

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103479.D
 Acq On : 7 Mar 2018 1:54
 Operator : SJ/JU
 Sample : J1810-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHA-WCS

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:17:45 PM

Quant Time: Mar 07 06:42:18 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	129442	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	525769	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	206180	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	299695	20.00	ng	0.00
75) Chrysene-d12	14.06	240	185161	20.00	ng	0.00
86) Perylene-d12	15.57	264	143166	20.00	ng	0.00

Sohil

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	847959	99.08	ng	0.00
7) Phenol-d6	6.51	99	1071446	102.31	ng	0.00
23) Nitrobenzene-d5	7.43	82	698114	75.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	131430	75.31	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	870868	69.67	ng	0.00
78) Terphenyl-d14	12.99	244	560573	72.78	ng	0.00

3/7/2018 12:17:45 PM

Target Compounds

						Qvalue
49) Dimethylphthalate	9.62	163	93200	5.635	ng	99
51) Acenaphthene	9.95	154	27323	2.228	ng	92
57) Fluorene	10.46	166	36652	2.556	ng	# 96
70) Phenanthrene	11.43	178	447819	27.152	ng	99
71) Anthracene	11.49	178	129440	7.653	ng	100
72) Carbazole	11.65	167	48767	2.896	ng	# 94
74) Fluoranthene	12.63	202	637856	38.486	ng	98
77) Pyrene	12.86	202	584795	40.509	ng	100
80) Benzo(a)anthracene	14.05	228	258800	21.542	ng	98
82) Chrysene	14.09	228	243994	20.916	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	93472	10.121	ng	96
87) Benzo(b)fluoranthene	15.13	252	244756m	26.002	ng	
88) Benzo(k)fluoranthene	15.16	252	69236m	7.811	ng	
89) Benzo(a)pyrene	15.51	252	164833	19.609	ng	# 90
90) Dibenzo(a,h)anthracene	17.12	278	24203	3.726	ng	# 75
91) Benzo(g,h,i)perylene	17.60	276	88281	13.907	ng	91

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

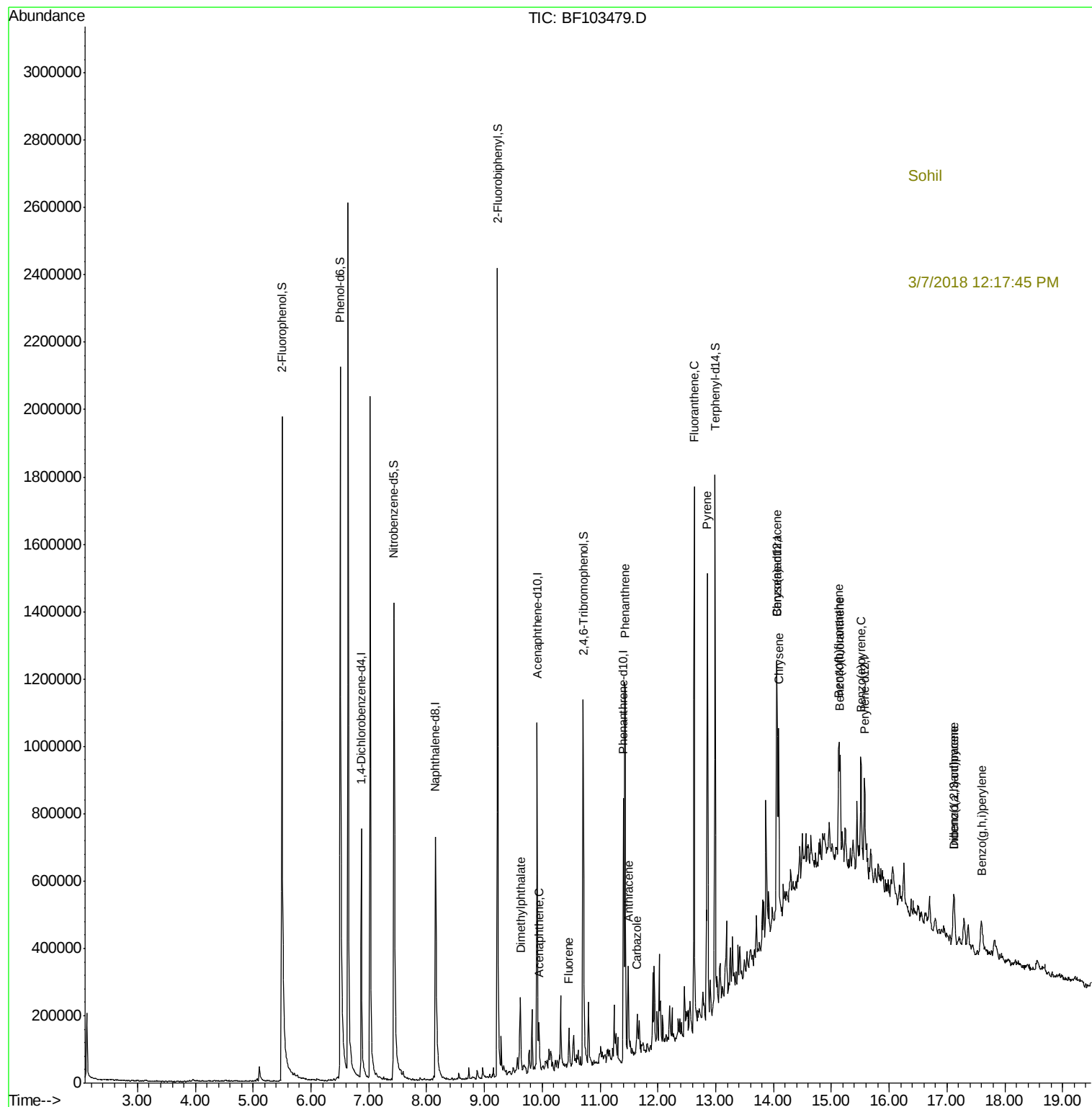
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103479.D
Acq On : 7 Mar 2018 1:54
Operator : SJ/JU
Sample : J1810-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MHA-WCS

Manual Integrations
APPROVED

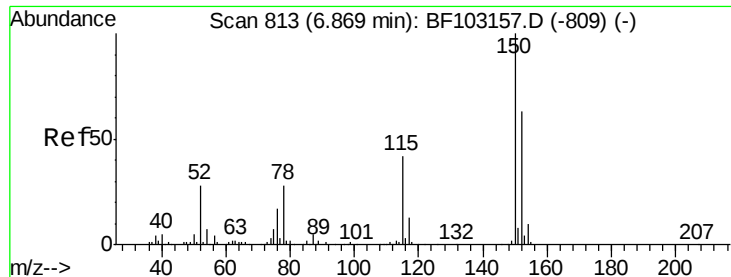
Sohil
3/7/2018 12:17:45 PM

Quant Time: Mar 07 06:42:18 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



Sohil

3/7/2018 12:17:45 PM



#1

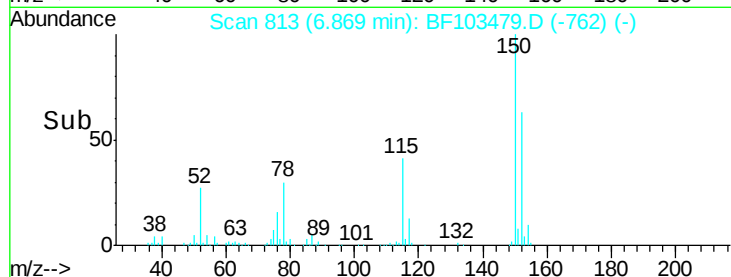
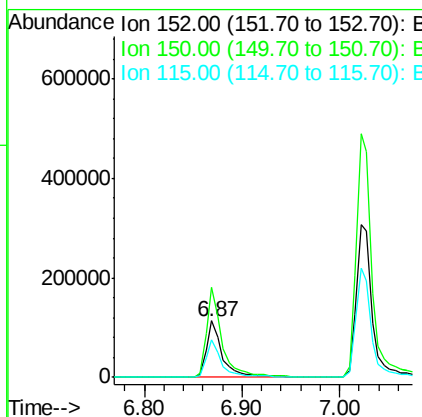
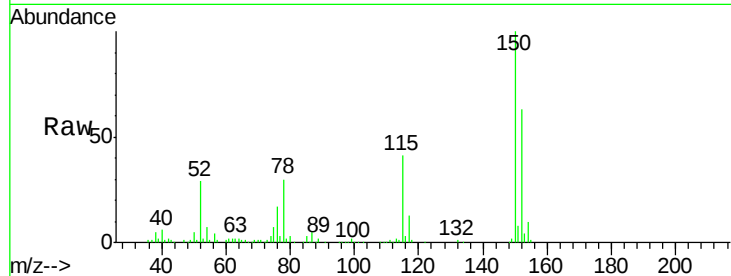
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampled :
MHA-WCS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.6	186.8
115	66.2	50.1	75.1

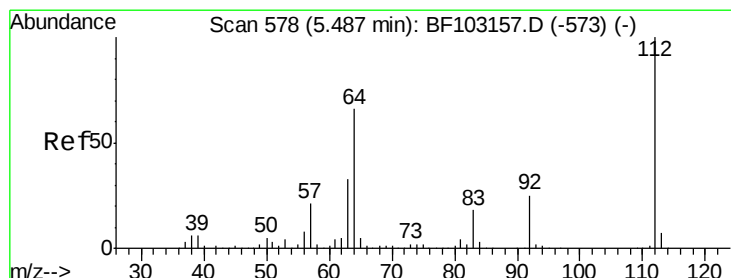
Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM



