

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110540.D
 Acq On : 7 Nov 2018 2:37
 Operator : JU/SJ
 Sample : J5765-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-110518

Manual Integrations
 APPROVED

Sohil
 11/7/2018 2:54:58 PM

Quant Time: Nov 07 13:27:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	69168	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	259770	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	100946	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	182794	20.00	ng	0.00
76) Chrysene-d12	14.14	240	120611	20.00	ng	0.00
87) Perylene-d12	15.67	264	95432	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	64612	15.21	ng	0.00
7) Phenol-d6	6.58	99	83441	15.36	ng	0.00
23) Nitrobenzene-d5	7.52	82	40368	9.22	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	13522	13.52	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	81910	12.74	ng	0.00
79) Terphenyl-d14	13.07	244	71684	12.36	ng	0.00
Target Compounds						
71) Phenanthrene	11.52	178	75912	7.937	ng	Qvalue 100
72) Anthracene	11.57	178	24414	2.547	ng	95
75) Fluoranthene	12.71	202	92986	9.579	ng	99
78) Pyrene	12.94	202	87235	10.089	ng	97
81) Benzo(a)anthracene	14.13	228	35946	5.026	ng	96
83) Chrysene	14.17	228	35567m	5.235	ng	
86) Indeno(1,2,3-cd)pyrene	17.24	276	15413	2.735	ng	98
88) Benzo(b)fluoranthene	15.22	252	37518m	6.808	ng	
89) Benzo(k)fluoranthene	15.24	252	13471m	2.486	ng	
90) Benzo(a)pyrene	15.60	252	28067	5.535	ng	# 90
92) Benzo(g,h,i)perylene	17.73	276	19438	4.508	ng	# 86

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

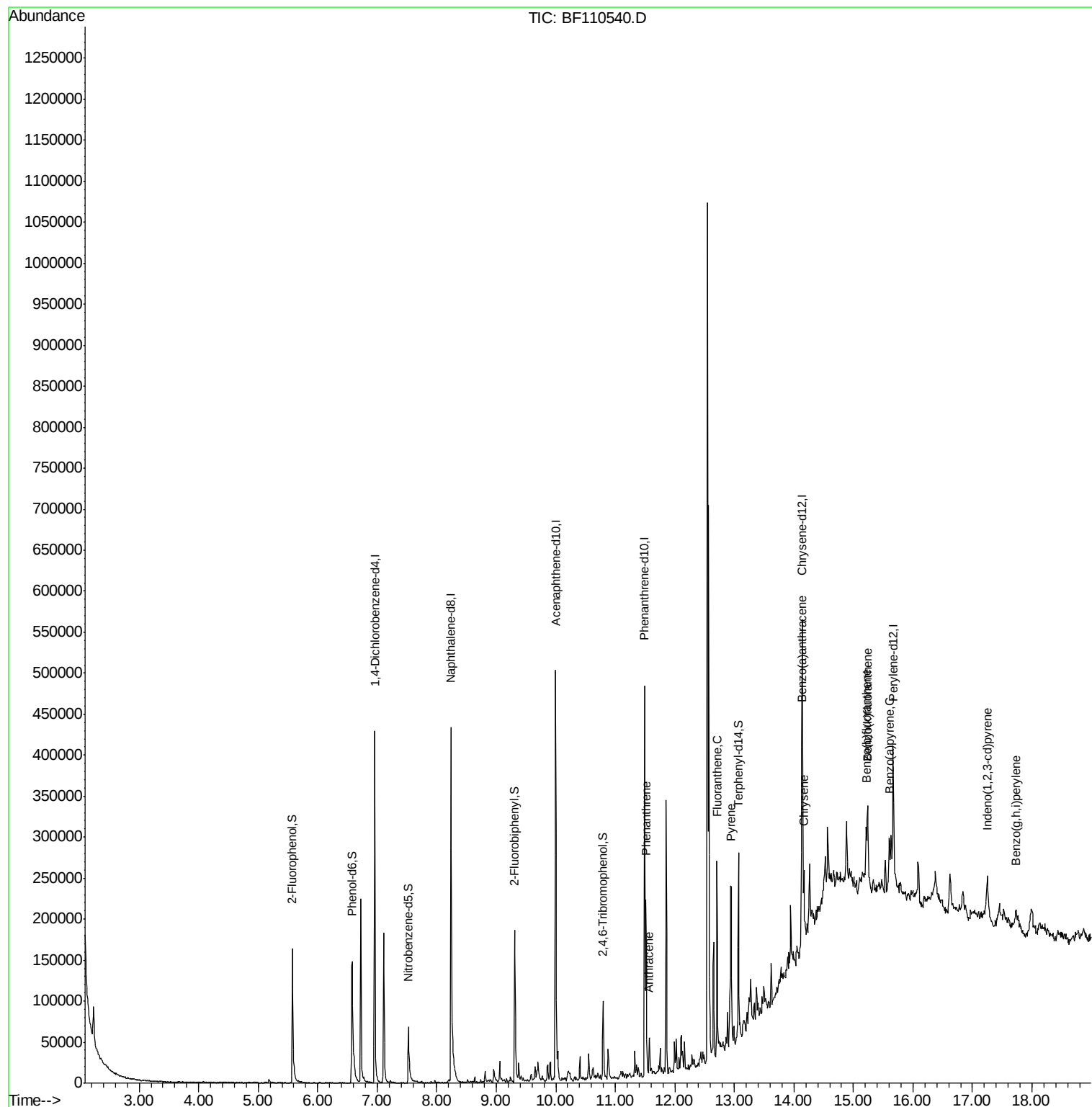
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
Data File : BF110540.D
Acq On : 7 Nov 2018 2:37
Operator : JU/SJ
Sample : J5765-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

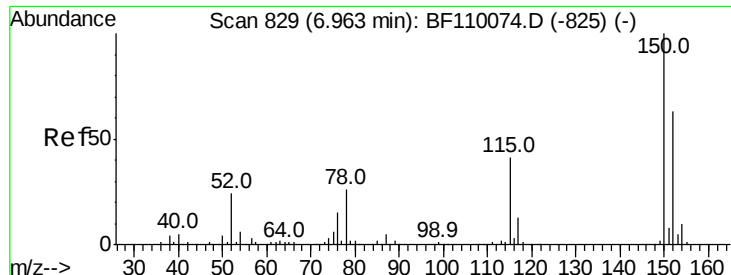
Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:58 PM

Quant Time: Nov 07 13:27:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration





#1

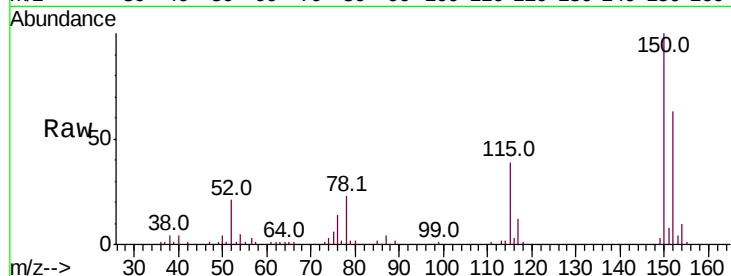
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	122.7	184.1
115	61.5	49.1	73.7

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:58 PM

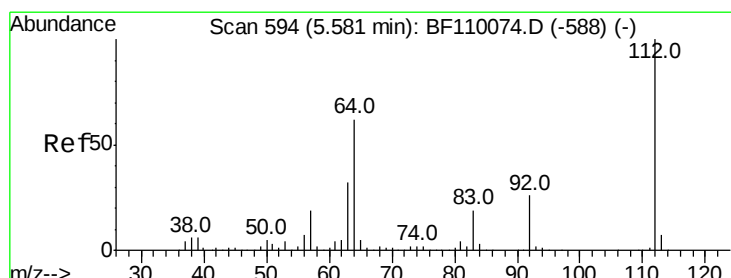
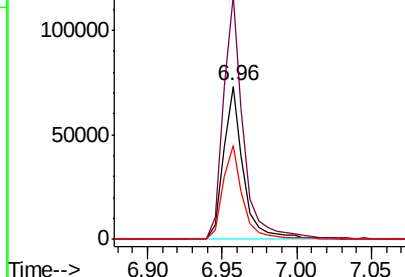
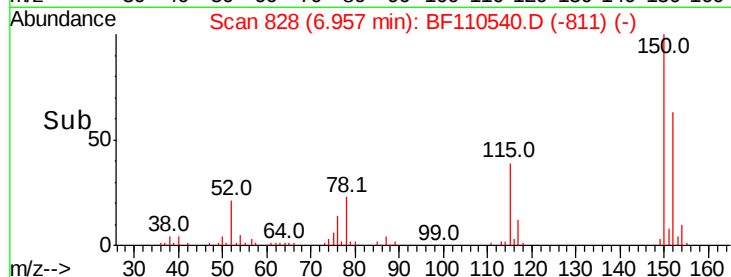


