

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110323.D
 Acq On : 31 Oct 2018 00:21
 Operator : JU/SJ
 Sample : J5685-03DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-27DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 07:50:59 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	89431	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	331728	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	130989	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	223566	20.00	ng	0.00
76) Chrysene-d12	14.16	240	185443	20.00	ng	0.00
87) Perylene-d12	15.70	264	122760	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	244285	44.48	ng	0.00
7) Phenol-d6	6.59	99	296523	42.21	ng	0.00
23) Nitrobenzene-d5	7.53	82	174747	31.24	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	50635	39.02	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	316997	38.00	ng	0.00
79) Terphenyl-d14	13.09	244	271940	30.50	ng	0.00
Target Compounds						
10) Phenol	6.60	94	19808	2.638	ng	Qvalue # 78
50) Dimethylphthalate	9.72	163	48328	4.998	ng	98
71) Phenanthrene	11.53	178	201375	17.214	ng	99
72) Anthracene	11.59	178	77224	6.586	ng	99
75) Fluoranthene	12.73	202	521007	43.885	ng	97
78) Pyrene	12.96	202	518469	38.998	ng	99
81) Benzo(a)anthracene	14.15	228	277650	25.247	ng	97
83) Chrysene	14.19	228	227340	21.765	ng	97
86) Indeno(1,2,3-cd)pyrene	17.28	276	103408	11.934	ng	98
88) Benzo(b)fluoranthene	15.24	252	271715m	38.329	ng	
89) Benzo(k)fluoranthene	15.27	252	73142m	10.495	ng	
90) Benzo(a)pyrene	15.63	252	175679	26.932	ng	99
91) Dibenzo(a,h)anthracene	17.29	278	26353	4.682	ng	# 85
92) Benzo(g,h,i)perylene	17.76	276	100608	18.140	ng	99

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

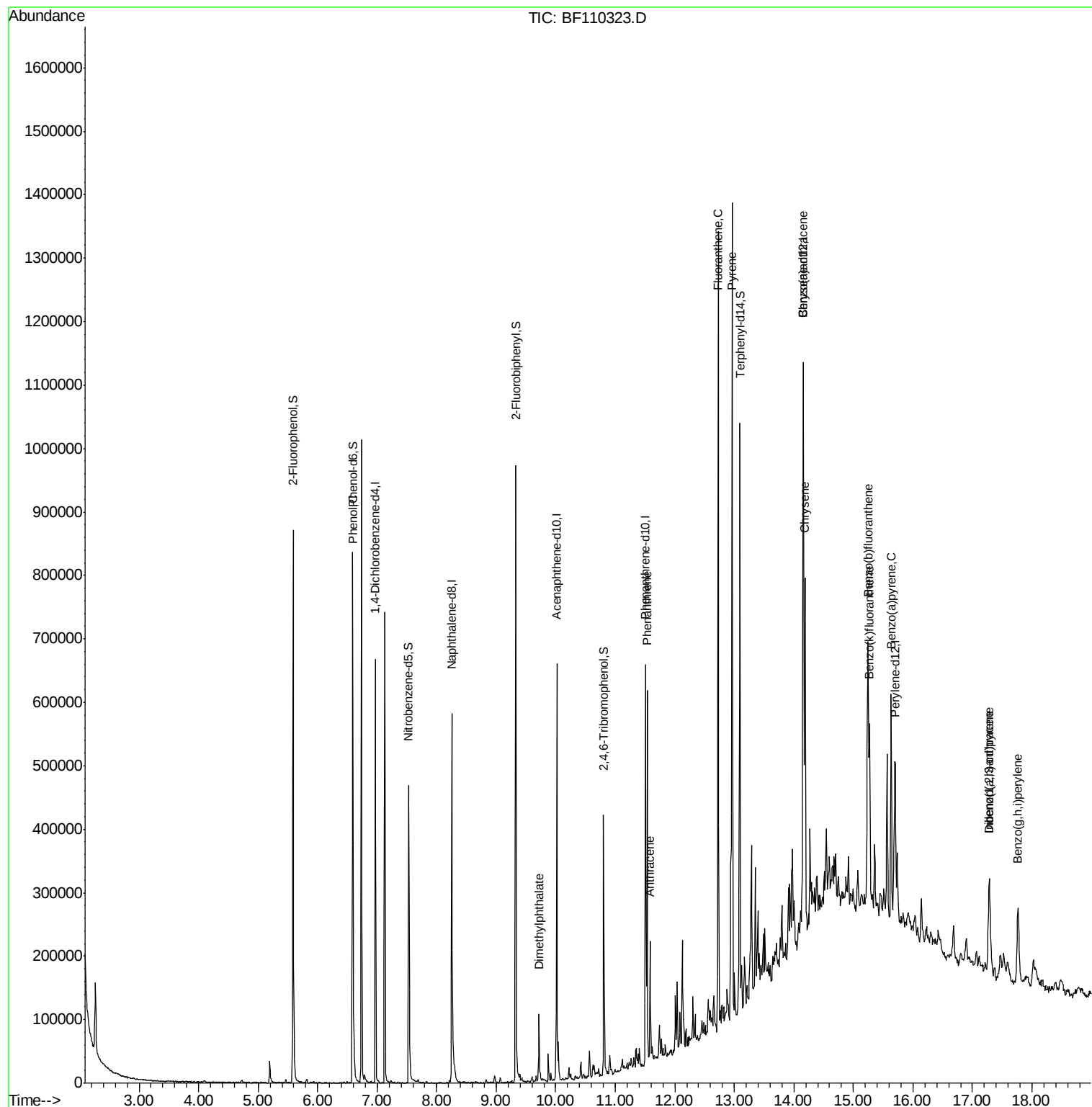
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110323.D
Acq On : 31 Oct 2018 00:21
Operator : JU/SJ
Sample : J5685-03DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

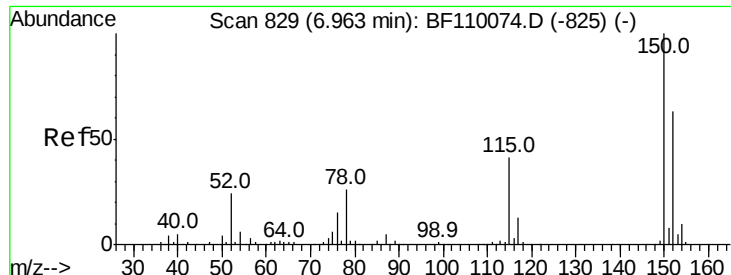
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Manual Integrations
APPROVED