Sohil

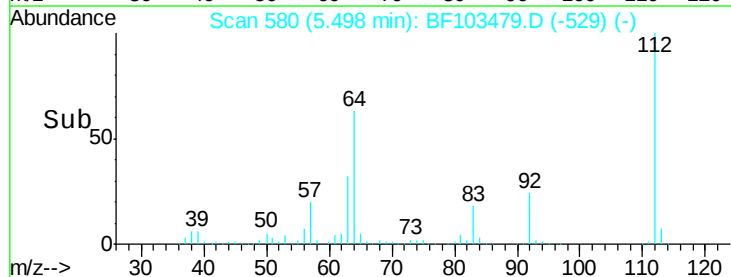
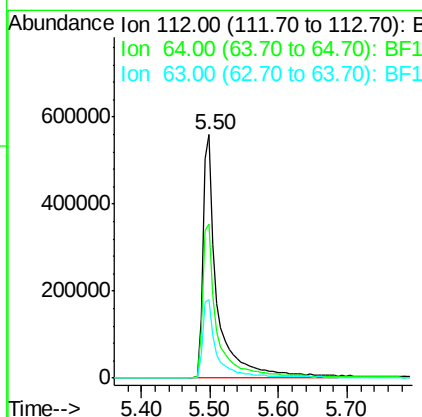
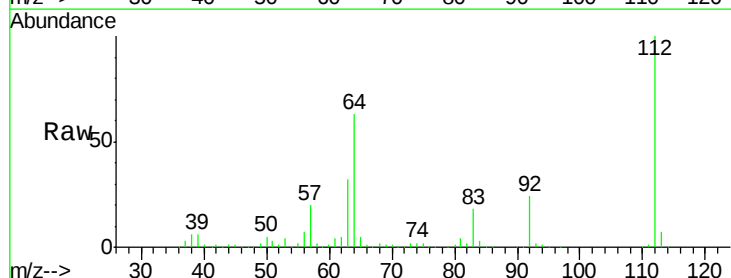
3/7/2018 12:17:45 PM

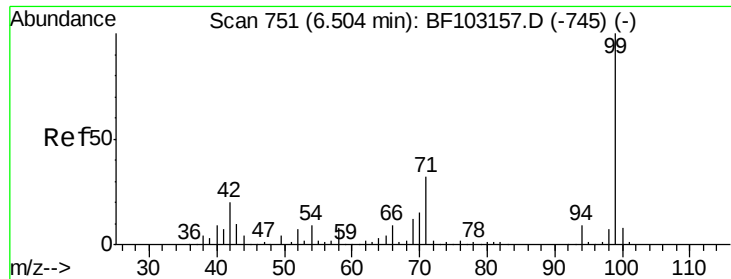


#5

2-Fluorophenol
Concen: 99.077 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	32.1	23.7	35.5





#7

Phenol-d6

Concen: 102.309 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

ClientSampled :

MHA-WCS

Tot Ion: 99 Resp: 1071446

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

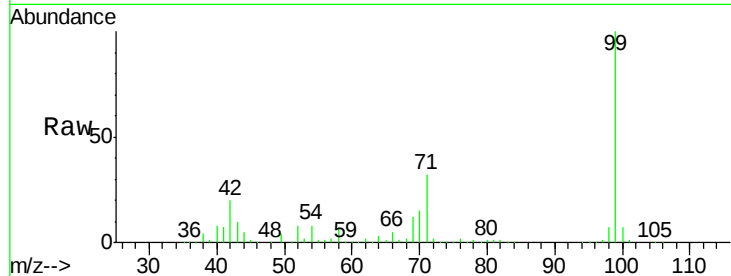
71 31.7 25.4 38.0

Manual Integrations

APPROVED

Sohil

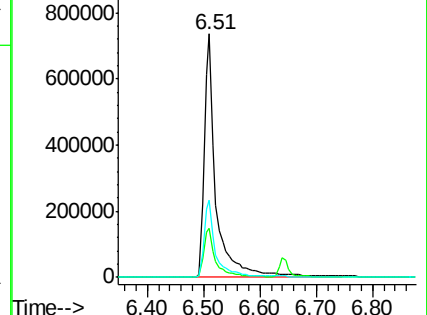
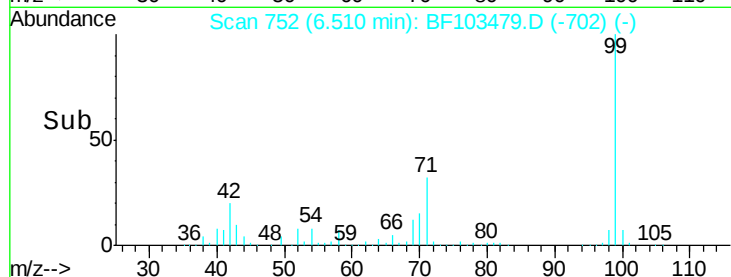
3/7/2018 12:17:45 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

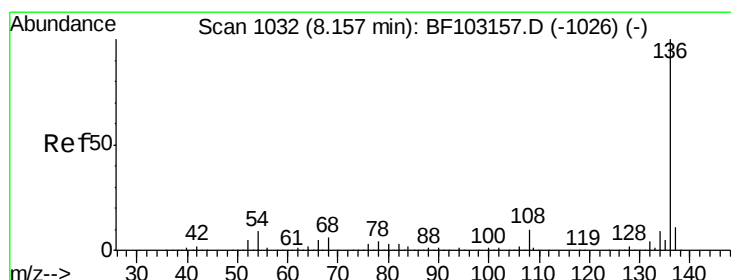
Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Sohil

3/7/2018 12:17:45 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Tgt Ion: 136 Resp: 525769

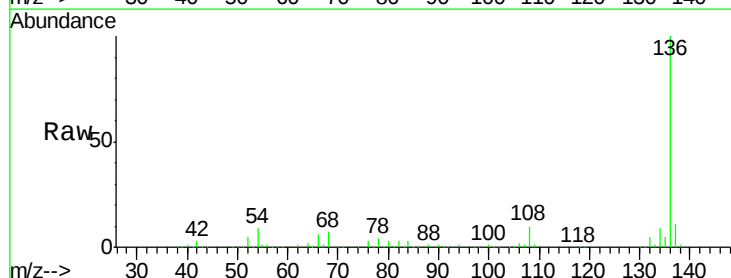
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.8 6.6 9.8

68 6.8 5.0 7.4

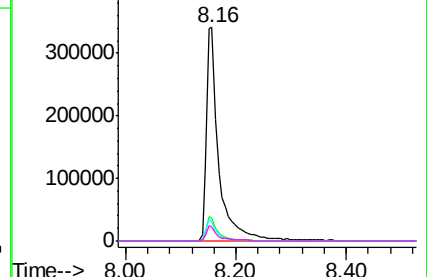
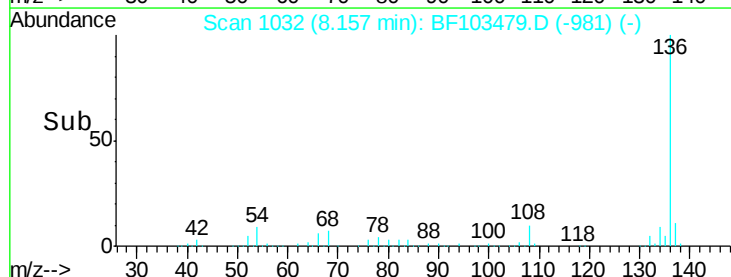


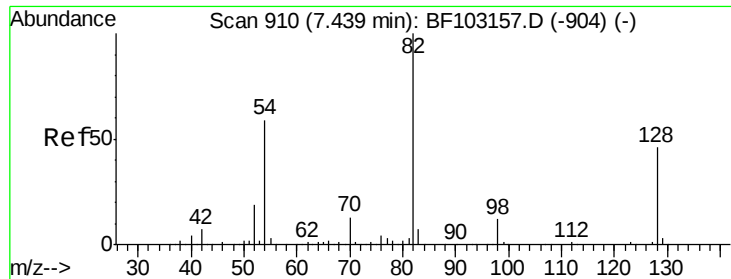
Abundance Ion 136.00 (135.70 to 136.70): E

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





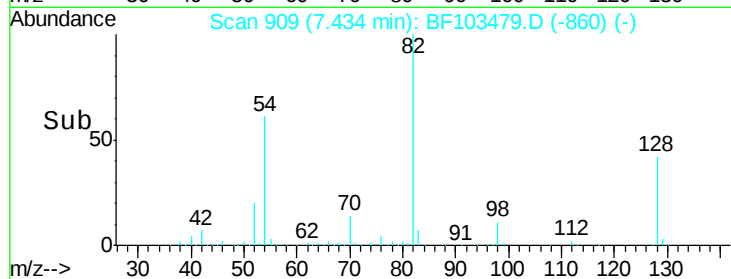
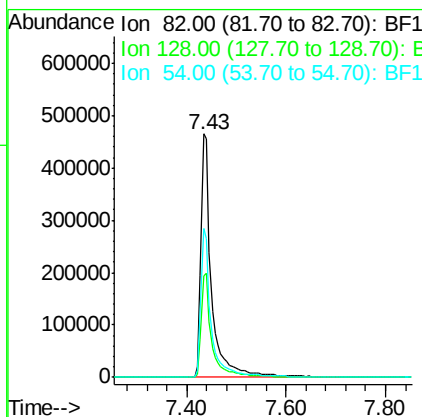
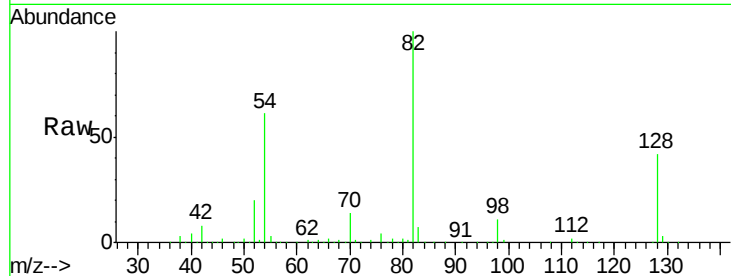
#23
Nitrobenzene-d5
Concen: 75.828 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampleId :
MHA-WCS

Tot Ion	82	Resp	698114
Ion Ratio	100	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	61.3	41.4	62.2

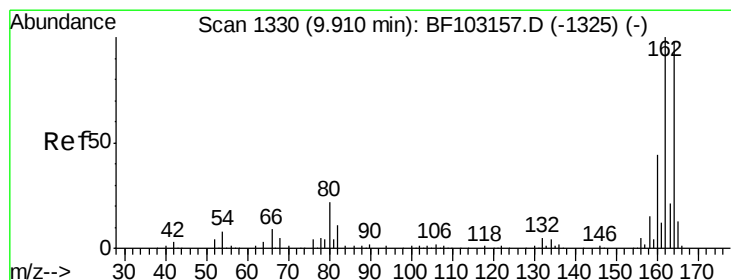
Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM



