

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110320.D
 Acq On : 30 Oct 2018 23:00
 Operator : JU/SJ
 Sample : J5685-01RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25RE

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:09 AM

Quant Time: Oct 31 07:34:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	72094	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	258942	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	98966	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	170456	20.00	ng	0.00
76) Chrysene-d12	14.16	240	165216	20.00	ng	0.00
87) Perylene-d12	15.70	264	115826	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	421538	95.22	ng	0.00
7) Phenol-d6	6.59	99	499896	88.28	ng	0.00
23) Nitrobenzene-d5	7.53	82	307502	70.44	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	91020	92.85	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	524384	83.20	ng	0.00
79) Terphenyl-d14	13.09	244	469383	59.09	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.60	94	36265	5.991	ng	# 65
50) Dimethylphthalate	9.72	163	78538	10.751	ng	99
52) Acenaphthene	10.05	154	22599	3.603	ng	99
58) Fluorene	10.56	166	25163	3.850	ng	98
71) Phenanthrene	11.53	178	368606	41.328	ng	99
72) Anthracene	11.59	178	111414	12.463	ng	98
73) Carbazole	11.74	167	33040	3.785	ng	96
75) Fluoranthene	12.73	202	579812	64.055	ng	98
78) Pyrene	12.96	202	551934	46.598	ng	99
81) Benzo(a)anthracene	14.15	228	291921	29.795	ng	97
83) Chrysene	14.19	228	250019	26.867	ng	97
86) Indeno(1,2,3-cd)pyrene	17.29	276	92052	11.924	ng	96
88) Benzo(b)fluoranthene	15.24	252	254512m	38.052	ng	
89) Benzo(k)fluoranthene	15.27	252	79233m	12.050	ng	
90) Benzo(a)pyrene	15.63	252	174631	28.374	ng	# 97
91) Dibenzo(a,h)anthracene	17.29	278	24291	4.574	ng	# 76
92) Benzo(a,h,i)perylene	17.77	276	93347	17.838	ng	97

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

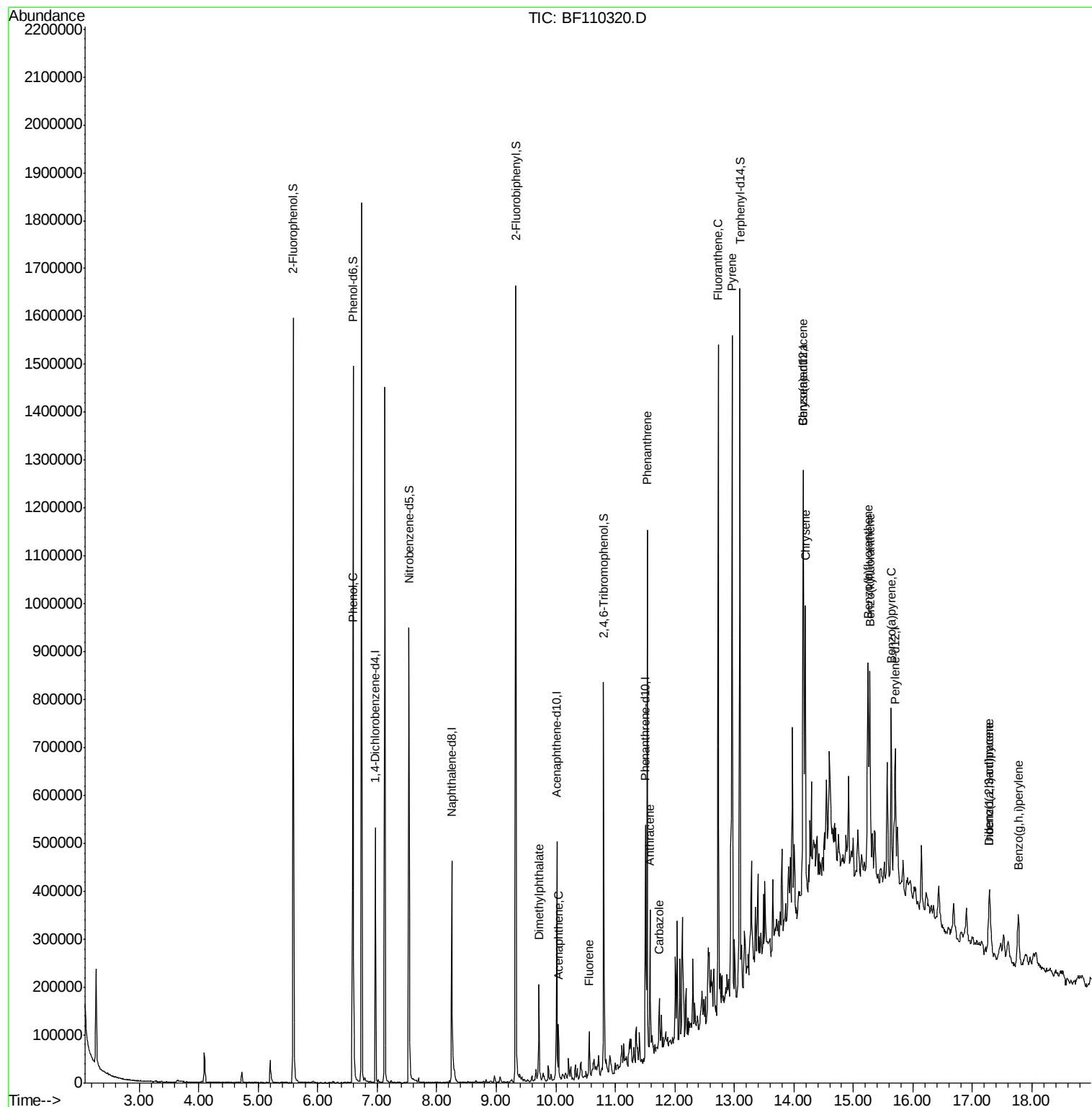
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110320.D
Acq On : 30 Oct 2018 23:00
Operator : JU/SJ
Sample : J5685-01RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM

Quant Time: Oct 31 07:34:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration





#1

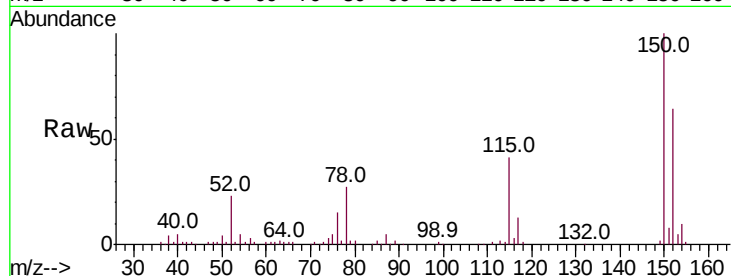
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.7	184.1
115	63.8	49.1	73.7

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM

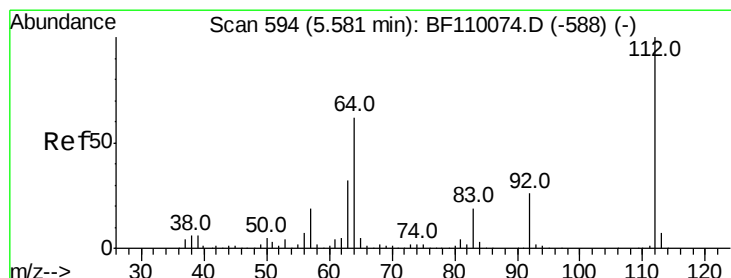
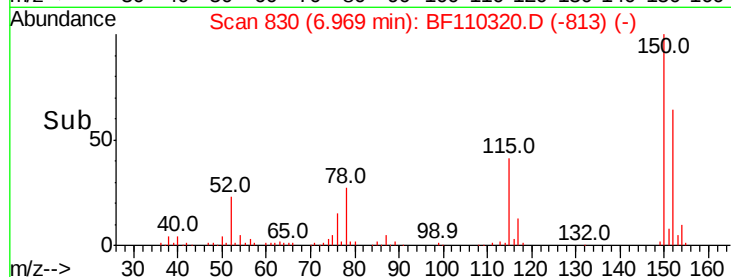
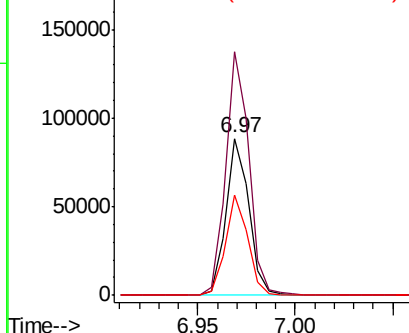


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

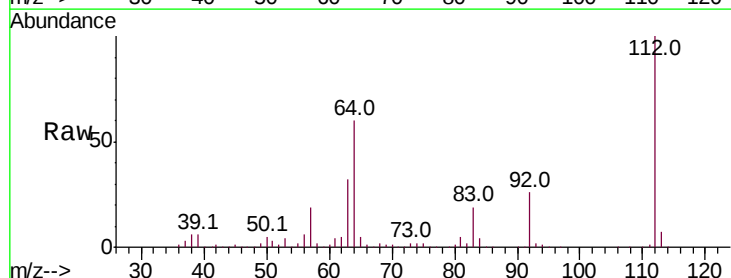
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.217 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	44.1	66.1
63	32.2	23.7	35.5

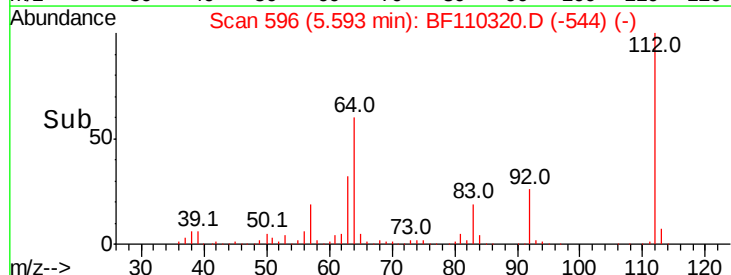
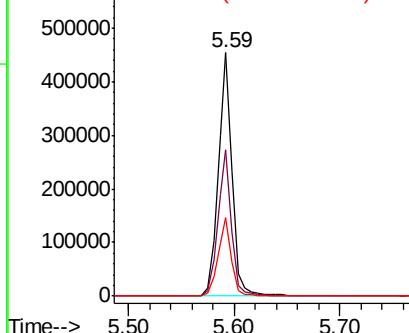


