

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032319\
 Data File : BF113256.D
 Acq On : 23 Mar 2019 11:53
 Operator : JU/SJ
 Sample : K2004-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(4-5)

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:48:17 PM

Quant Time: Mar 23 23:04:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	182207	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	730981	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	361940	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	774531	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	458269	20.00	ng	-0.01
87) Perylene-d12	15.27	264	463997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1325947	113.20	ng	0.00
7) Phenol-d6	6.37	99	1749389	118.89	ng	0.00
23) Nitrobenzene-d5	7.28	82	1121009	91.77	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	582576	151.62	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1820081	82.73	ng	-0.02
79) Terphenyl-d14	12.82	244	1945842	82.31	ng	0.00
Target Compounds						
10) Phenol	6.38	94	92656	5.396	ng	88
50) Dimethylphthalate	9.46	163	231040	8.657	ng	99
71) Phenanthrene	11.25	178	86739	2.251	ng	99
75) Fluoranthene	12.43	202	204703	4.958	ng	96
78) Pyrene	12.66	202	291197	7.537	ng	98
81) Benzo(a)anthracene	13.85	228	261956	8.248	ng	97
83) Chrysene	13.88	228	325361	10.458	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	260727	9.830	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	282710m	9.420	ng	
89) Benzo(k)fluoranthene	14.89	252	72445m	2.665	ng	
90) Benzo(a)pyrene	15.21	252	270812	10.201	ng	97
91) Dibenzo(a,h)anthracene	16.64	278	126311	5.576	ng	# 94
92) Benzo(a,h,i)perylene	17.04	276	344744	15.156	ng	96

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

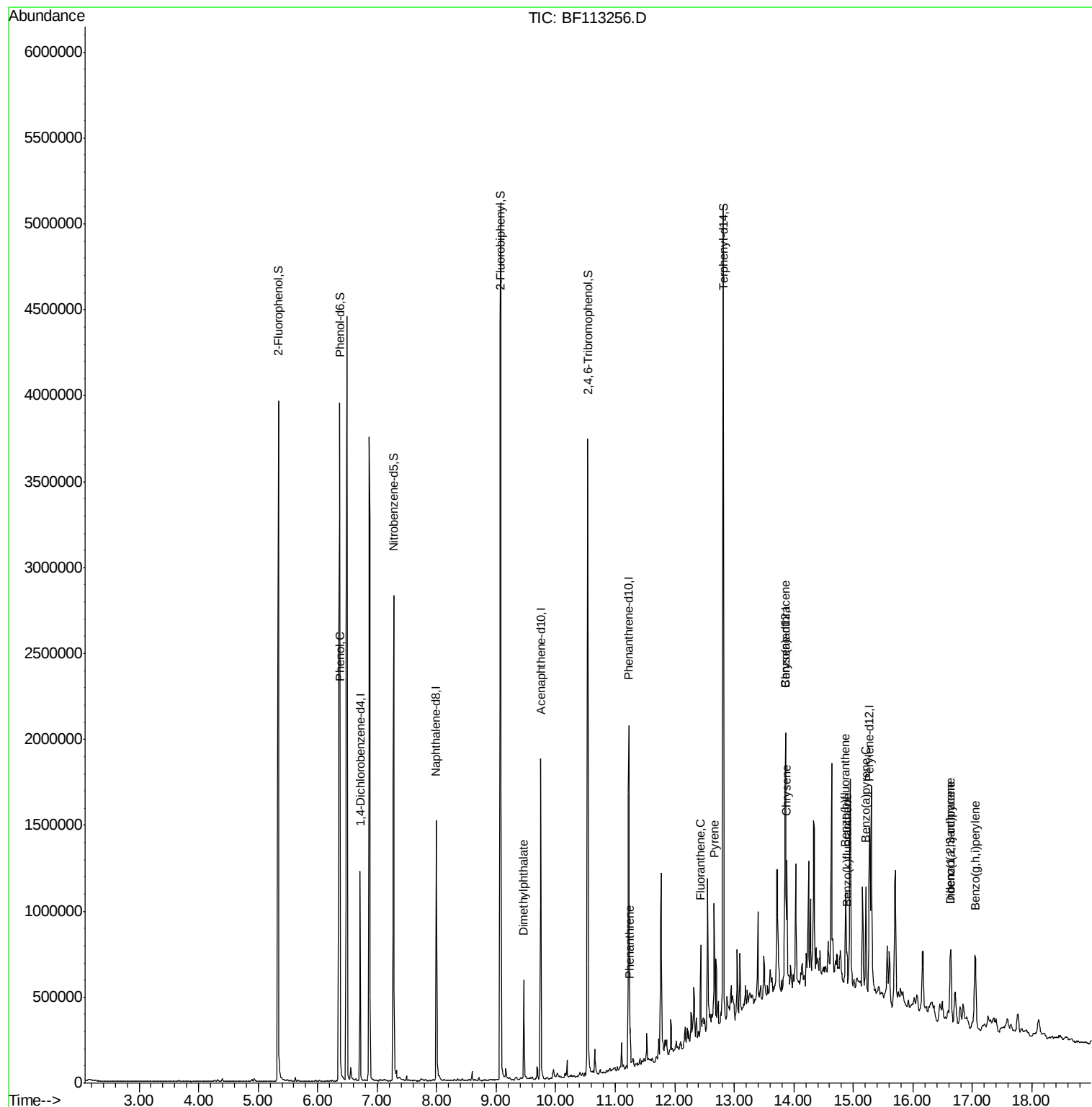
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032319\
Data File : BF113256.D
Acq On : 23 Mar 2019 11:53
Operator : JU/SJ
Sample : K2004-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM

Quant Time: Mar 23 23:04:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration





#1

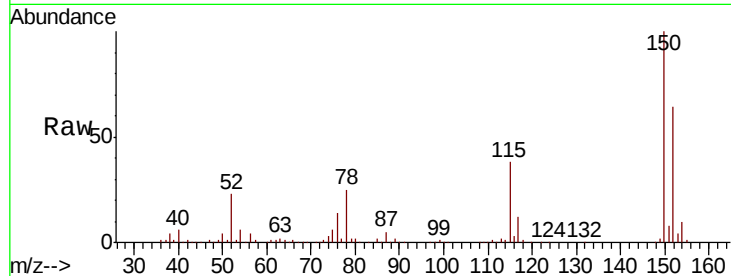
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.2	186.2
115	59.9	48.2	72.4

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM

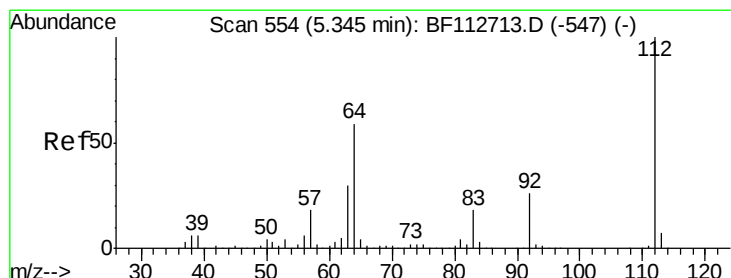
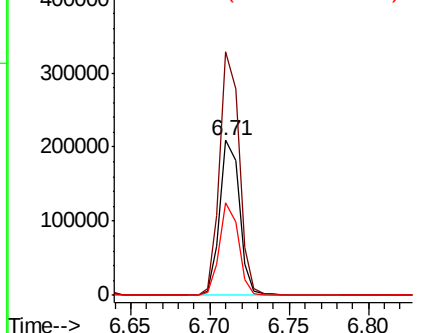
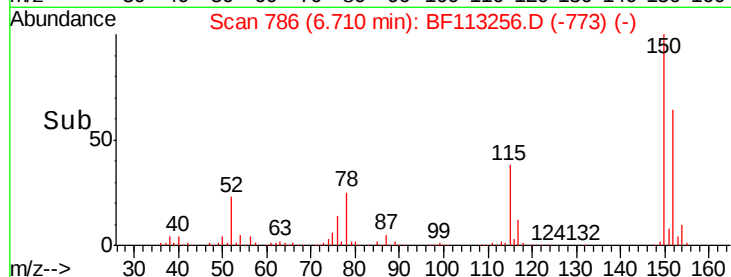


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

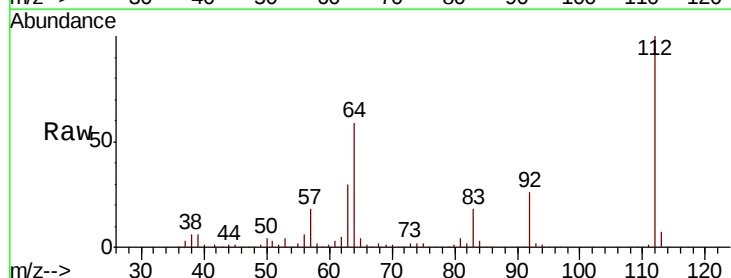
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.199 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.6	71.4
63	29.9	24.4	36.6