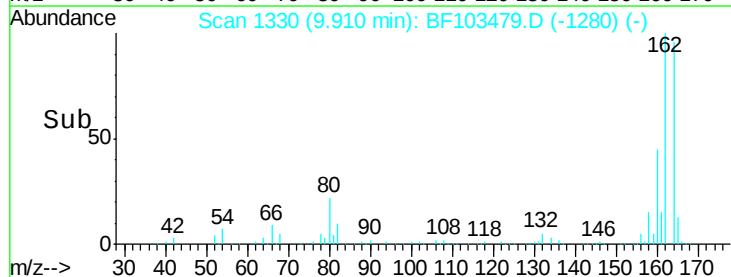
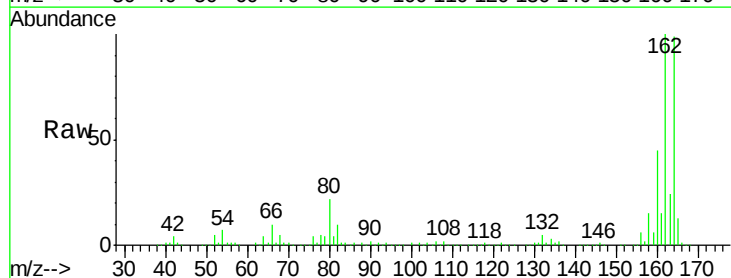
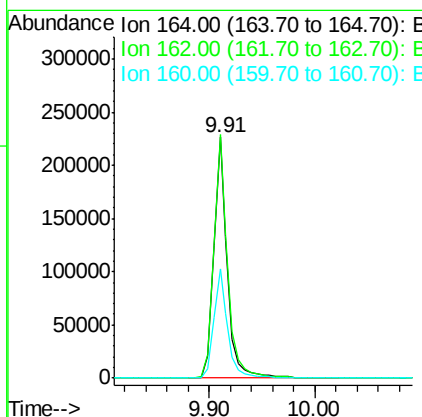
Sohil

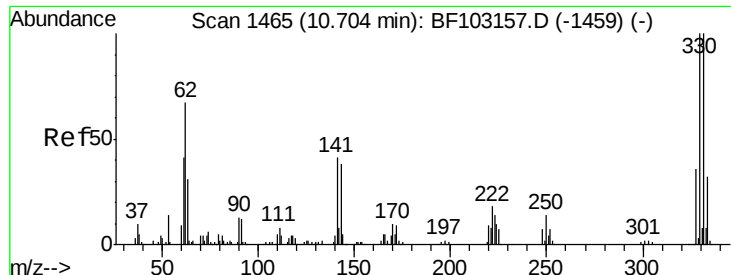
3/7/2018 12:17:45 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion	164	Resp	206180
Ion Ratio	100	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	45.5	38.3	57.5





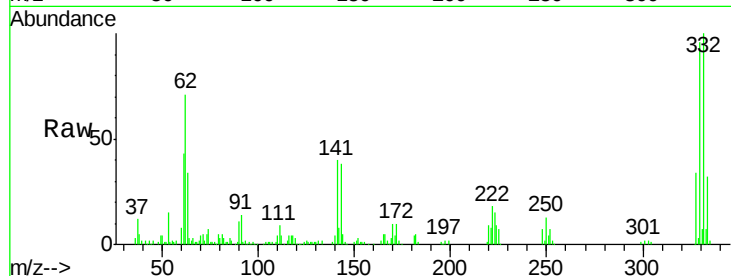
#41
 2,4,6-Tribromophenol
 Concen: 75.309 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Instrument :
 BNA_F
 ClientSampled :
 MHA-WCS

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.7	77.0	115.6
141	47.9	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:17:45 PM

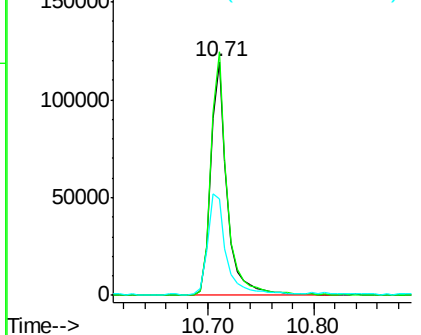


Abundance

Ion 329.80 (329.50 to 330.50): E

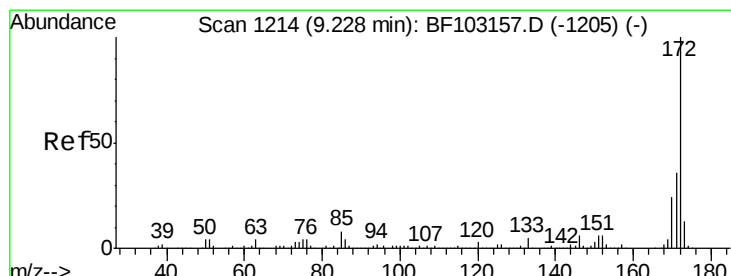
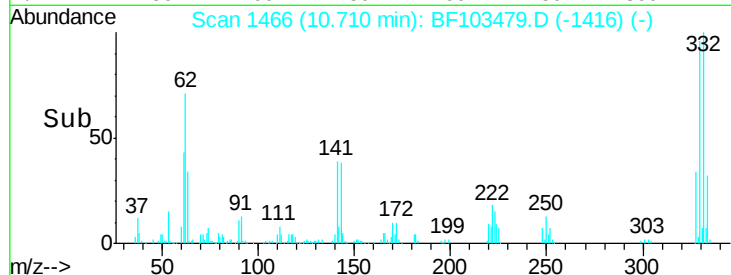
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Sohil

3/7/2018 12:17:45 PM



#44
 2-Fluorobiphenyl
 Concen: 69.668 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

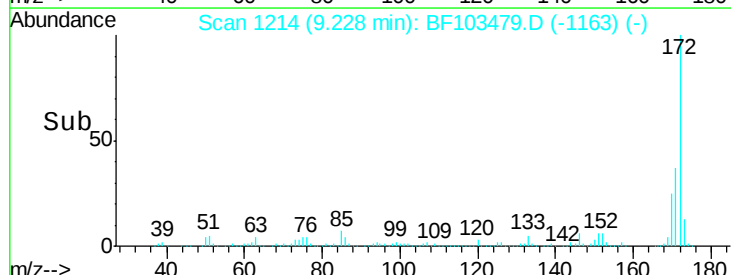
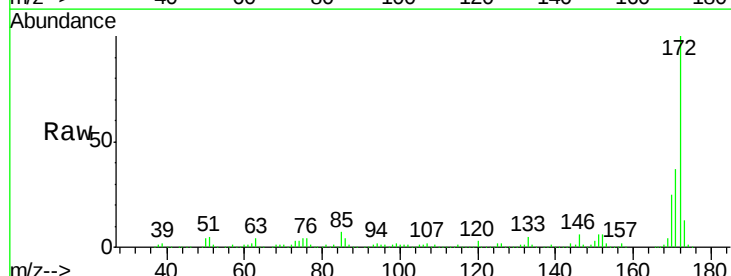
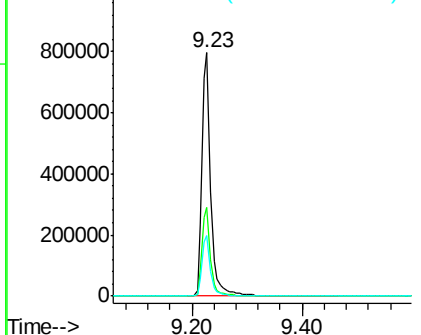
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	19.6	29.4

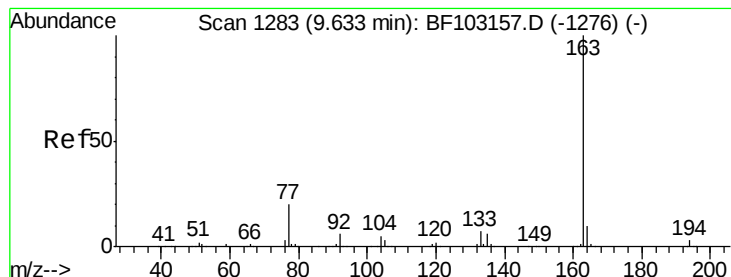
Abundance

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





#49

Dimethylphthalate

Concen: 5.635 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

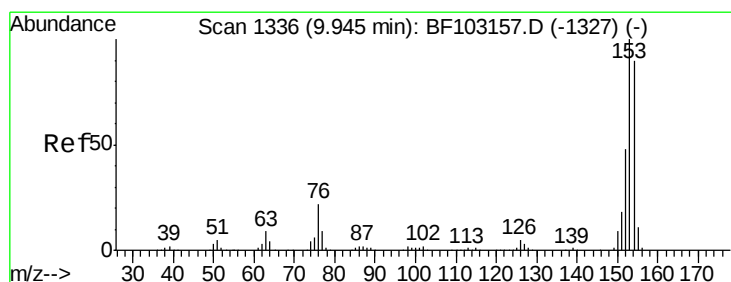
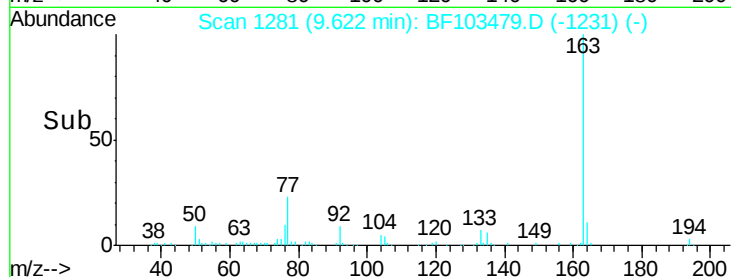
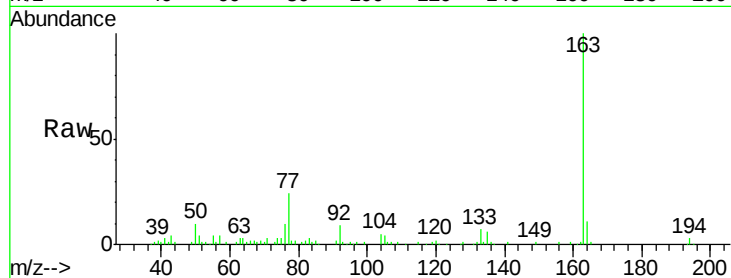
ClientSampled :

