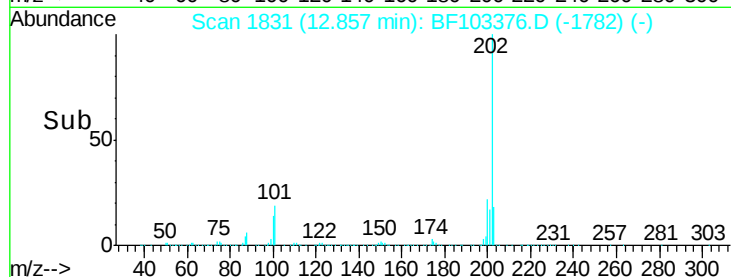
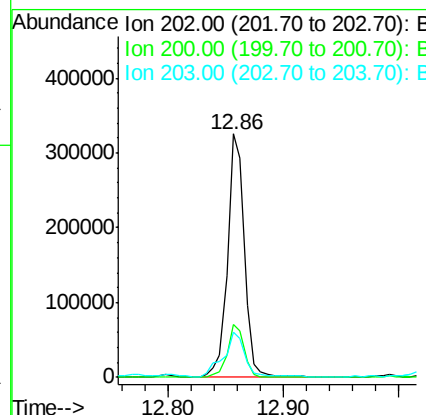
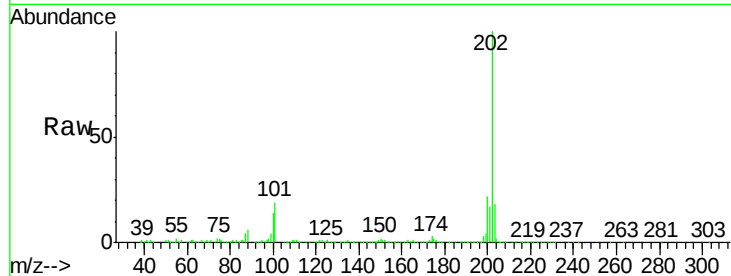
#77
Pvrene
Concen: 17.154 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampleId :
SP-42

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.5	14.3	21.5

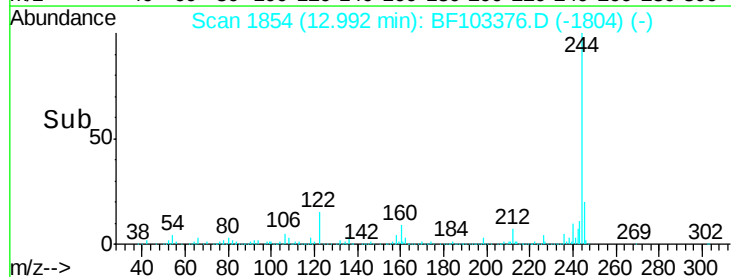
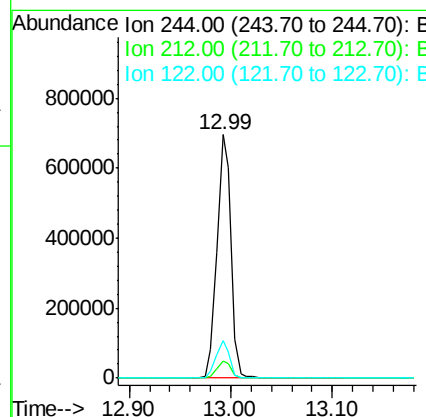
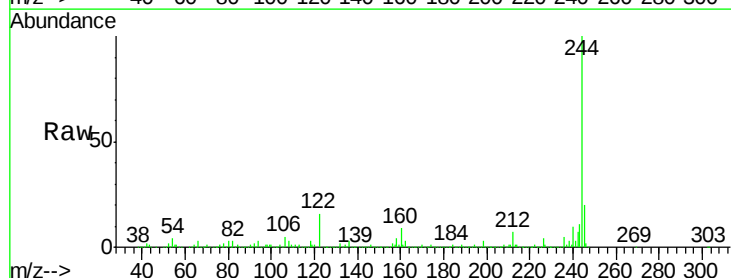
Manual Integrations
APPROVED