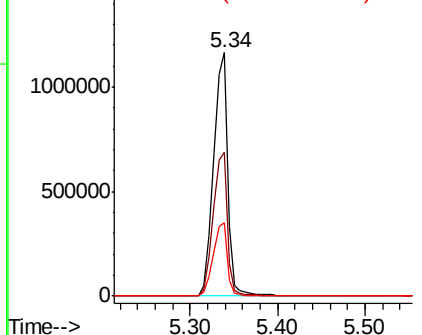
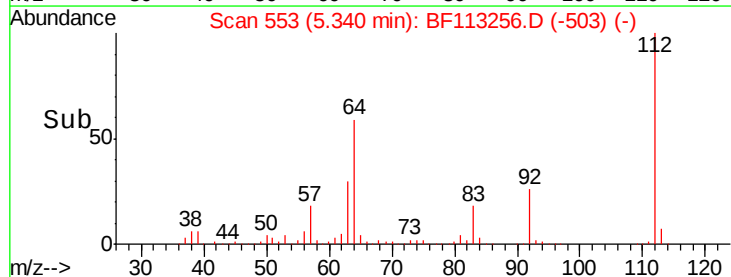


Abundance

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: 118.893 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

SB-23(4-5)

Tot Ion: 99 Resp: 1749389

Ion Ratio Lower Upper

99 100

42 19.2 16.3 24.5

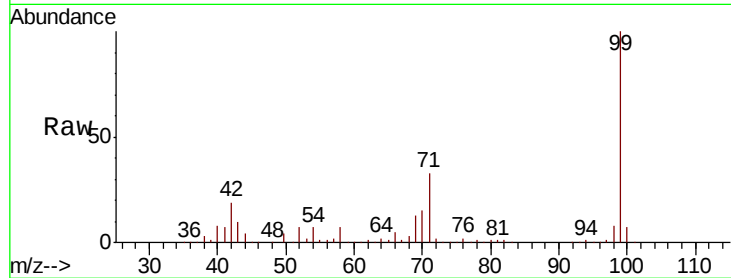
71 32.8 26.2 39.4

Manual Integrations

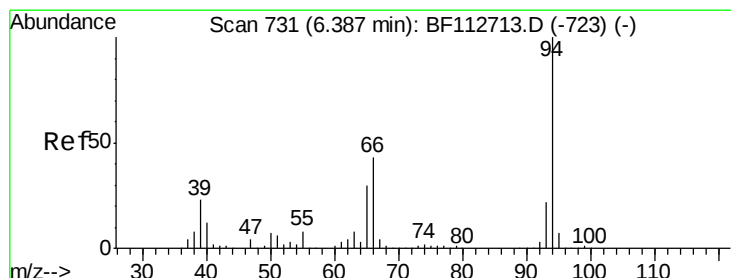
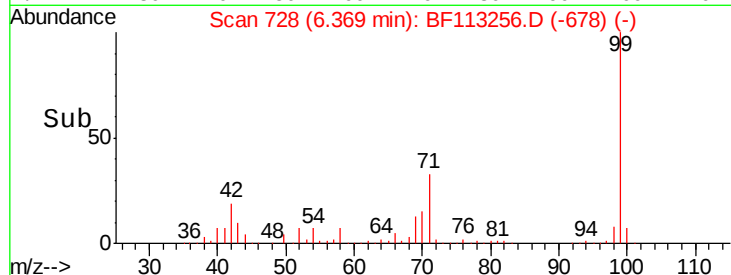
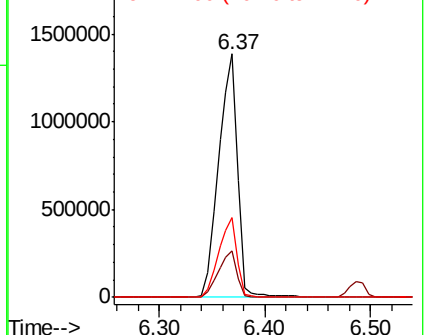
APPROVED

Sohil

3/25/2019 12:48:17 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



#10

Phenol

Concen: 5.396 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

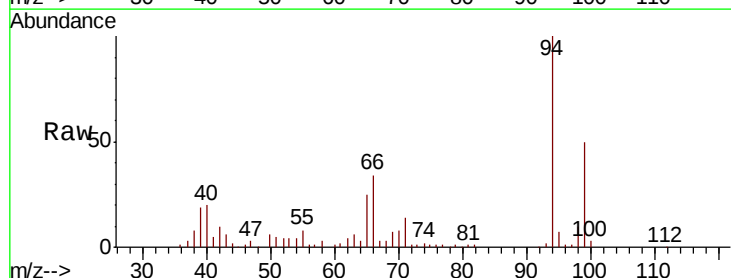
Tgt Ion: 94 Resp: 92656

Ion Ratio Lower Upper

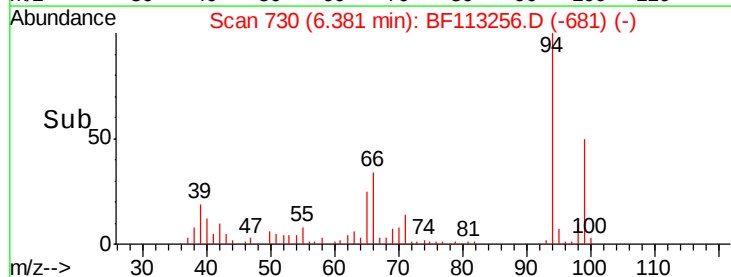
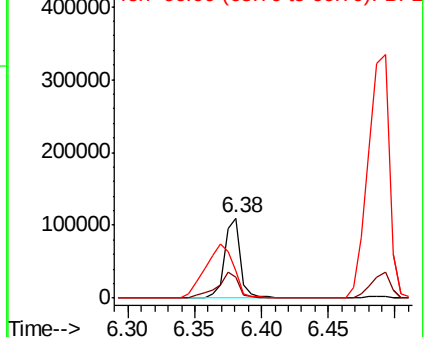
94 100

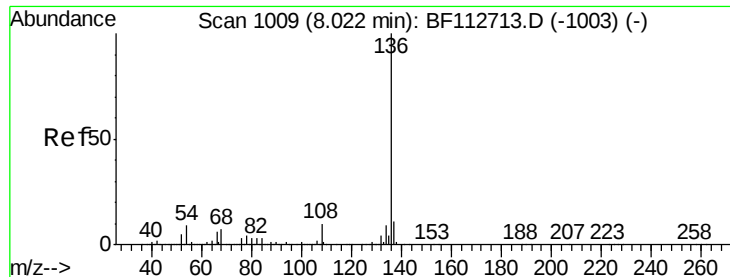
65 25.2 10.5 50.5

66 33.7 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Instrument :

BNA_F

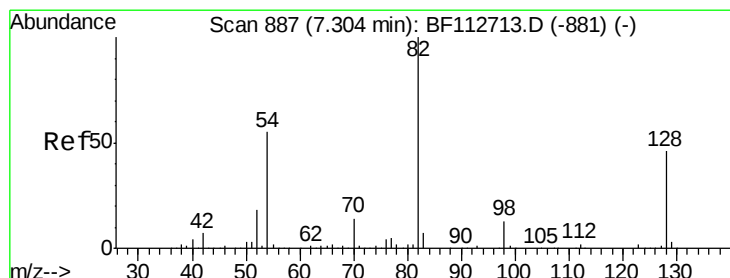
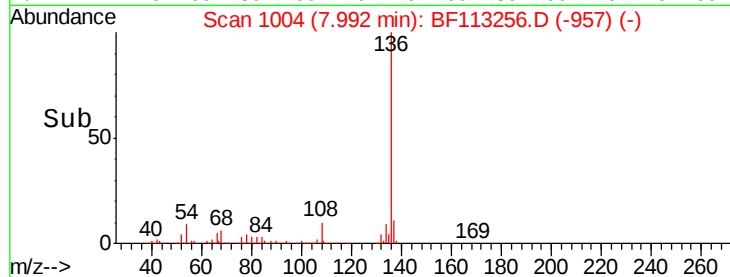
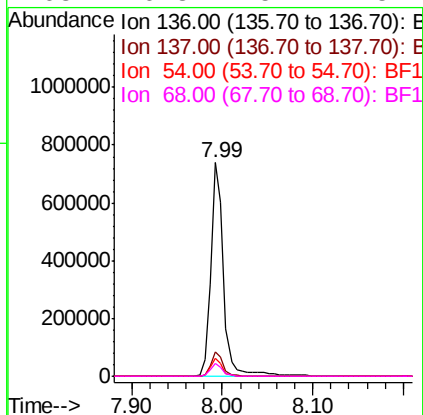
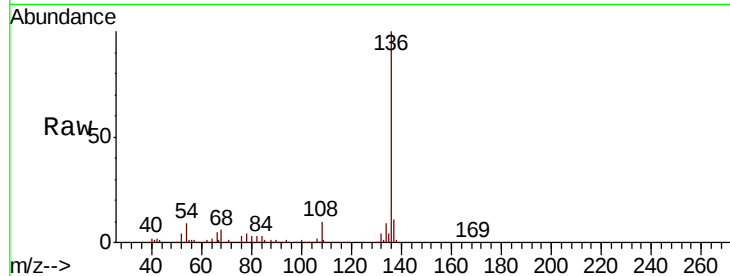
ClientSampled :