MHA-WCS

Tot Ion:	163	Resp:	93200
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.7	4.1
164	10.7	8.2	12.2

Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM



#51

Acenaphthene

Concen: 2.228 ng

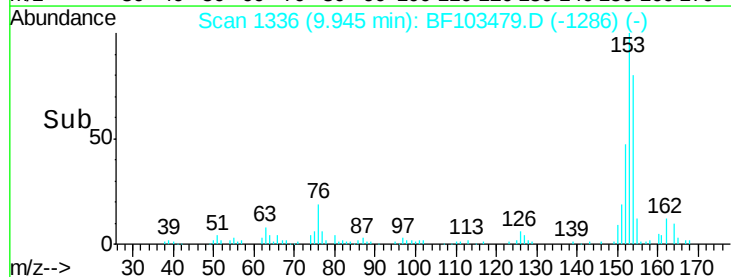
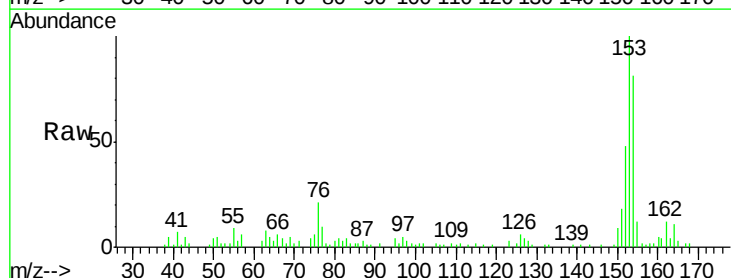
RT: 9.95 min Scan# 1336

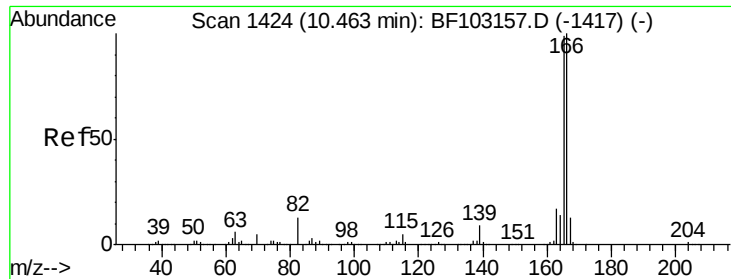
Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Tgt Ion:	154	Resp:	27323
Ion Ratio	Lower	Upper	
154	100		
153	123.3	91.2	136.8
152	59.3	43.8	65.8





#57

Fluorene

Concen: 2.556 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

ClientSampleId :

MHA-WCS

Tot Ion:166 Resp: 36652

Ion Ratio Lower Upper

166 100

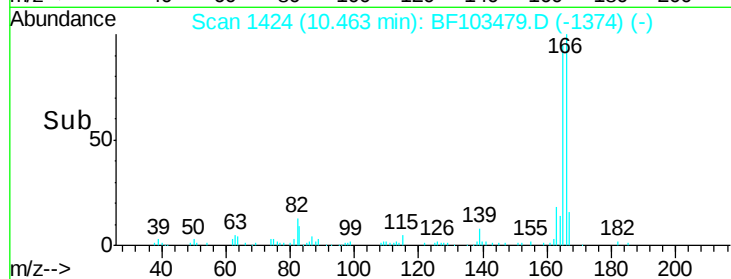
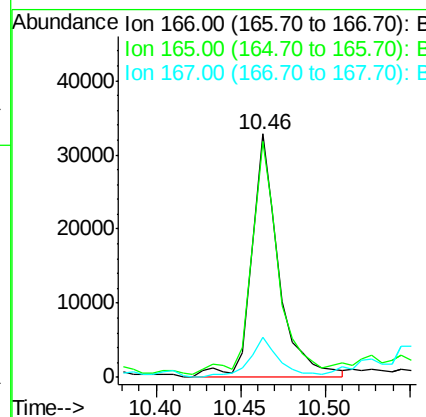
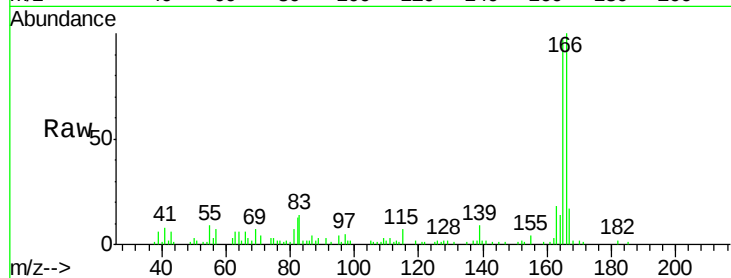
165 96.9 79.8 119.8

167 16.5 10.6 16.0#

Manual Integrations
APPROVED

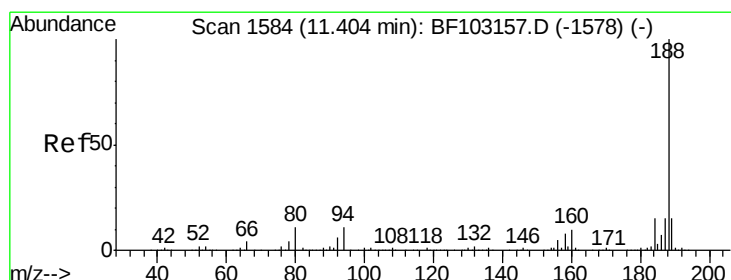
Sohil

3/7/2018 12:17:45 PM



Sohil

3/7/2018 12:17:45 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

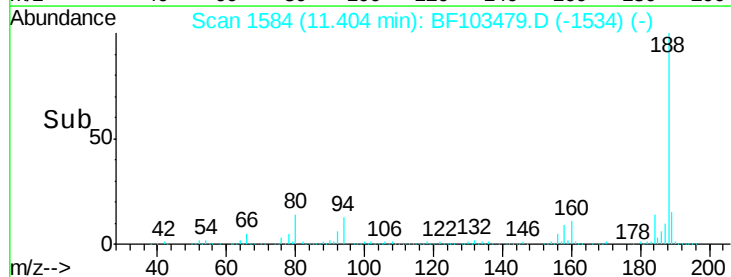
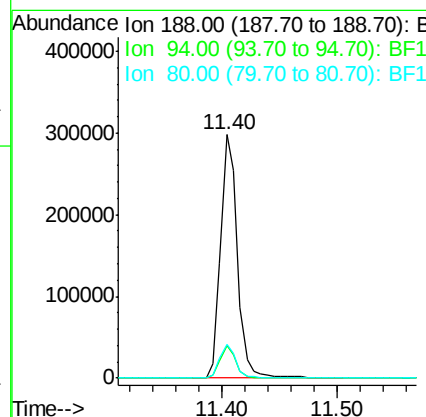
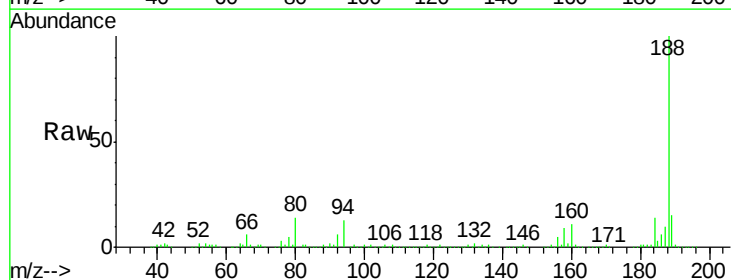
Tgt Ion:188 Resp: 299695

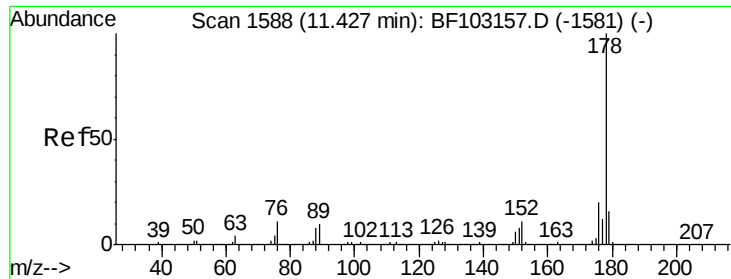
Ion Ratio Lower Upper

188 100

94 13.1 8.5 12.7#

80 13.7 9.2 13.8





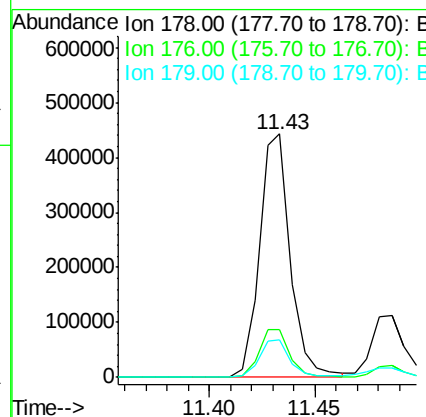
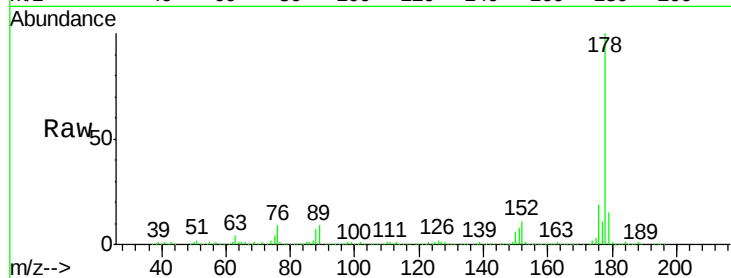
#70
Phenanthrene
Concen: 27.152 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampled :
MHA-WCS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	13.0	19.6