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

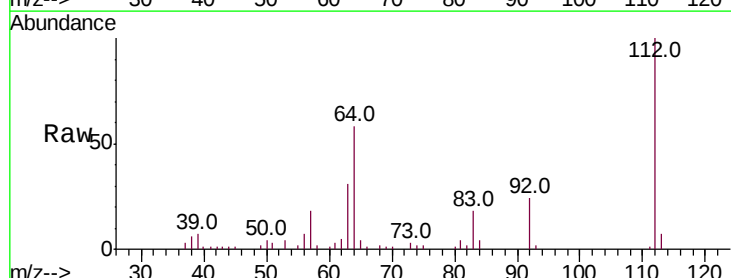
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.212 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.1	66.1
63	30.5	23.7	35.5

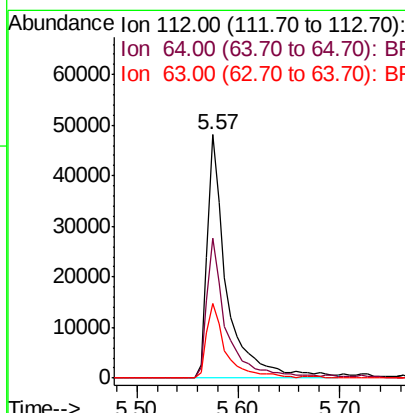
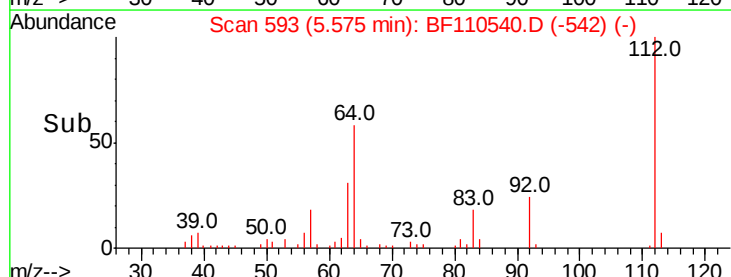


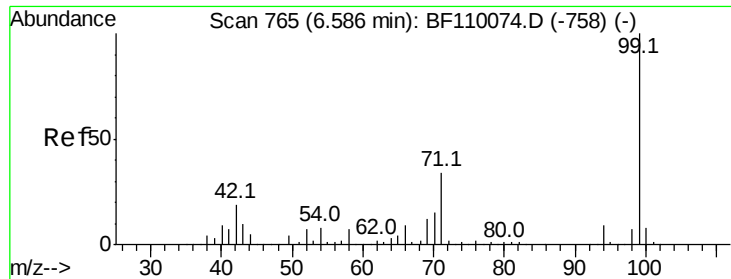
Abundance

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: 15.359 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

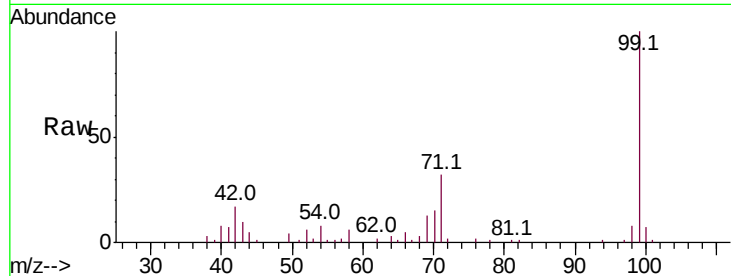
ClientSampleId :

NB-08-110518

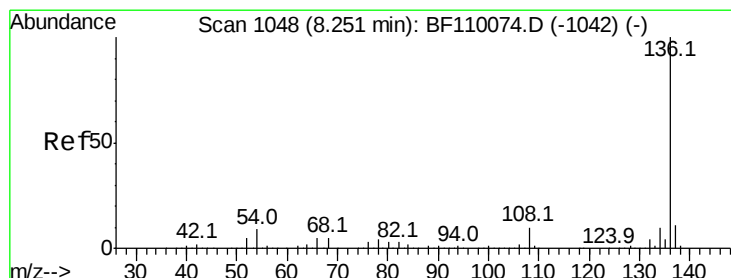
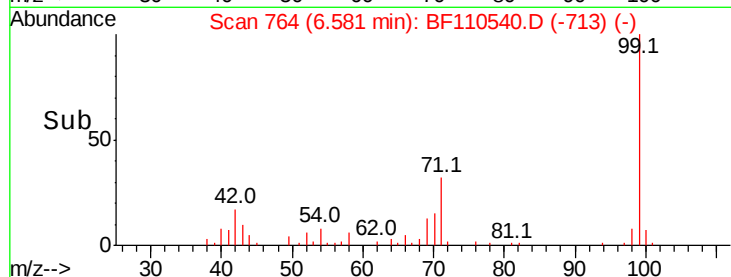
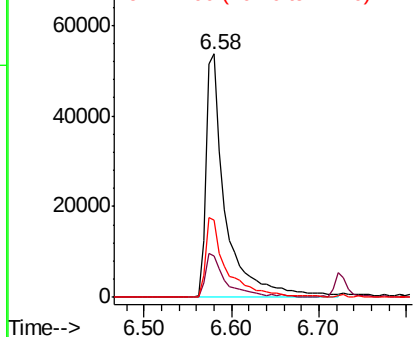
Tot Ion:	99	Resp:	83441
Ion Ratio	Lower	Upper	
99	100		
42	17.0	15.8	23.6
71	31.8	28.0	42.0

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:58 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: 8.24 min Scan# 1046

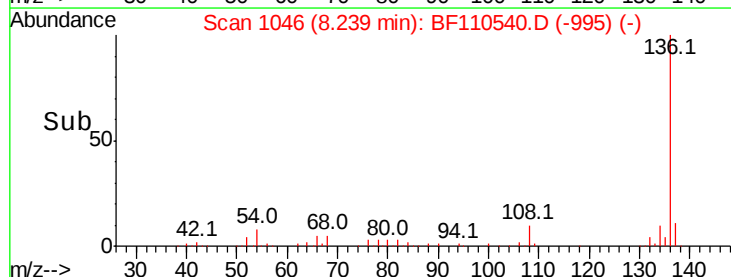
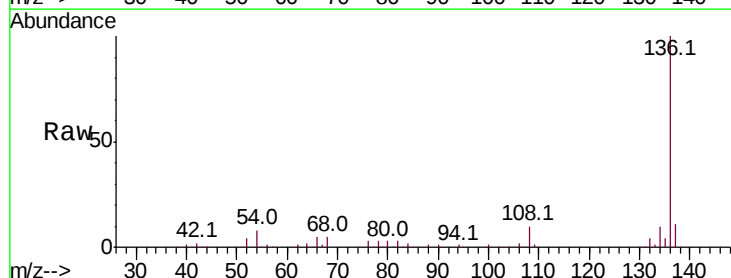
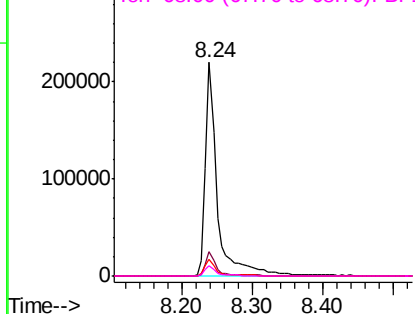
Delta R.T. 0.00 min

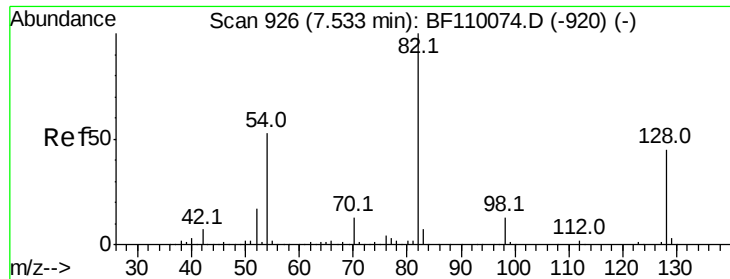
Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Tgt Ion:	136	Resp:	259770
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	8.0	5.4	8.2
68	5.0	4.2	6.2

