

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110644.D
 Acq On : 9 Nov 2018 22:58
 Operator : JU/SJ
 Sample : J5860-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-SB-106(2-4)

Manual Integrations
 APPROVED

Sohil
 11/12/2018 10:30:22 AM

Quant Time: Nov 11 03:56:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	70242	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	288633	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	119011	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	174845	20.00	ng	0.00
76) Chrysene-d12	14.13	240	125242	20.00	ng	0.00
87) Perylene-d12	15.67	264	100468	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	224193	51.84	ng	0.00
7) Phenol-d6	6.56	99	300510	54.34	ng	-0.01
23) Nitrobenzene-d5	7.51	82	182323	36.38	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	52895	44.11	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	353381	42.41	ng	0.00
79) Terphenyl-d14	13.06	244	237501	35.51	ng	0.00
Target Compounds						
71) Phenanthrene	11.50	178	28374	3.029	ng	Qvalue # 91
75) Fluoranthene	12.70	202	46433	4.944	ng	95
78) Pyrene	12.93	202	56113	5.819	ng	99
81) Benzo(a)anthracene	14.13	228	20921	2.795	ng	# 89
83) Chrysene	14.16	228	21601	3.029	ng	# 87
84) Bis(2-ethylhexyl)phthalate	14.09	149	33206	6.449	ng	# 85
86) Indeno(1,2,3-cd)pyrene	17.24	276	11860	2.317	ng	95
88) Benzo(b)fluoranthene	15.22	252	27160m	4.519	ng	
90) Benzo(a)pyrene	15.60	252	13962	2.557	ng	# 30
92) Benzo(g,h,i)perylene	17.72	276	10736	2.342	ng	# 76

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

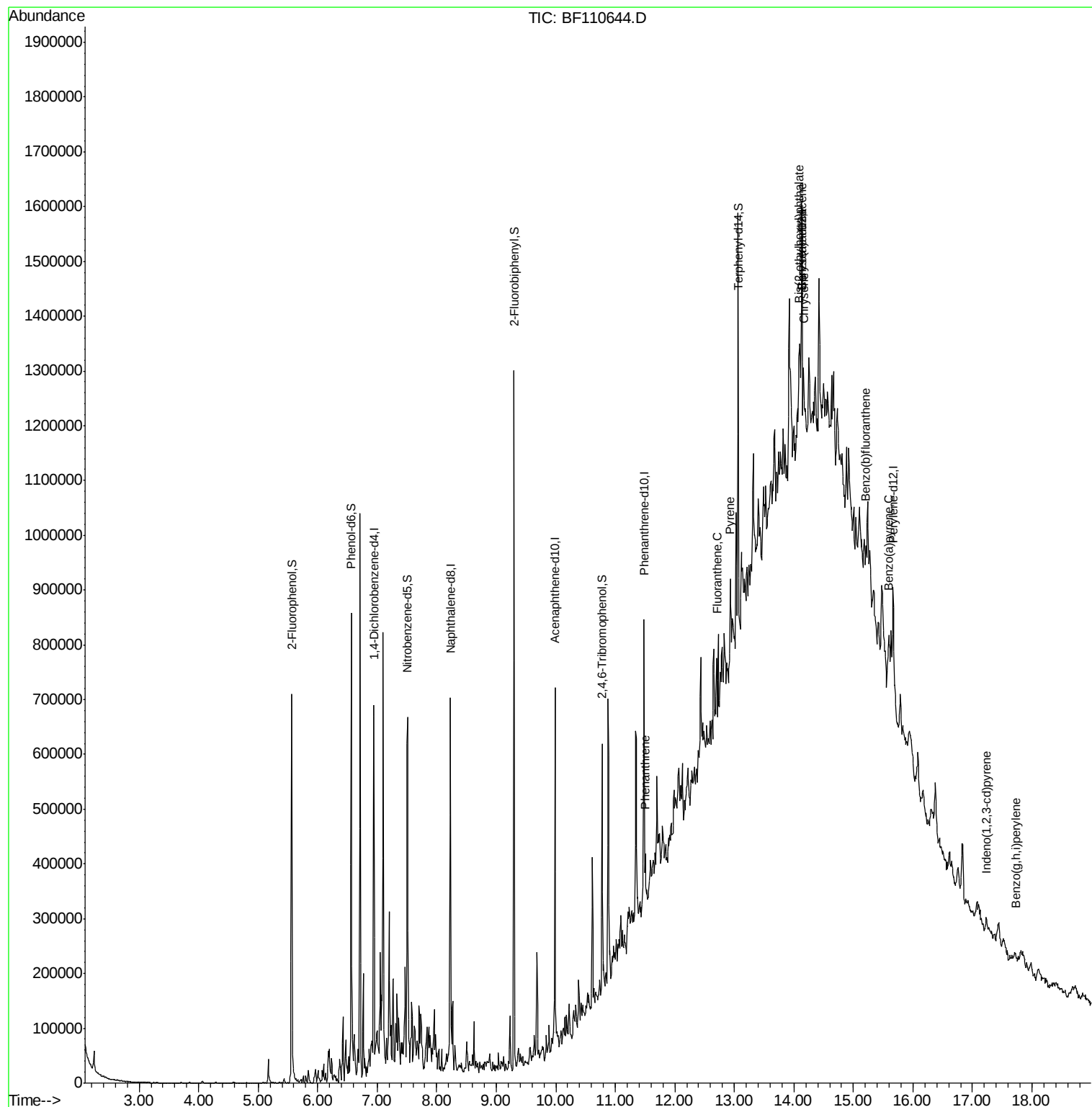
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110644.D
Acq On : 9 Nov 2018 22:58
Operator : JU/SJ
Sample : J5860-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

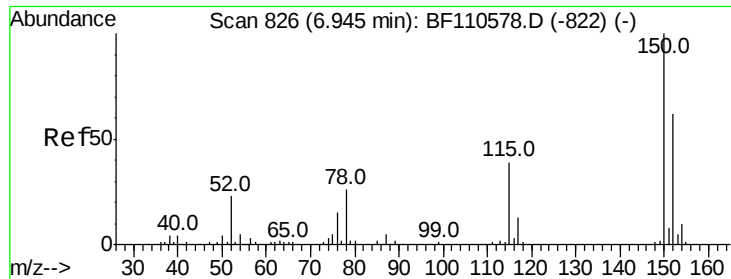
Instrument :
BNA_F
ClientSampleId :
EP2-SB-106(2-4)

Manual Integrations
APPROVED

Sohil
11/12/2018 10:30:22 AM

Quant Time: Nov 11 03:56:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 09 15:13:13 2018
Response via : Initial Calibration





#1

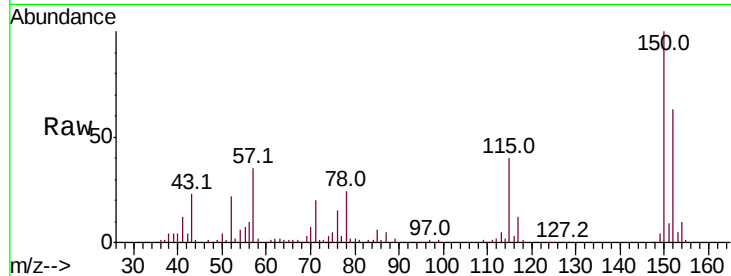
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Instrument :
BNA_F
ClientSampleId :
EP2-SB-106(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	122.7	184.1
115	63.5	49.1	73.7