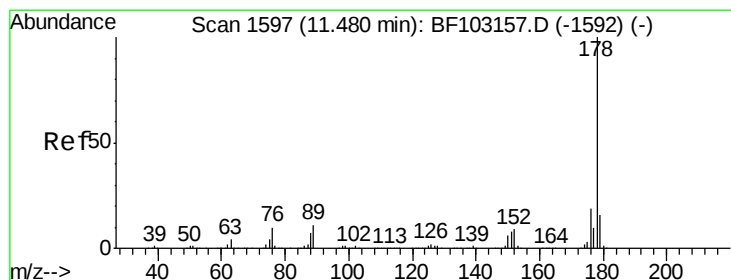
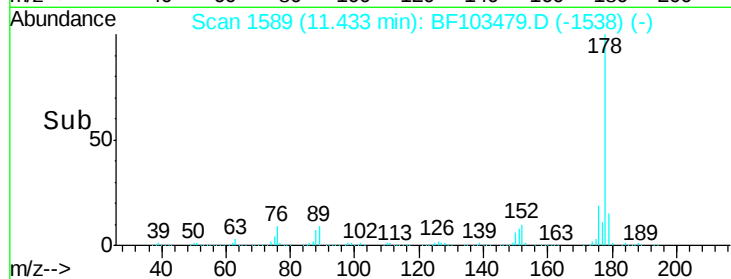
Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM



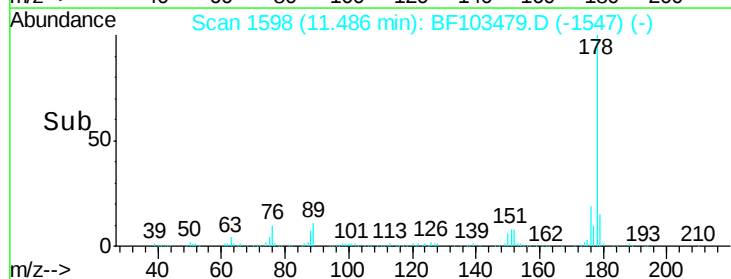
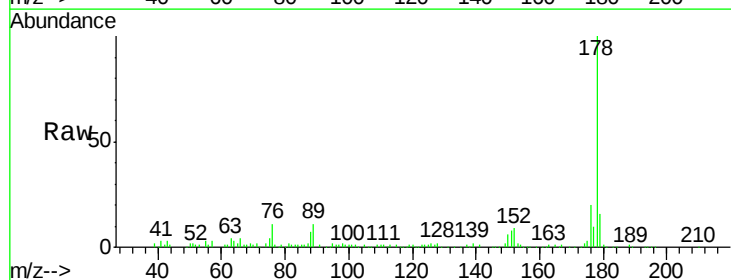
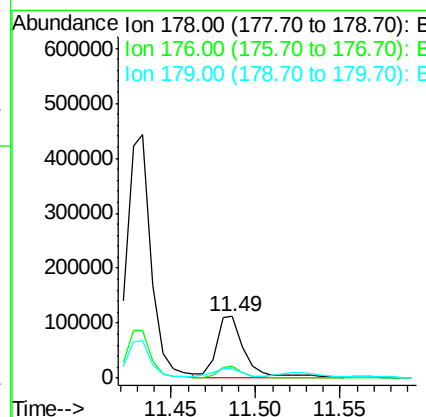
Sohil

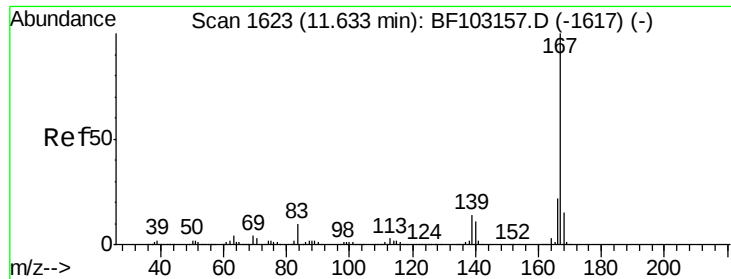
3/7/2018 12:17:45 PM



#71
Anthracene
Concen: 7.653 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0





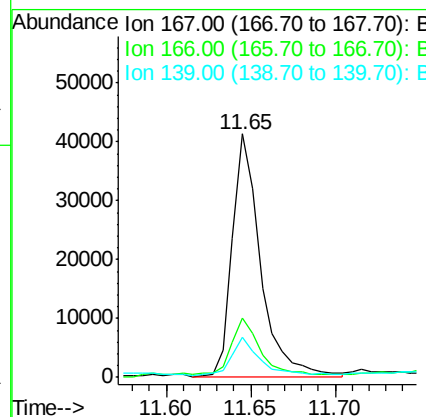
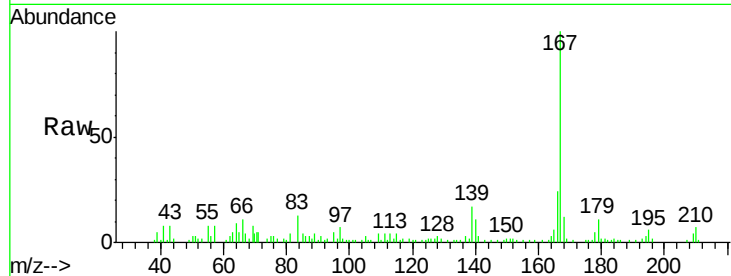
#72
 Carbazole
 Concen: 2.896 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :
 MHA-WCS

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.5	17.6	26.4
139	16.7	10.9	16.3

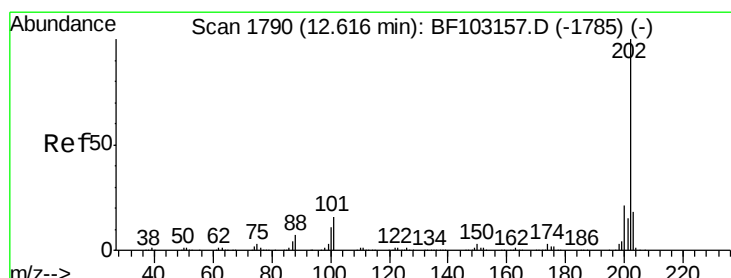
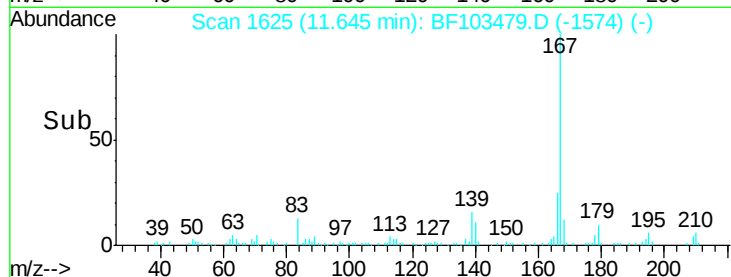
Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:17:45 PM



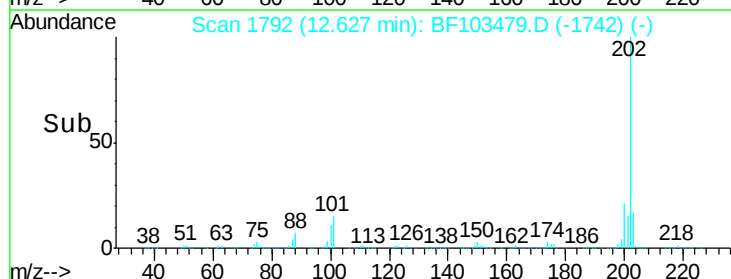
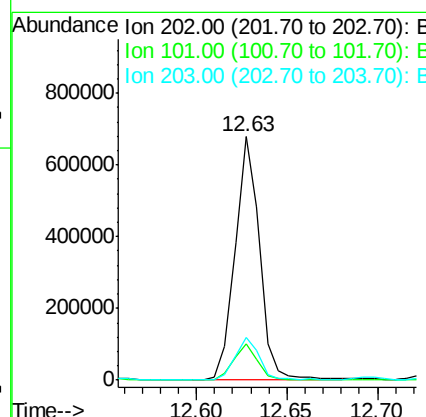
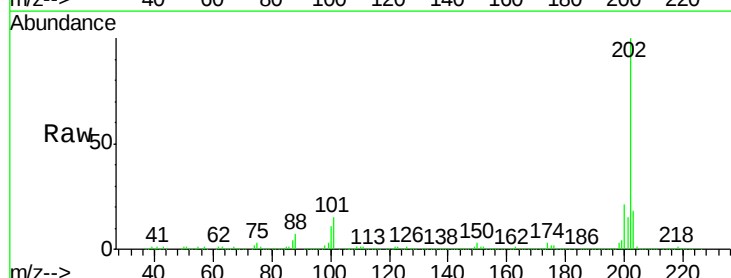
Sohil

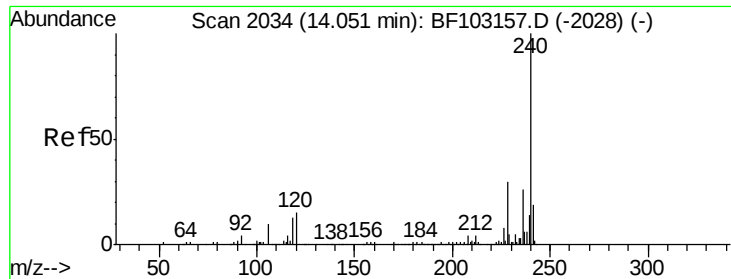
3/7/2018 12:17:45 PM



#74
 Fluoranthene
 Concen: 38.486 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

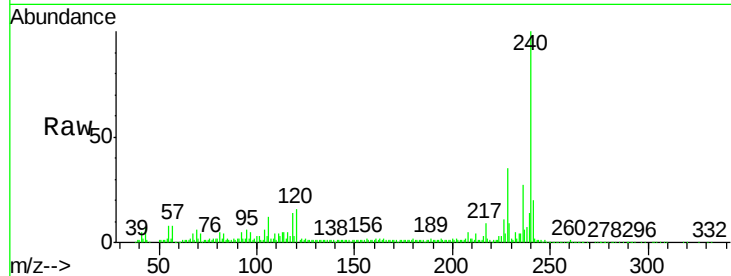
ClientSampleId :