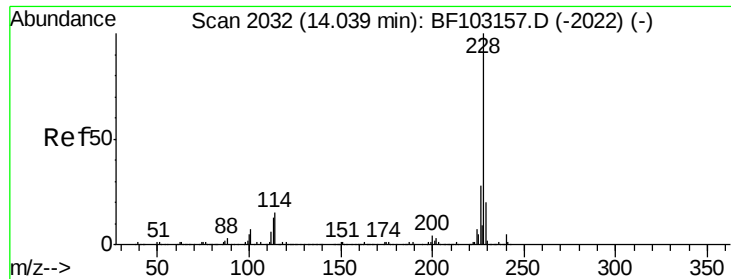
Sohil
3/5/2018 3:13:35 PM



#78
Terphenyl-d14
Concen: 65.511 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.5	11.0	16.4





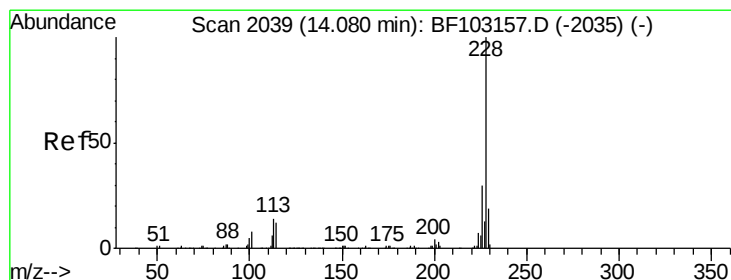
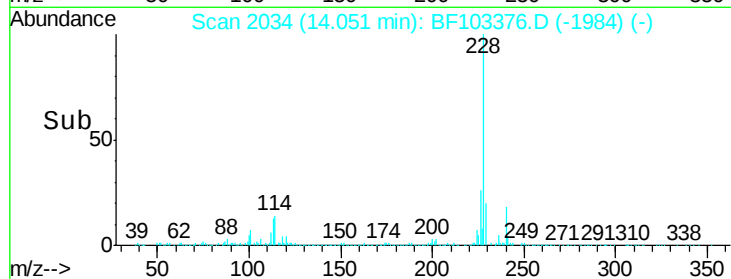
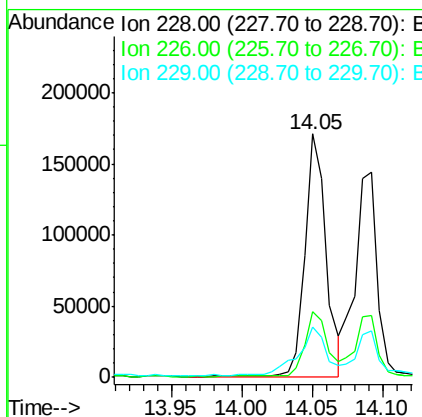
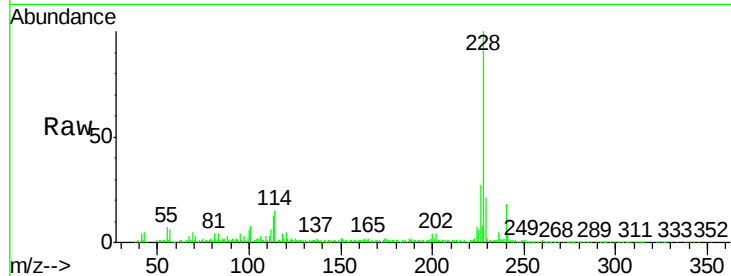
#80
Benzo(a)anthracene
Concen: 11.066 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	20.9	15.8	23.6