Manual Integrations
APPROVED

Sohil
11/12/2018 10:30:22 AM

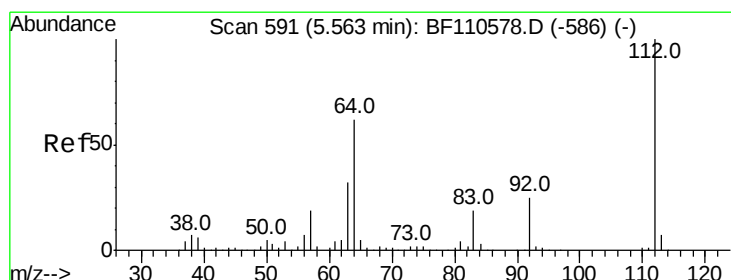
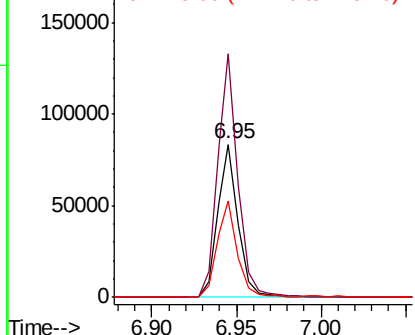
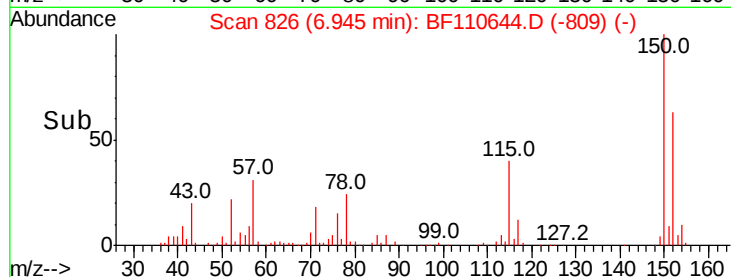


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

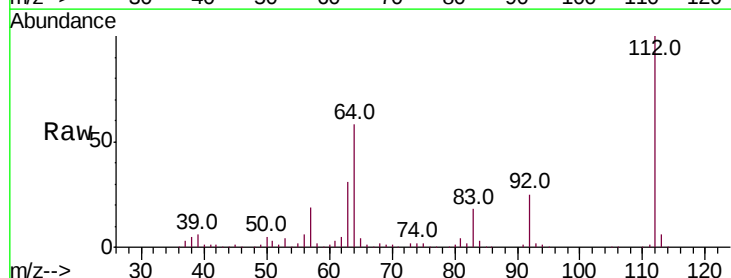
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.844 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	30.9	23.7	35.5

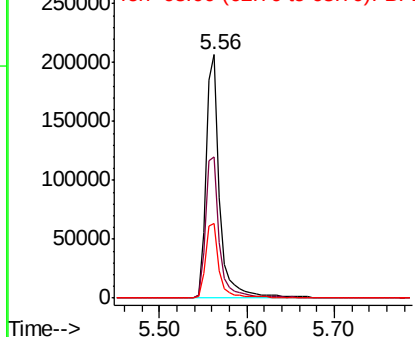
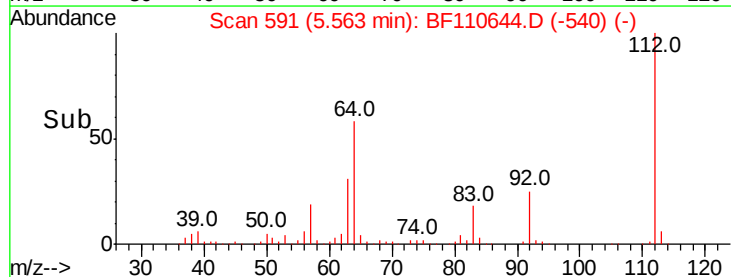


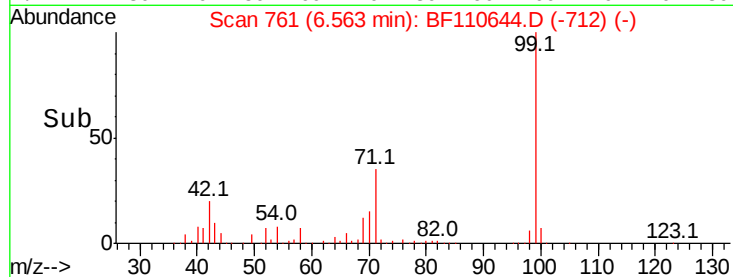
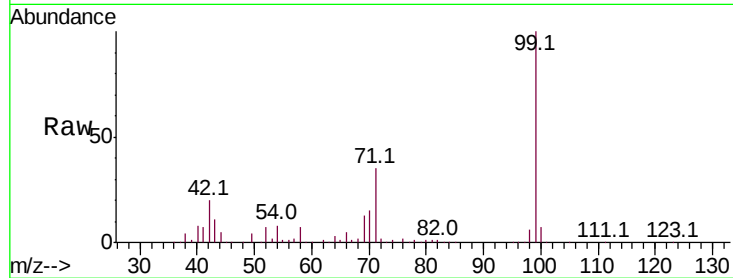
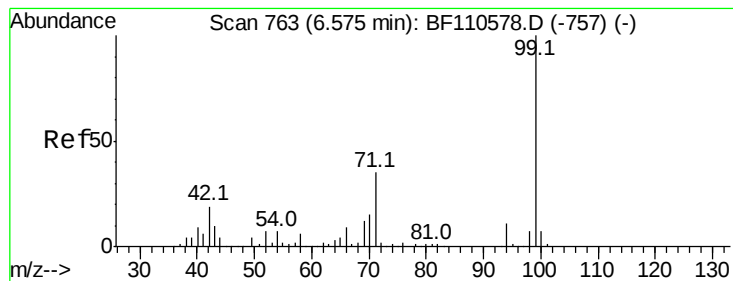
Abundance

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: 54.343 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Tot Ion:	99	Resp:	300510
Ion Ratio	Lower	Upper	
99	100		
42	20.0	15.8	23.6
71	34.6	28.0	42.0

Instrument :

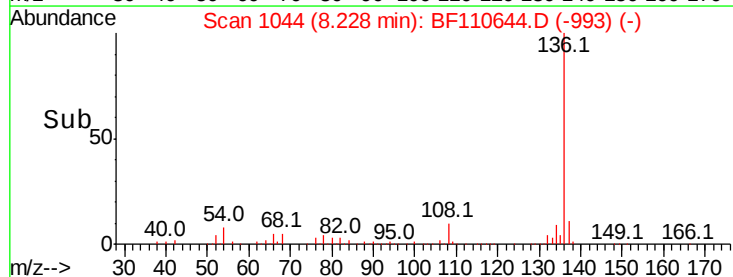
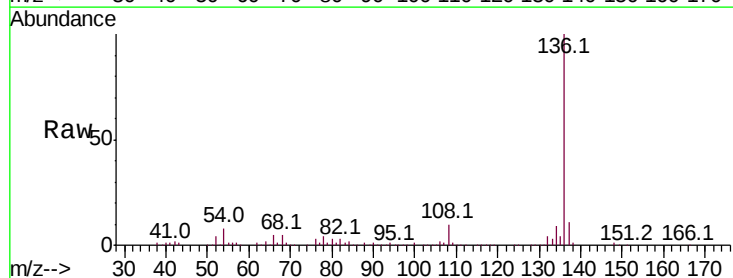
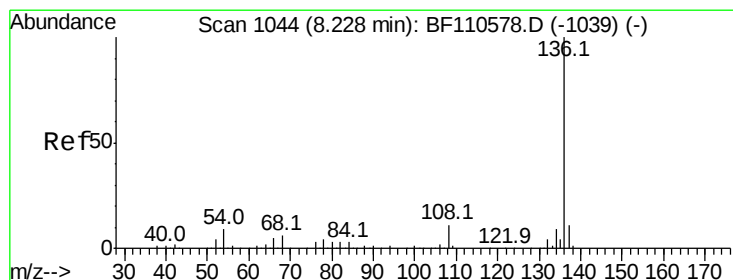
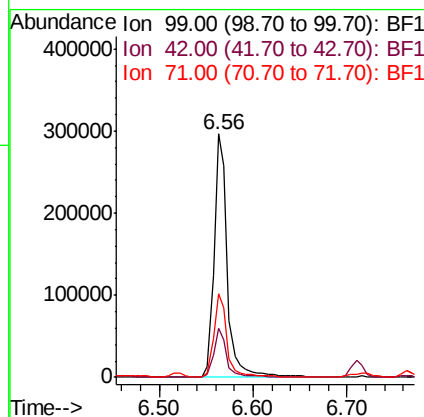
BNA_F

ClientSampled :

EP2-SB-106(2-4)