MHA-WCS

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.5	14.3#
236	26.6	20.7	31.1

Manual Integrations
APPROVED

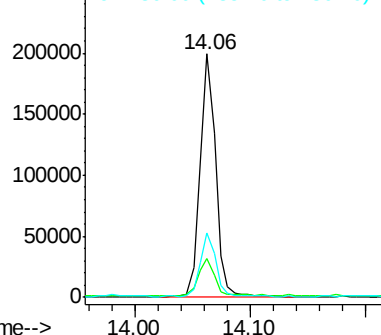
Sohil
3/7/2018 12:17:45 PM



Abundance Ion 240.00 (239.70 to 240.70): E

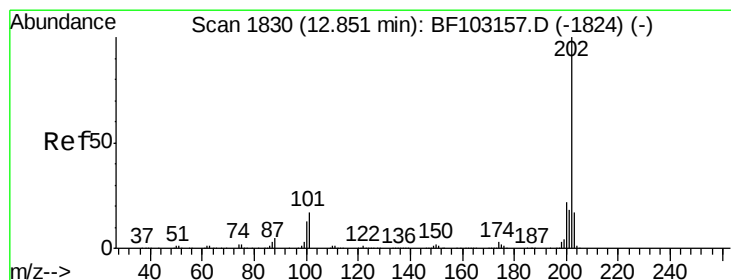
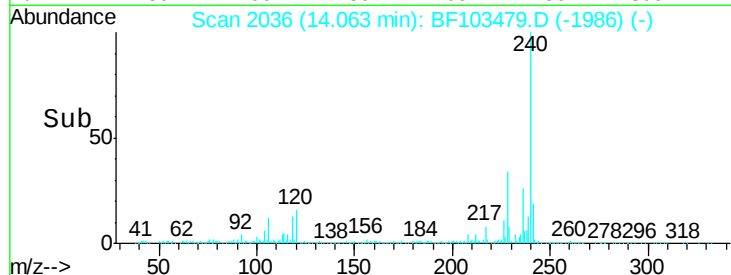
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Sohil

3/7/2018 12:17:45 PM



#77

Pyrene

Concen: 40.509 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103479.D

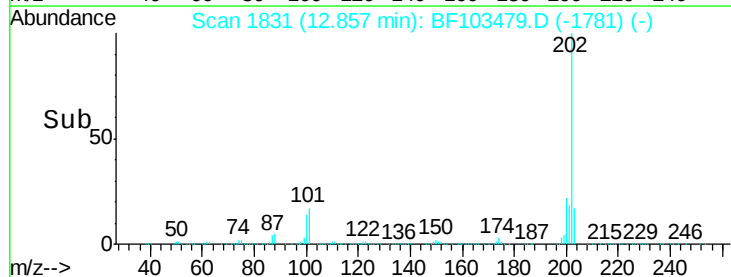
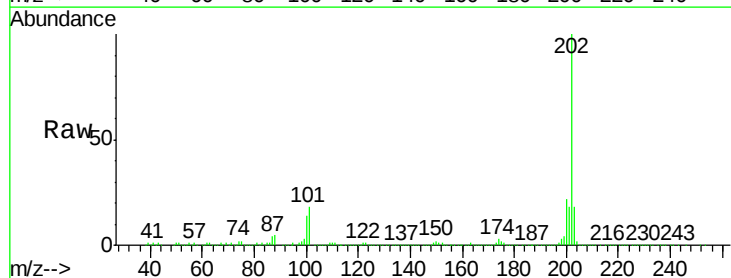
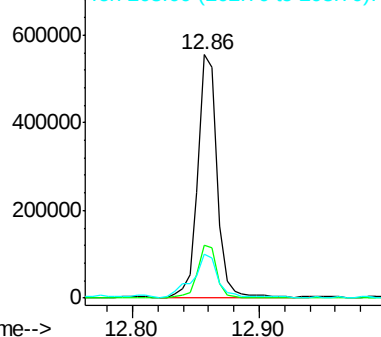
Acq: 7 Mar 2018 1:54

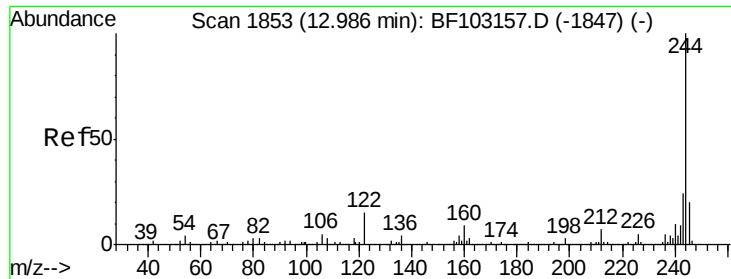
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





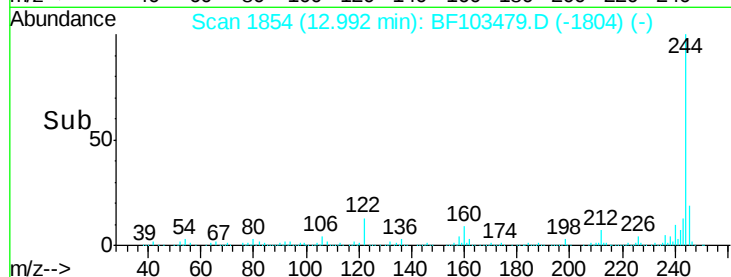
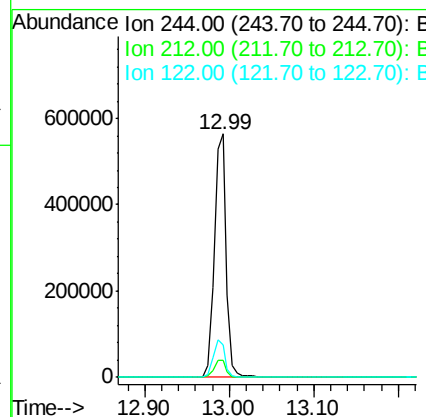
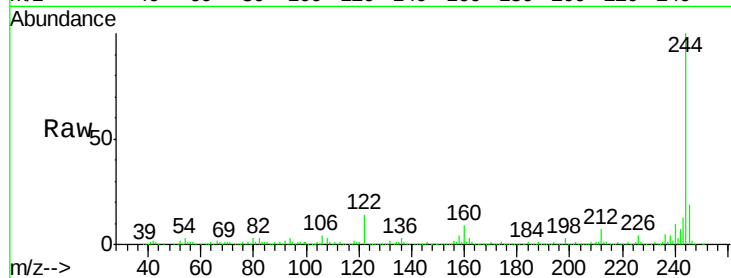
#78
 Terphenyl-d14
 Concen: 72.777 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :
 MHA-WCS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.6	11.0	16.4

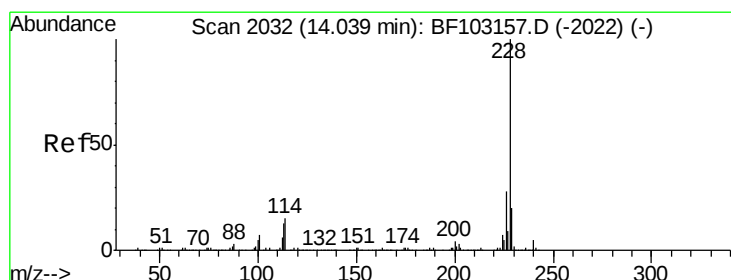
Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:17:45 PM



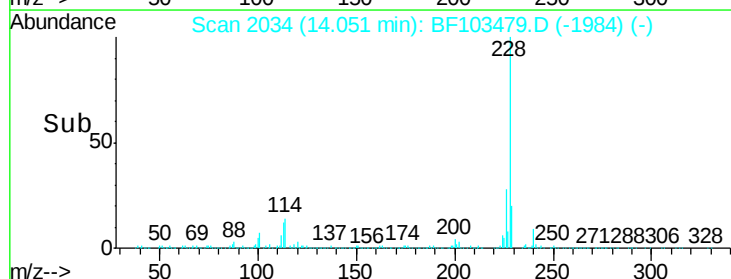
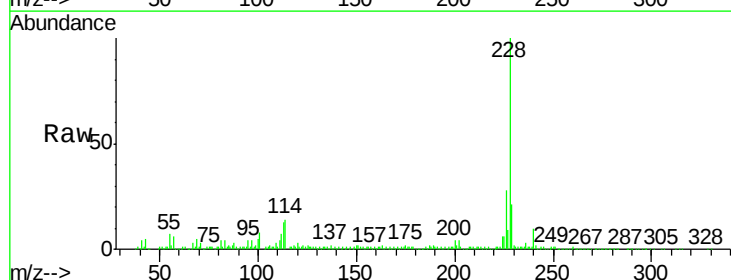
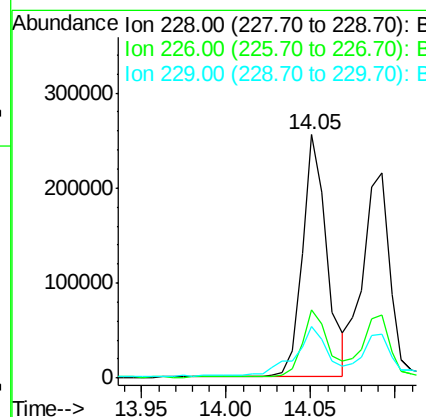
Sohil

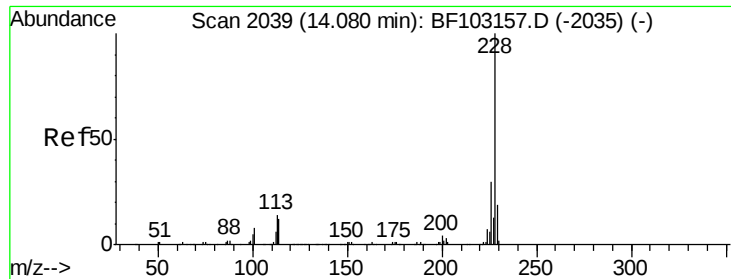
3/7/2018 12:17:45 PM



#80
 Benzo(a)anthracene
 Concen: 21.542 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103479.D
 Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.4	15.8	23.6