SB-23(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		730981		
137	11.2	8.9	13.3		
54	8.5	7.3	10.9		
68	6.3	5.4	8.2		

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM



#23

Nitrobenzene-d5

Concen: 91.766 ng

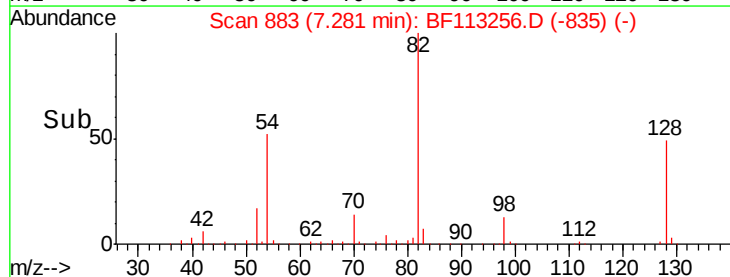
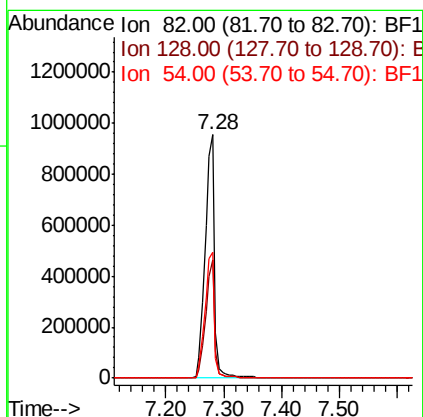
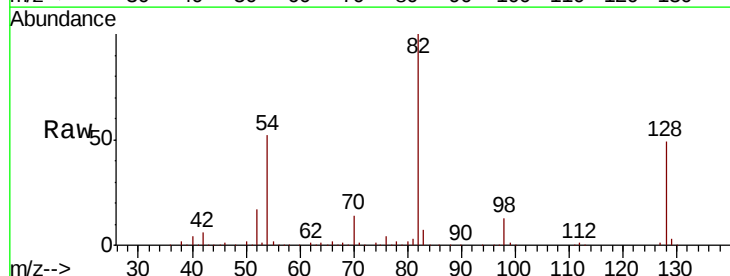
RT: 7.28 min Scan# 883

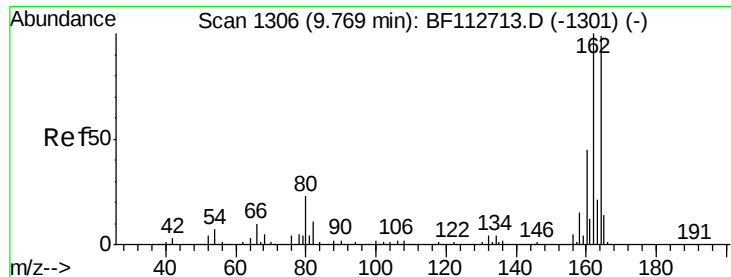
Delta R.T. -0.02 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1121009		
128	48.6	36.3	54.5		
54	51.9	43.7	65.5		





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Instrument :

BNA_F

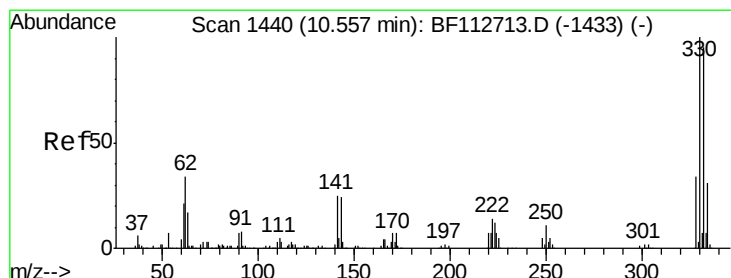
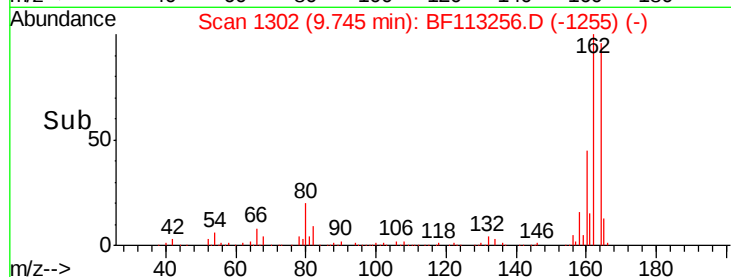
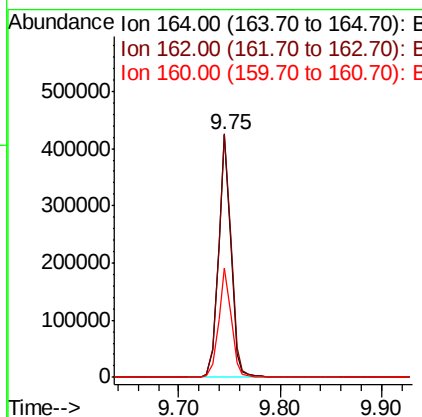
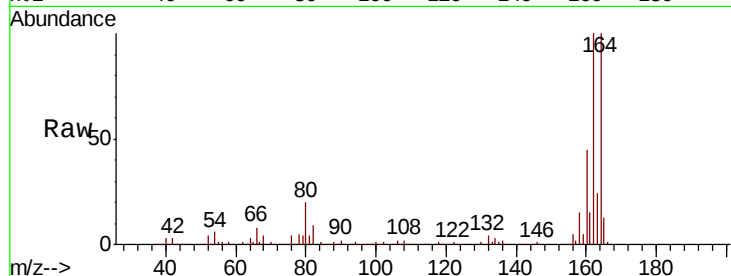
ClientSampled :

SB-23(4-5)

Tot Ion:	164	Resp:	361940
Ion Ratio	Lower	Upper	
164	100		
162	100.2	80.6	120.8
160	45.2	36.0	54.0

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM



#42

2,4,6-Tribromophenol

Concen: 151.616 ng

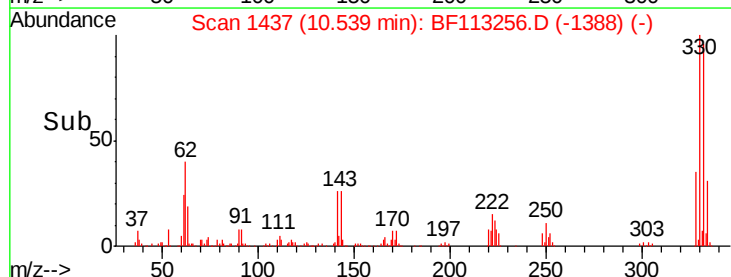
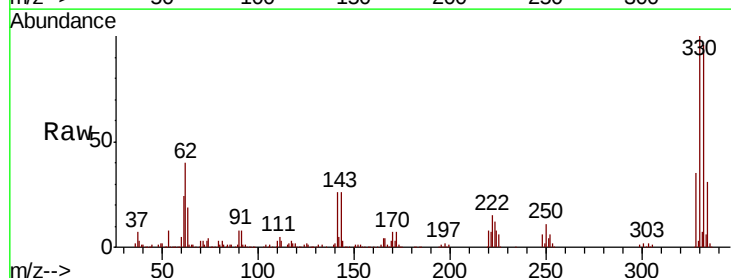
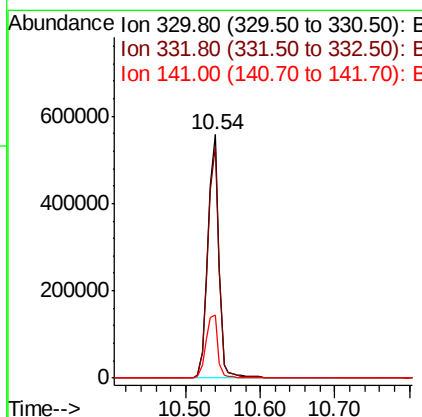
RT: 10.54 min Scan# 1437

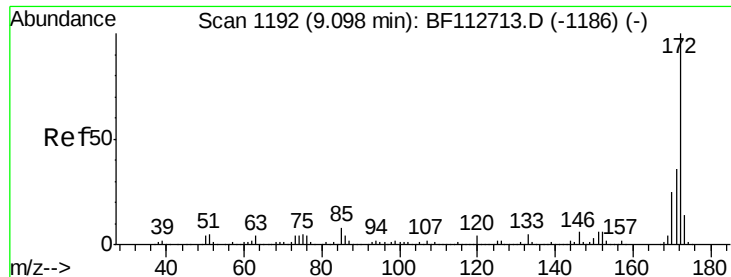
Delta R.T. -0.01 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Tgt Ion:	330	Resp:	582576
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.2	114.4
141	27.8	27.0	40.6