Manual Integrations
APPROVED

Sohil
11/12/2018 10:30:22 AM



#21

Naphthalene-d8

Concen: 20.000 ng

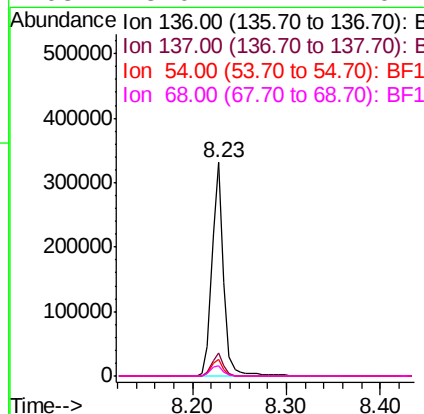
RT: 8.23 min Scan# 1044

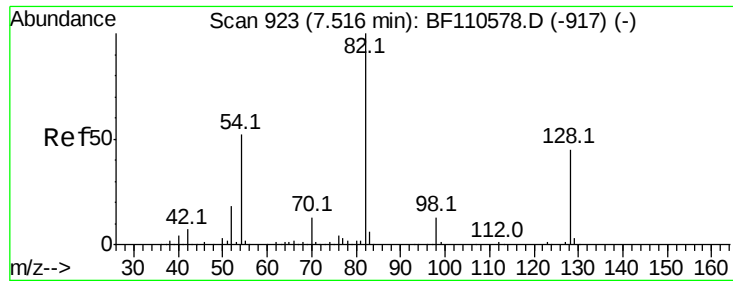
Delta R.T. 0.00 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Tgt Ion:	136	Resp:	288633
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.6	5.4	8.2
68	5.0	4.2	6.2





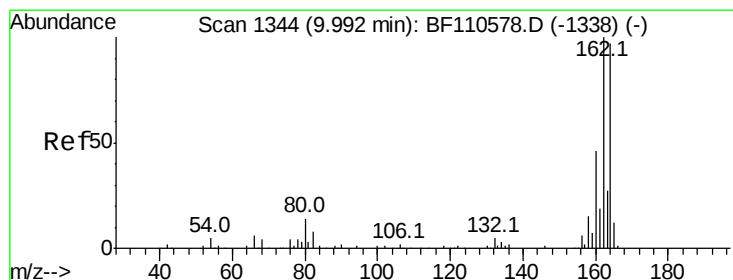
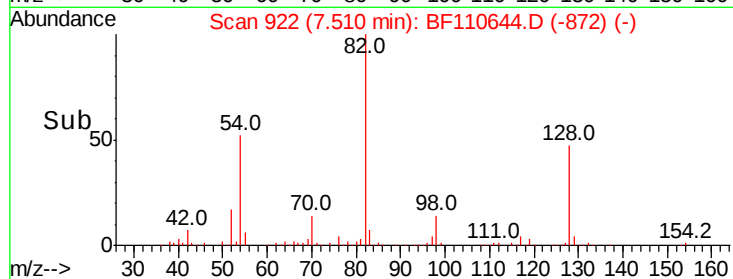
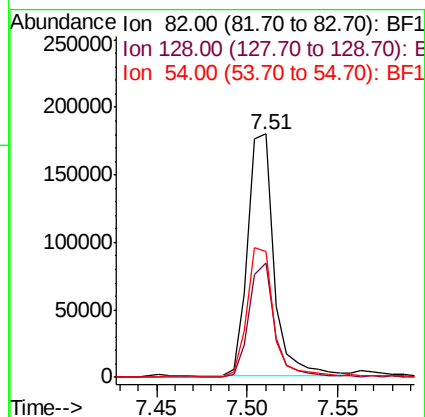
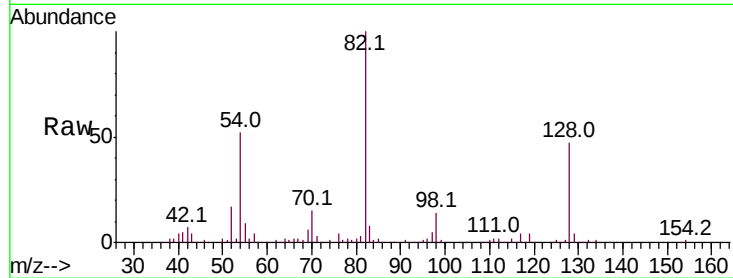
#23
 Nitrobenzene-d5
 Concen: 36.378 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :
 EP2-SB-106(2-4)

Tot Ion	82	Resp	182323
Ion Ratio	Lower	Upper	
82	100		
128	46.9	34.2	51.2
54	51.7	38.6	58.0

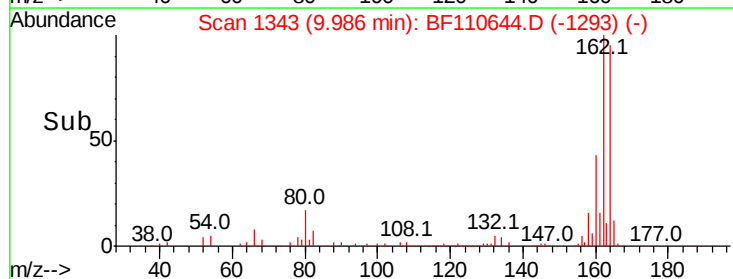
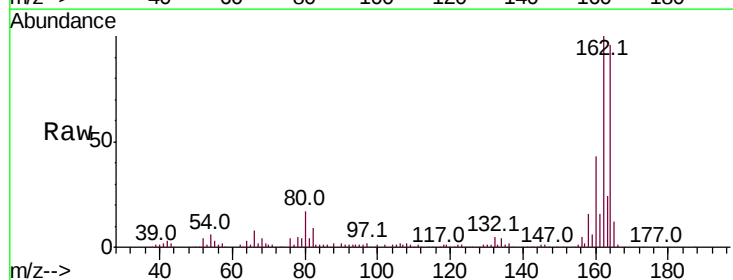
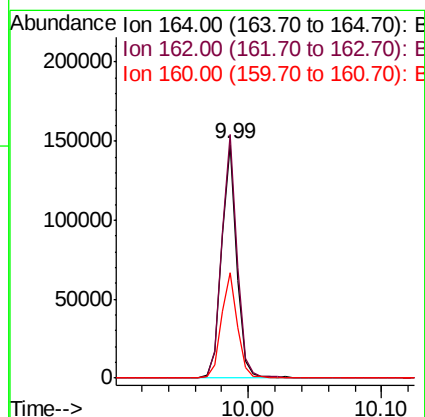
Manual Integrations
 APPROVED

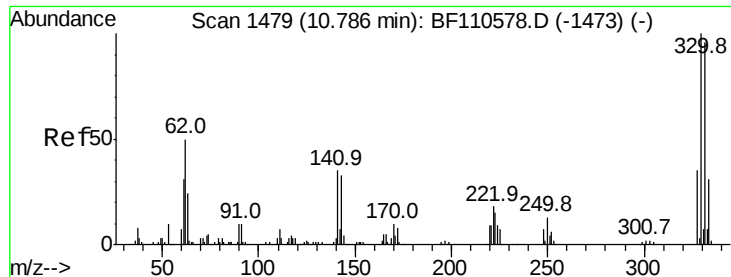
Sohil
 11/12/2018 10:30:22 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Tgt Ion	164	Resp	119011
Ion Ratio	Lower	Upper	
164	100		
162	104.1	83.0	124.6
160	45.1	37.0	55.6