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

Quant Time: Oct 31 07:50:59 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

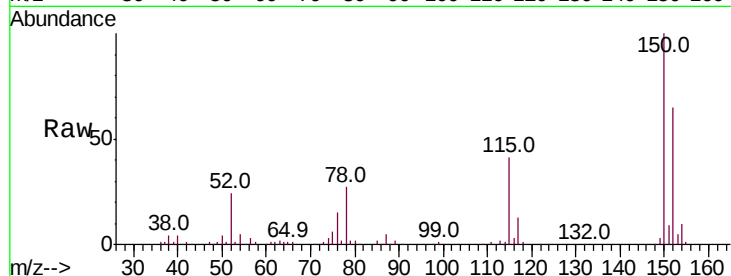
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	122.7	184.1
115	63.6	49.1	73.7

Manual Integrations
APPROVED

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

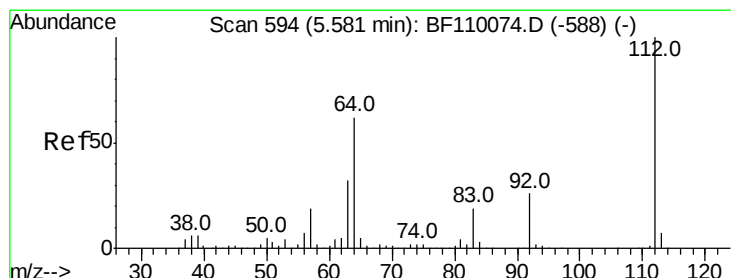
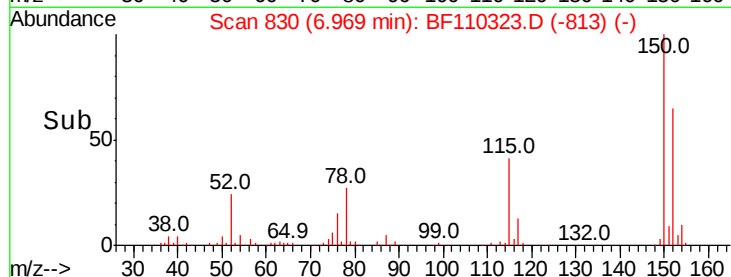
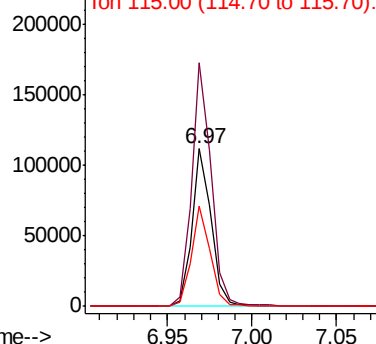


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

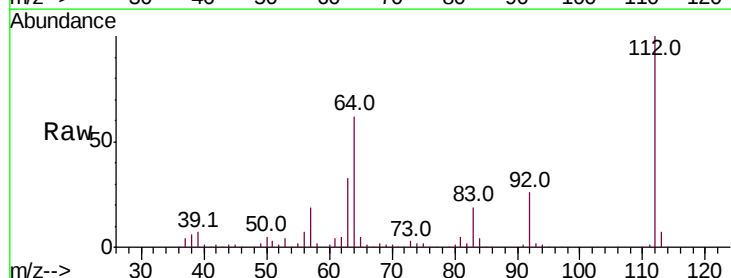
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.482 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	44.1	66.1
63	33.1	23.7	35.5

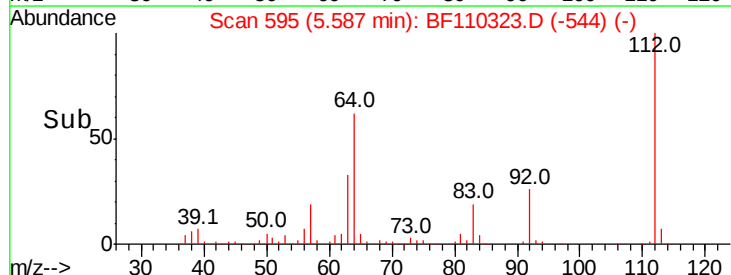
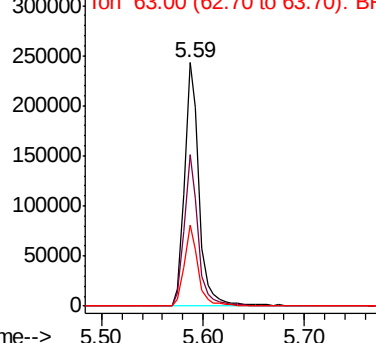


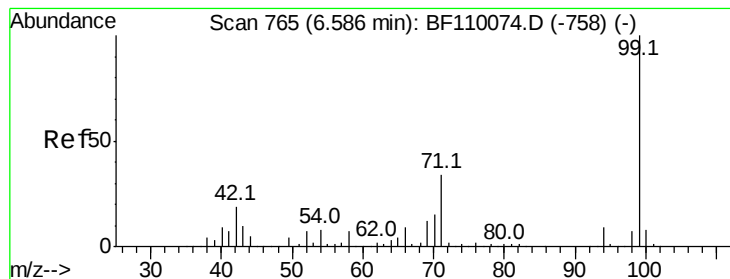
Abundance

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: 42.213 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Instrument :

BNA_F

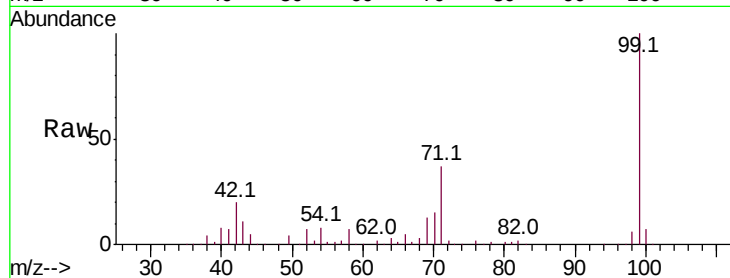
ClientSampleId :

DOCUMENTATION-27DL

Tot Ion	99	Resp	296523
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.8	23.6
71	36.9	28.0	42.0