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





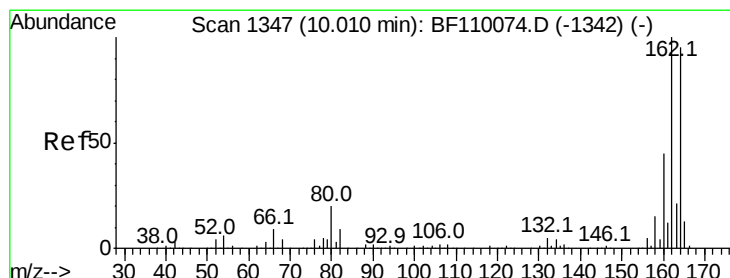
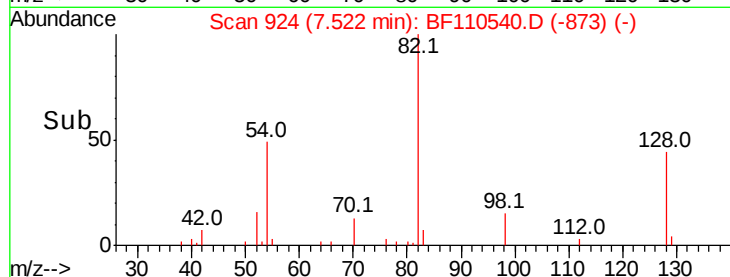
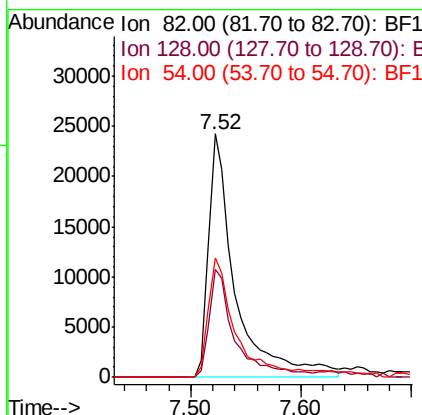
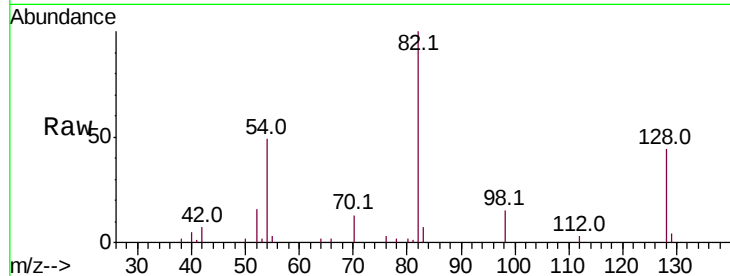
#23
Nitrobenzene-d5
Concen: 9.217 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Tot Ion	82	Resp	40368
Ion Ratio	100	Lower	Upper
128	44.4	34.2	51.2
54	49.0	38.6	58.0

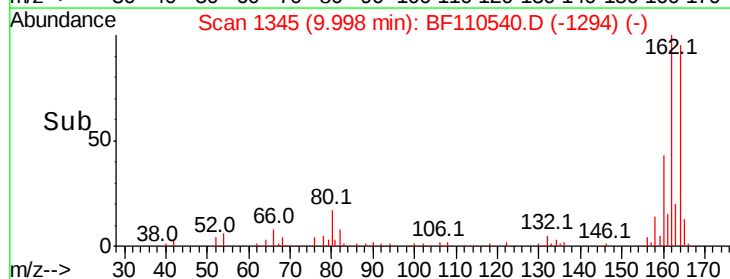
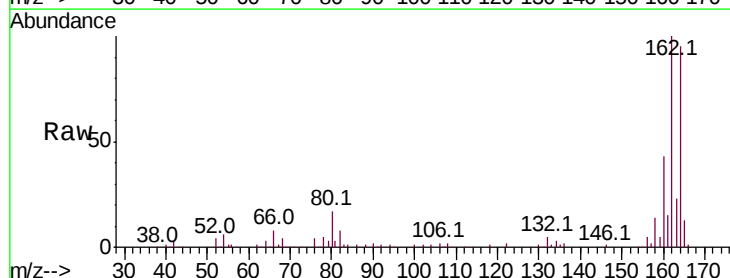
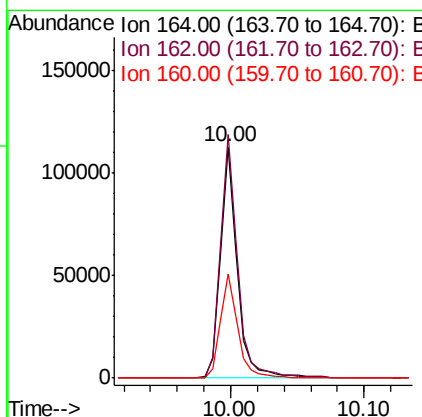
Manual Integrations
APPROVED

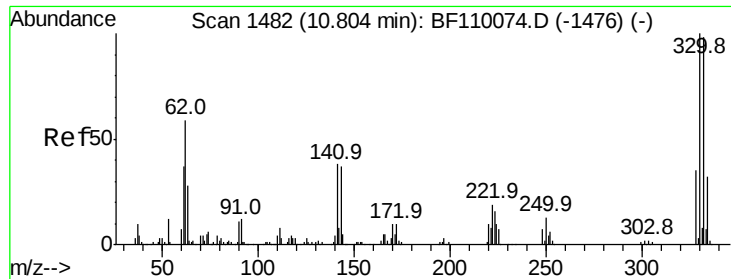
Sohil
11/7/2018 2:54:58 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	164	Resp	100946
Ion Ratio	100	Lower	Upper
162	105.3	83.0	124.6
160	44.9	37.0	55.6





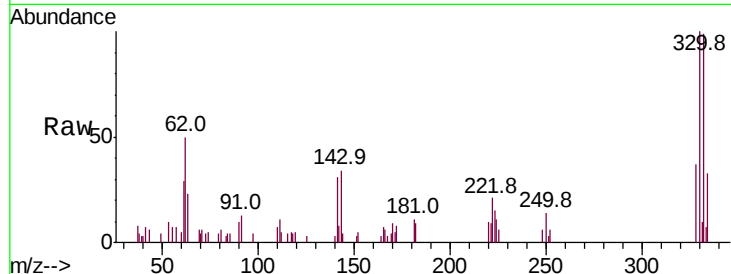
#42
 2,4,6-Tribromophenol
 Concen: 13.523 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BF110540.D
 Acq: 7 Nov 2018 2:37

Instrument :
 BNA_F
 ClientSampled :
 NB-08-110518

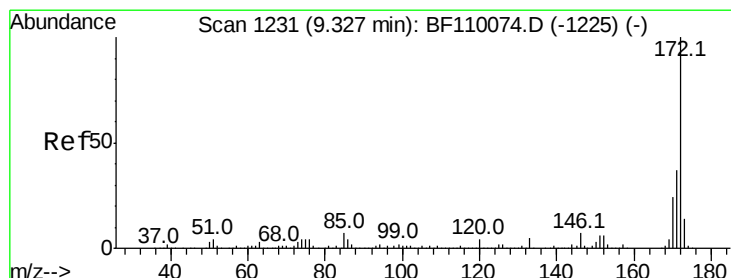
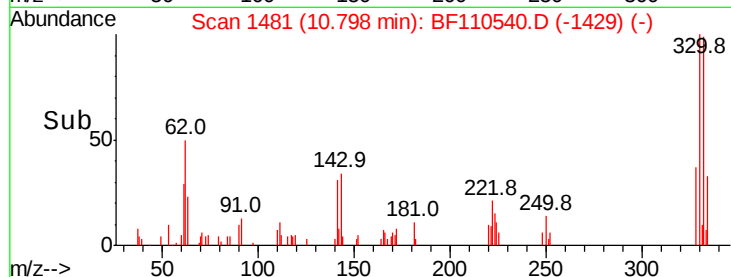
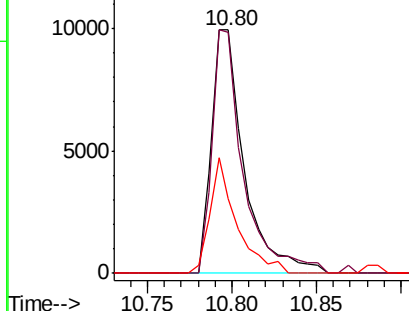
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	38.5	27.0	40.4