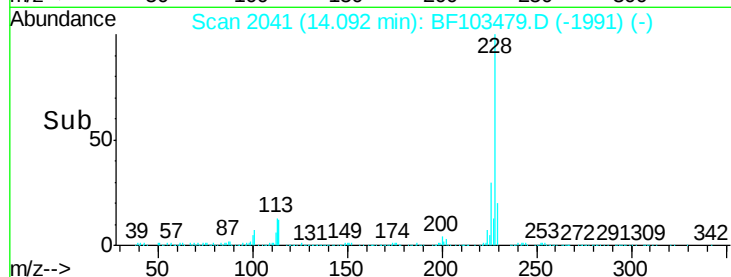
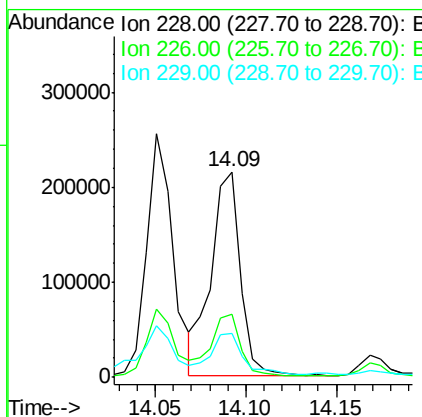
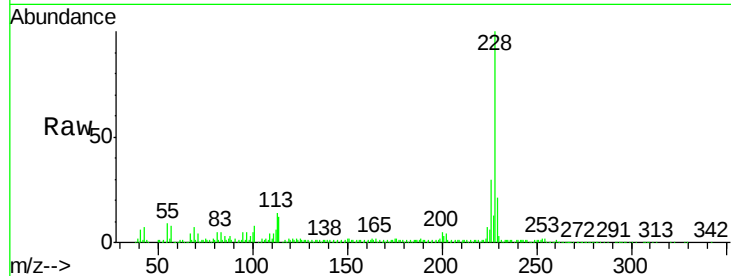
#82
Chrysene
Concen: 20.916 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampled :
MHA-WCS

Tot Ion:	228	Resp:	243994
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.5	16.2	24.4

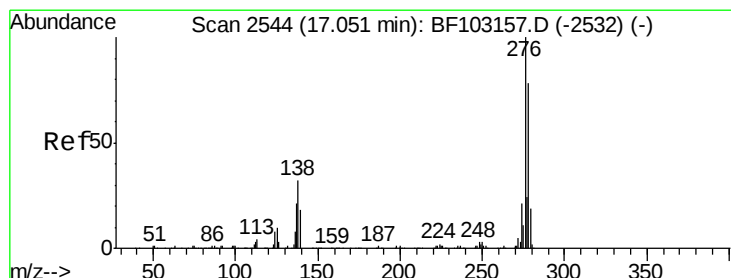
Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM



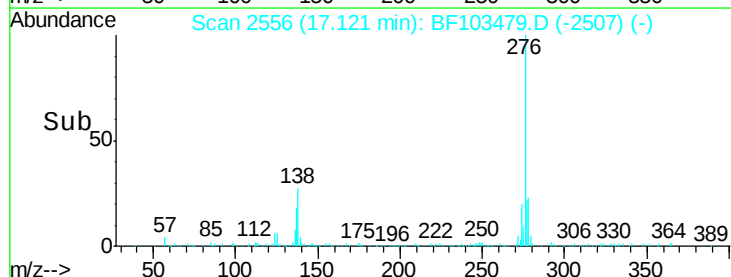
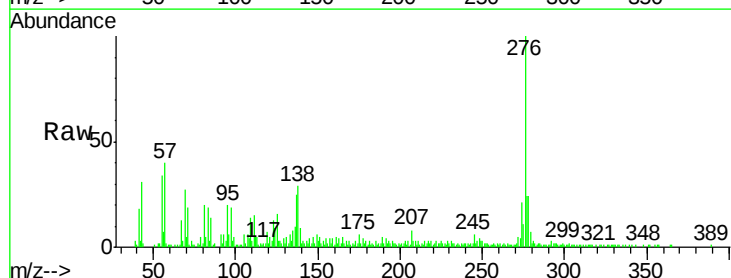
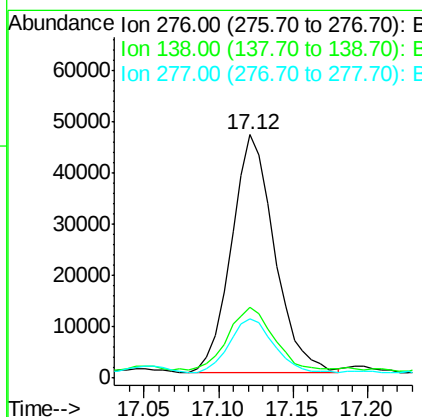
Sohil

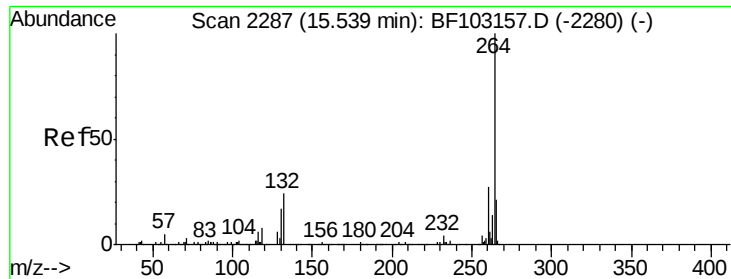
3/7/2018 12:17:45 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.121 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion:	276	Resp:	93472
Ion Ratio	Lower	Upper	
276	100		
138	28.7	25.0	37.6
277	22.9	20.1	30.1





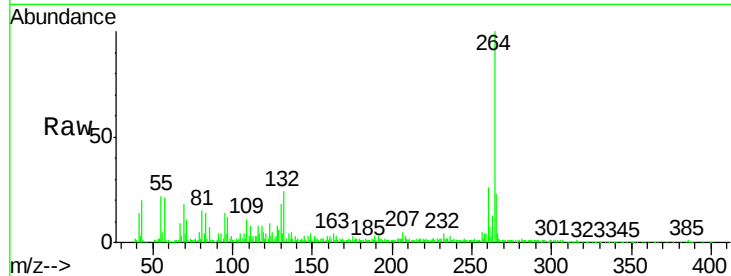
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampleId :
MHA-WCS

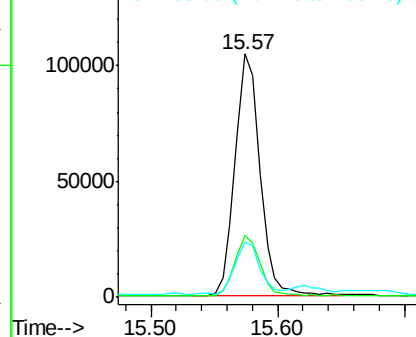
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.9	17.5	26.3

Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM

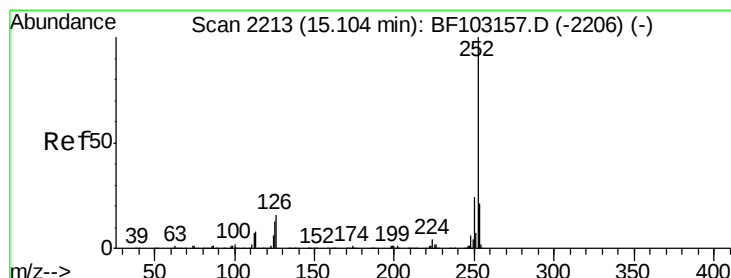
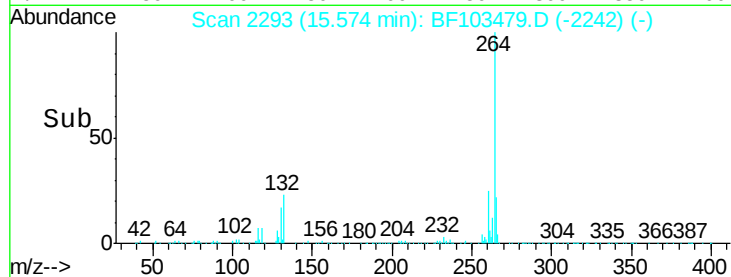


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



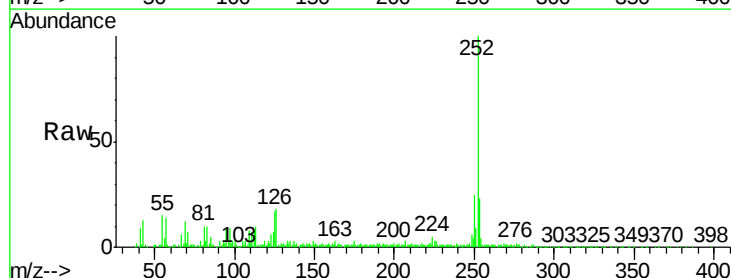
Sohil

3/7/2018 12:17:45 PM

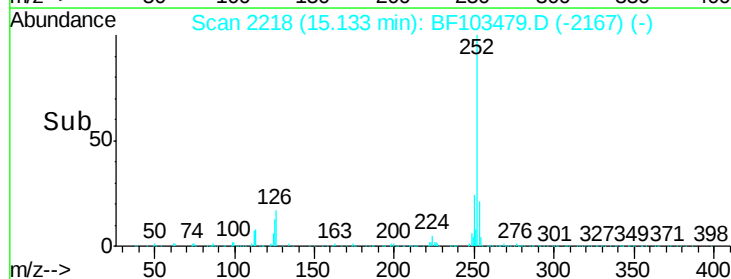
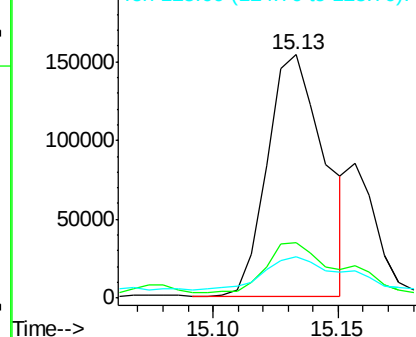