Manual Integrations
APPROVED

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

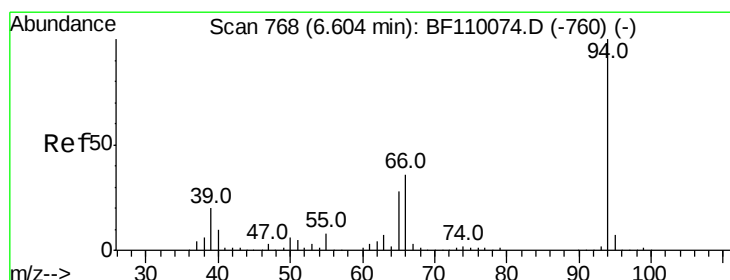
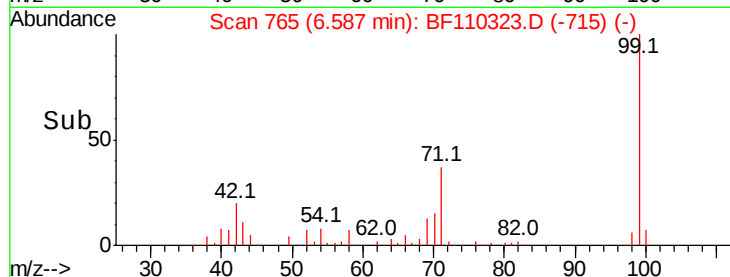
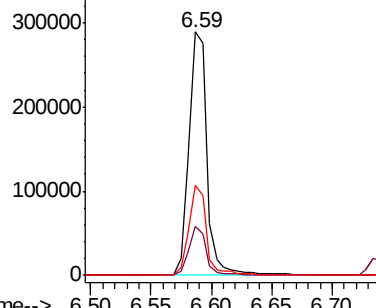


Abundance

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: 2.638 ng

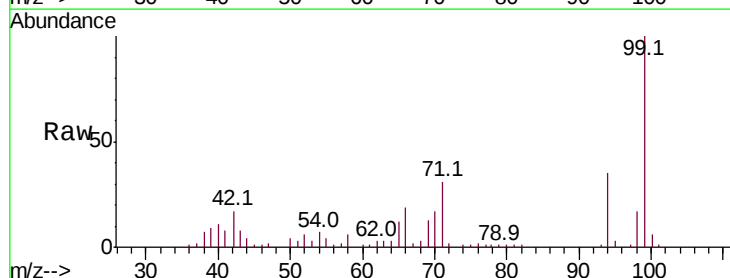
RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Tgt Ion	94	Resp	19808
Ion	Ratio	Lower	Upper
94	100		
65	34.1	25.3	65.3
66	53.0	54.5	94.5#

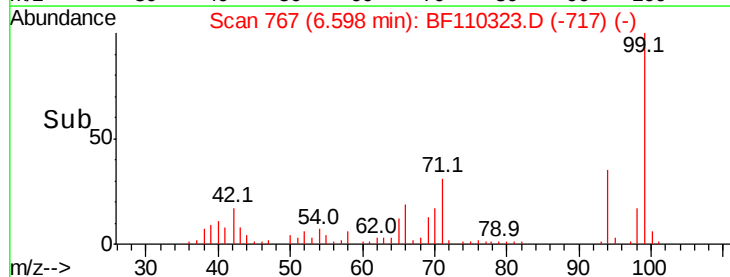
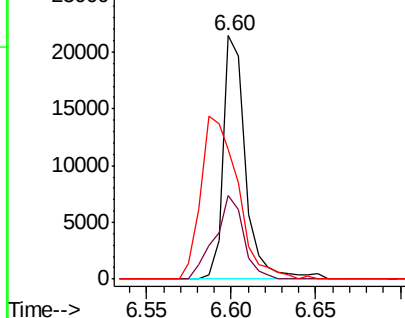


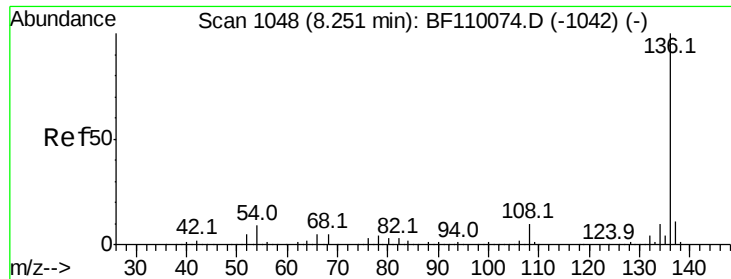
Abundance

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





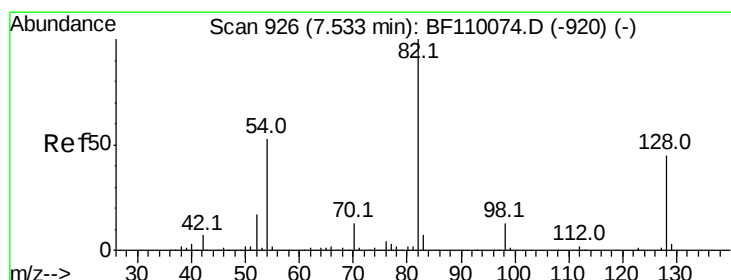
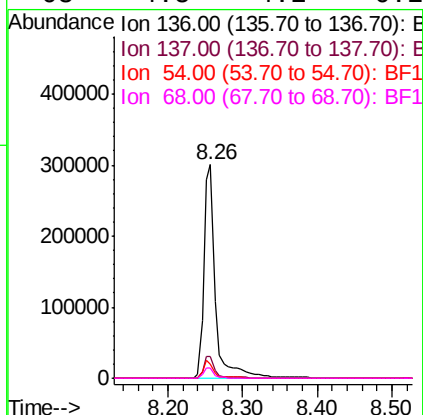
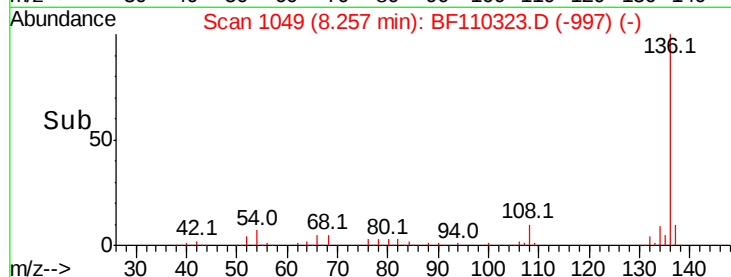
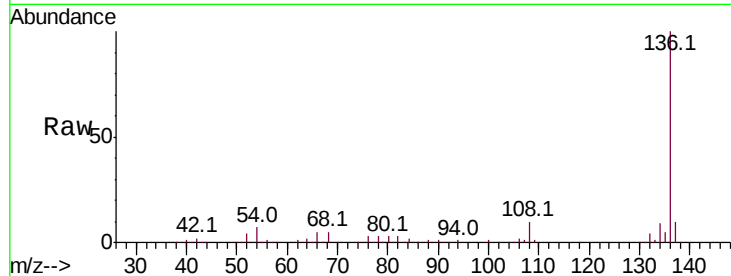
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.8	13.2	
54	6.8	5.4	8.2	
68	4.5	4.2	6.2	