Abundance

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: 88.279 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110320.D

Acq: 30 Oct 2018 23:00

Instrument :

BNA_F

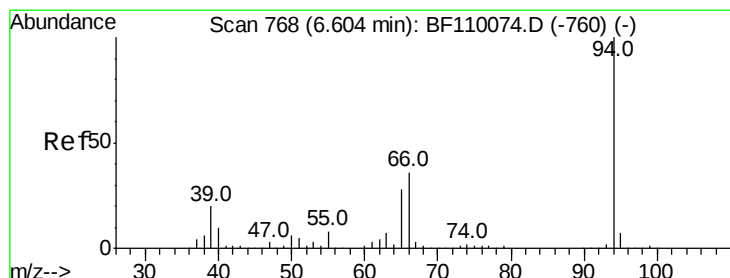
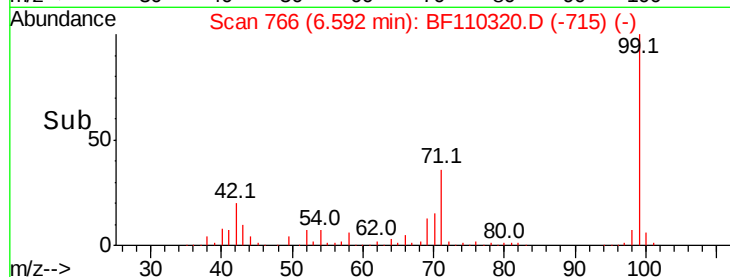
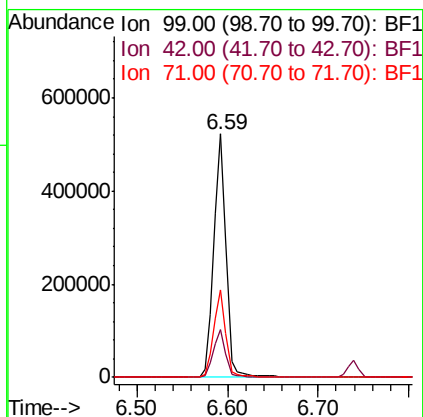
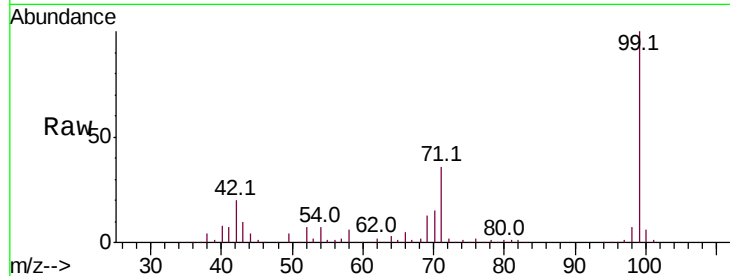
ClientSampleId :

DOCUMENTATION-25RE

Tot Ion	Ratio	Resp	Lower	Upper
99	100	499896		
42	19.7	15.8	23.6	
71	35.7	28.0	42.0	

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM



#10

Phenol

Concen: 5.991 ng

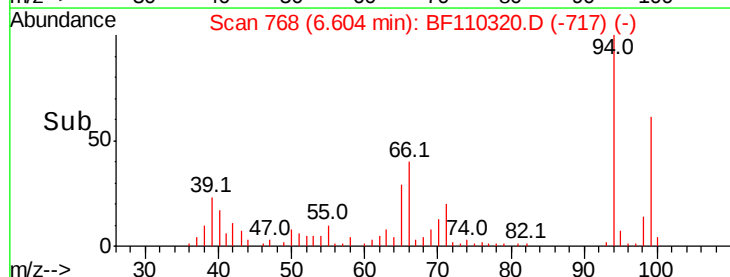
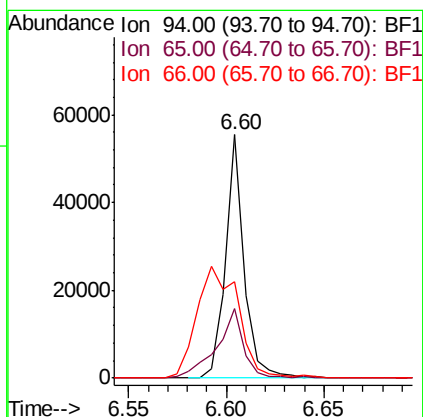
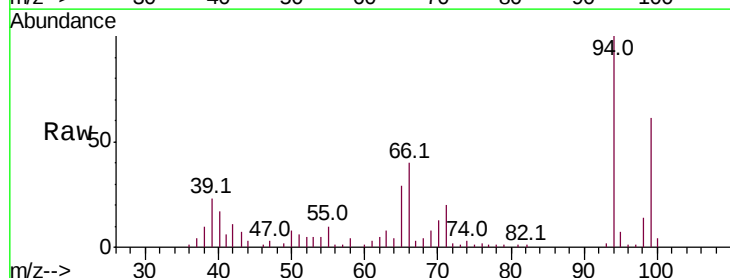
RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF110320.D

Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	36265		
65	28.7	25.3	65.3	
66	39.6	54.5	94.5#	





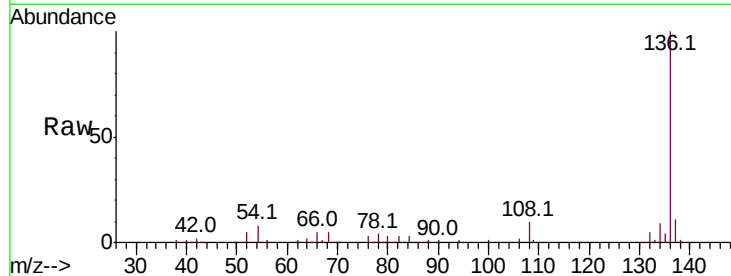
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

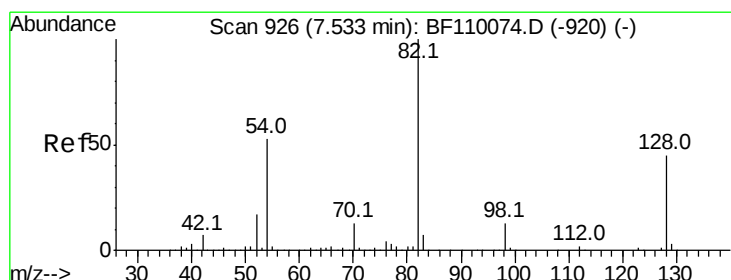
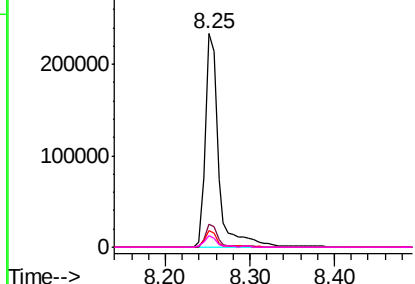
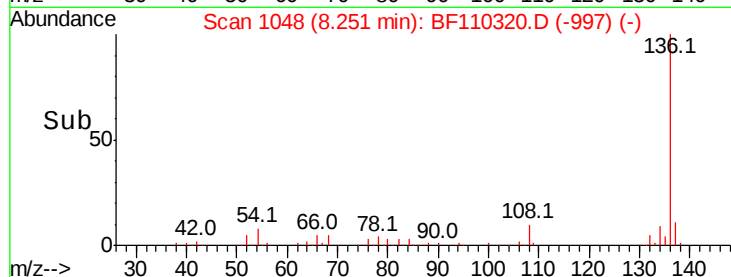
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.8	13.2	
54	8.0	5.4	8.2	
68	5.2	4.2	6.2	

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM

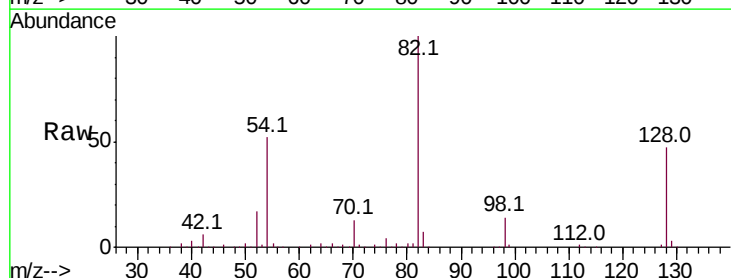


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

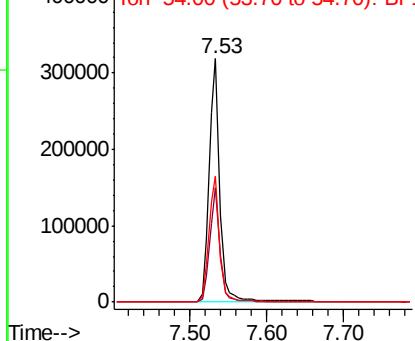
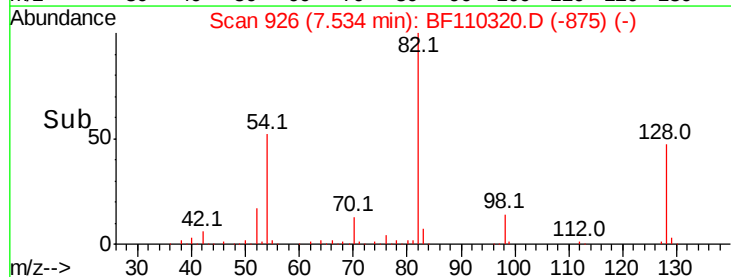


#23
Nitrobenzene-d5
Concen: 70.436 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	34.2	51.2	
54	51.7	38.6	58.0	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