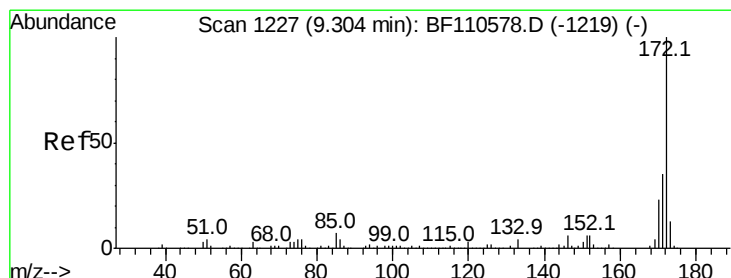
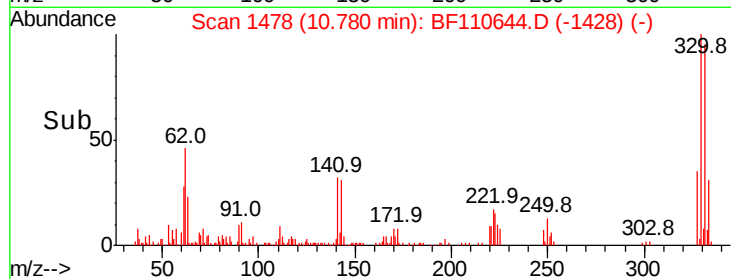
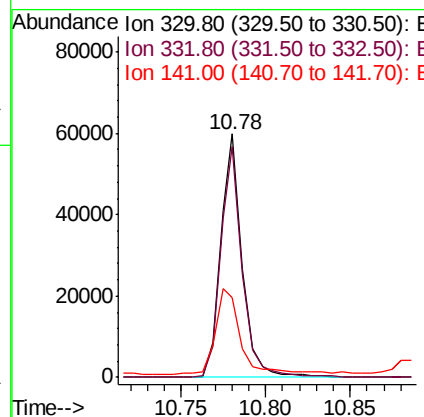
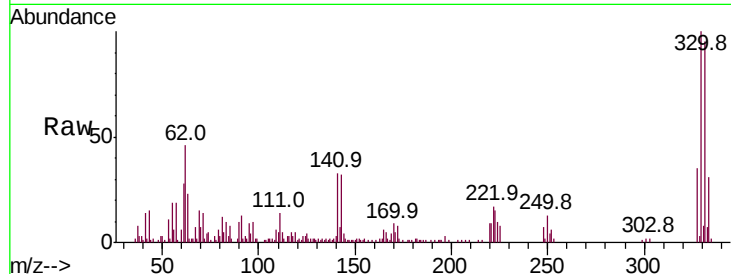
#42
 2,4,6-Tribromophenol
 Concen: 44.109 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :
 EP2-SB-106(2-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	41.2	27.0	40.4

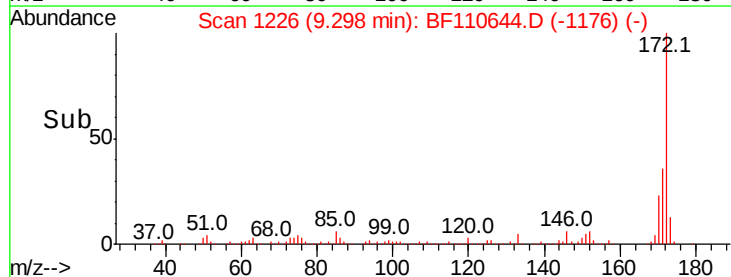
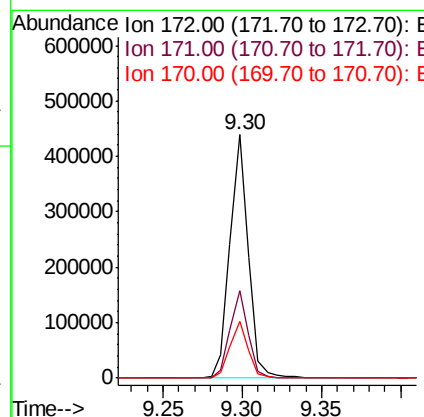
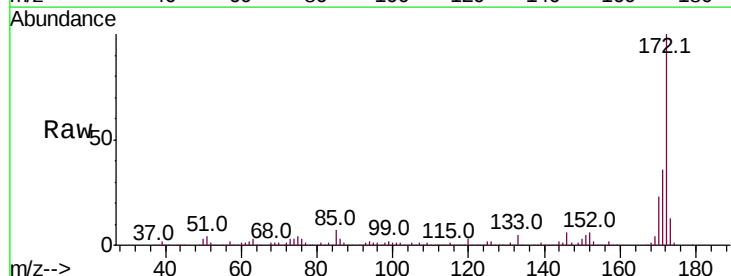
Manual Integrations
 APPROVED

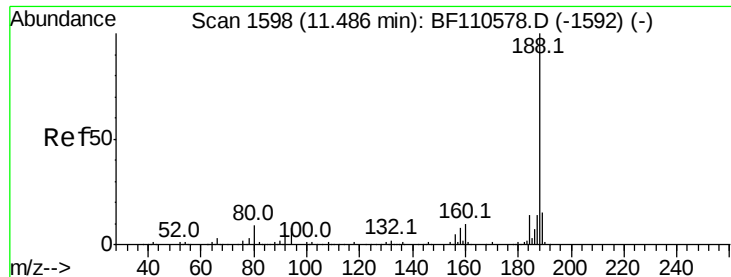
Sohil
 11/12/2018 10:30:22 AM



#45
 2-Fluorobiphenyl
 Concen: 42.407 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110644.D
 Acq: 9 Nov 2018 22:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.2	19.7	29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

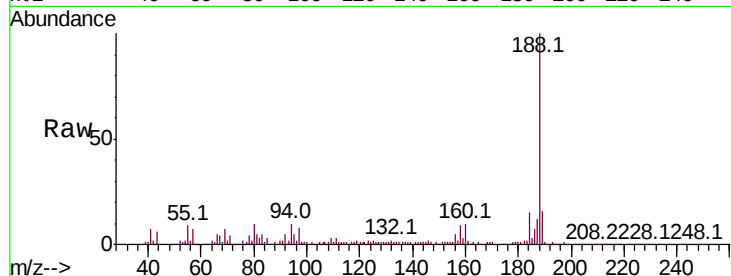
ClientSampleId :

EP2-SB-106(2-4)

Tot Ion:	188	Resp:	174845
Ion Ratio	Lower	Upper	
188	100		
94	9.8	7.2	10.8
80	10.1	7.9	11.9

Manual Integrations
APPROVED

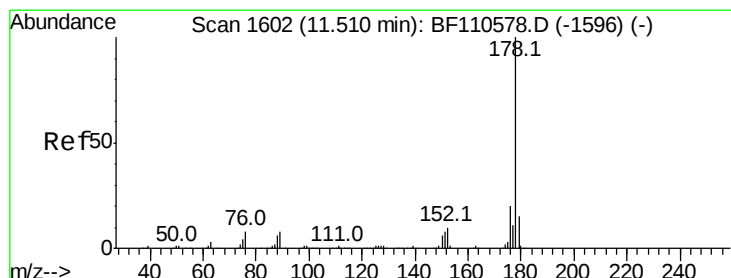
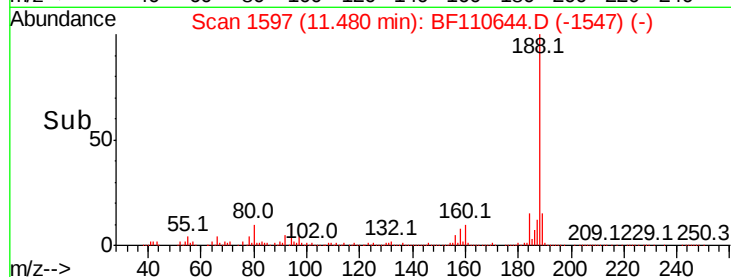
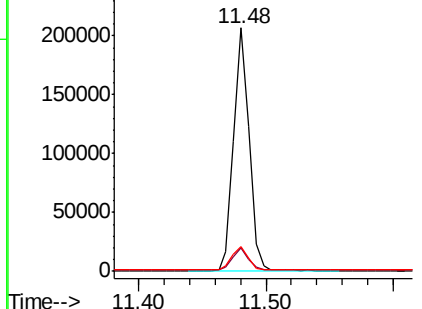
Sohil
11/12/2018 10:30:22 AM



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



#71

Phenanthrene

Concen: 3.029 ng

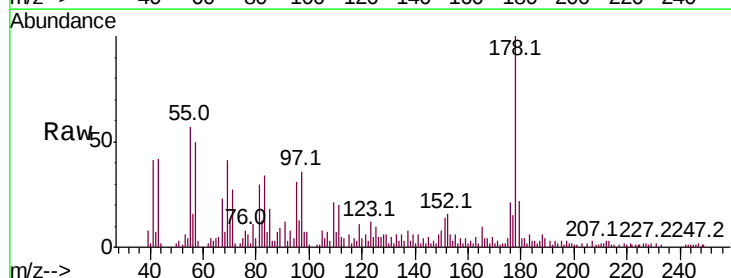
RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