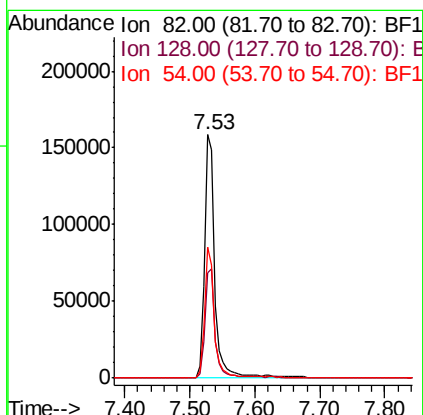
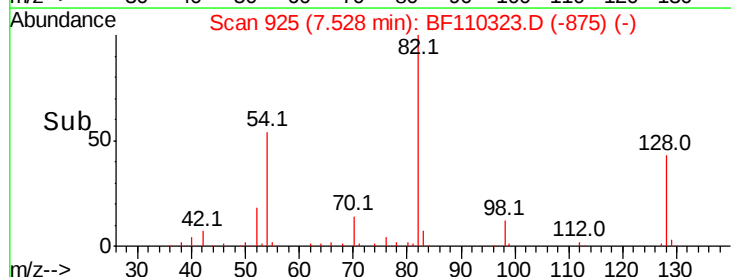
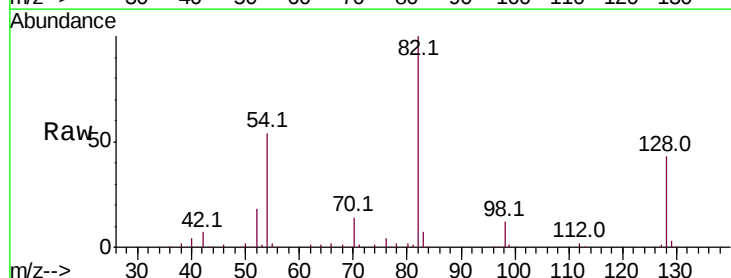
Manual Integrations
APPROVED

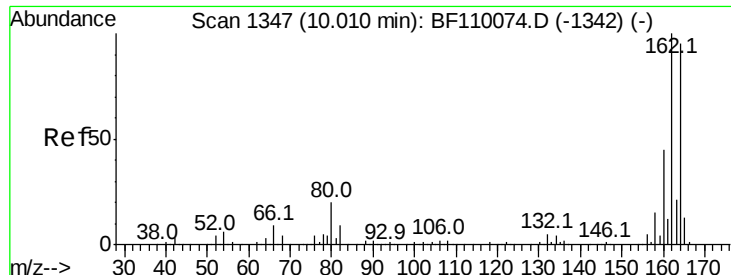
Sohil
10/31/2018 11:15:11 AM



#23
Nitrobenzene-d5
Concen: 31.245 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.1	34.2	51.2	
54	54.0	38.6	58.0	





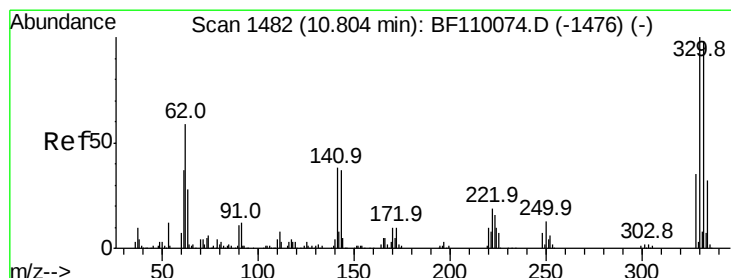
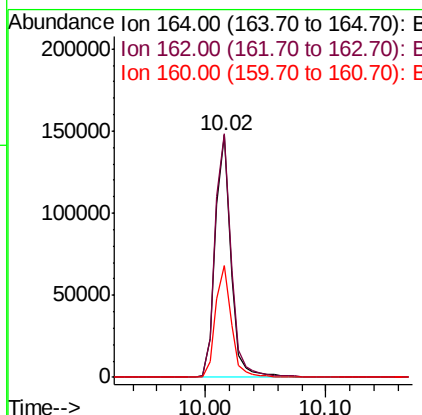
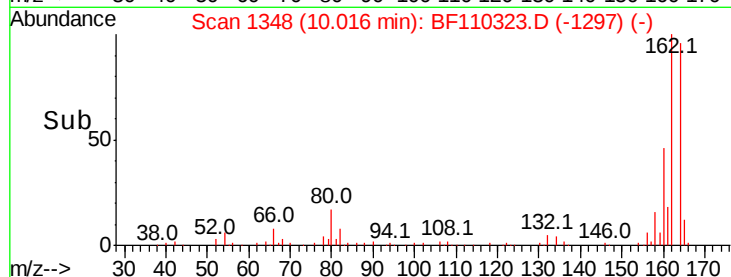
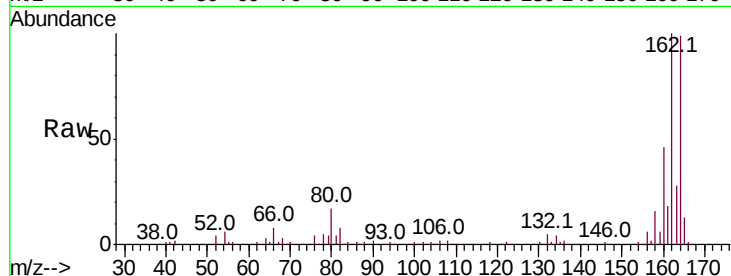
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	83.0	124.6
160	46.4	37.0	55.6