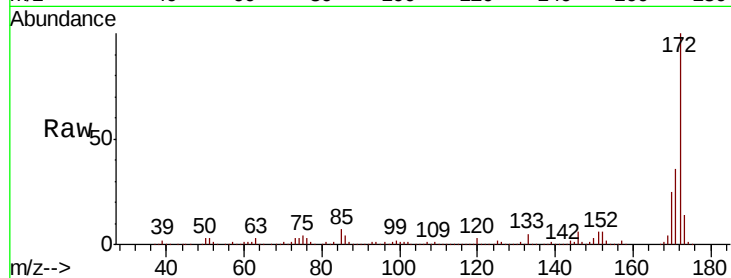
#45
 2-Fluorobiphenyl
 Concen: 82.730 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113256.D
 Acq: 23 Mar 2019 11:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(4-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.6	20.0	30.0

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:48:17 PM

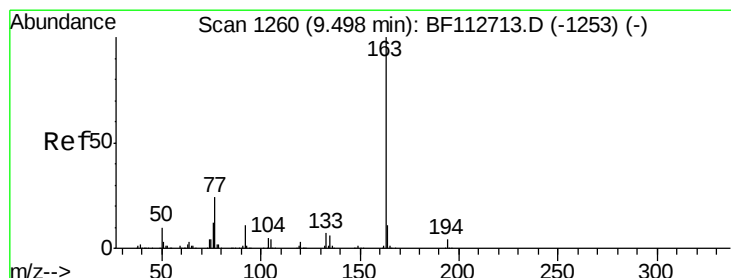
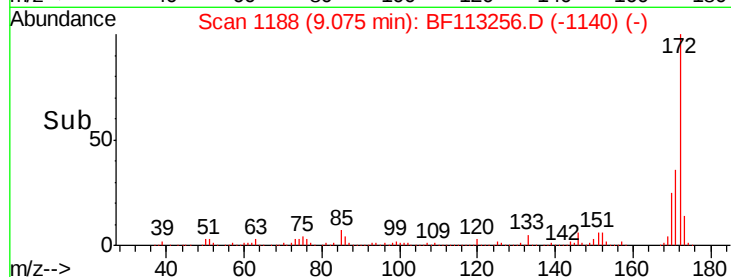
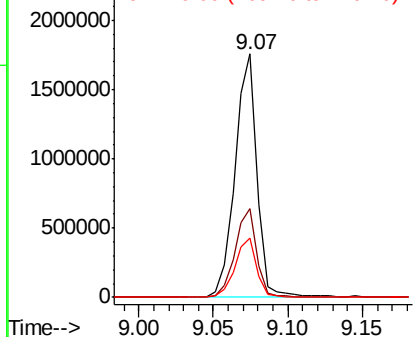


Abundance

Ion 172.00 (171.70 to 172.70): E

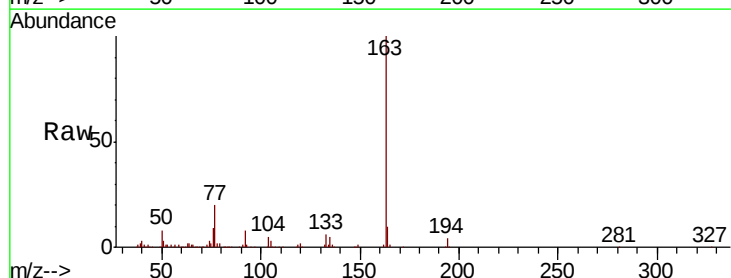
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 8.657 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.04 min
 Lab File: BF113256.D
 Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	10.1	8.4	12.6

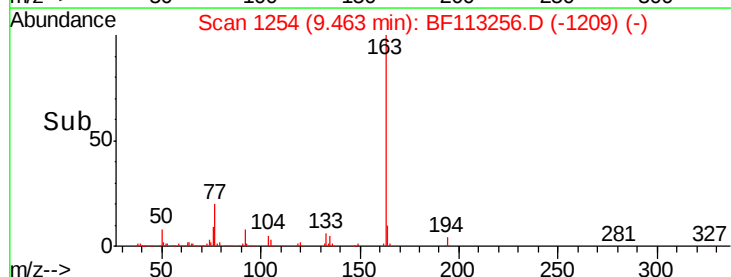
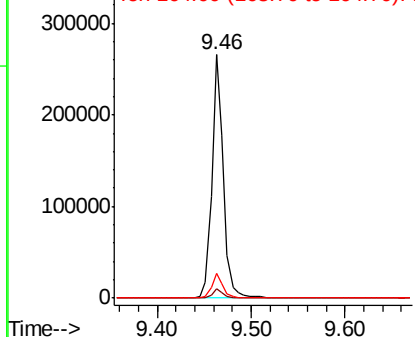


Abundance

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





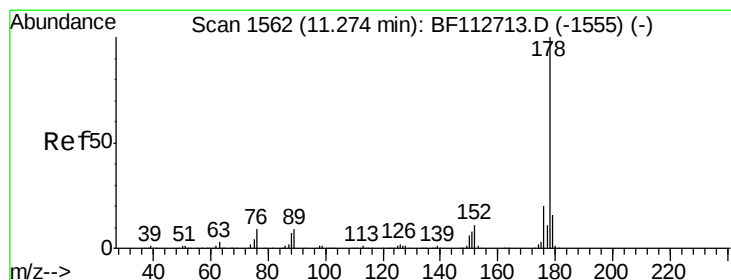
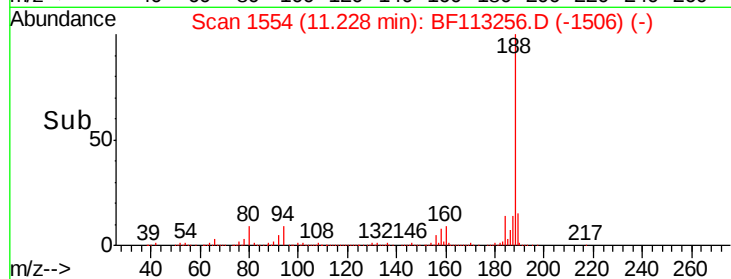
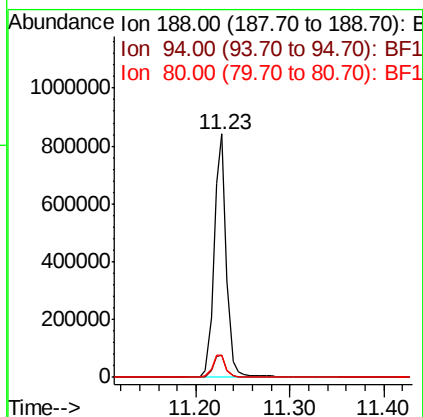
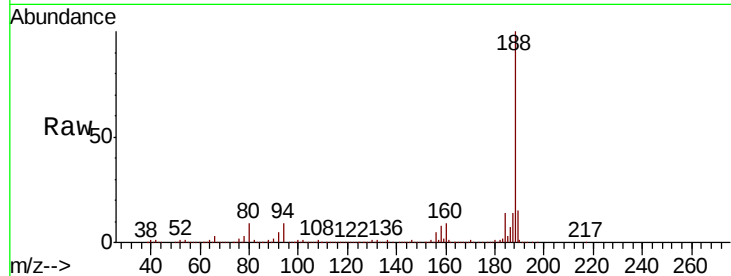
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Instrument :
BNA_F
ClientSampled :
SB-23(4-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.3	9.2	13.8

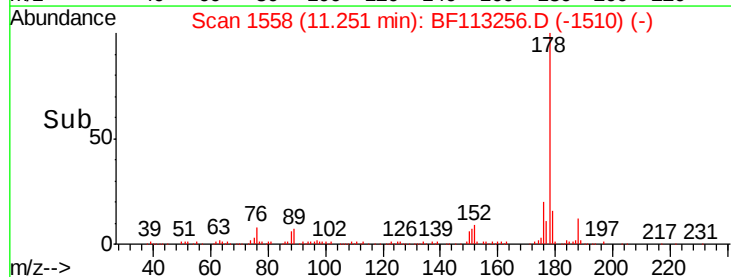
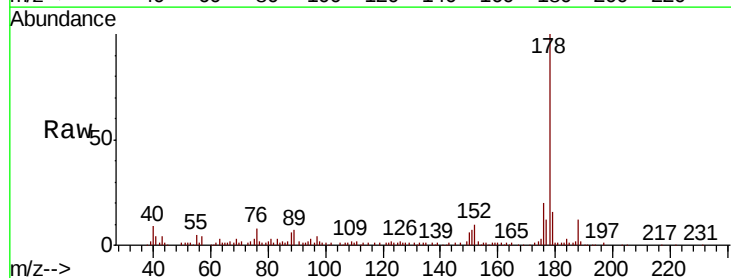
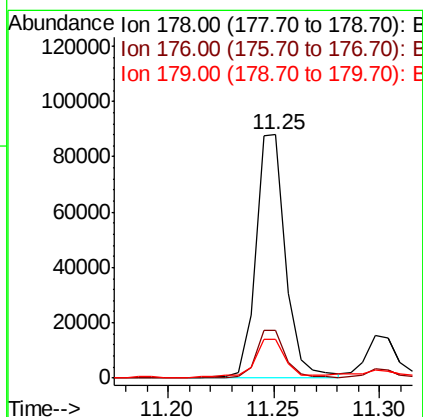
Manual Integrations
APPROVED