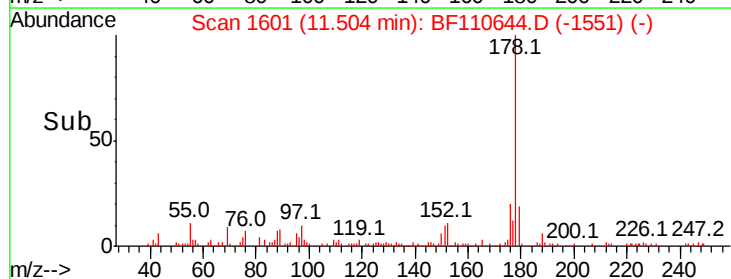
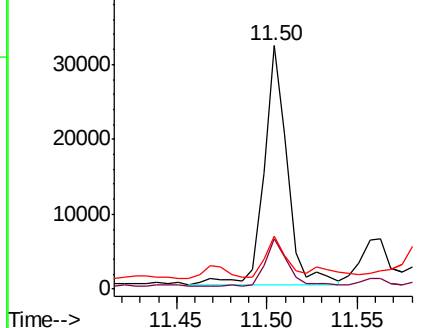
Tgt Ion:	178	Resp:	28374
Ion Ratio	Lower	Upper	
178	100		
176	20.9	15.5	23.3
179	21.9	12.5	18.7#

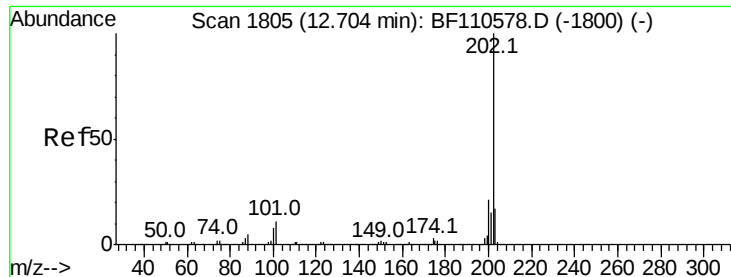


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.944 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

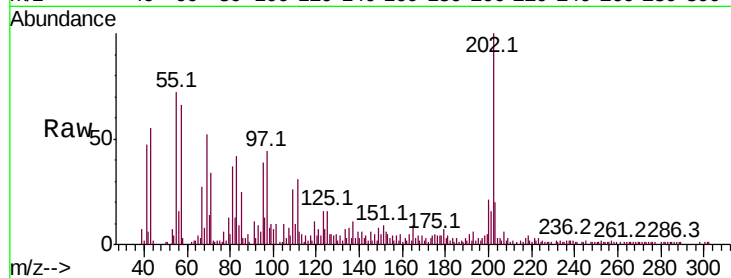
ClientSampleId :

EP2-SB-106(2-4)

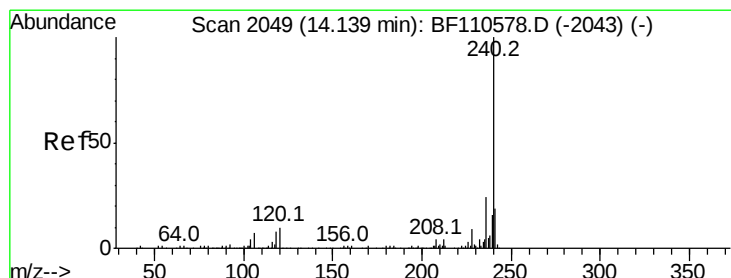
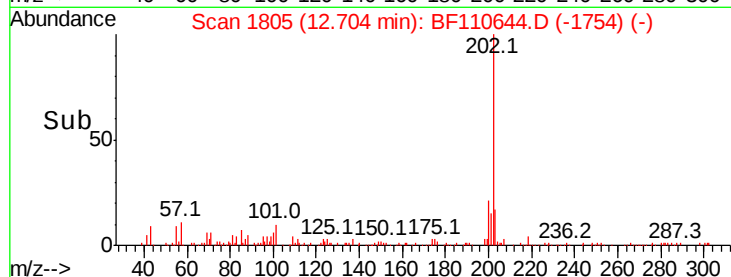
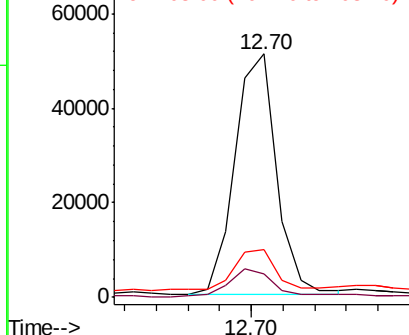
Tot Ion:	202	Resp:	46433
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	31.4
203	19.8	0.0	37.7

Manual Integrations
APPROVED

Sohil
11/12/2018 10:30:22 AM



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: 14.13 min Scan# 2048

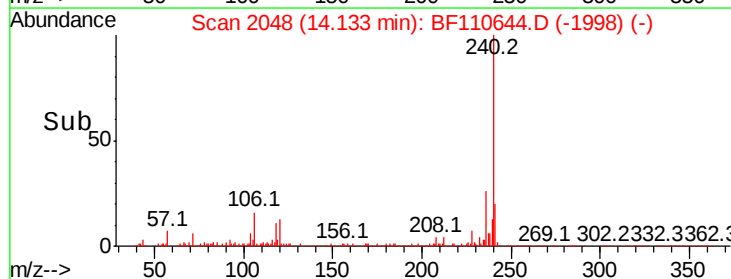
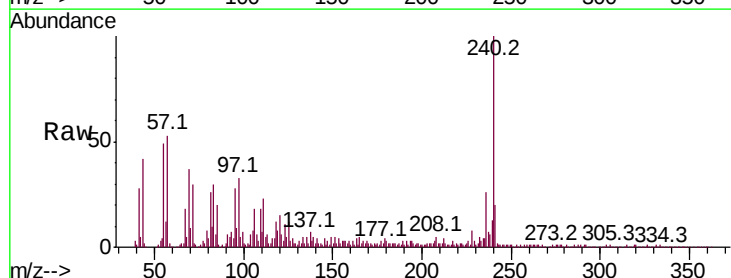
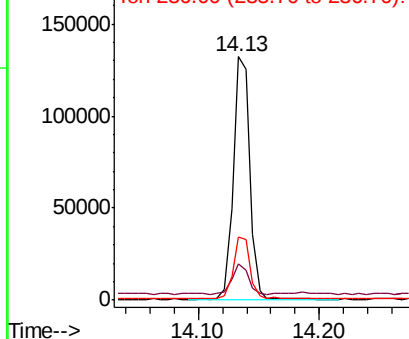
Delta R.T. -0.01 min

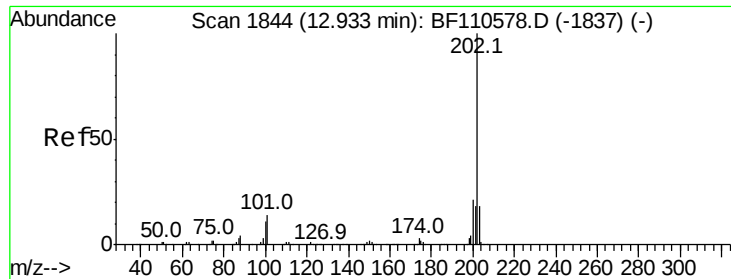
Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Tgt Ion:	240	Resp:	125242
Ion Ratio	Lower	Upper	
240	100		
120	15.0	8.3	12.5#
236	26.1	21.2	31.8