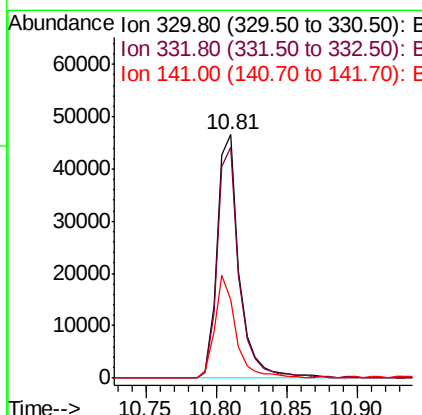
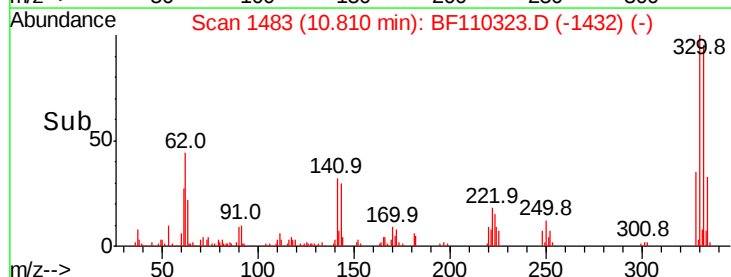
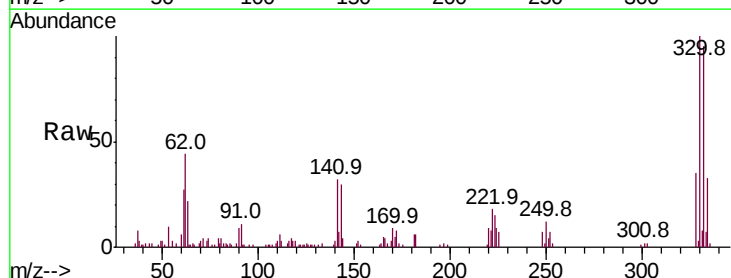
Manual Integrations
APPROVED

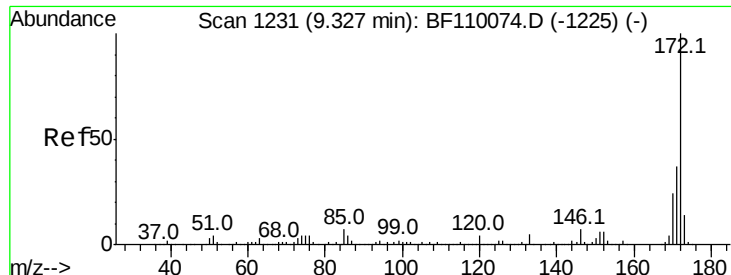
Sohil
10/31/2018 11:15:11 AM



#42
2,4,6-Tribromophenol
Concen: 39.024 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.1	115.7
141	40.1	27.0	40.4





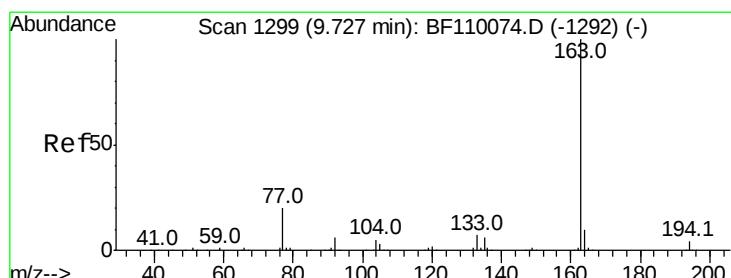
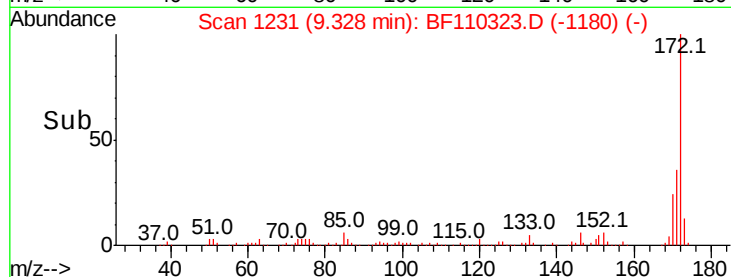
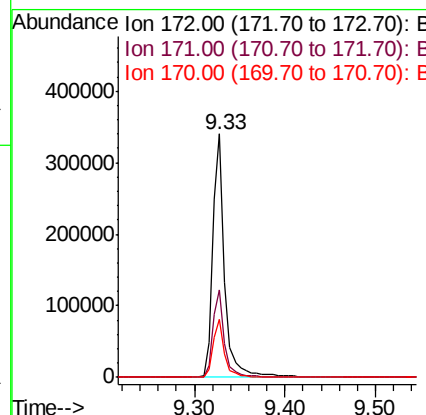
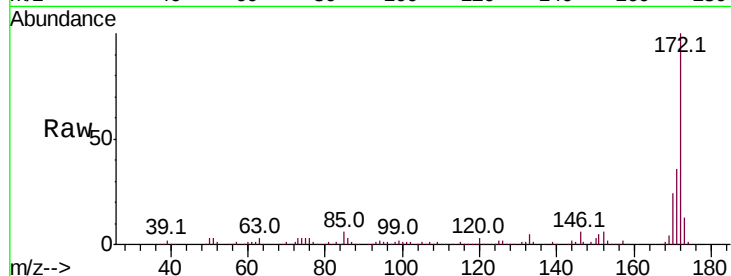
#45
2-Fluorobiphenyl
Concen: 38.001 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	28.6	43.0	
170	23.6	19.7	29.5	