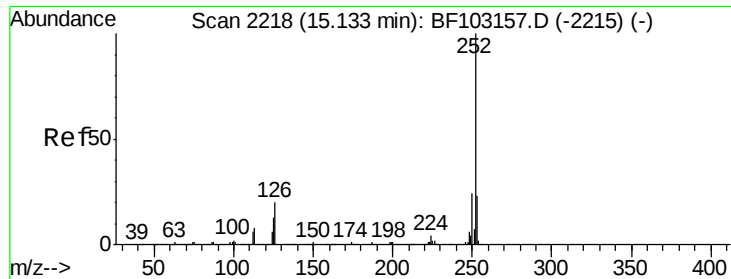
#87
Benzo(b)fluoranthene
Concen: 26.002 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	16.8	9.0	13.6



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





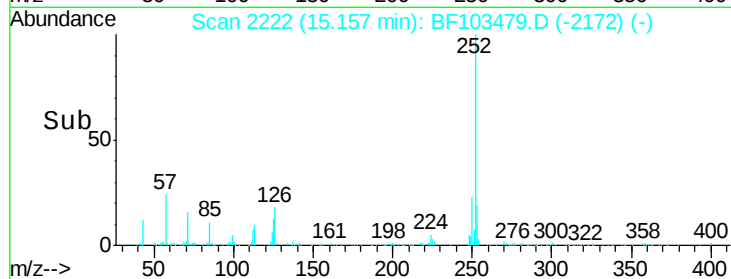
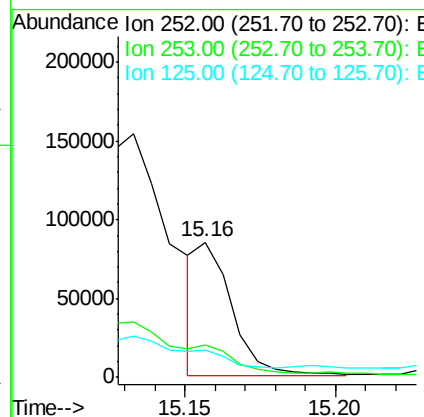
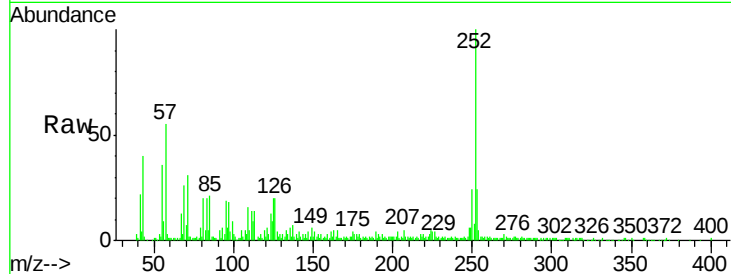
#88
Benzo(k)fluoranthene
Concen: 7.811 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Instrument :
BNA_F
ClientSampleId :
MHA-WCS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	19.9	10.2	15.2

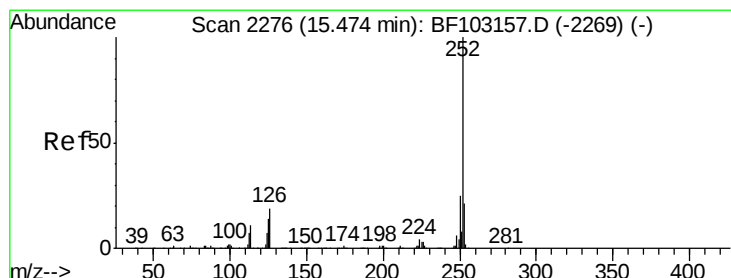
Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM



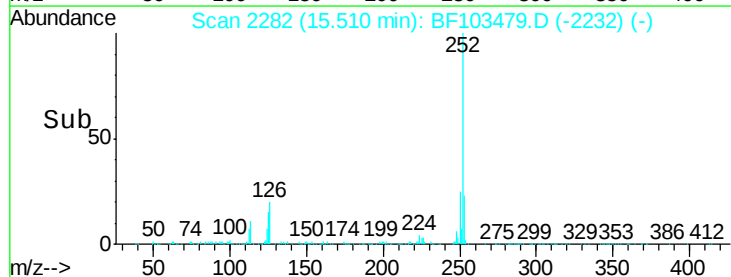
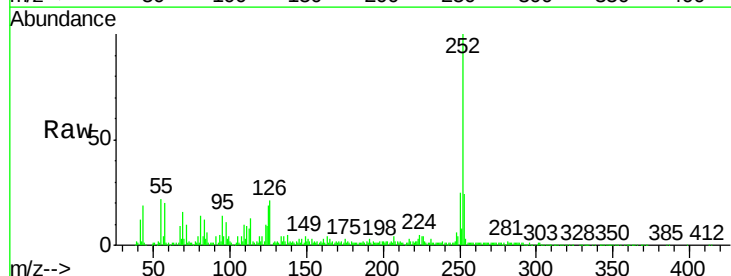
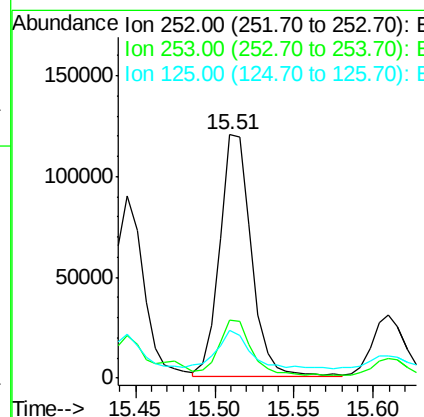
Sohil

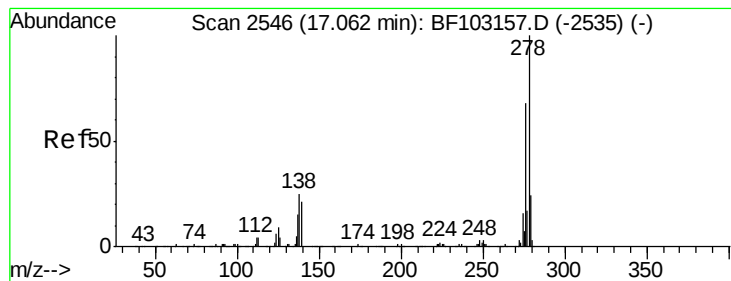
3/7/2018 12:17:45 PM



#89
Benzo(a)pyrene
Concen: 19.609 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103479.D
Acq: 7 Mar 2018 1:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	19.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.726 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Instrument :

BNA_F

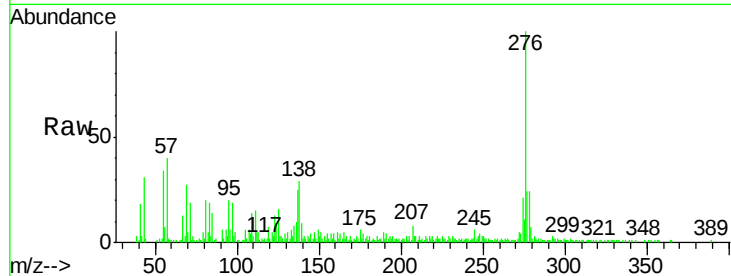
ClientSampleId :

MHA-WCS

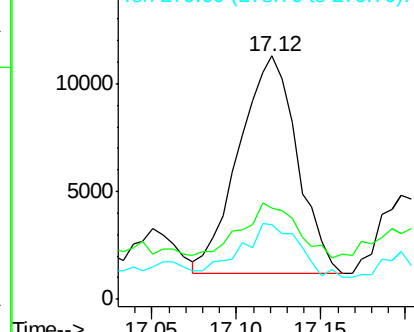
Tot Ion:	278	Resp:	24203
Ion Ratio	Lower	Upper	
278	100		
139	37.8	15.9	23.9#
279	30.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
3/7/2018 12:17:45 PM

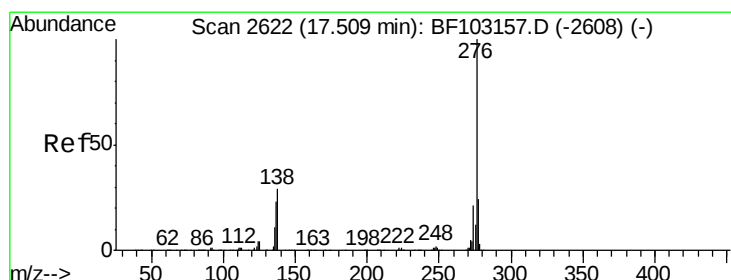
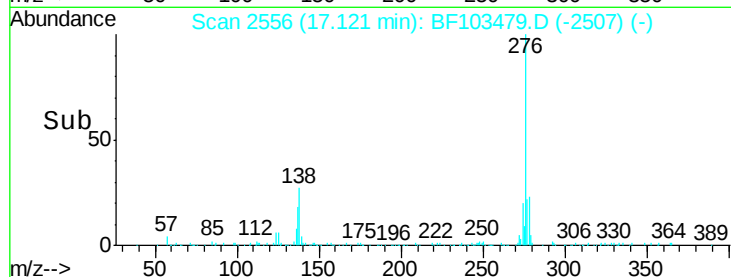


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Sohil

3/7/2018 12:17:45 PM



#91

Benzo(g,h,i)perylene

Concen: 13.907 ng

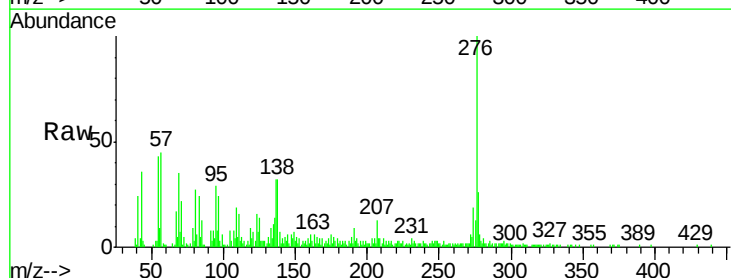
RT: 17.60 min Scan# 2637

Delta R.T. 0.00 min

Lab File: BF103479.D

Acq: 7 Mar 2018 1:54

Tgt Ion:	276	Resp:	88281
Ion Ratio	Lower	Upper	
276	100		
277	26.3	17.9	26.9
138	32.1	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