Manual Integrations
 APPROVED

Sohil
 11/7/2018 2:54:58 PM



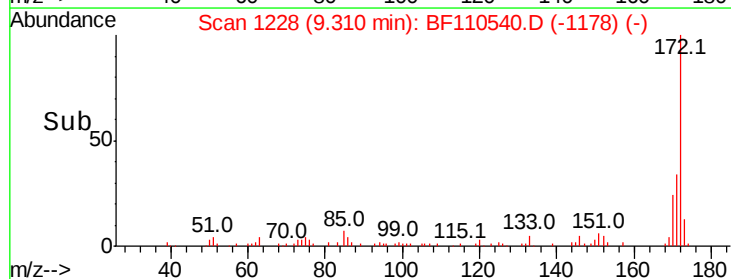
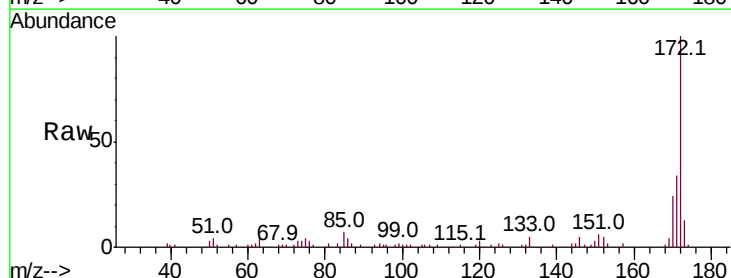
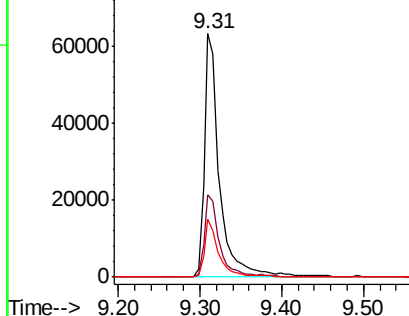
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

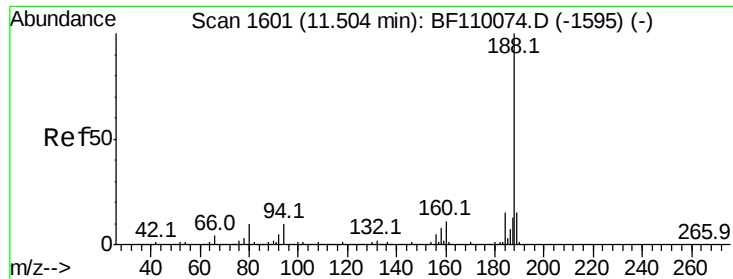


#45
 2-Fluorobiphenyl
 Concen: 12.741 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110540.D
 Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	43.0
170	23.9	19.7	29.5

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





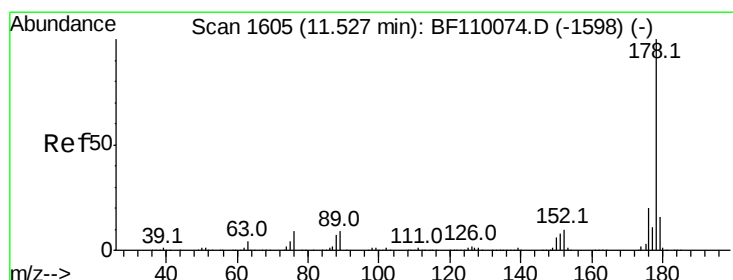
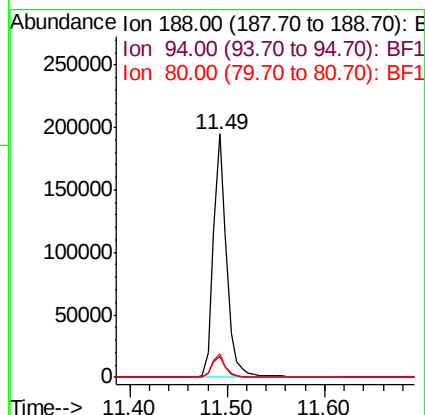
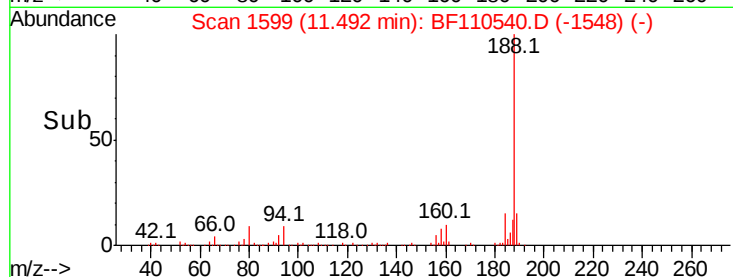
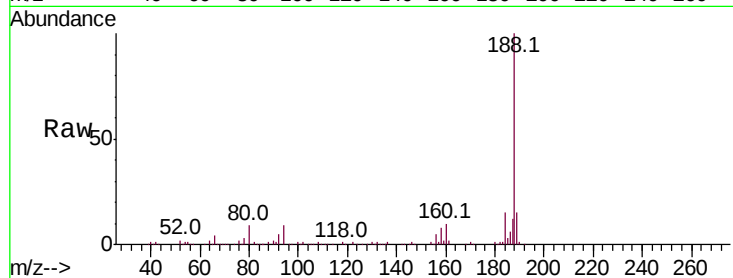
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Tot Ion:188	Resp:	182794
Ion Ratio	Lower	Upper
188 100		
94 8.8	7.2	10.8
80 9.4	7.9	11.9

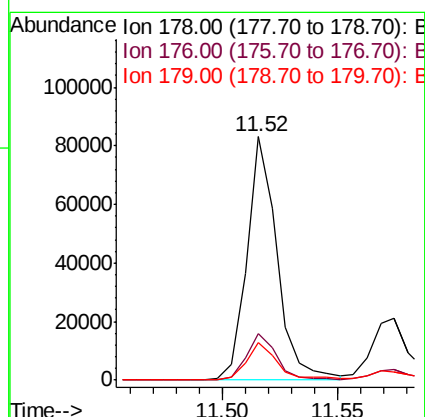
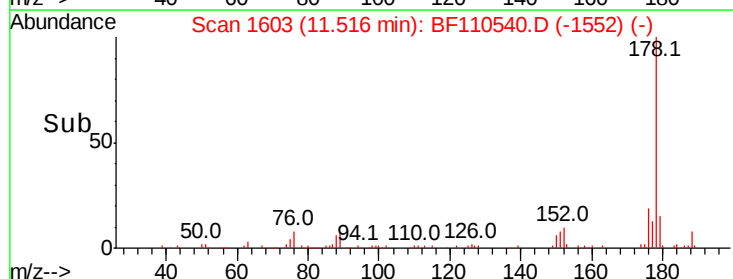
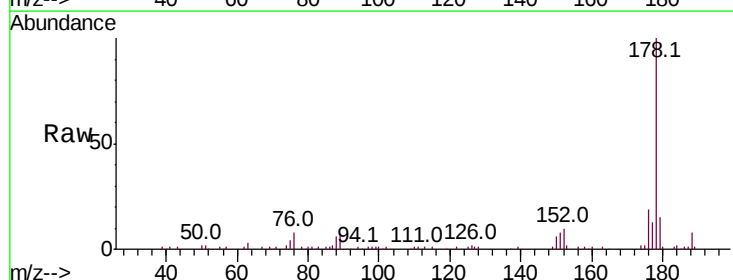
Manual Integrations
APPROVED

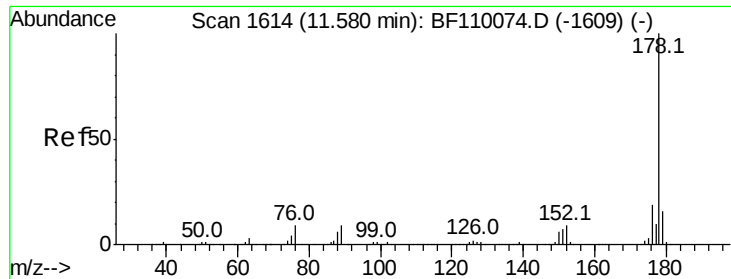
Sohil
11/7/2018 2:54:58 PM



#71
Phenanthrene
Concen: 7.937 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion:178	Resp:	75912
Ion Ratio	Lower	Upper
178 100		
176 19.3	15.5	23.3
179 15.4	12.5	18.7