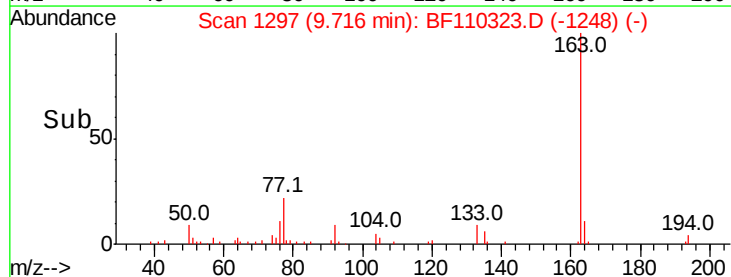
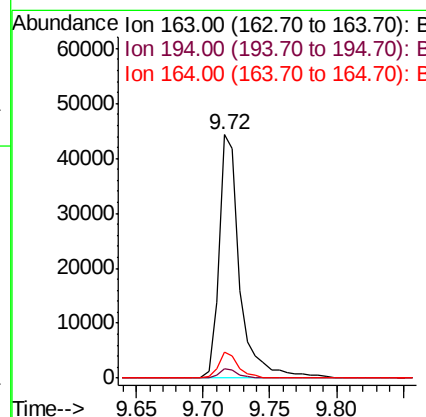
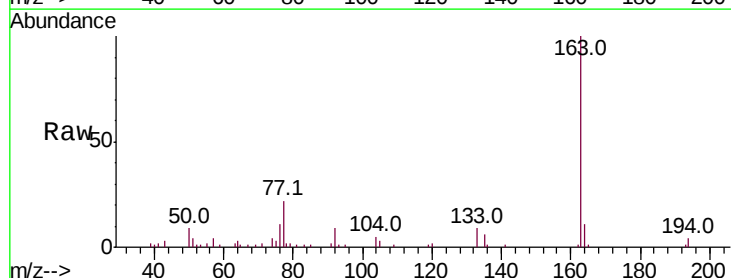
Manual Integrations
APPROVED

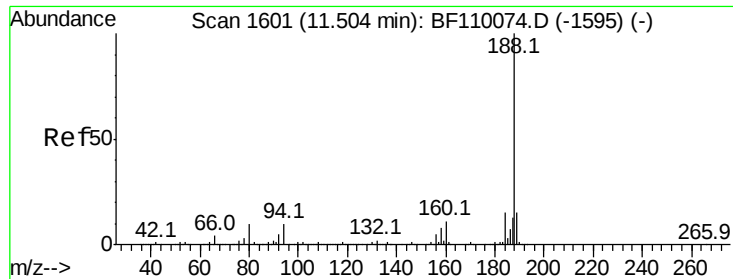
Sohil
10/31/2018 11:15:11 AM



#50
Dimethylphthalate
Concen: 4.998 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	3.2	4.8	
164	10.8	8.1	12.1	





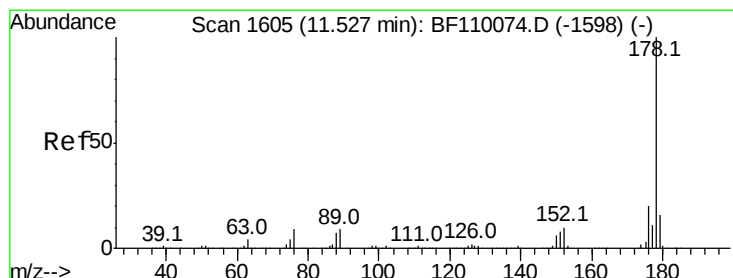
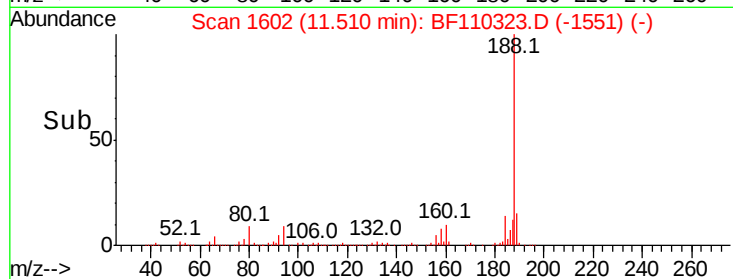
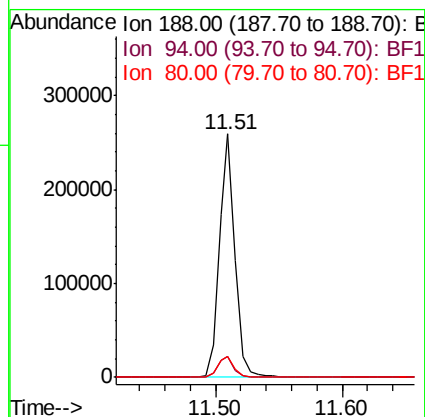
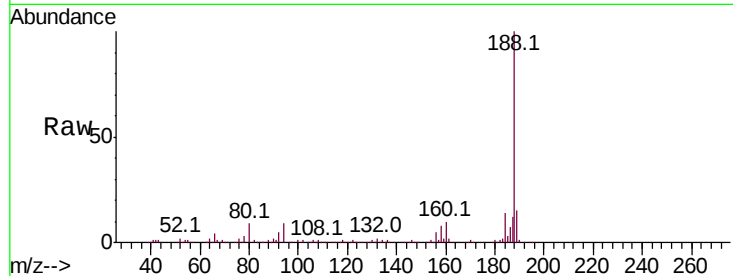
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	7.2	10.8
80	8.6	7.9	11.9

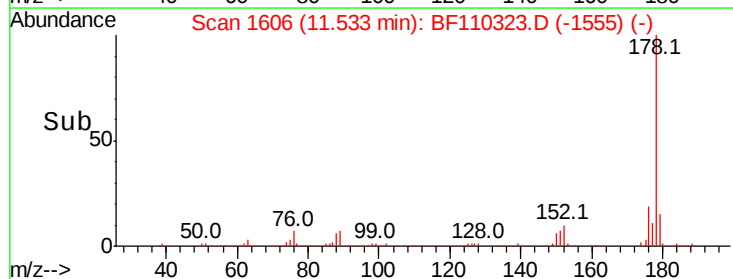
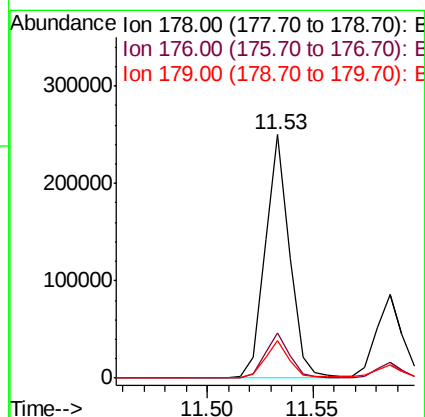
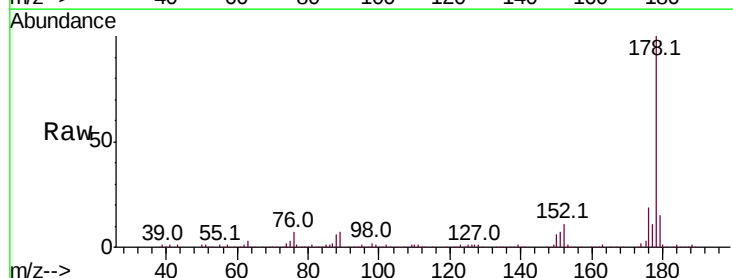
Manual Integrations
APPROVED