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





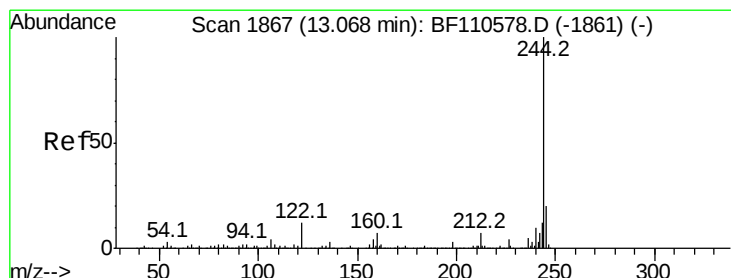
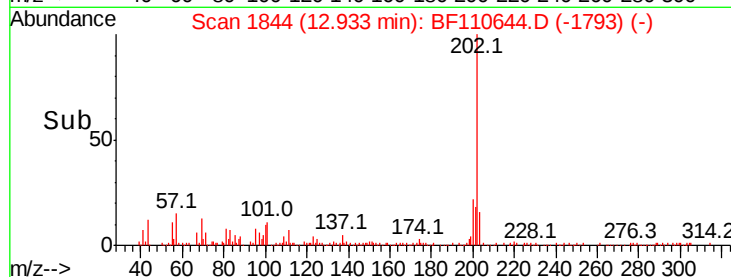
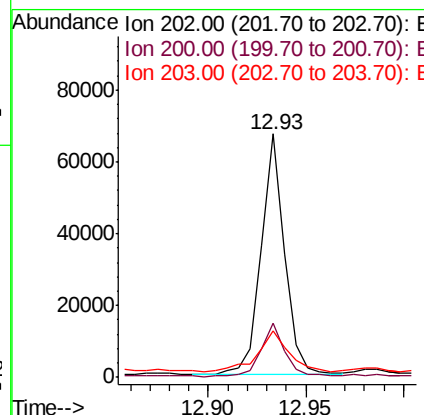
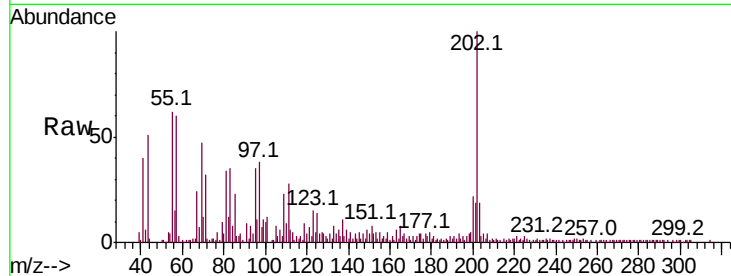
#78
Pvrene
Concen: 5.819 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Instrument :
BNA_F
ClientSampleId :
EP2-SB-106(2-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.2	17.8	26.6		
203	18.9	14.2	21.4		

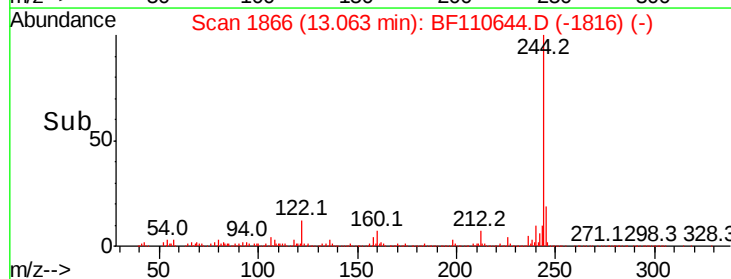
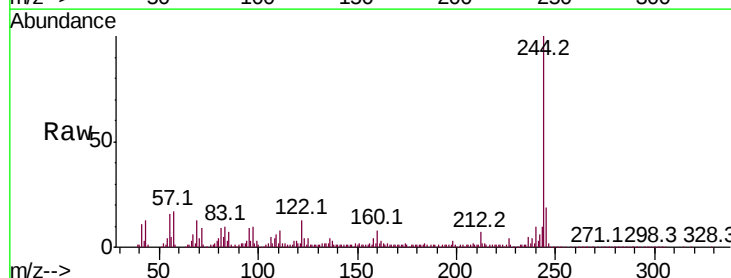
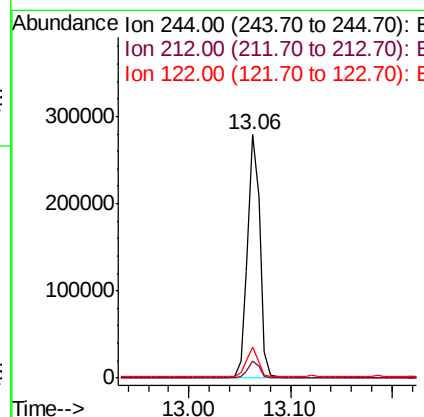
Manual Integrations
APPROVED

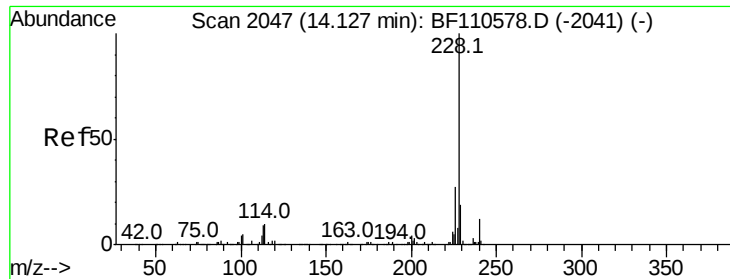
Sohil
11/12/2018 10:30:22 AM



#79
Terphenyl-d14
Concen: 35.514 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.0	5.8	8.8		
122	12.6	8.7	13.1		





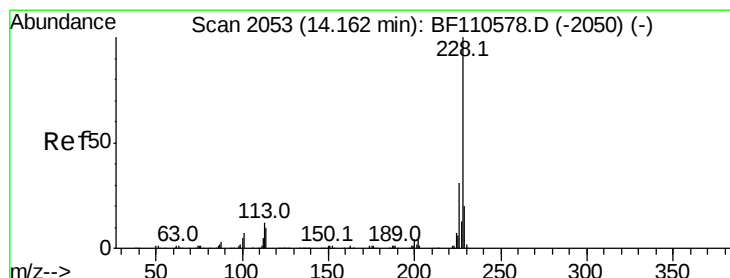
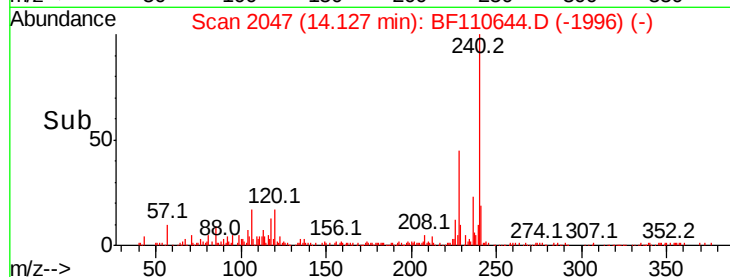
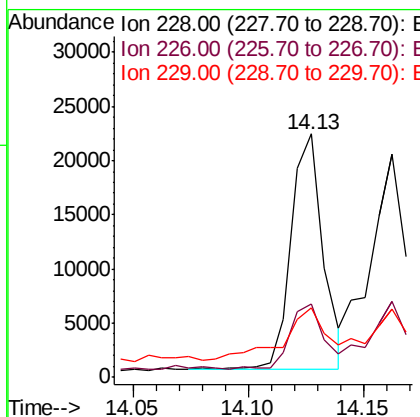
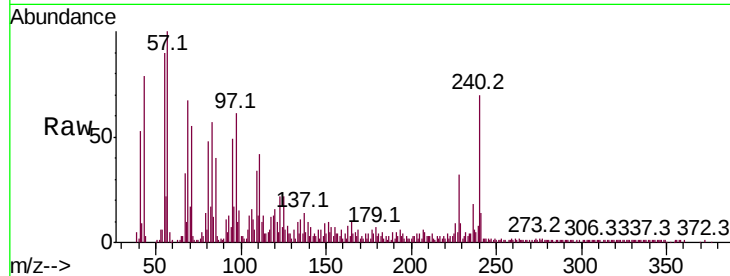
#81
Benzo(a)anthracene
Concen: 2.795 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Instrument :
BNA_F
ClientSampleId :
EP2-SB-106(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.1	33.1
229	28.5	15.6	23.4