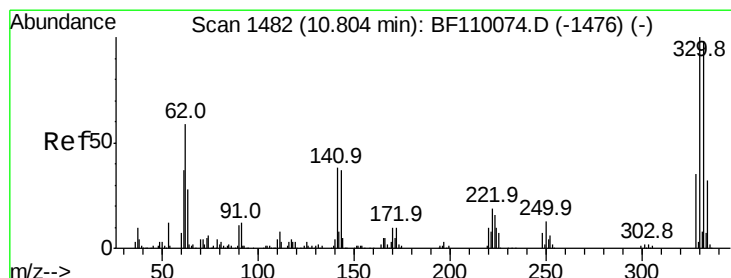
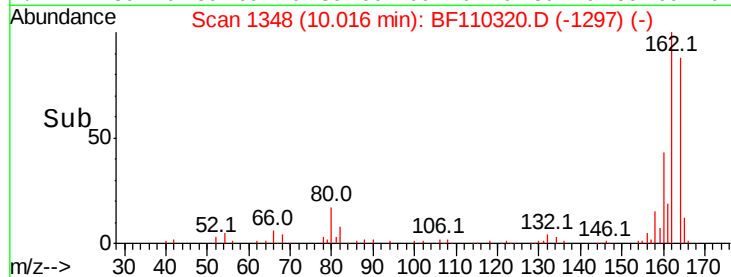
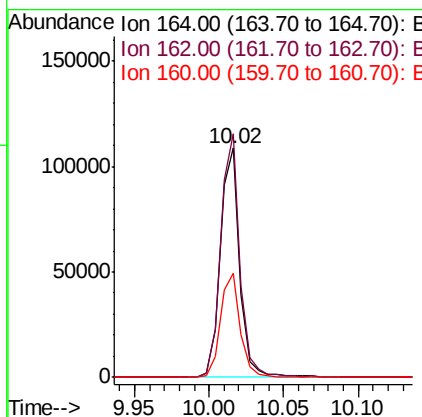
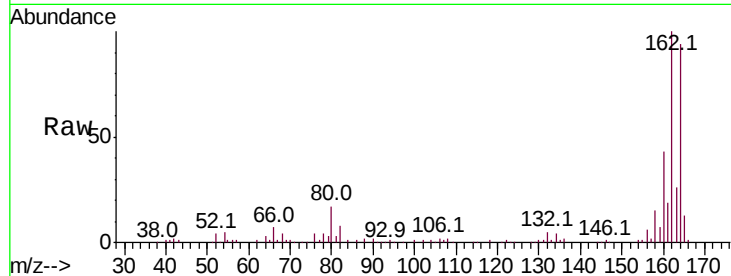
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.0	124.6
160	45.7	37.0	55.6

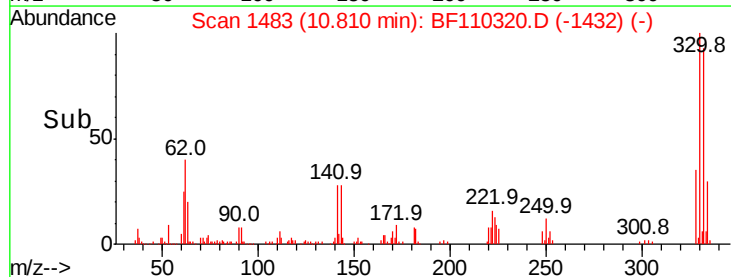
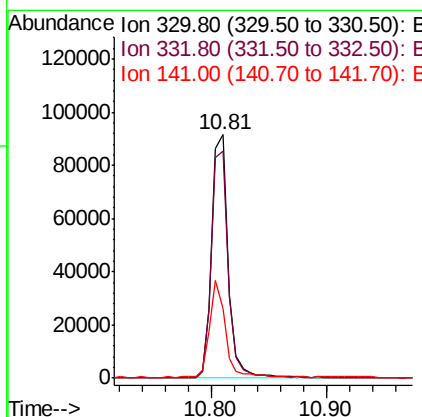
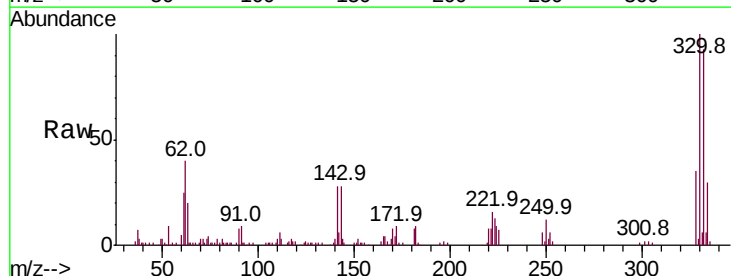
Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM



#42
2,4,6-Tribromophenol
Concen: 92.847 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.1	115.7
141	39.9	27.0	40.4





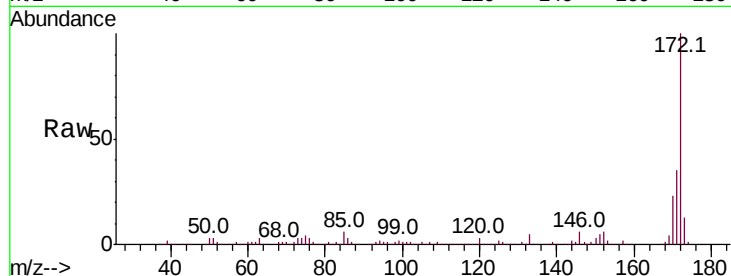
#45
 2-Fluorobiphenyl
 Concen: 83.202 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25RE

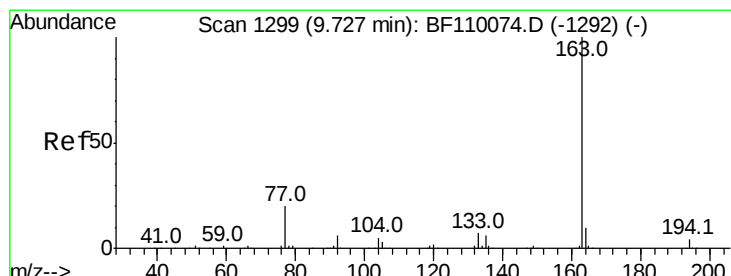
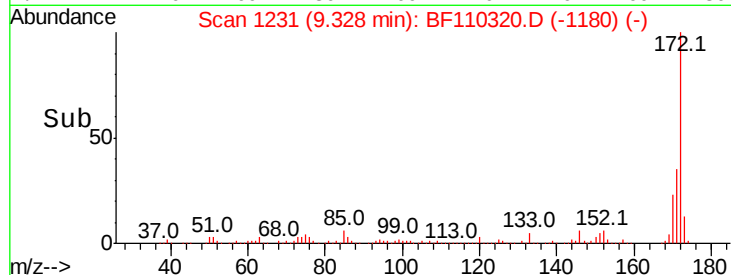
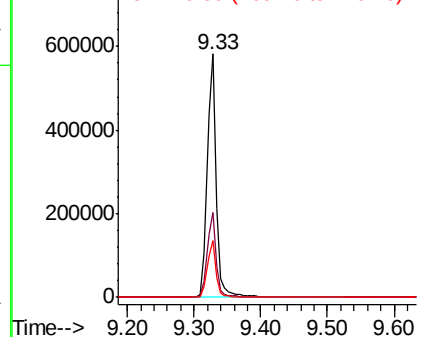
Tot Ion	Ratio	Resp	Lower	Upper
172	100	524384		
171	34.9		28.6	43.0
170	23.4		19.7	29.5

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:09 AM

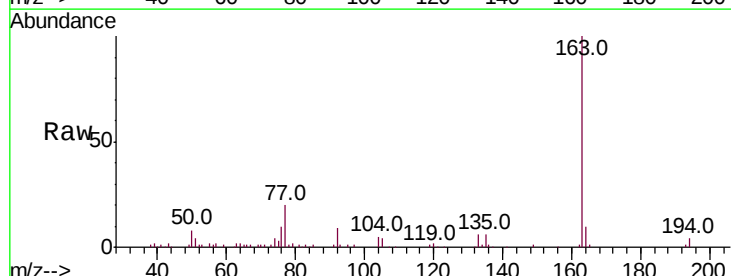


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

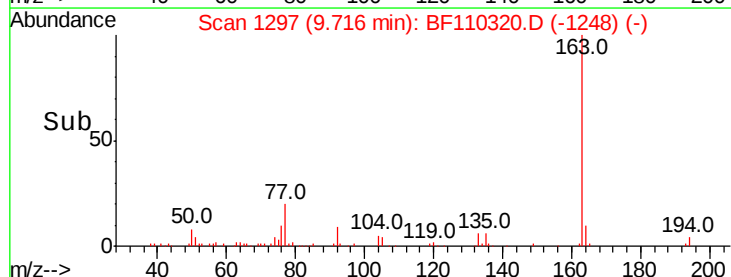
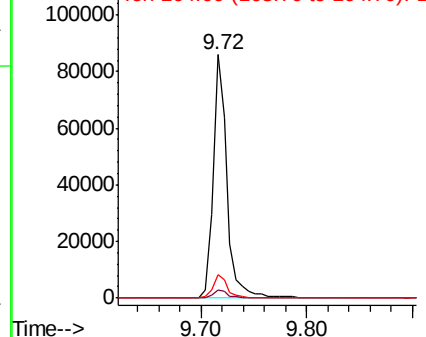


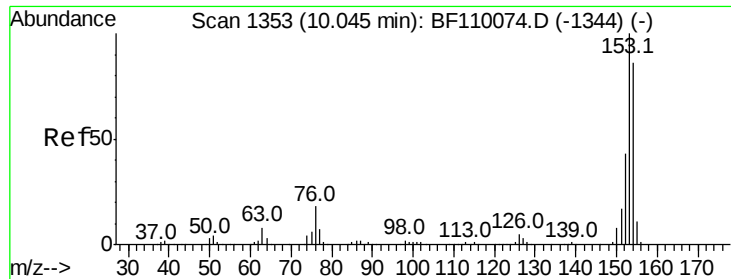
#50
 Dimethylphthalate
 Concen: 10.751 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	78538		
194	3.6		3.2	4.8
164	9.7		8.1	12.1



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





#52

Acenaphthene

Concen: 3.603 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF110320.D

Acq: 30 Oct 2018 23:00

Instrument :