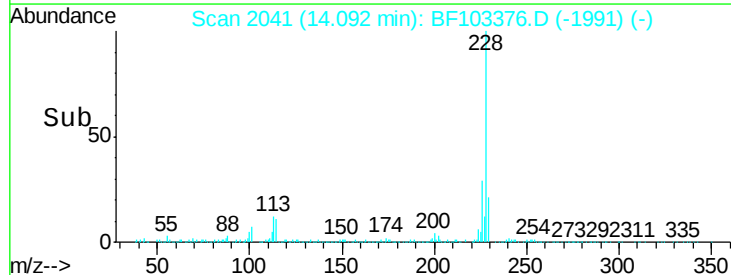
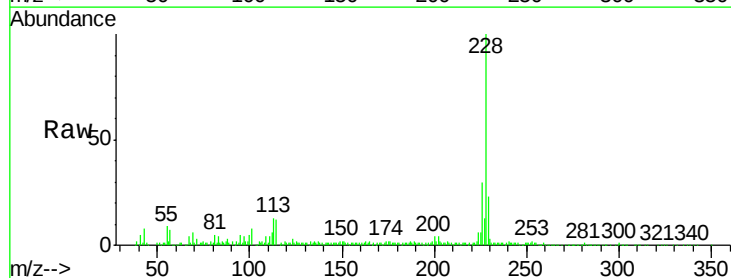
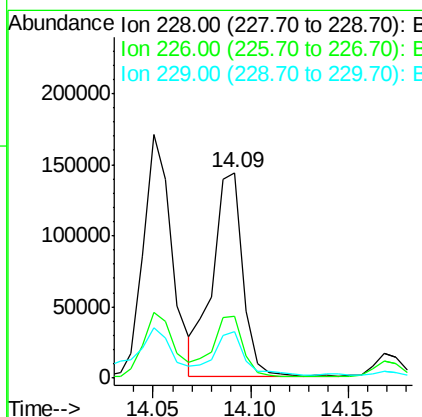
Manual Integrations
APPROVED

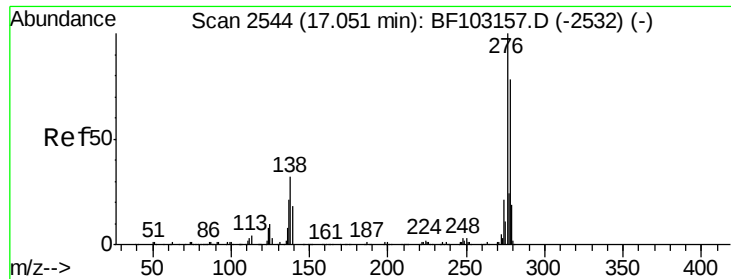
Sohil
3/5/2018 3:13:35 PM



#82
Chrysene
Concen: 10.211 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.7	16.2	24.4





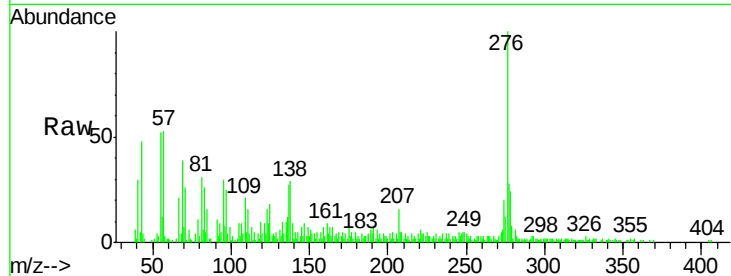
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.773 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	22.6	20.1	30.1

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 PM

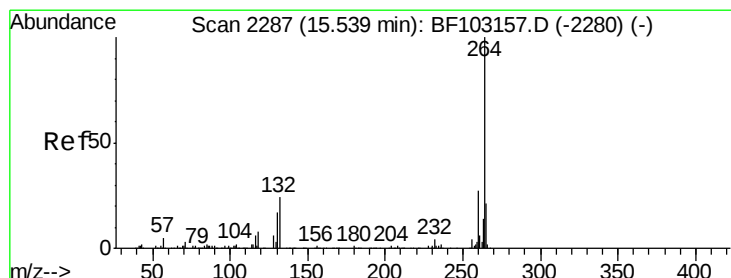
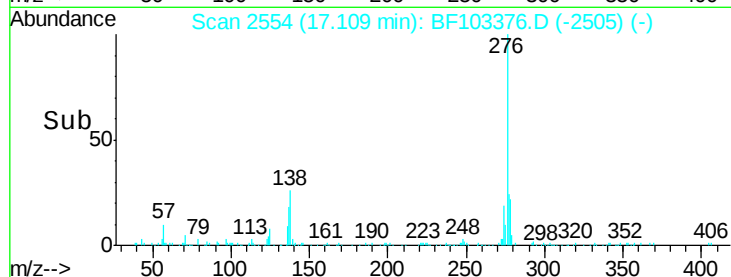
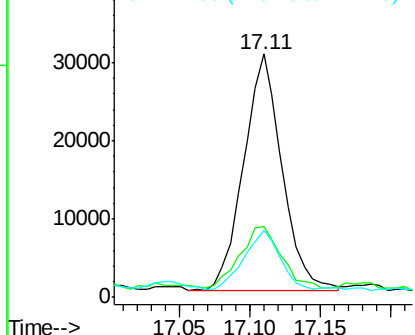