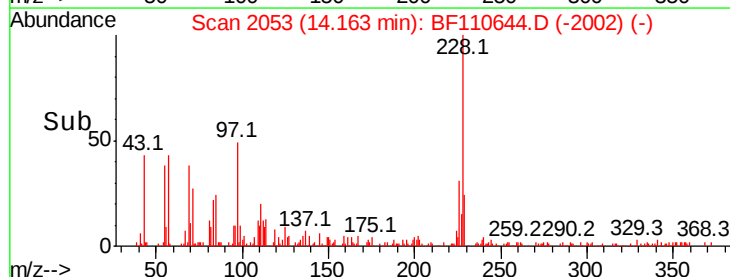
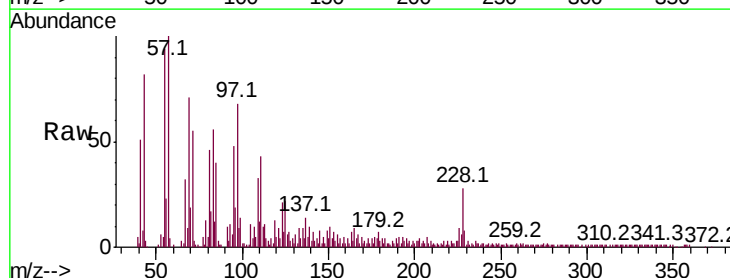
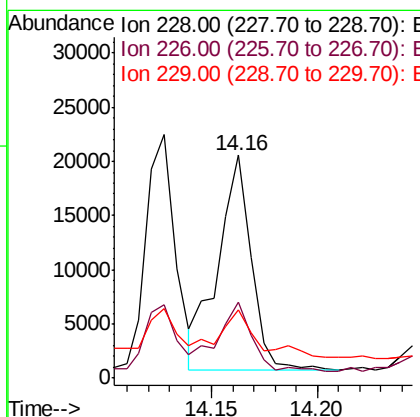
Manual Integrations
APPROVED

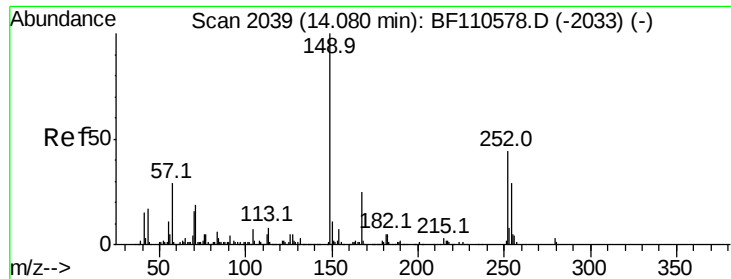
Sohil
11/12/2018 10:30:22 AM



#83
Chrysene
Concen: 3.029 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	24.7	37.1
229	30.4	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.449 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Instrument :

BNA_F

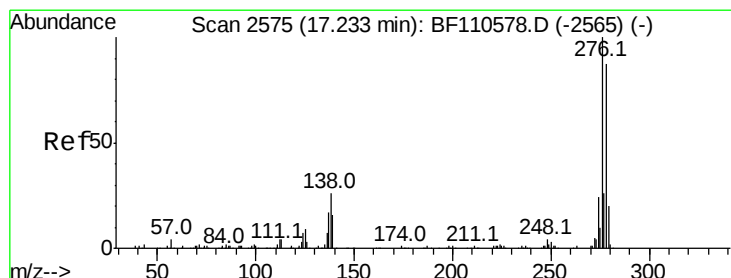
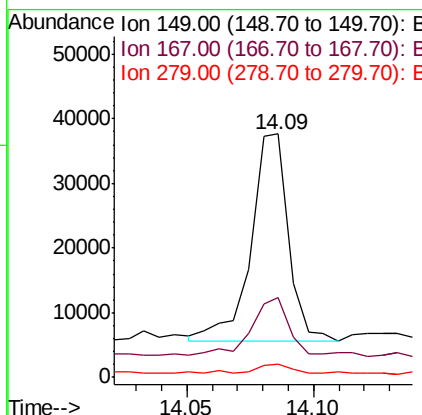
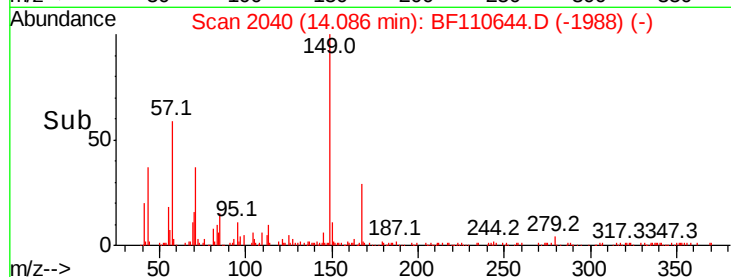
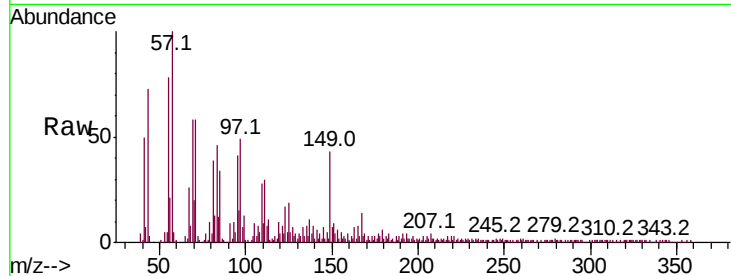
ClientSampleId :

EP2-SB-106(2-4)

Tot Ion:	149	Resp:	33206
Ion Ratio	Lower	Upper	
149	100		
167	32.7	19.8	29.8#
279	5.5	2.7	4.1#

Manual Integrations
APPROVED

Sohil
11/12/2018 10:30:22 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.317 ng

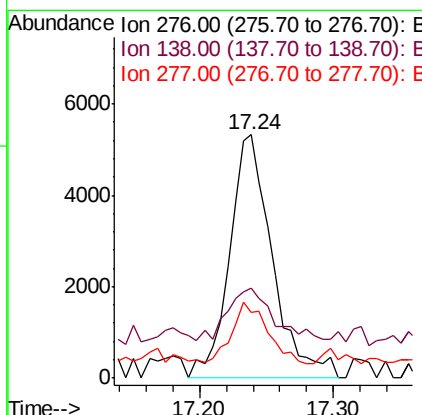
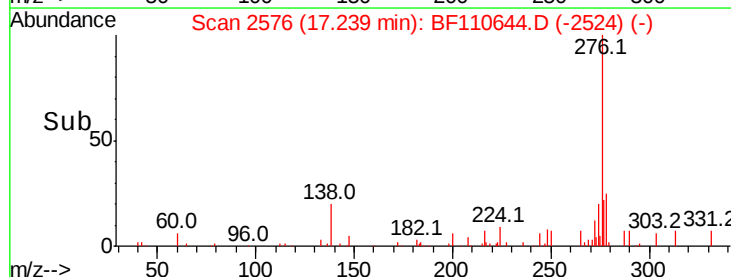
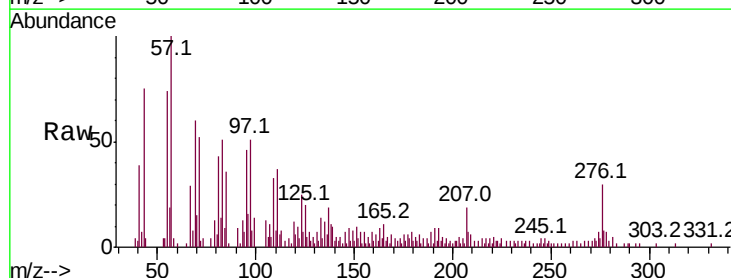
RT: 17.24 min Scan# 2576

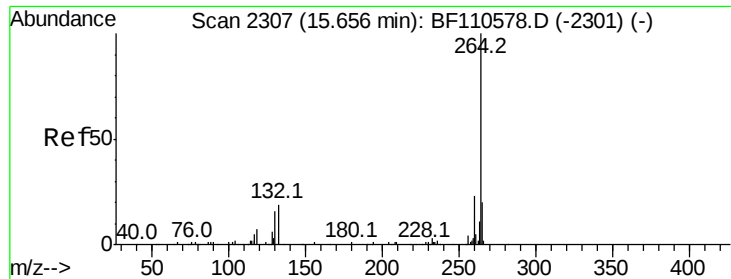
Delta R.T. 0.01 min

Lab File: BF110644.D

Acq: 9 Nov 2018 22:58

Tgt Ion:	276	Resp:	11860
Ion Ratio	Lower	Upper	
276	100		
138	24.4	18.5	27.7
277	21.1	20.0	30.0