BNA_F

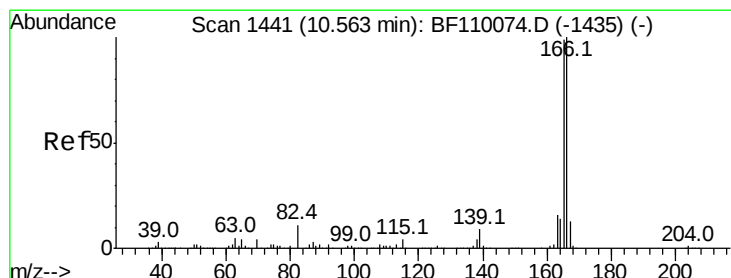
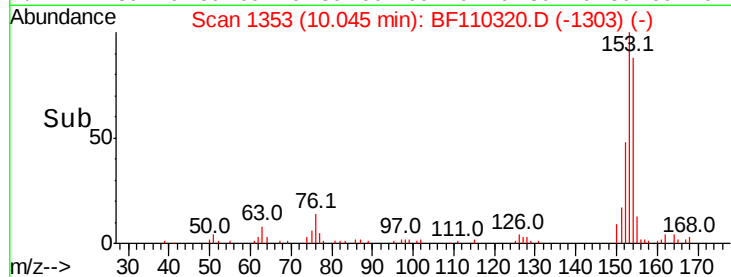
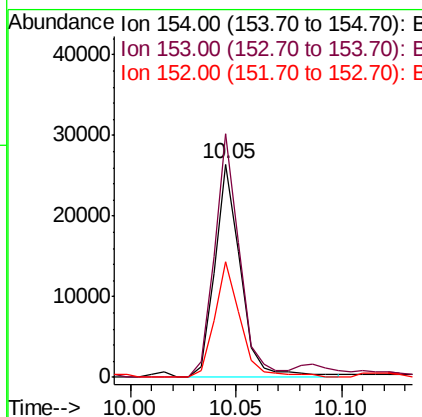
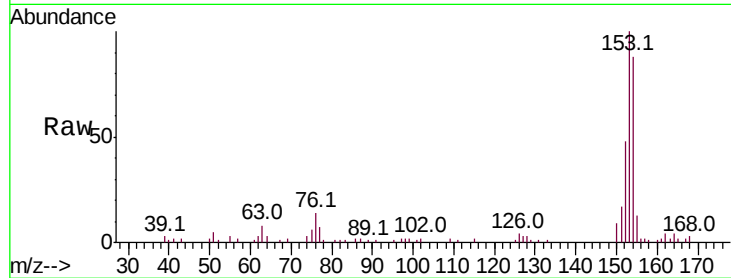
ClientSampleId :

DOCUMENTATION-25RE

Tot Ion:	154	Resp:	22599
Ion Ratio	Lower	Upper	
154	100		
153	114.3	90.1	135.1
152	54.3	43.4	65.2

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM



#58

Fluorene

Concen: 3.850 ng

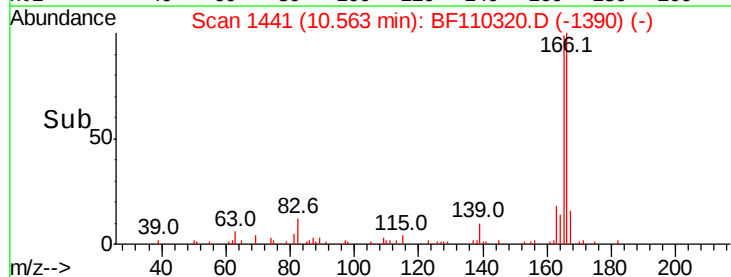
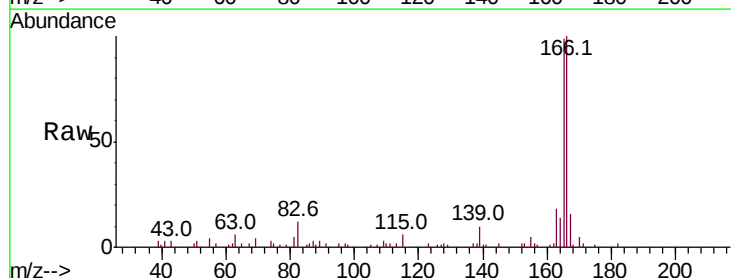
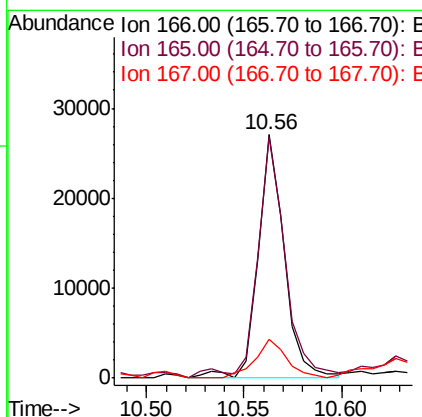
RT: 10.56 min Scan# 1441

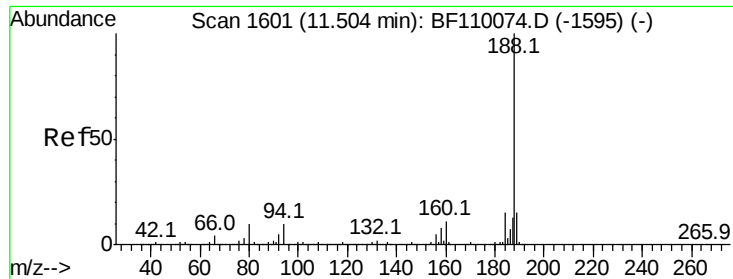
Delta R.T. 0.00 min

Lab File: BF110320.D

Acq: 30 Oct 2018 23:00

Tgt Ion:	166	Resp:	25163
Ion Ratio	Lower	Upper	
166	100		
165	99.1	78.6	117.8
167	15.9	10.8	16.2





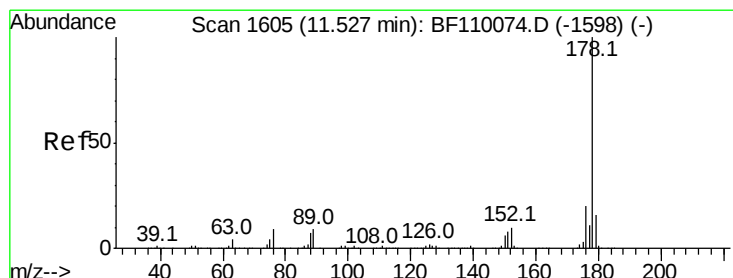
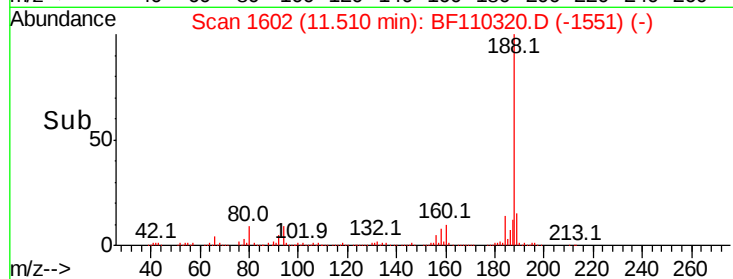
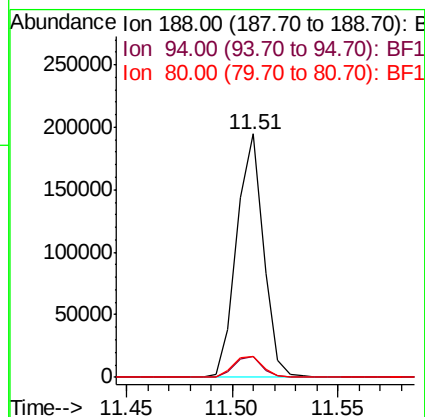
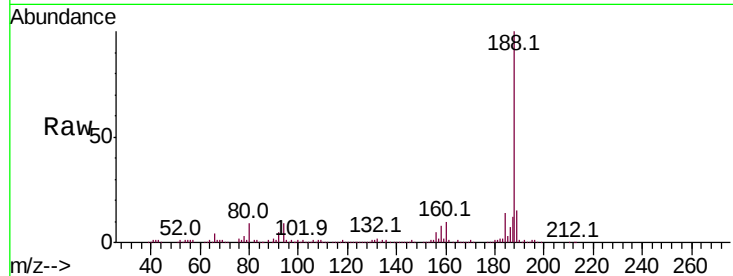
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	170456		
94	8.5		7.2	10.8
80	8.7		7.9	11.9

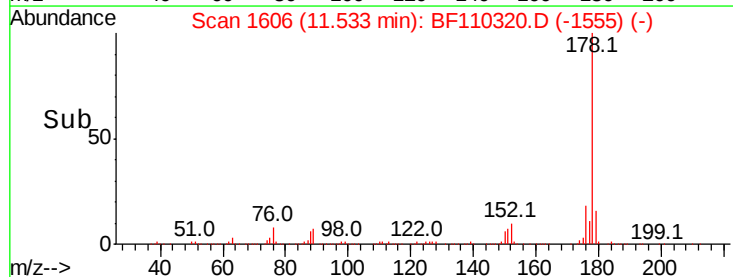
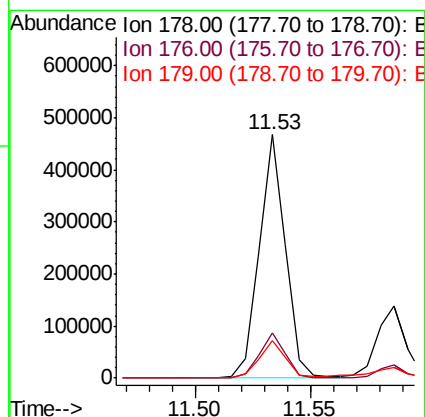
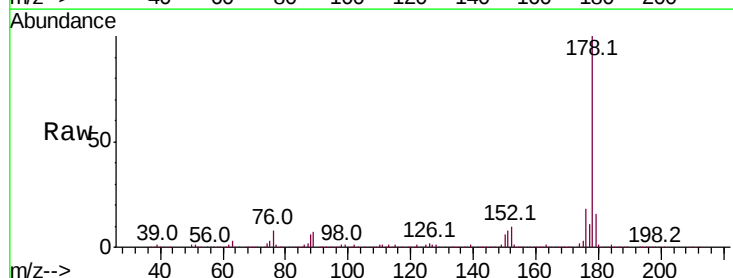
Manual Integrations
APPROVED