Abundance

Ion 276.00 (275.70 to 276.70): E

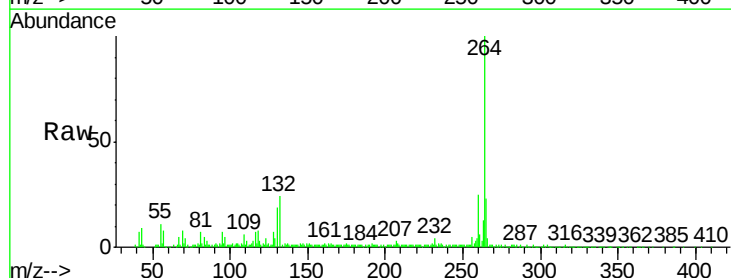
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.5	17.5	26.3

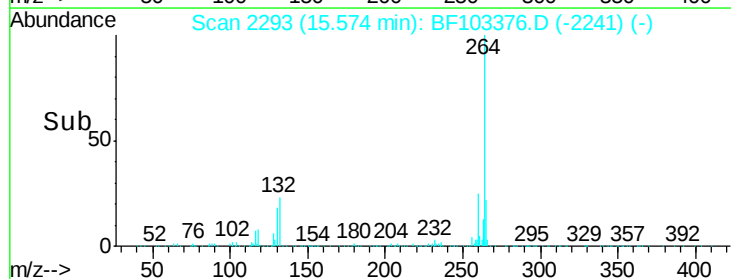
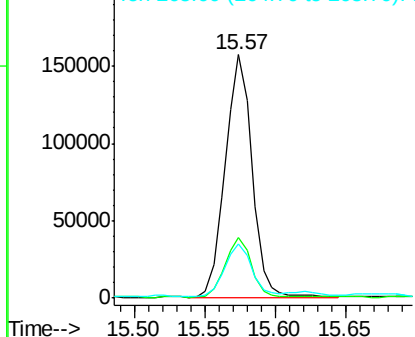