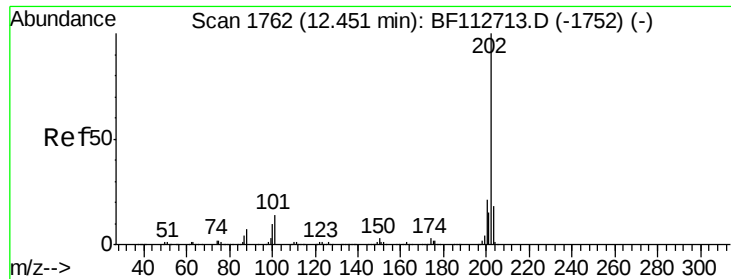
Sohil
3/25/2019 12:48:17 PM



#71
Phenanthrene
Concen: 2.251 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.9	12.7	19.1





#75

Fluoranthene

Concen: 4.958 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Instrument :

BNA_F

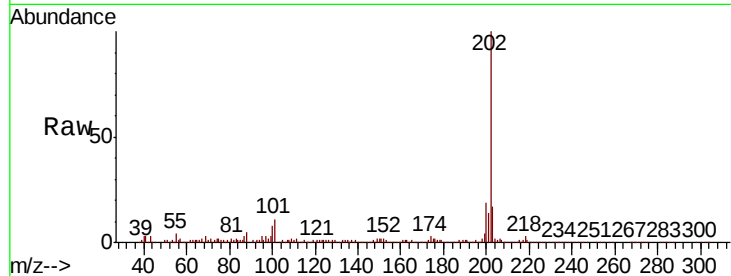
ClientSampleId :

SB-23(4-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	33.8
203	17.4	0.0	38.4

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM

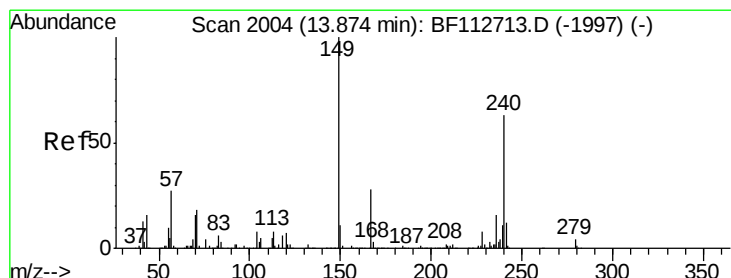
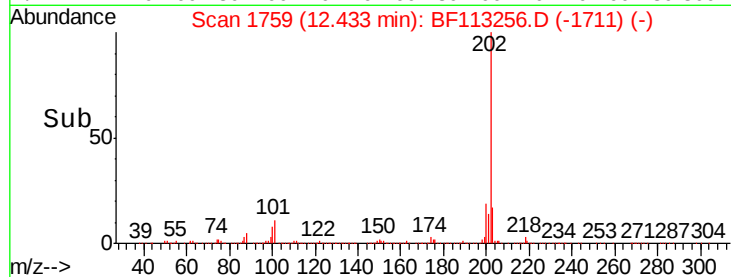
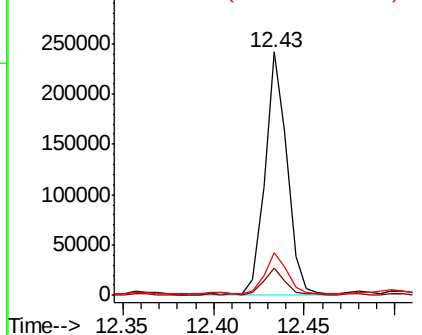


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

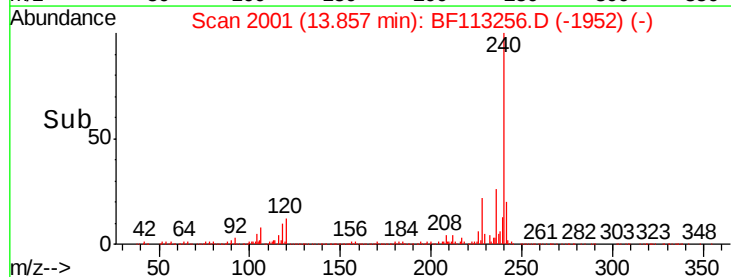
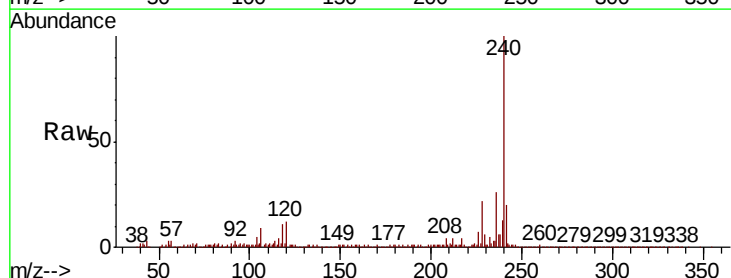
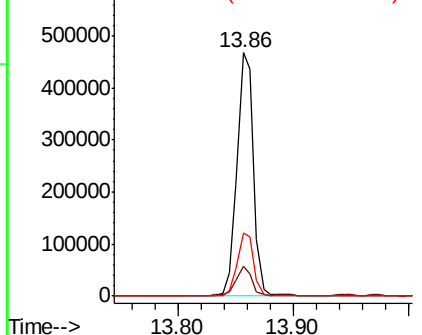
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	8.9	13.3
236	26.1	20.7	31.1

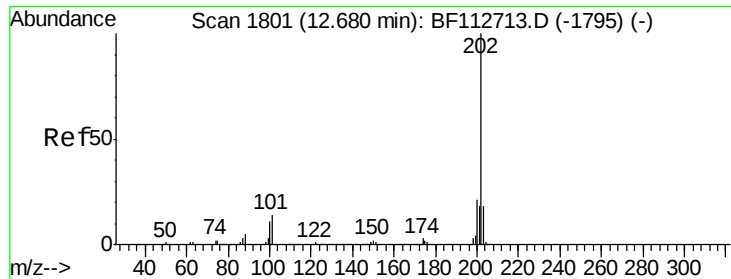
Abundance

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





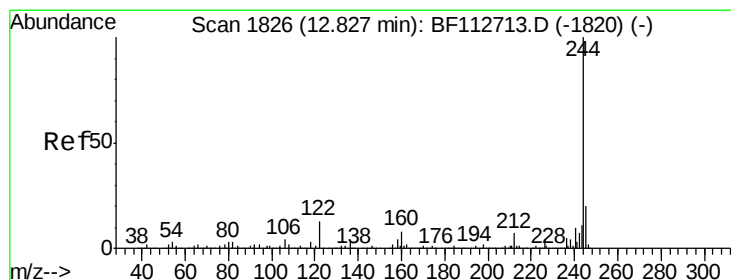
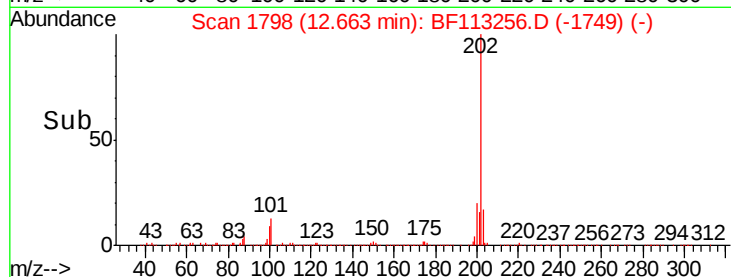
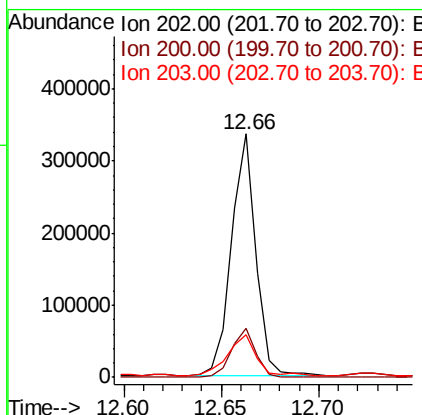
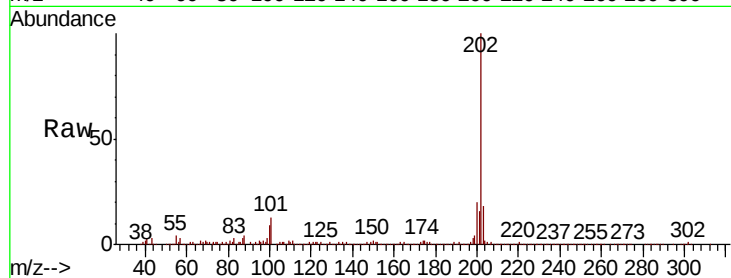
#78
Pvrene
Concen: 7.537 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.4
203	17.7	14.4	21.6