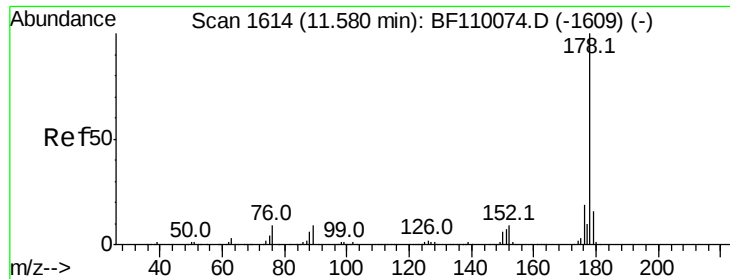
Sohil
10/31/2018 11:15:09 AM



#71
Phenanthrene
Concen: 41.328 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	368606		
176	18.4		15.5	23.3
179	15.7		12.5	18.7





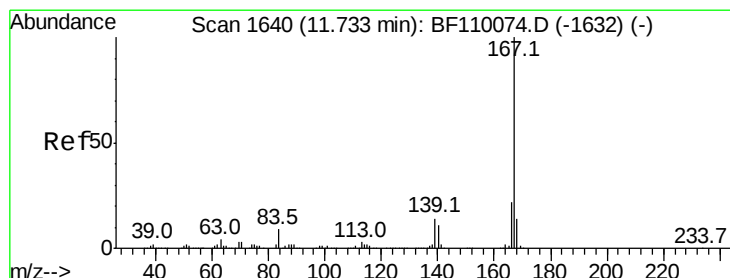
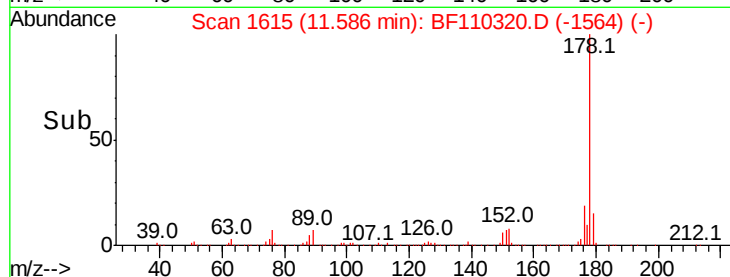
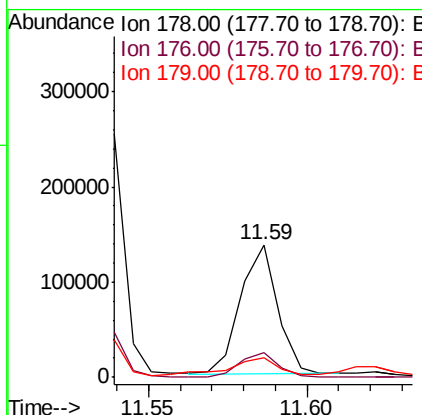
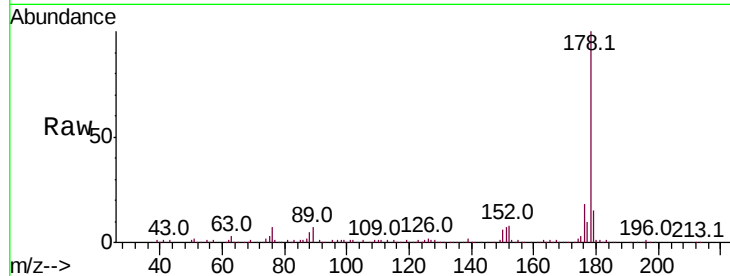
#72
 Anthracene
 Concen: 12.463 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.1	12.6	18.8

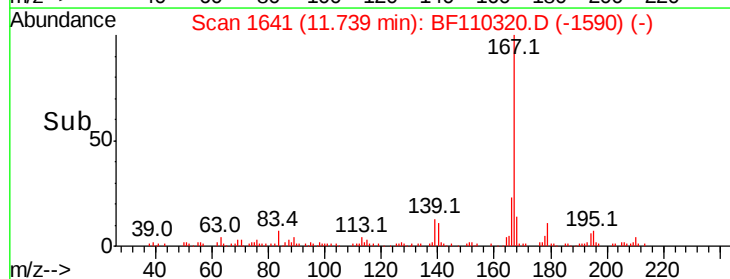
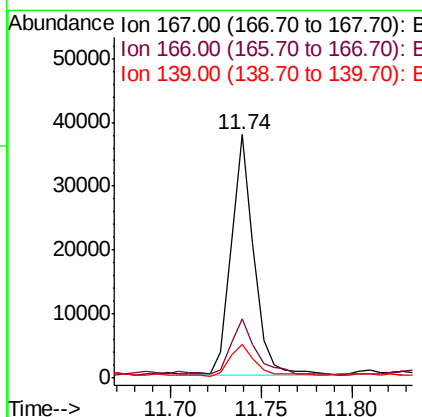
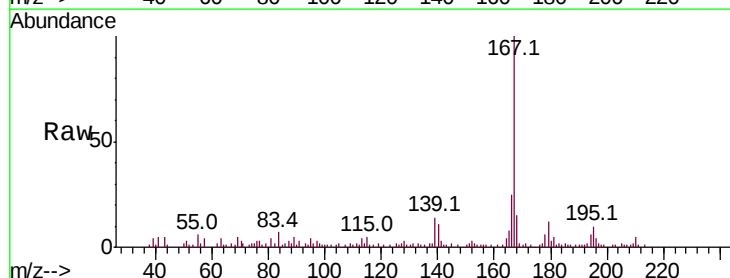
Manual Integrations
 APPROVED

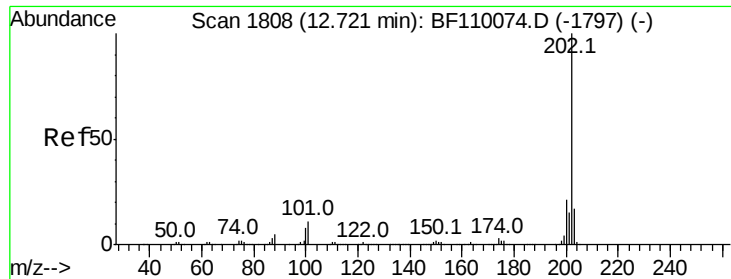
Sohil
 10/31/2018 11:15:09 AM



#73
 Carbazole
 Concen: 3.785 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.4	26.0
139	13.9	10.9	16.3





#75

Fluoranthene

Concen: 64.055 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110320.D

Acq: 30 Oct 2018 23:00

Instrument :

BNA_F

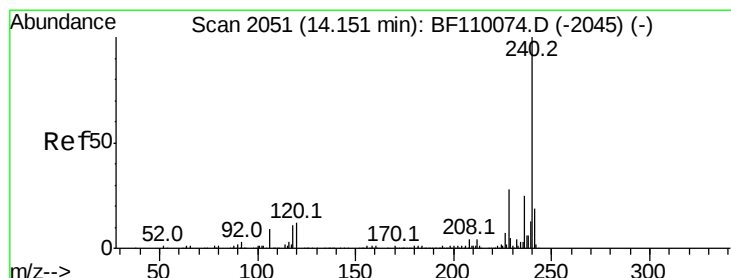
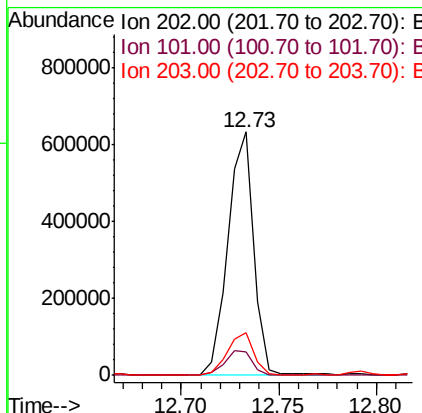
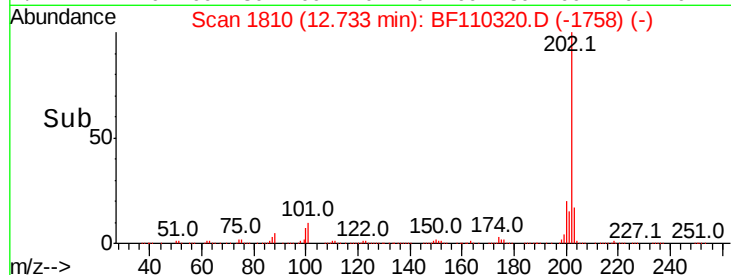
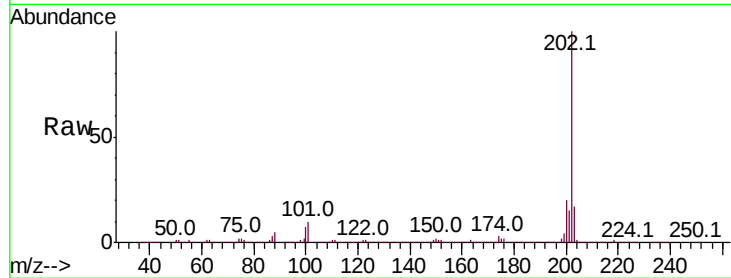
ClientSampleId :

DOCUMENTATION-25RE

Tot Ion:	202	Resp:	579812
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	31.4
203	17.4	0.0	37.7