#72

Anthracene

Concen: 2.547 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

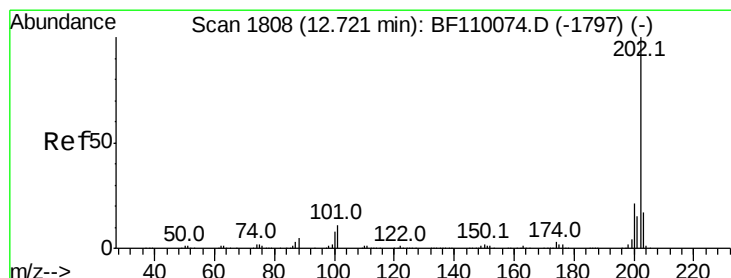
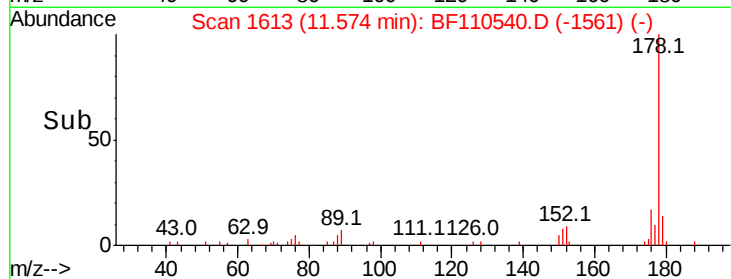
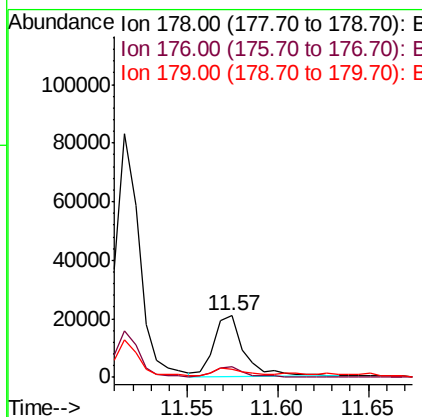
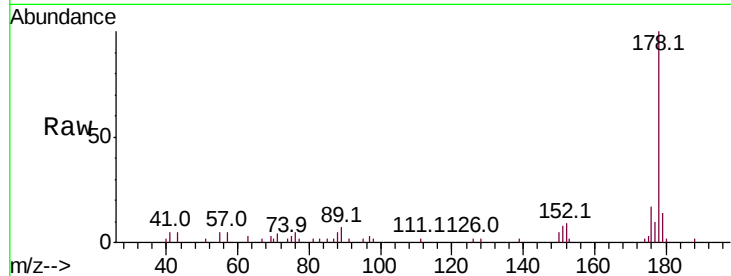
ClientSampled :

NB-08-110518

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.4	23.2
179	13.9	12.6	18.8

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:58 PM



#75

Fluoranthene

Concen: 9.579 ng

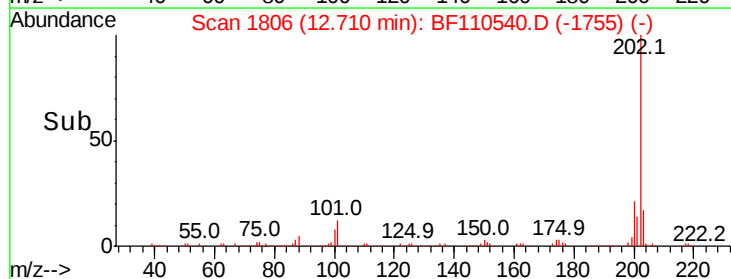
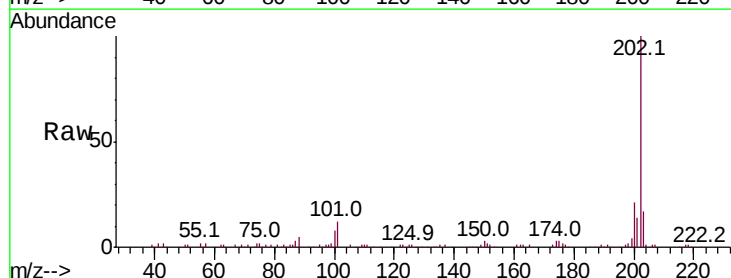
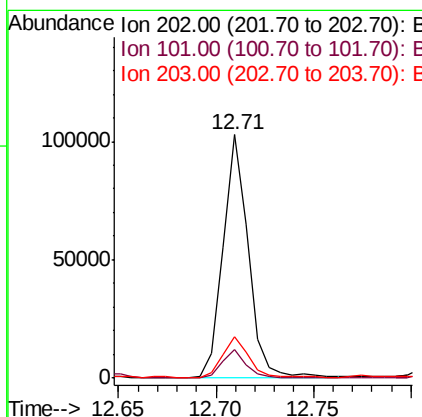
RT: 12.71 min Scan# 1806

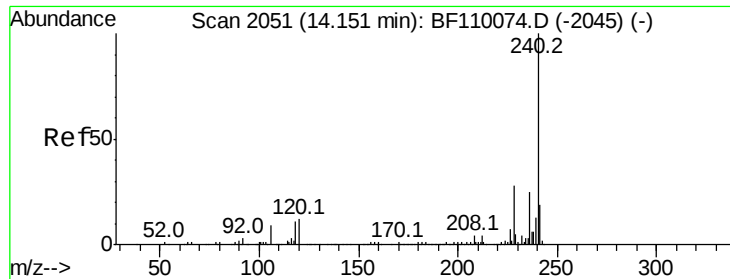
Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	17.2	0.0	37.7





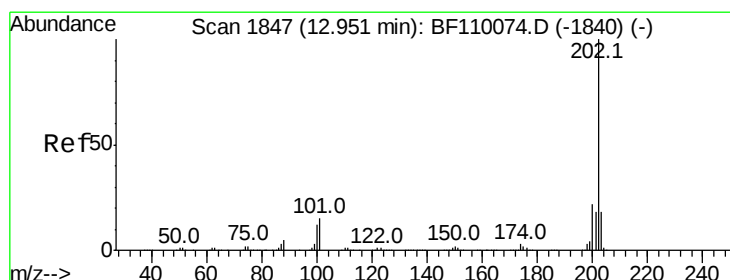
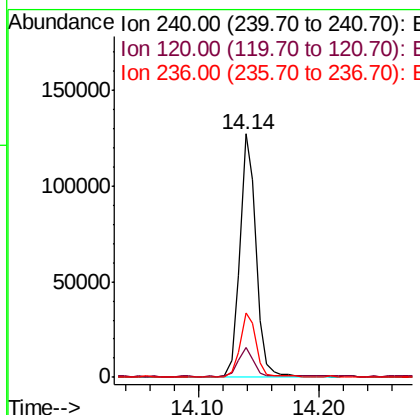
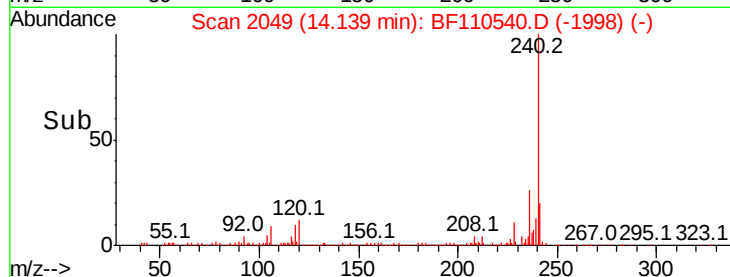
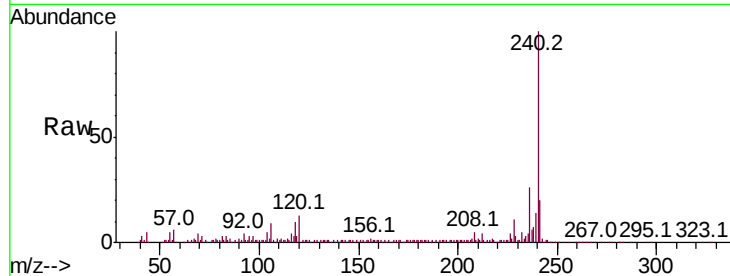
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.5	8.3	12.5#	
236	26.4	21.2	31.8	