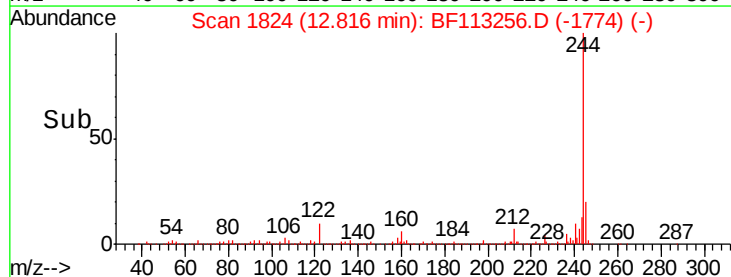
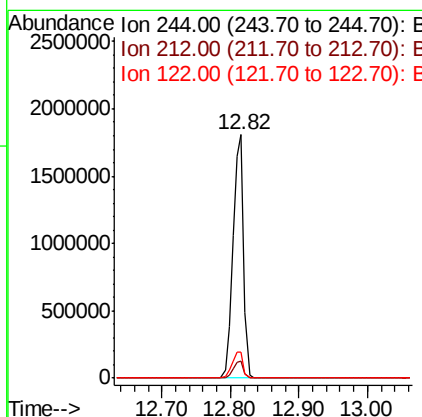
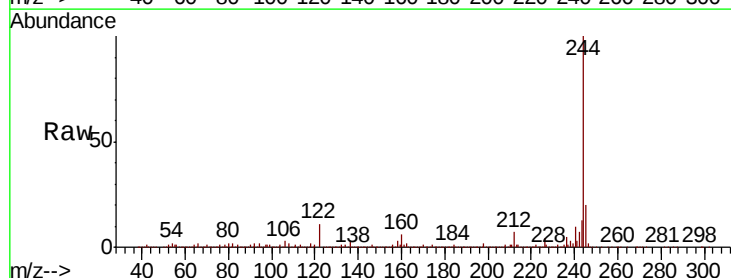
Manual Integrations
APPROVED

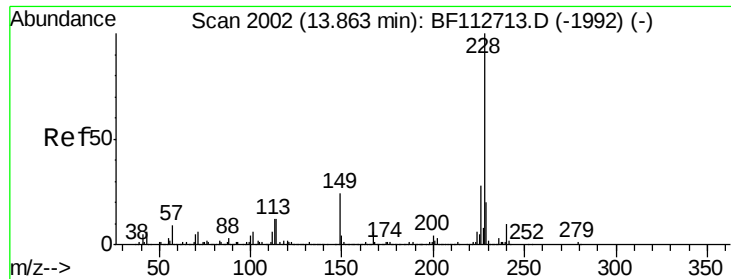
Sohil
3/25/2019 12:48:17 PM



#79
Terphenyl-d14
Concen: 82.310 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.5	10.5	15.7





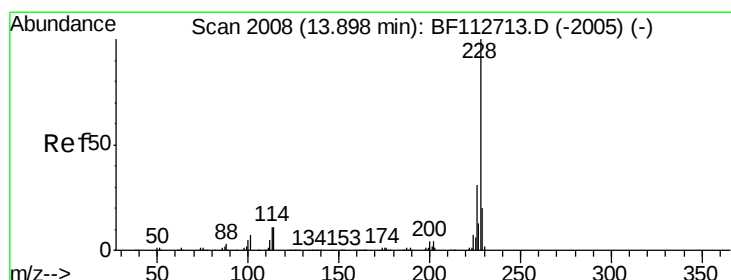
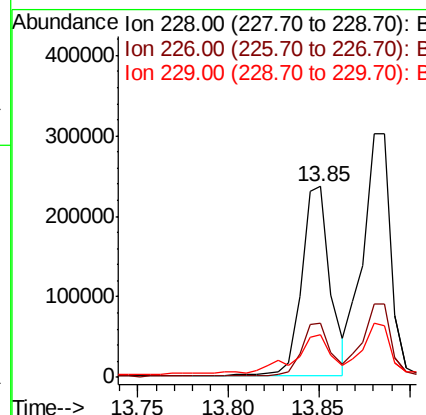
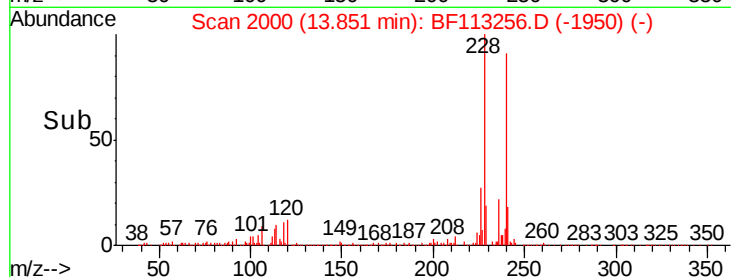
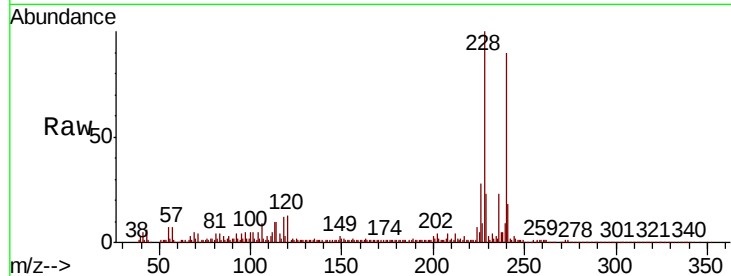
#81
Benzo(a)anthracene
Concen: 8.248 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	261956		
226	28.4		22.2	33.4
229	22.5		16.0	24.0

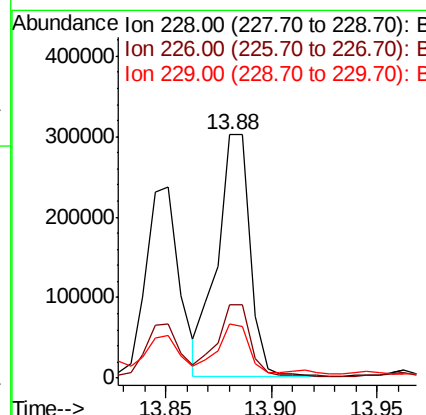
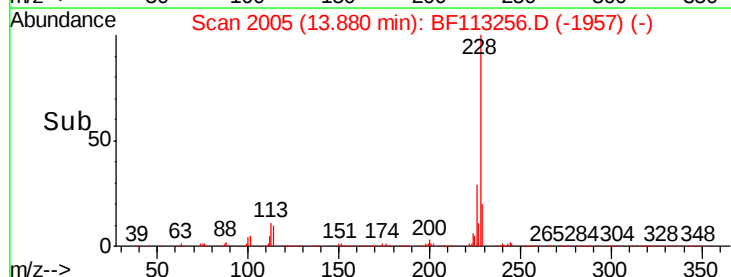
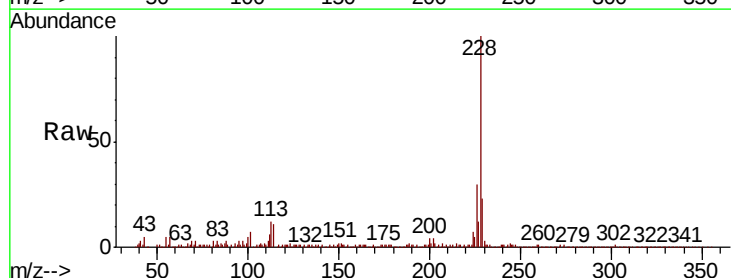
Manual Integrations
APPROVED

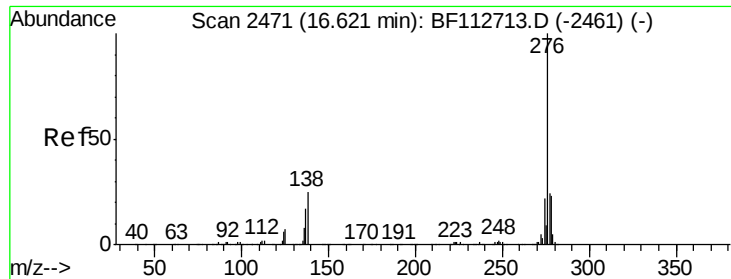
Sohil
3/25/2019 12:48:17 PM



#83
Chrysene
Concen: 10.458 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	325361		
226	30.1		24.9	37.3
229	22.5		16.3	24.5