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:09 AM



#76

Chrysene-d12

Concen: 20.000 ng

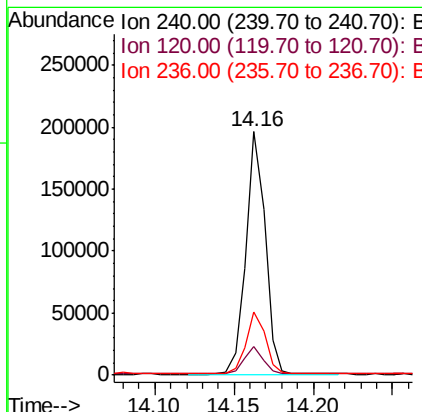
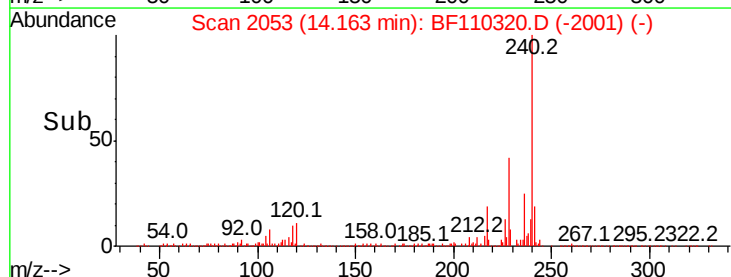
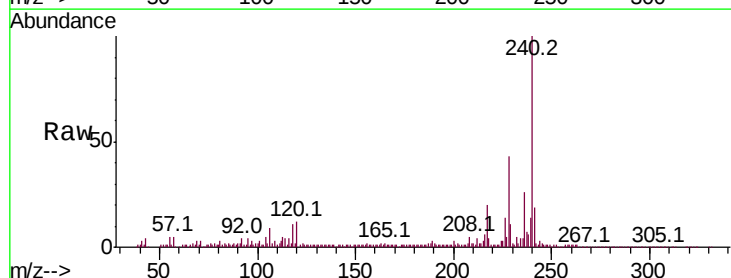
RT: 14.16 min Scan# 2053

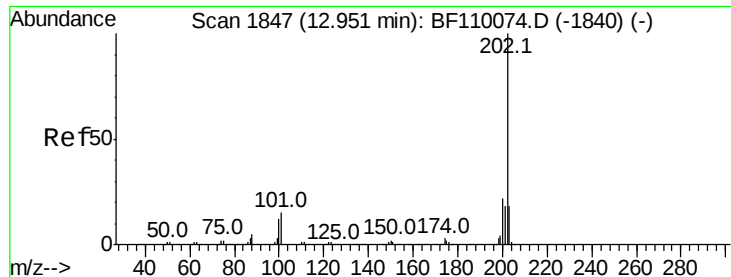
Delta R.T. 0.01 min

Lab File: BF110320.D

Acq: 30 Oct 2018 23:00

Tgt Ion:	240	Resp:	165216
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.3	12.5
236	25.7	21.2	31.8





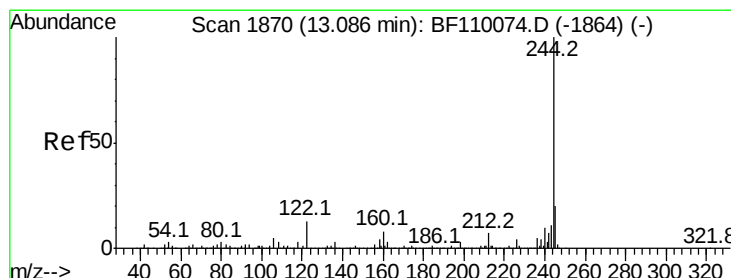
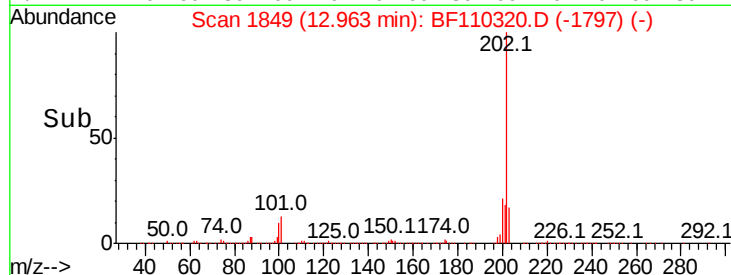
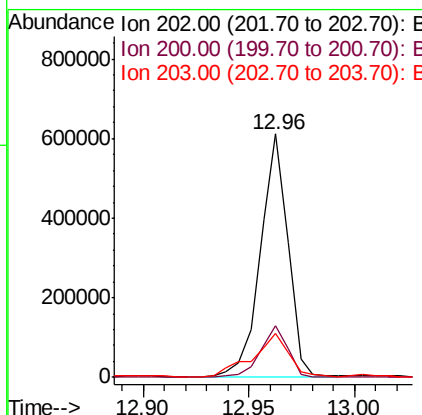
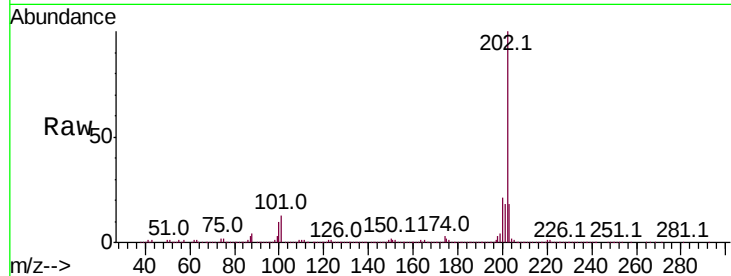
#78
Pvrene
Concen: 46.598 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	17.9	14.2	21.4

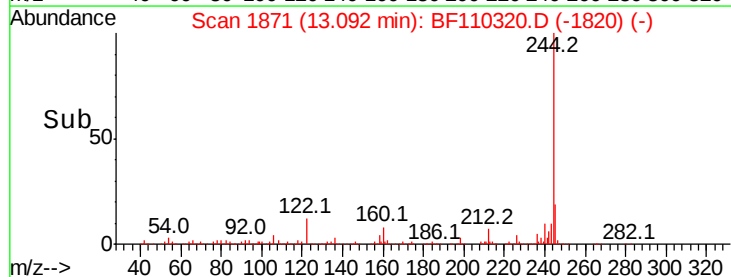
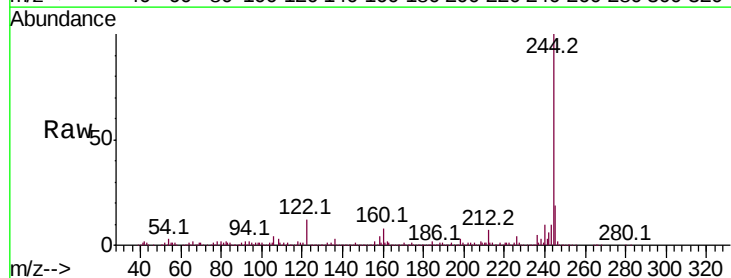
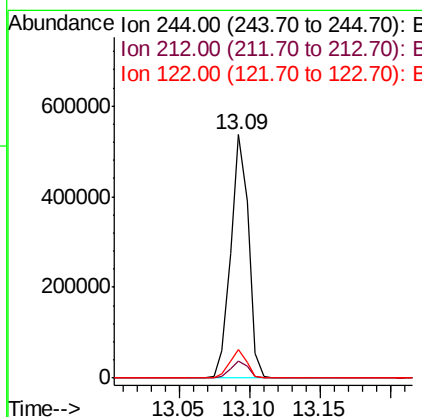
Manual Integrations
APPROVED

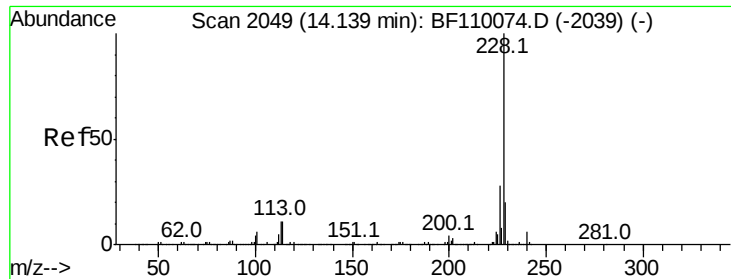
Sohil
10/31/2018 11:15:09 AM



#79
Terphenyl-d14
Concen: 59.085 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.8	8.7	13.1





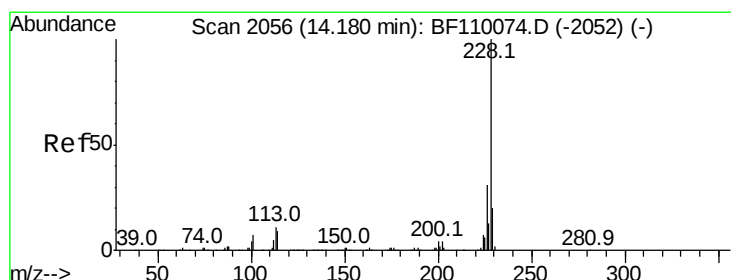
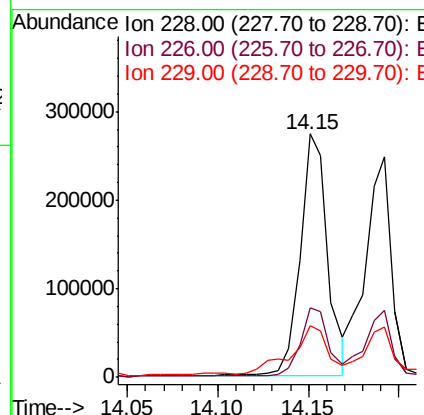
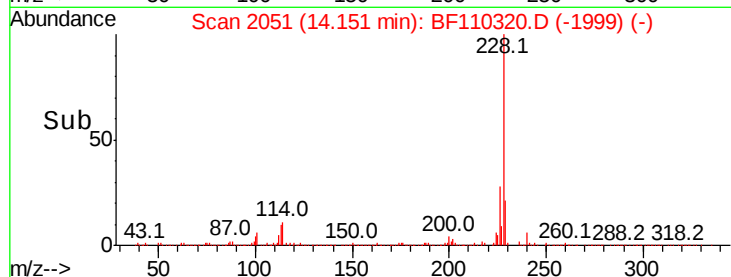
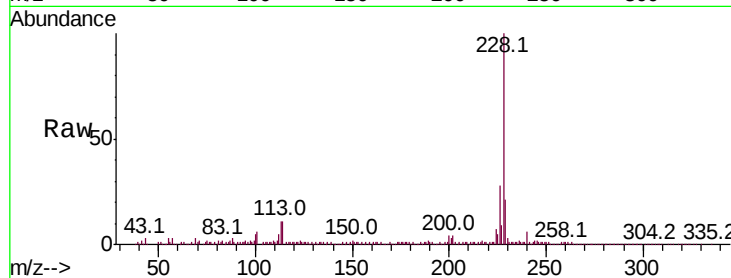
#81
Benzo(a)anthracene
Concen: 29.795 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	21.4	15.6	23.4