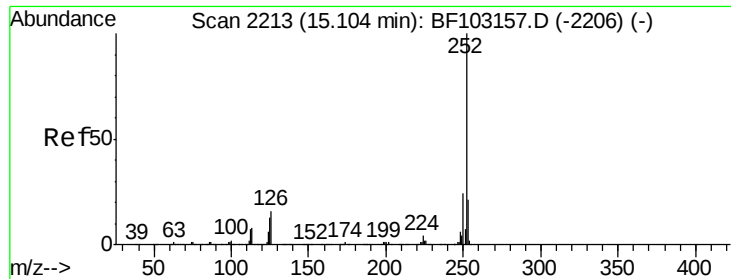
Abundance

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





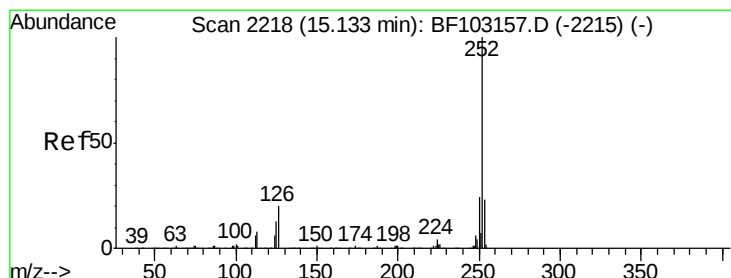
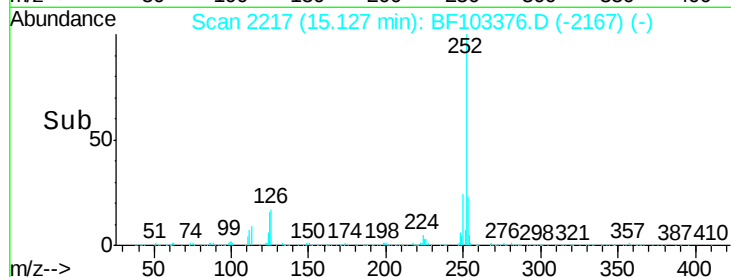
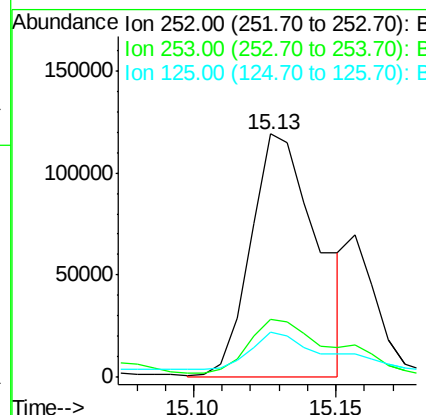
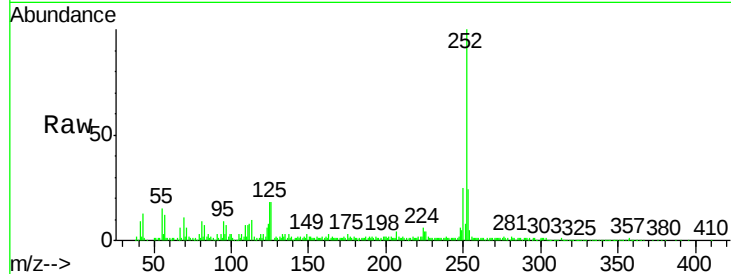
#87
Benzo(b)fluoranthene
Concen: 14.263 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	18.4	9.0	13.6

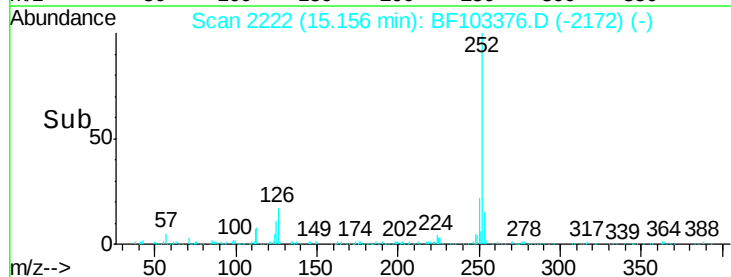
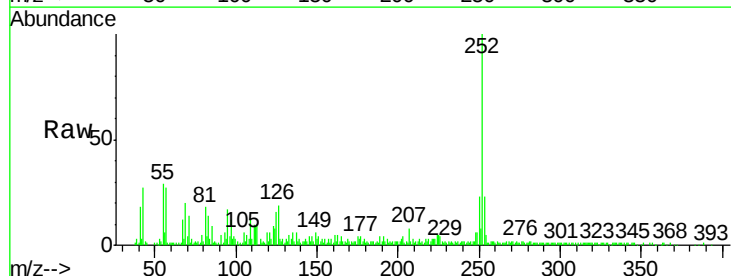
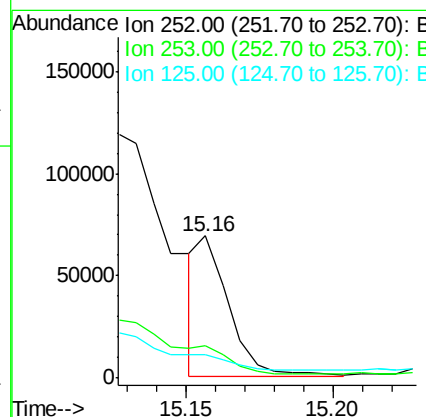
Manual Integrations
APPROVED