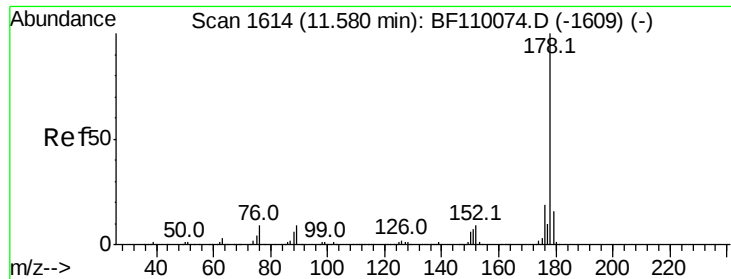
Sohil
10/31/2018 11:15:11 AM



#71
Phenanthrene
Concen: 17.214 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.2	12.5	18.7





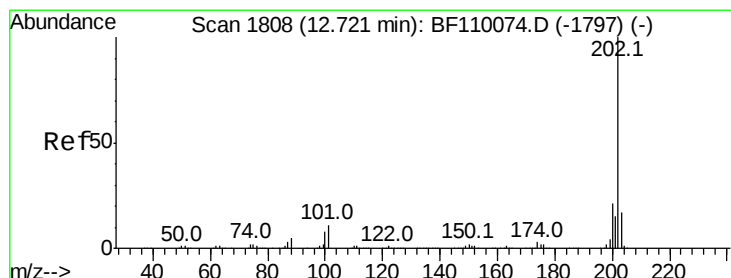
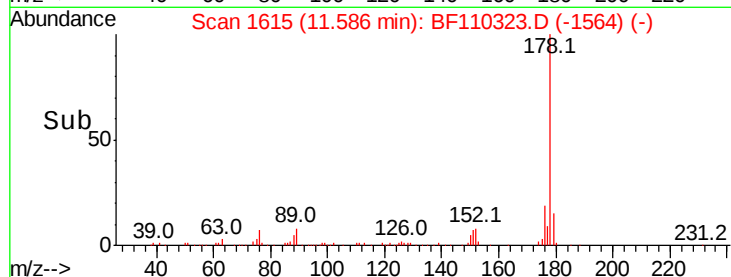
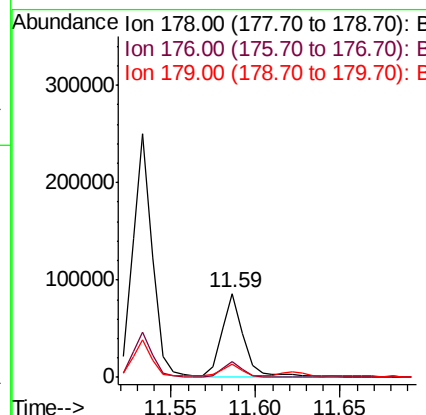
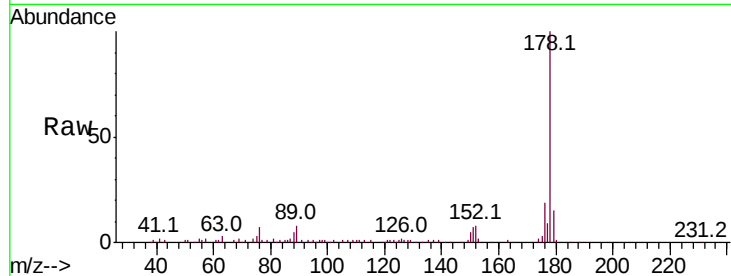
#72
 Anthracene
 Concen: 6.586 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.6	18.8

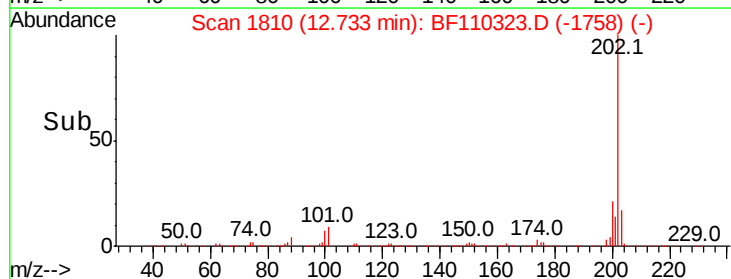
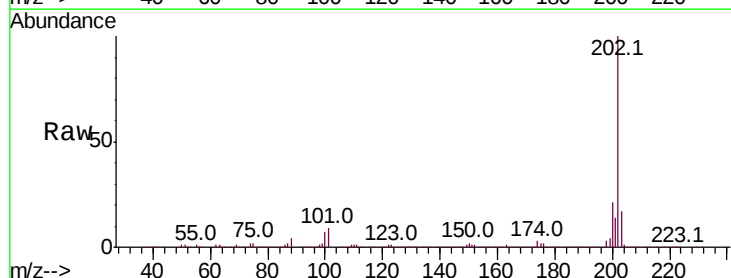
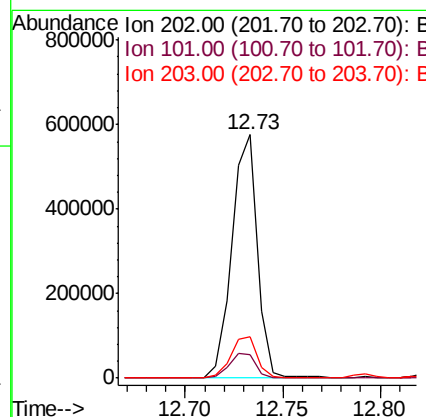
Manual Integrations
 APPROVED