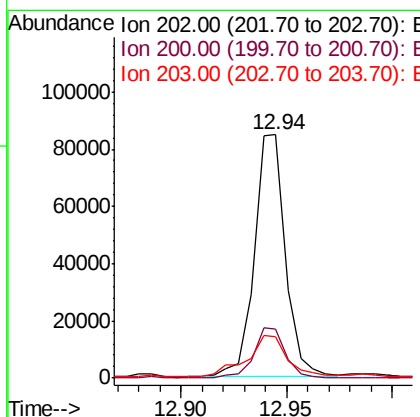
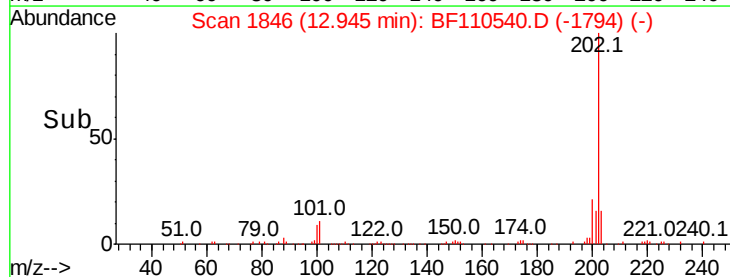
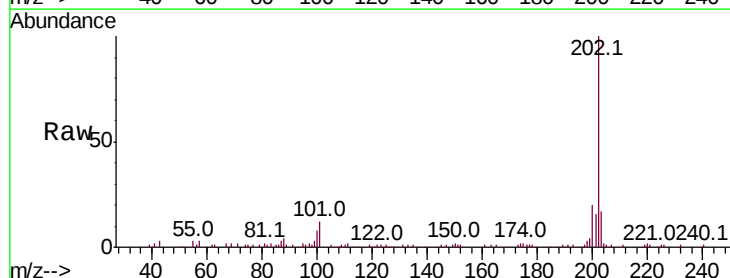
Manual Integrations
APPROVED

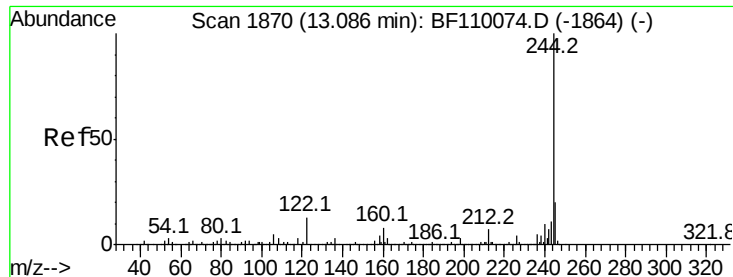
Sohil
11/7/2018 2:54:58 PM



#78
Pyrene
Concen: 10.089 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.8	26.6	
203	16.9	14.2	21.4	





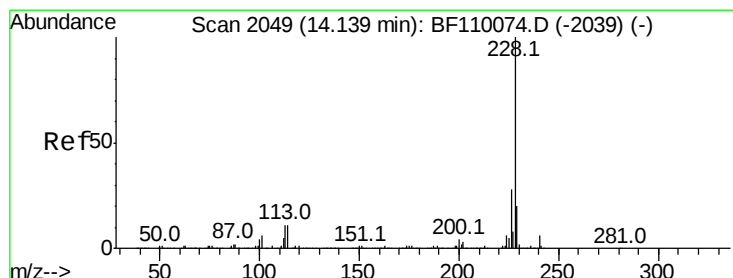
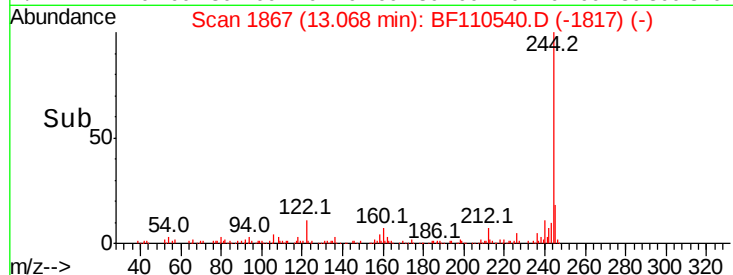
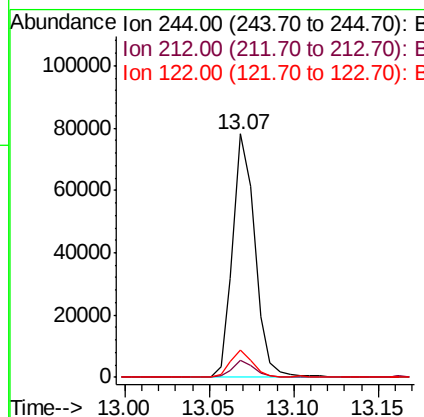
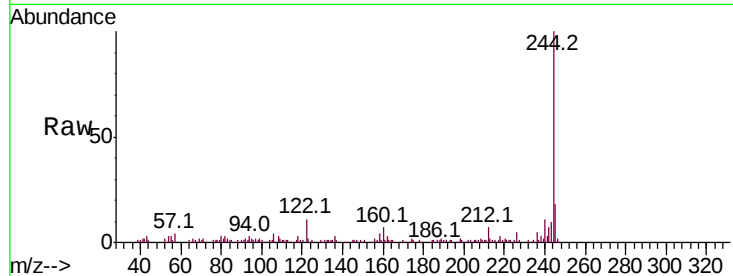
#79
 Terphenyl-d14
 Concen: 12.361 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110540.D
 Acq: 7 Nov 2018 2:37

Instrument :
 BNA_F
 ClientSampled :
 NB-08-110518

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.2	8.7	13.1

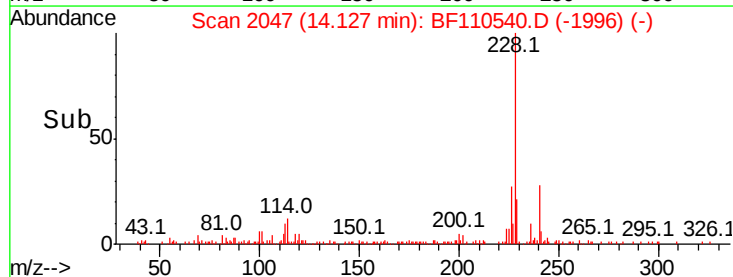
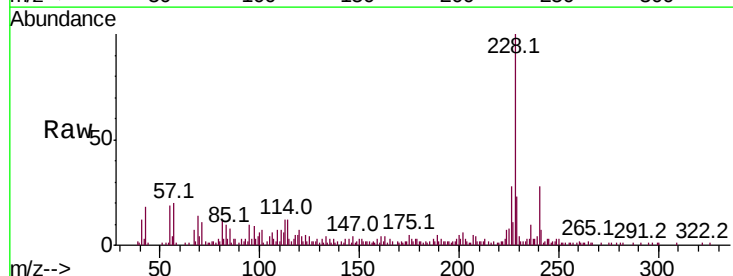
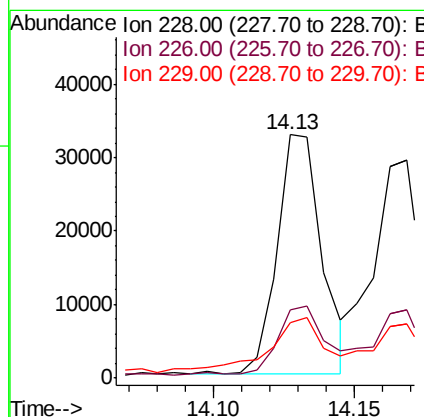
Manual Integrations
 APPROVED

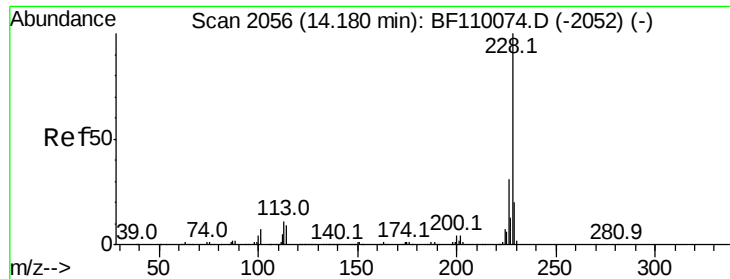
Sohil
 11/7/2018 2:54:58 PM



#81
 Benzo(a)anthracene
 Concen: 5.026 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: BF110540.D
 Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	22.8	15.6	23.4