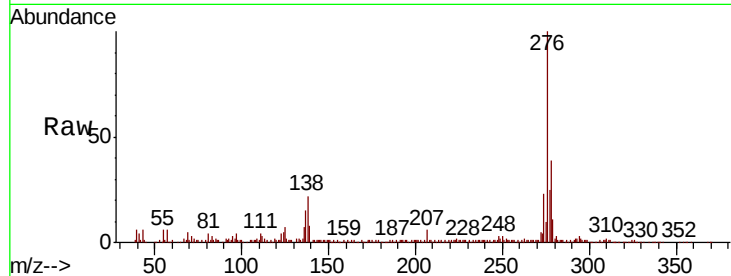
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.830 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

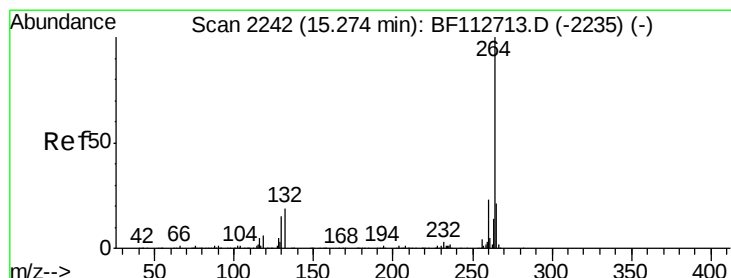
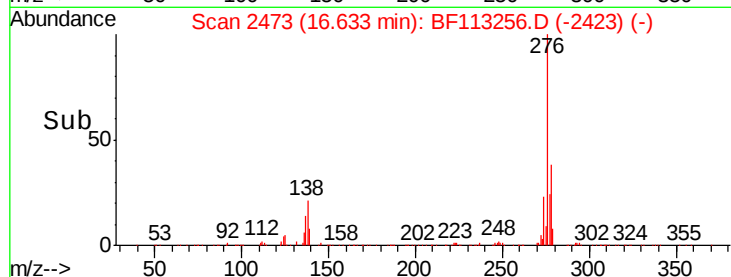
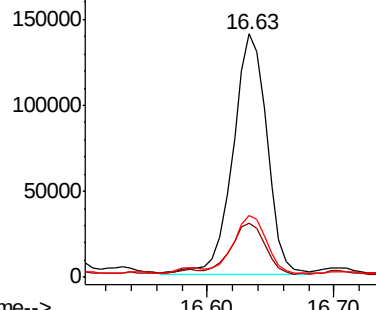
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	23.2	34.8#
277	23.8	19.9	29.9

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM

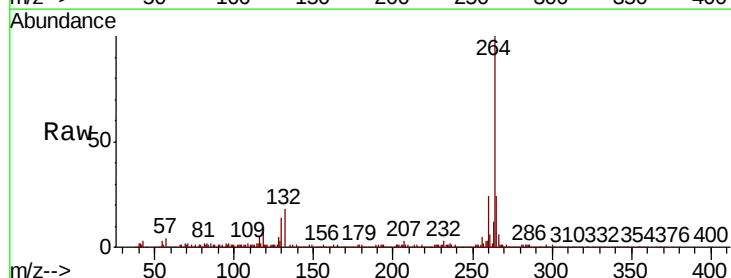


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

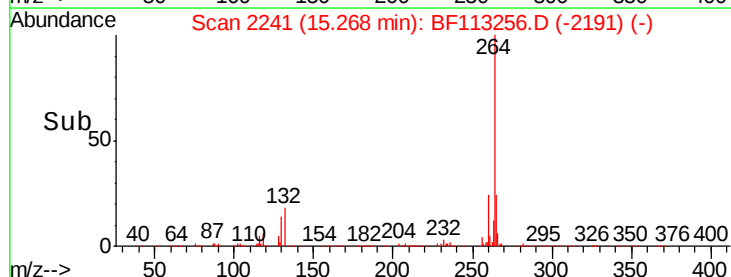
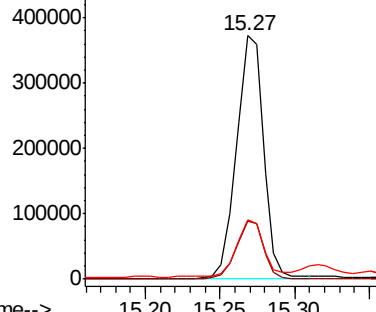


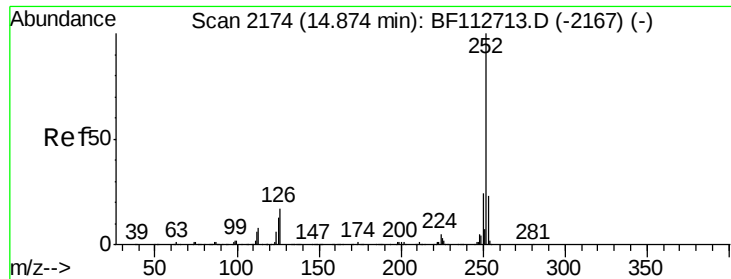
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	24.2	17.2	25.8



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





#88

Benzo(b)fluoranthene

Concen: 9.420 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Instrument :

BNA_F

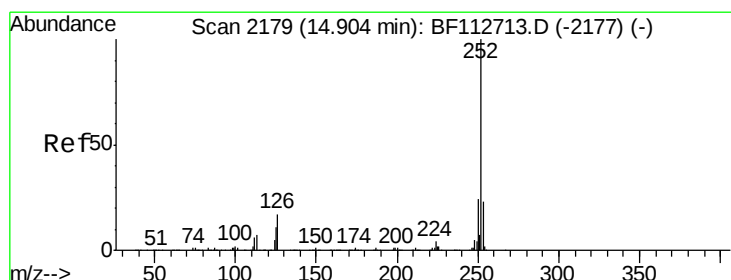
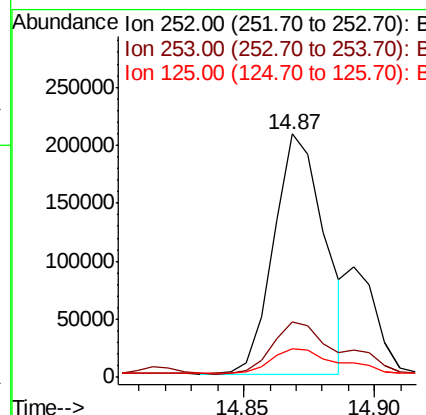
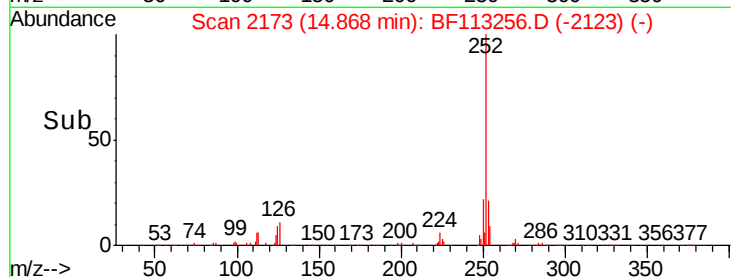
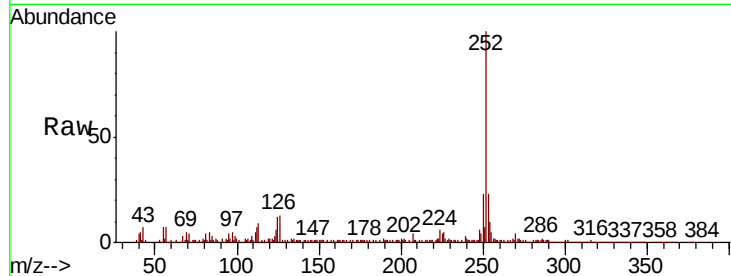
ClientSampleId :

SB-23(4-5)

Tot Ion:	252	Resp:	282710
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	11.7	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM



#89

Benzo(k)fluoranthene

Concen: 2.665 ng m

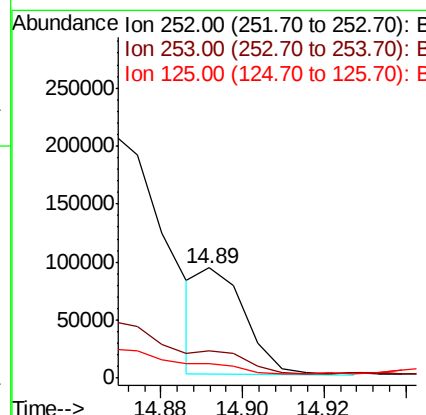
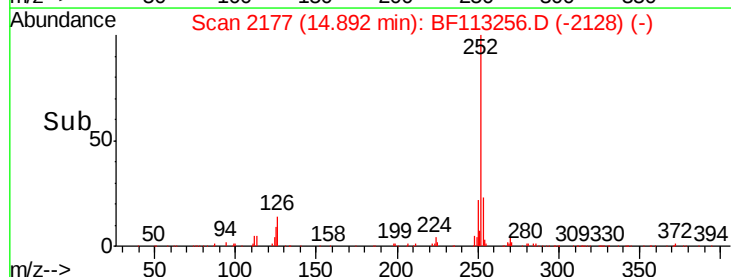
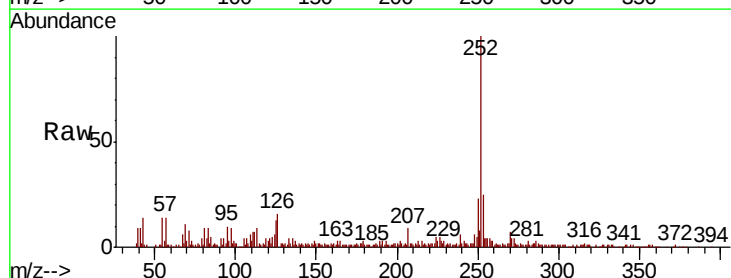
RT: 14.89 min Scan# 2177