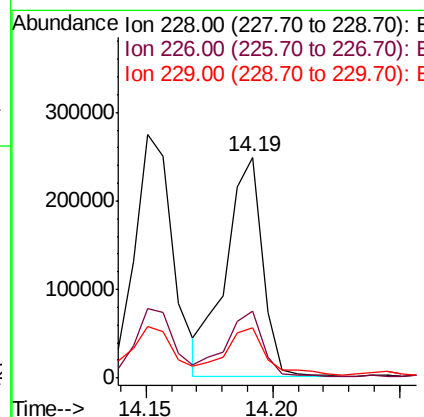
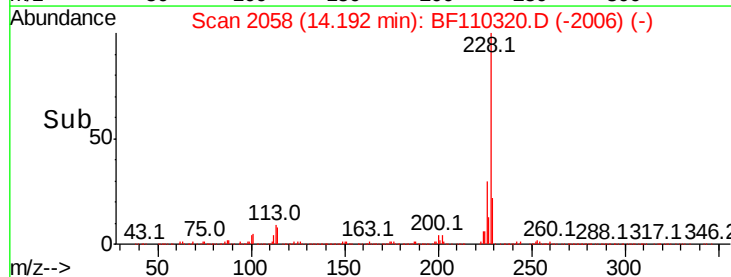
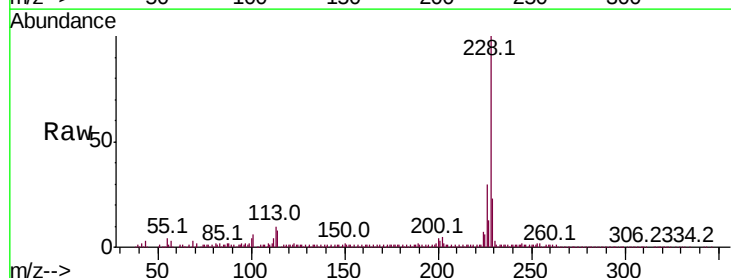
Manual Integrations
APPROVED

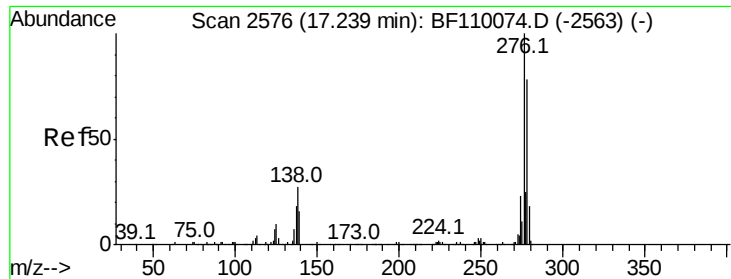
Sohil
10/31/2018 11:15:09 AM



#83
Chrysene
Concen: 26.867 ng
RT: 14.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	22.7	15.9	23.9





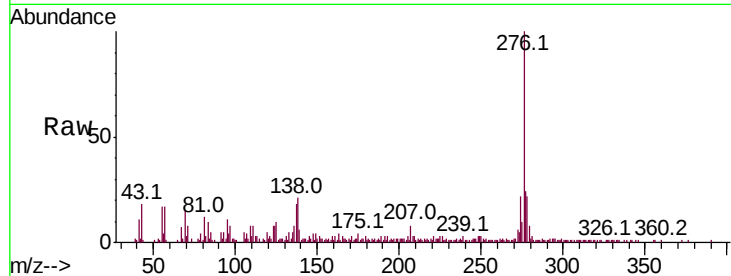
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.924 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.02 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25RE

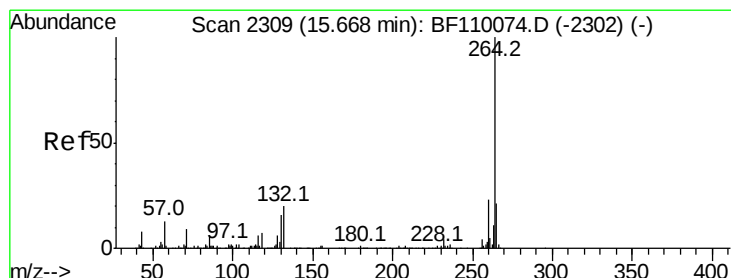
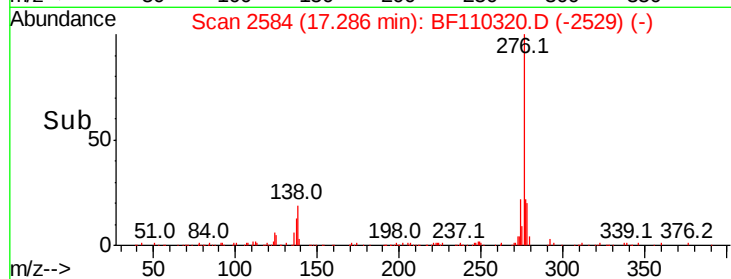
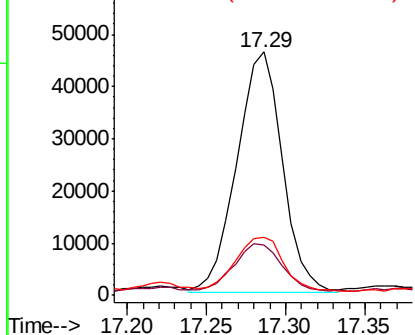
Tot Ion:276	Resp:	92052
Ion Ratio	Lower	Upper
276 100		
138 20.9	18.5	27.7
277 23.7	20.0	30.0

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:09 AM

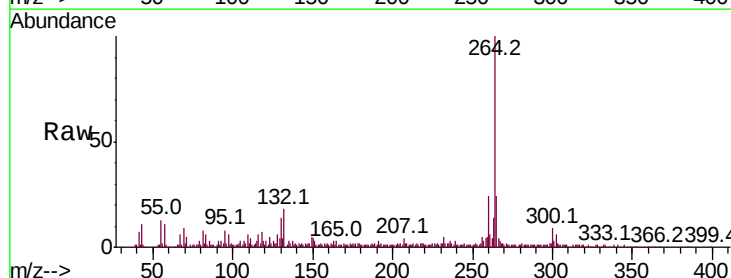


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

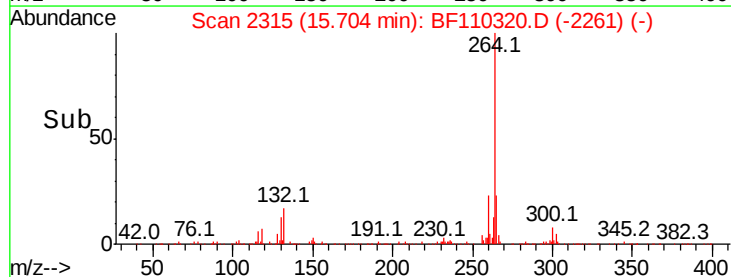
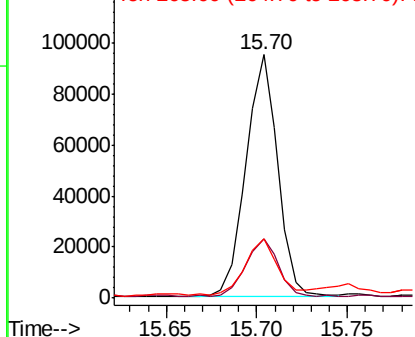


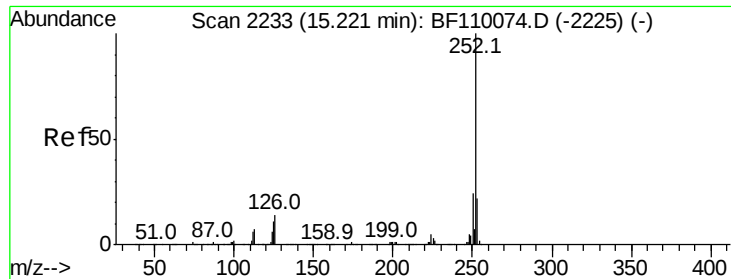
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.02 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Tgt Ion:264	Resp:	115826
Ion Ratio	Lower	Upper
264 100		
260 24.4	18.7	28.1
265 24.2	16.7	25.1