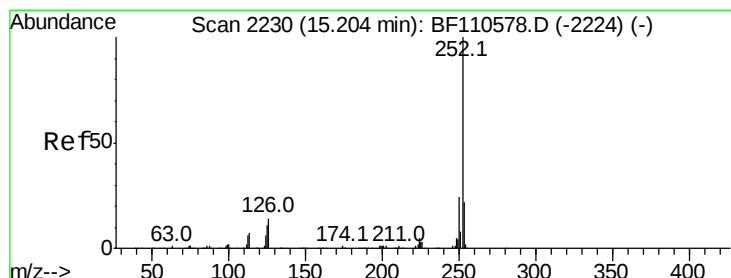
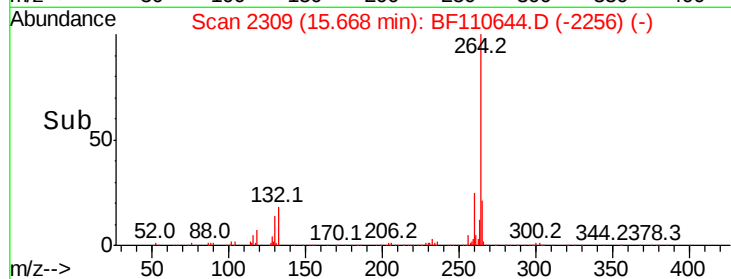
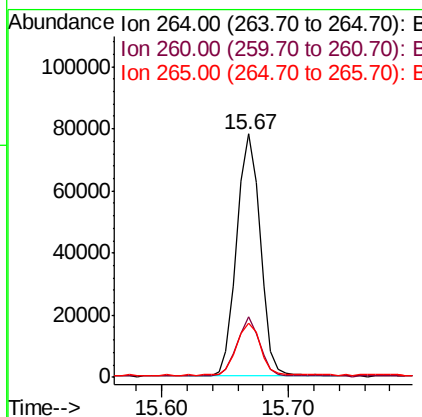
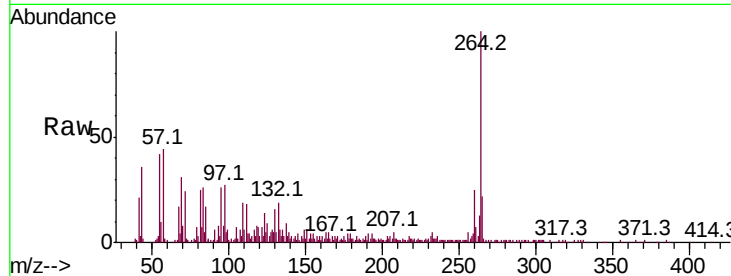
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Instrument :
BNA_F
ClientSampleId :
EP2-SB-106(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.1	18.7	28.1	
265	22.1	16.7	25.1	

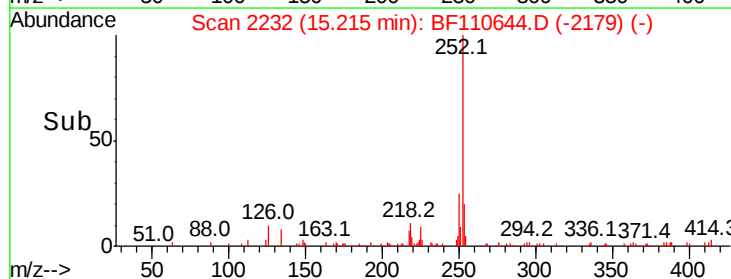
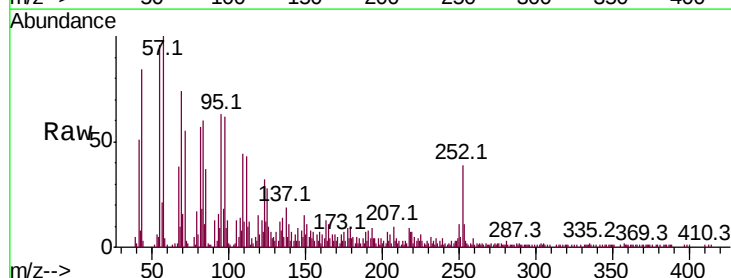
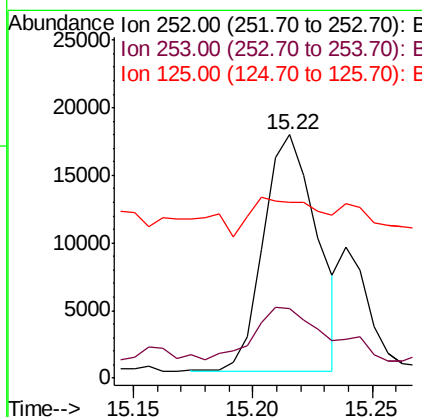
Manual Integrations
APPROVED

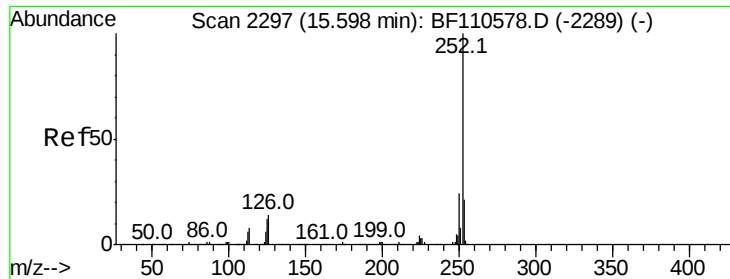
Sohil
11/12/2018 10:30:22 AM



#88
Benzo(b)fluoranthene
Concen: 4.519 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	28.4	17.2	25.8#	
125	72.2	8.2	12.4#	





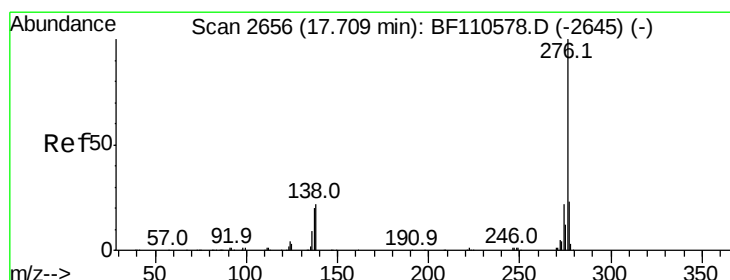
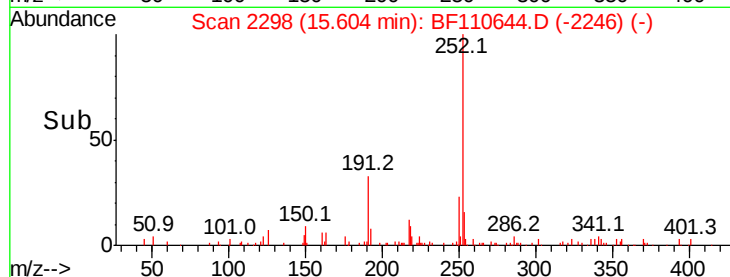
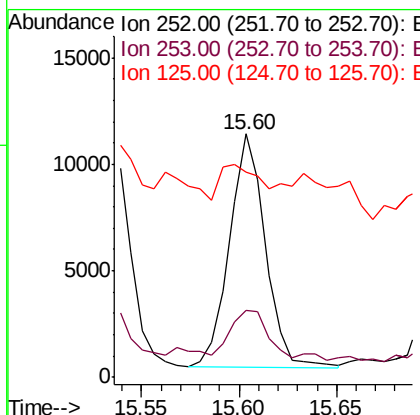
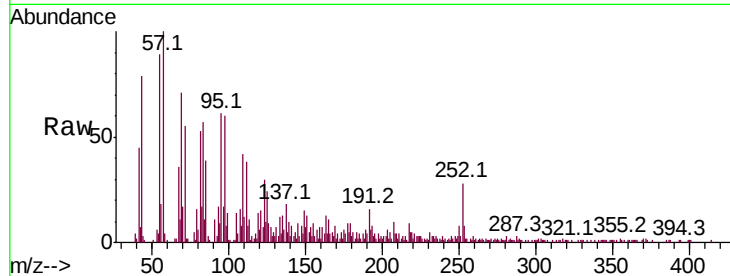
#90
Benzo(a)pyrene
Concen: 2.557 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Instrument :
BNA_F
ClientSampleId :
EP2-SB-106(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.2	27.4#
125	84.5	9.0	13.6#

Manual Integrations
APPROVED

Sohil
11/12/2018 10:30:22 AM



#92
Benzo(g,h,i)perylene
Concen: 2.342 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.01 min
Lab File: BF110644.D
Acq: 9 Nov 2018 22:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.1	18.8	28.2#
138	33.6	16.0	24.0#