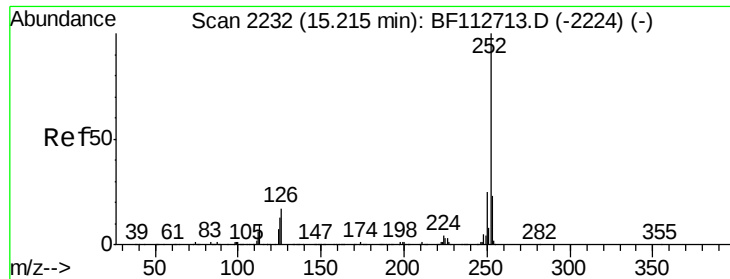
Delta R.T. -0.01 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Tgt Ion:	252	Resp:	72445
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.2	27.2
125	13.1	9.8	14.6





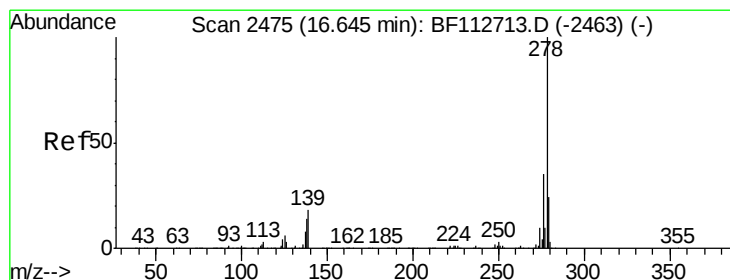
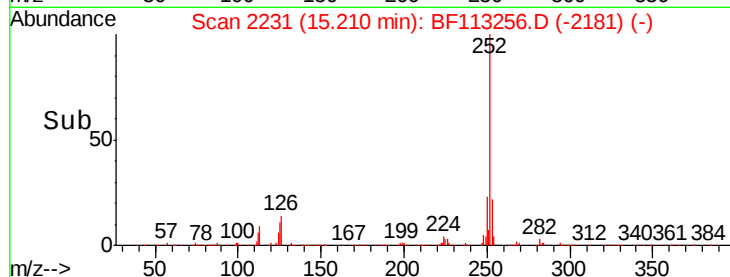
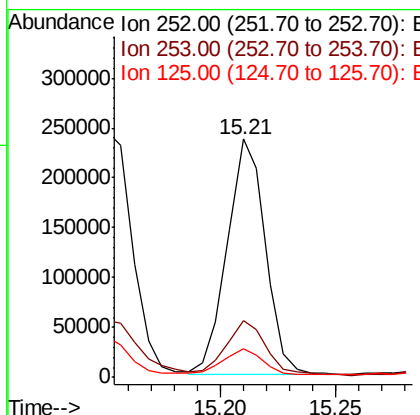
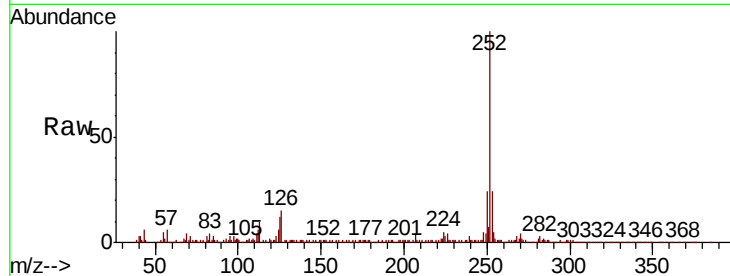
#90
Benzo(a)pyrene
Concen: 10.201 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.1	10.7	16.1

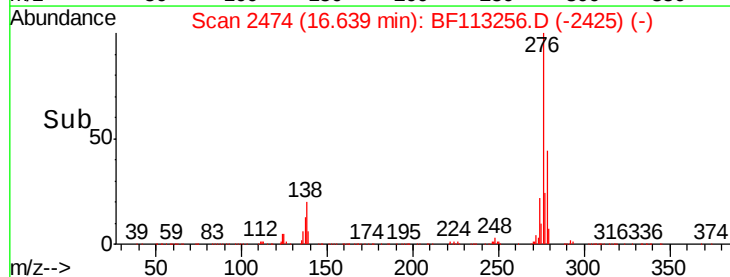
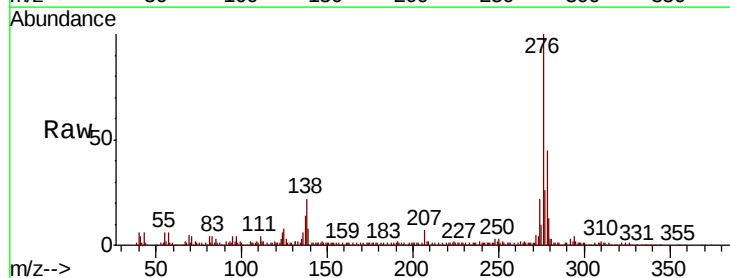
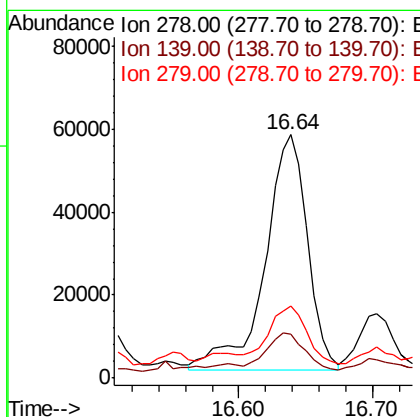
Manual Integrations
APPROVED

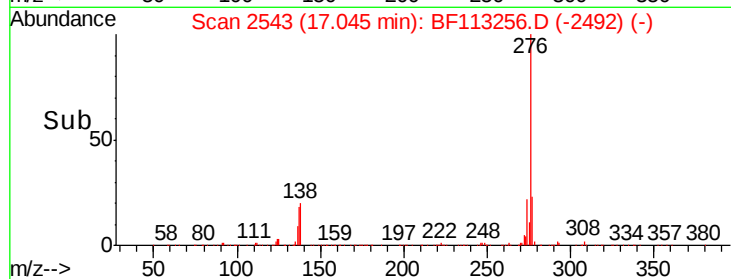
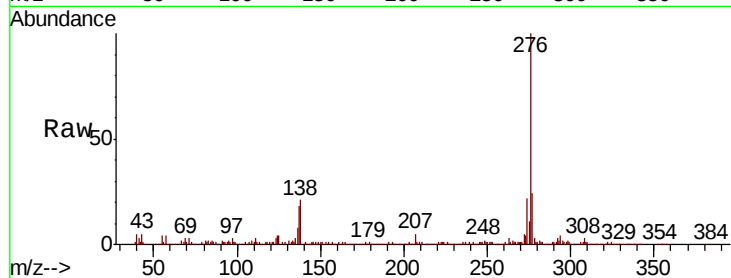
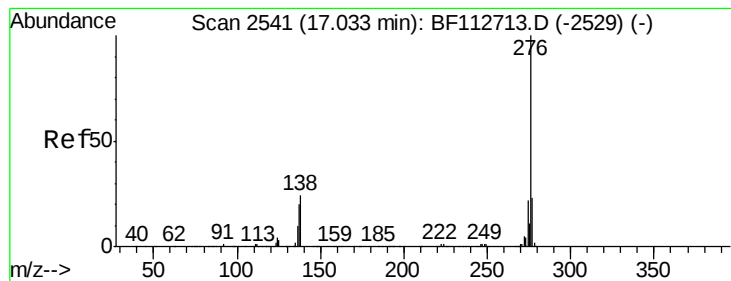
Sohil
3/25/2019 12:48:17 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.576 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BF113256.D
Acq: 23 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.3	21.5
279	29.5	19.4	29.0#





#92

Benzo(a,h,i)perylene

Concen: 15.156 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113256.D

Acq: 23 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

SB-23(4-5)

Tot Ion:	276	Resp:	344744
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	27.8
138	20.8	19.4	29.0

Manual Integrations
APPROVED

Sohil
3/25/2019 12:48:17 PM