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





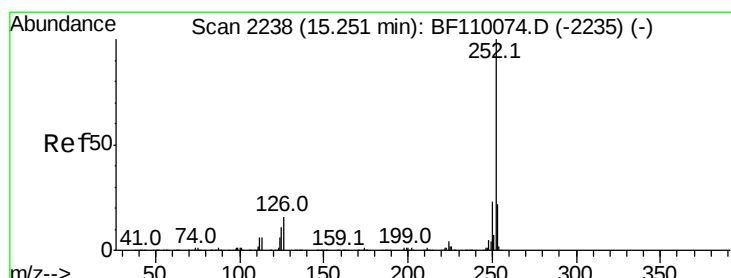
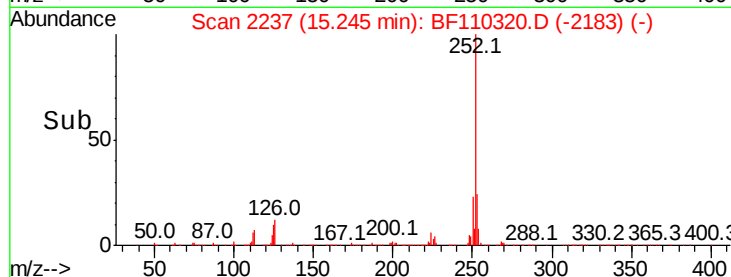
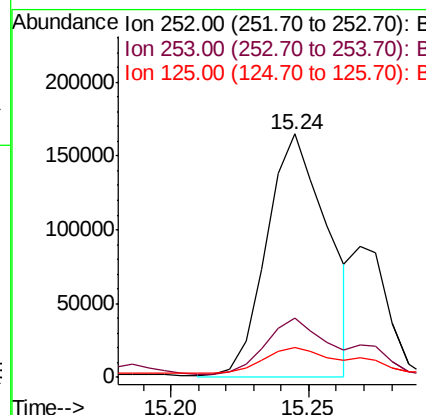
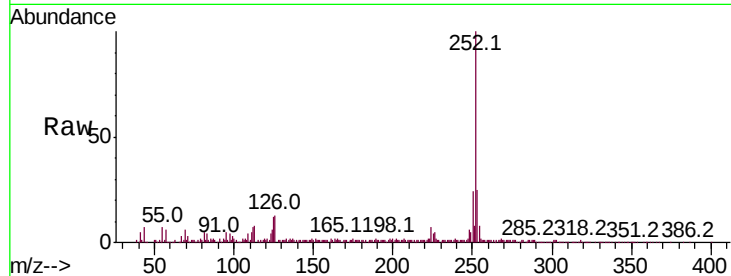
#88
Benzo(b)fluoranthene
Concen: 38.052 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	12.1	8.2	12.4

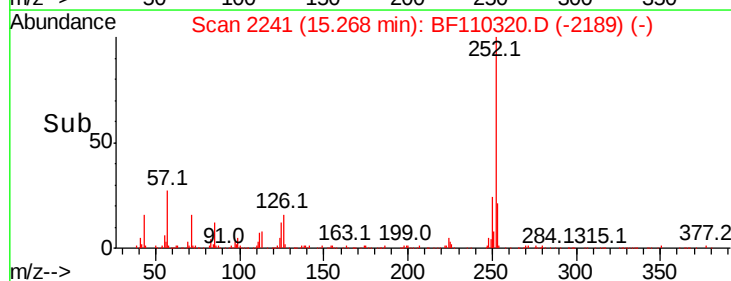
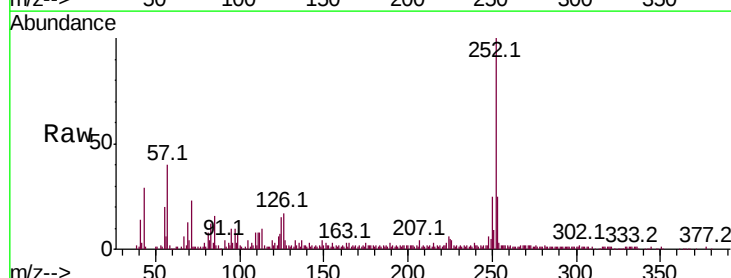
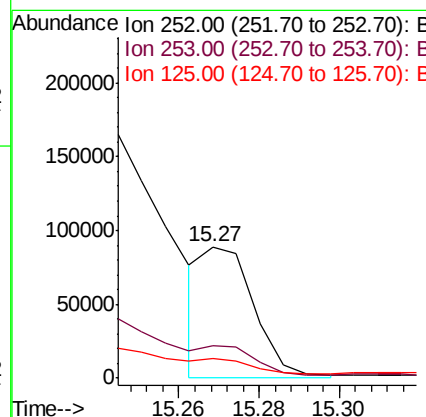
Manual Integrations
APPROVED

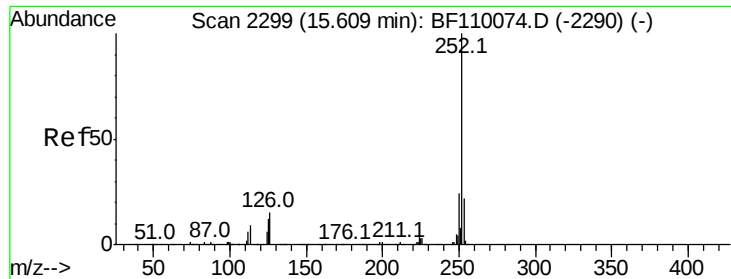
Sohil
10/31/2018 11:15:09 AM



#89
Benzo(k)fluoranthene
Concen: 12.050 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	15.0	7.4	11.0





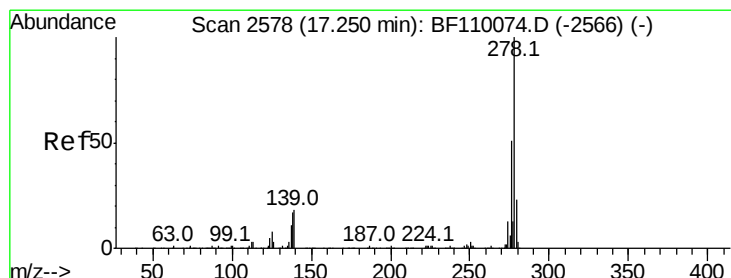
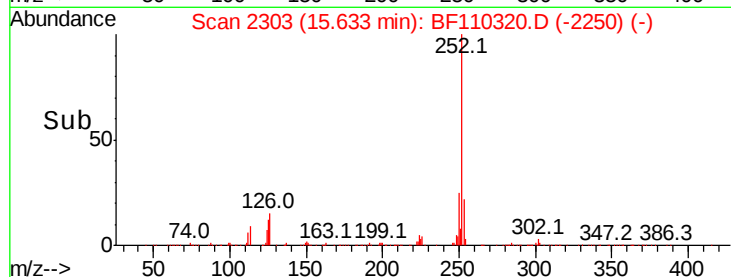
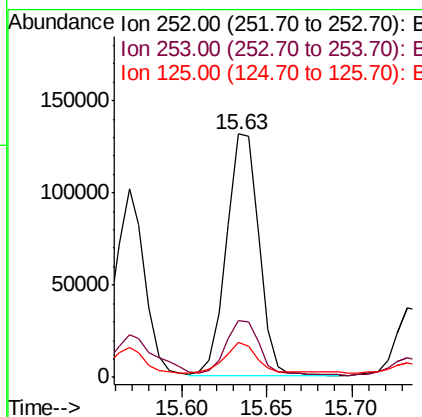
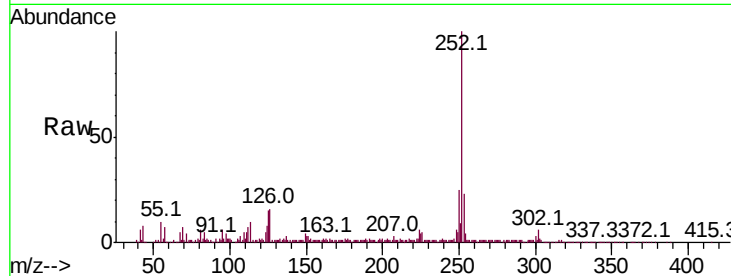
#90
Benzo(a)pyrene
Concen: 28.374 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	14.5	9.0	13.6

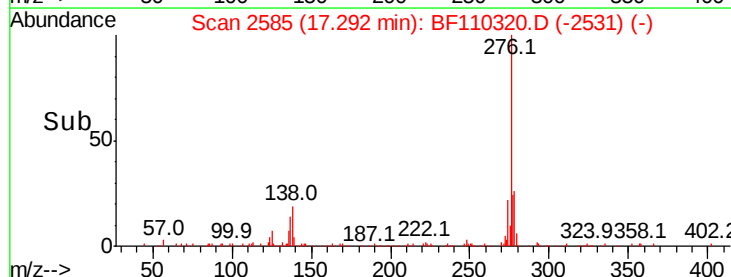
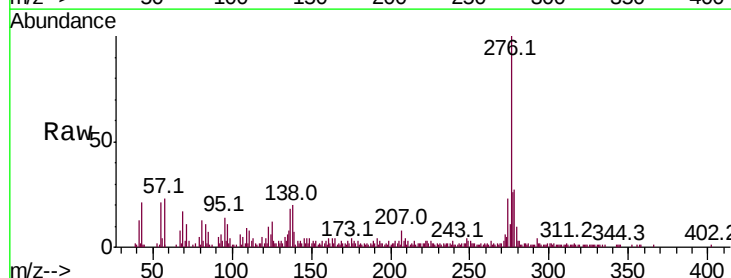
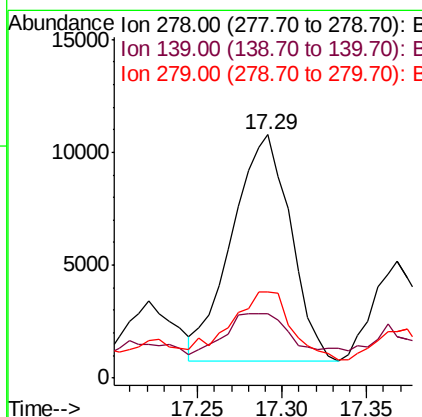
Manual Integrations
APPROVED

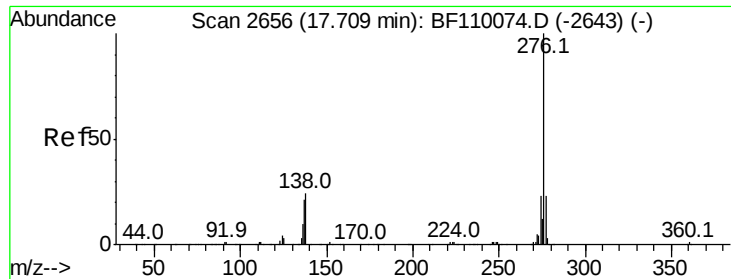
Sohil
10/31/2018 11:15:09 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.574 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.02 min
Lab File: BF110320.D
Acq: 30 Oct 2018 23:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	12.7	19.1
279	35.6	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 17.838 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.03 min
 Lab File: BF110320.D
 Acq: 30 Oct 2018 23:00

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	22.2	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:09 AM