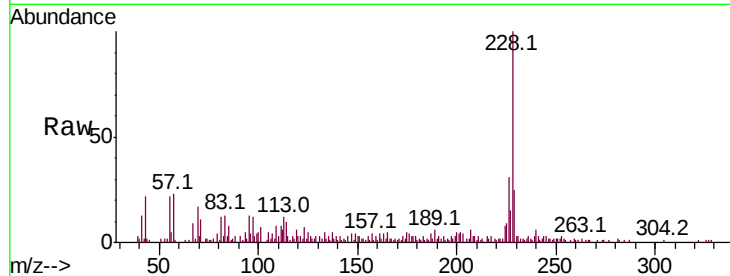
#83
Chrysene
Concen: 5.235 ng/ml
RT: 14.17 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	24.9	15.9	23.9

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:58 PM

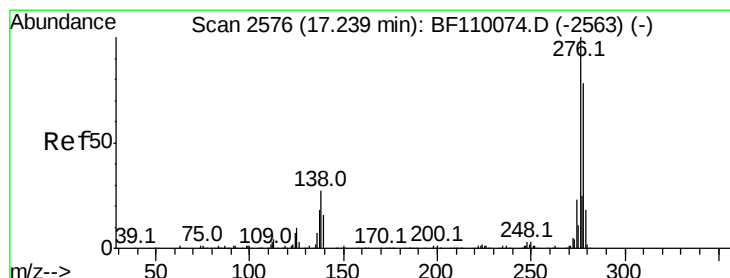
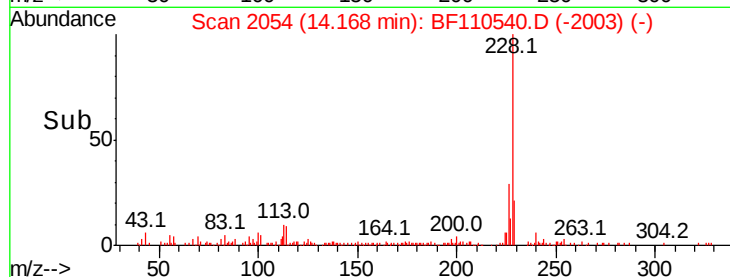
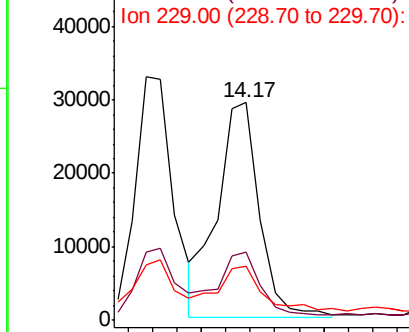


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.735 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.02 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

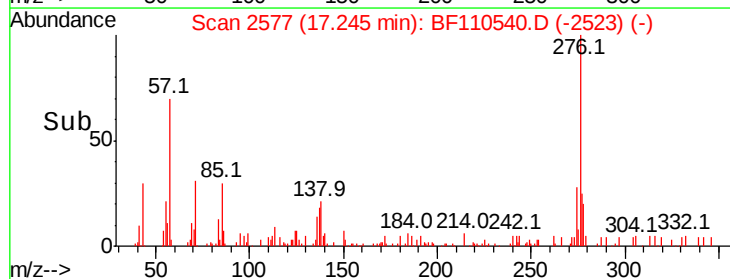
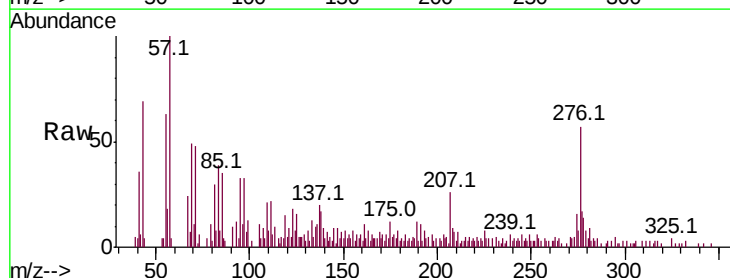
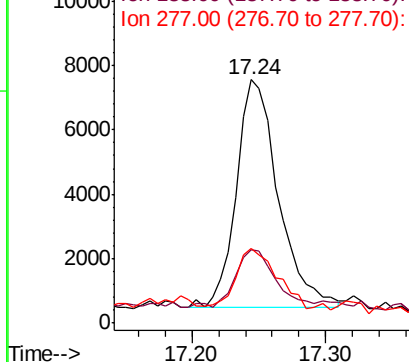
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	18.5	27.7
277	24.8	20.0	30.0

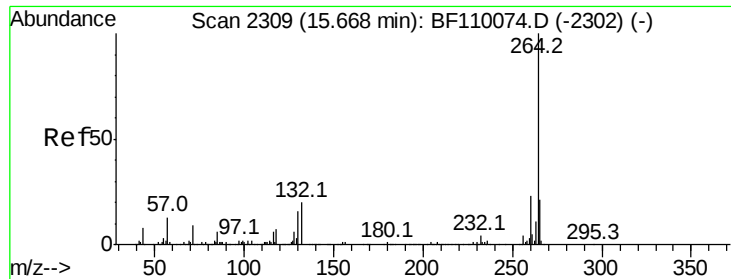
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

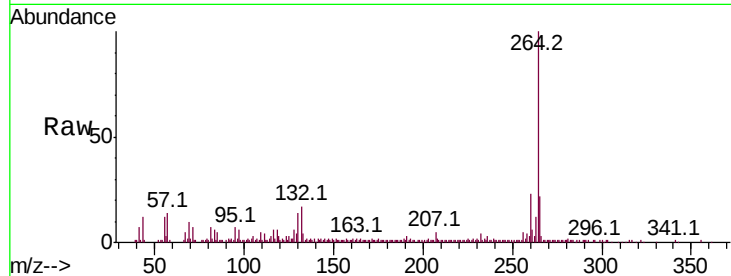
ClientSampleId :

NB-08-110518

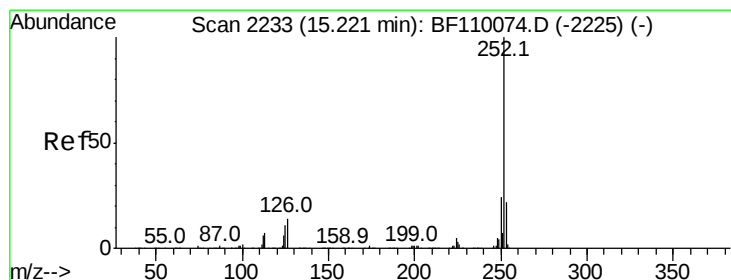
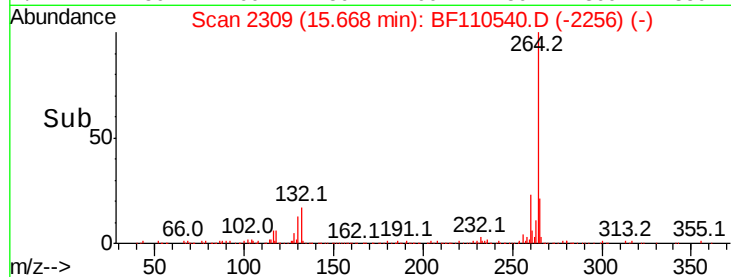
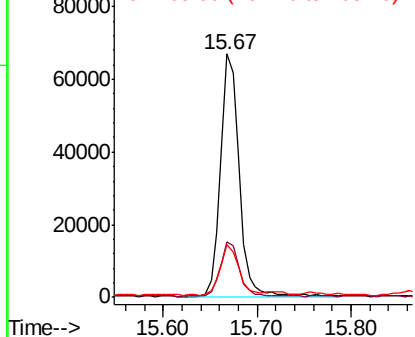
Tot Ion:	264	Resp:	95432
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.7	28.1
265	21.7	16.7	25.1

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:58 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