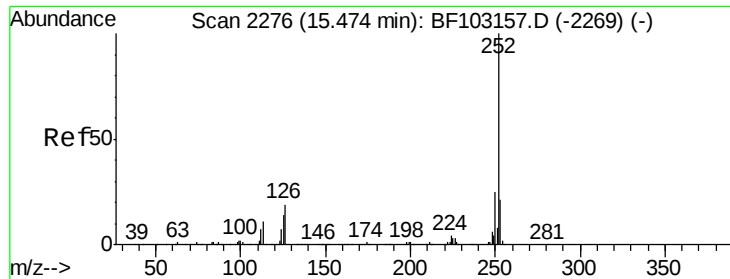
Sohil
3/5/2018 3:13:35 PM



#88
Benzo(k)fluoranthene
Concen: 3.924 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	16.5	10.2	15.2





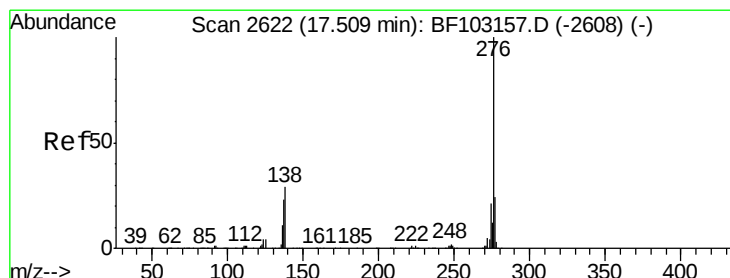
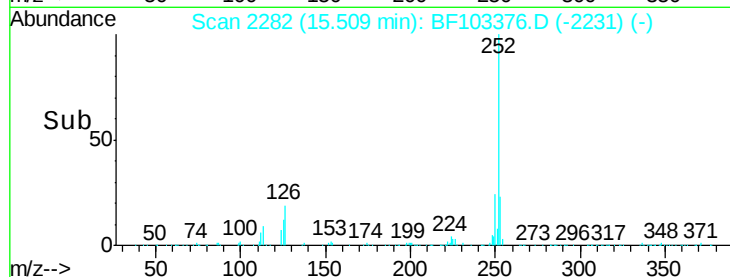
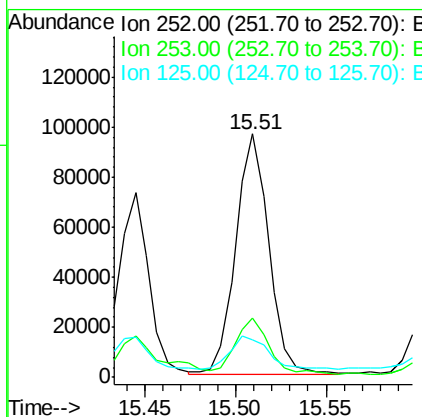
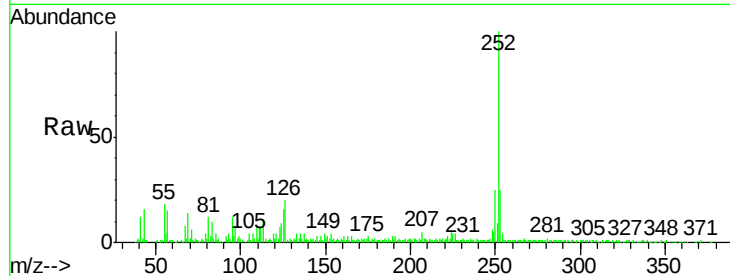
#89
Benzo(a)pyrene
Concen: 10.046 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampled :
SP-42

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	15.6	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/5/2018 3:13:35 PM



#91
Benzo(g,h,i)perylene
Concen: 5.943 ng
RT: 17.58 min Scan# 2634
Delta R.T. -0.00 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	30.0	21.8	32.8