#88

Benzo(b)fluoranthene

Concen: 6.808 ng m

RT: 15.22 min Scan# 2232

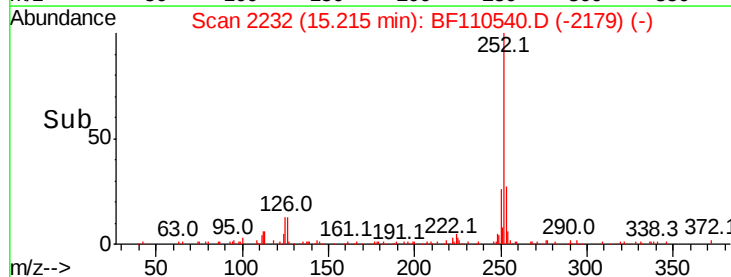
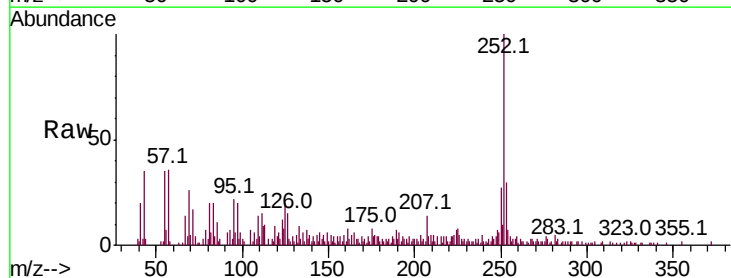
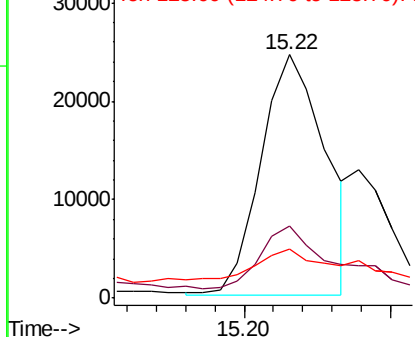
Delta R.T. 0.01 min

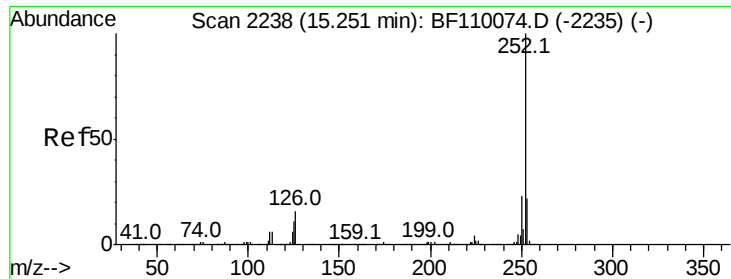
Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Tgt Ion:	252	Resp:	37518
Ion Ratio	Lower	Upper	
252	100		
253	29.7	17.2	25.8#
125	20.0	8.2	12.4#

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





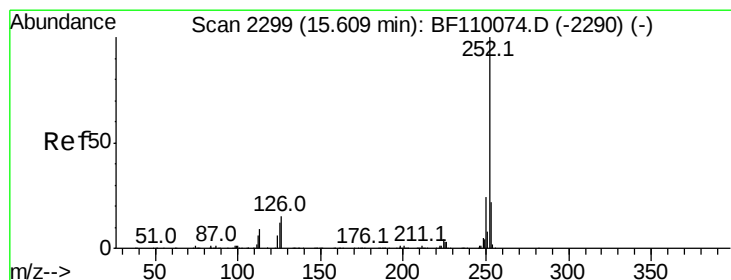
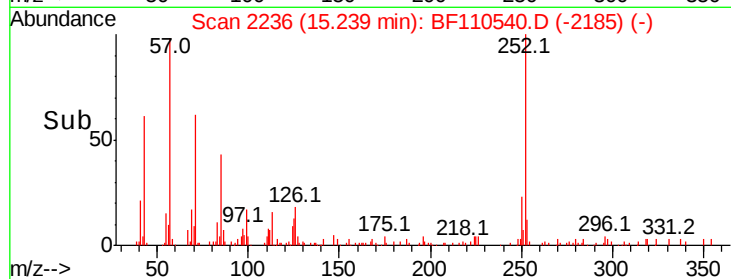
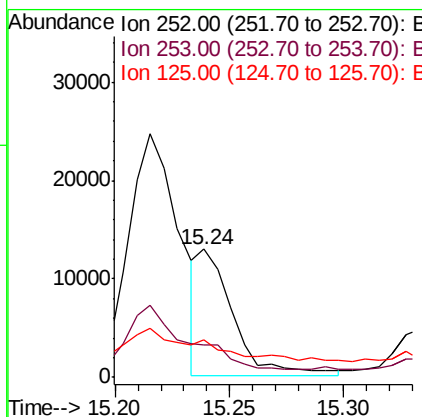
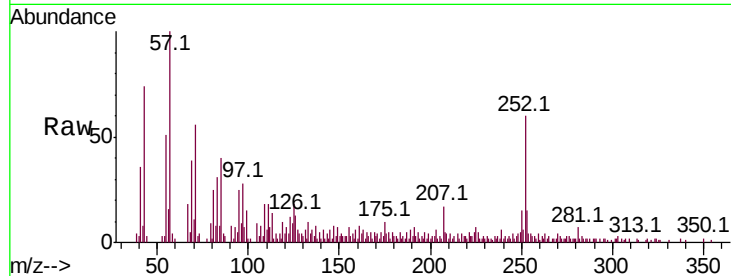
#89
Benzo(k)fluoranthene
Concen: 2.486 ng/mL
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :
NB-08-110518

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	29.5	7.4	11.0

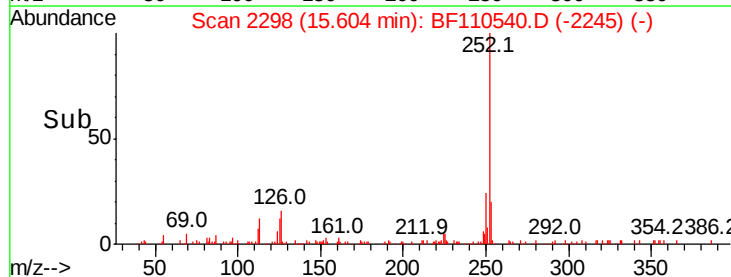
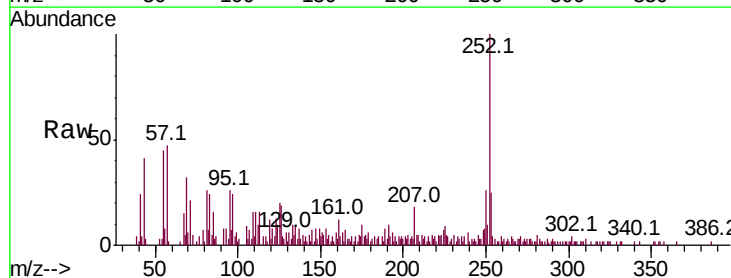
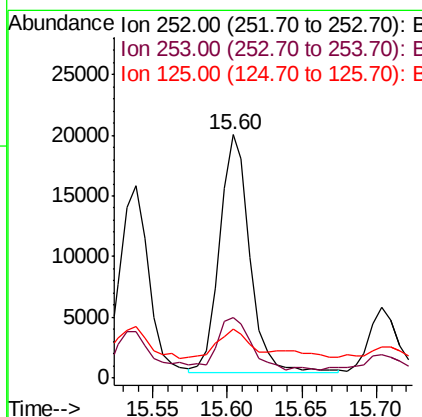
Manual Integrations
APPROVED

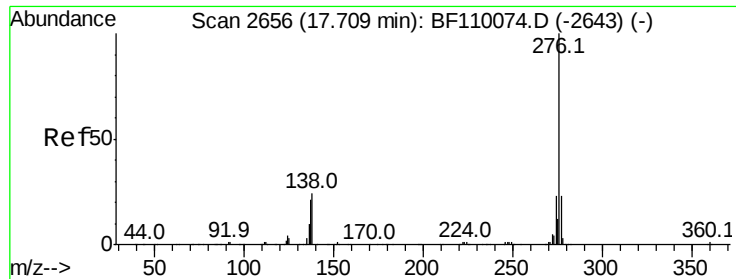
Sohil
11/7/2018 2:54:58 PM



#90
Benzo(a)pyrene
Concen: 5.535 ng/mL
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.4
125	20.0	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.508 ng
 RT: 17.73 min Scan# 2659
 Delta R.T. 0.02 min
 Lab File: BF110540.D
 Acq: 7 Nov 2018 2:37

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-110518

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.5	18.8	28.2#
138	27.3	16.0	24.0#

Manual Integrations
 APPROVED

Sohil
 11/7/2018 2:54:58 PM