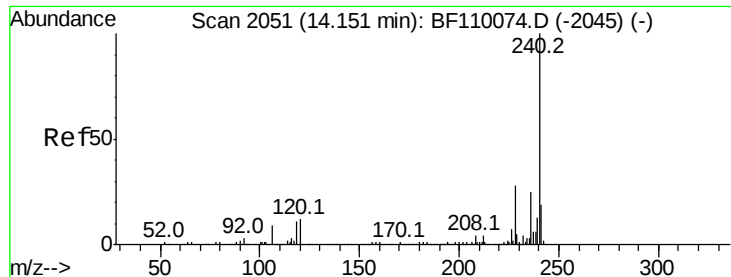
Sohil
 10/31/2018 11:15:11 AM



#75
 Fluoranthene
 Concen: 43.885 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.4
203	17.1	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Instrument :

BNA_F

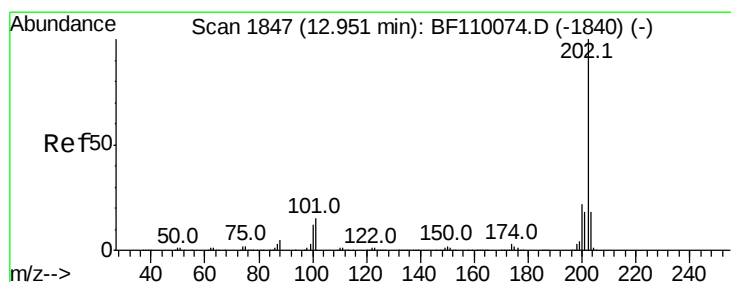
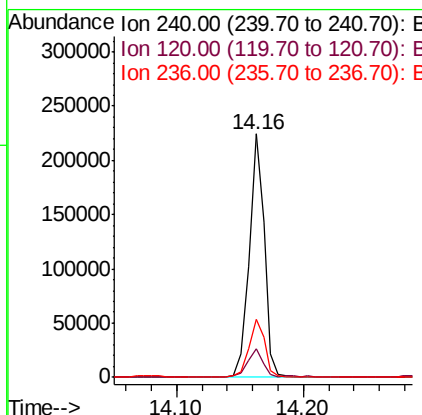
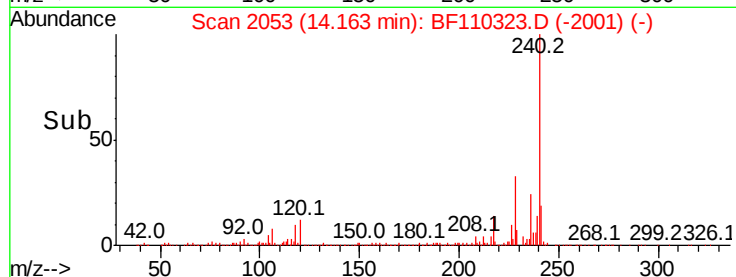
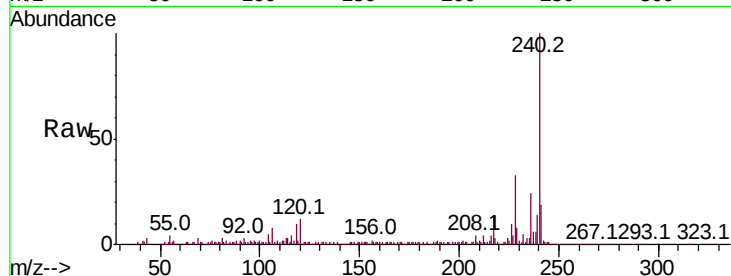
ClientSampleId :

DOCUMENTATION-27DL

Tot Ion:	240	Resp:	185443
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.3	12.5
236	23.9	21.2	31.8

Manual Integrations
APPROVED

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



#78

Pyrene

Concen: 38.998 ng

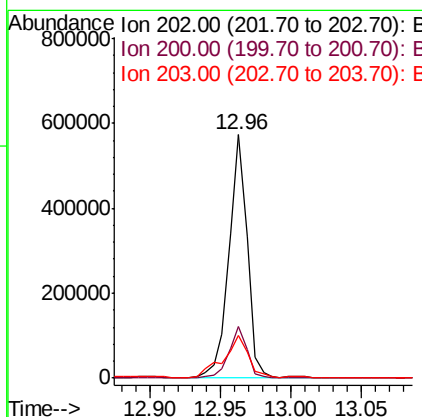
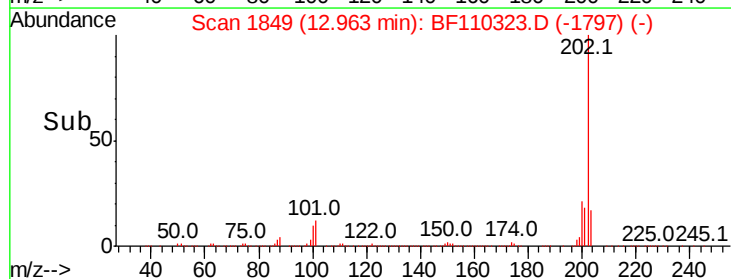
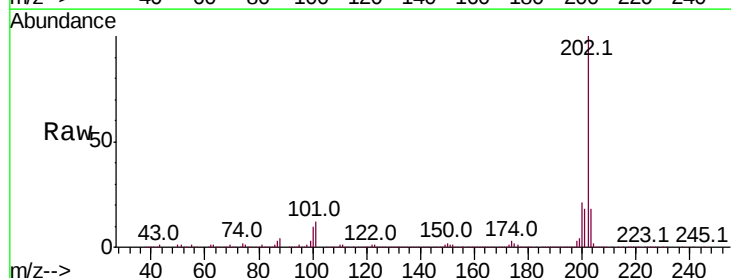
RT: 12.96 min Scan# 1849

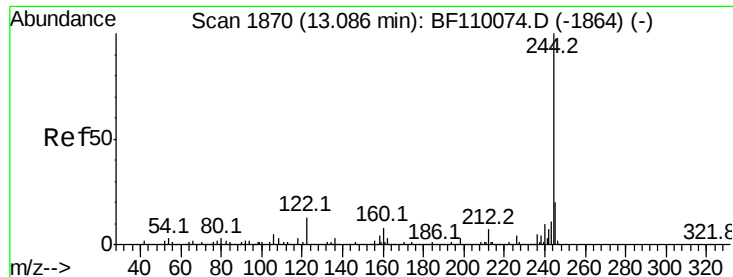
Delta R.T. 0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Tgt Ion:	202	Resp:	518469
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.8	26.6
203	17.6	14.2	21.4





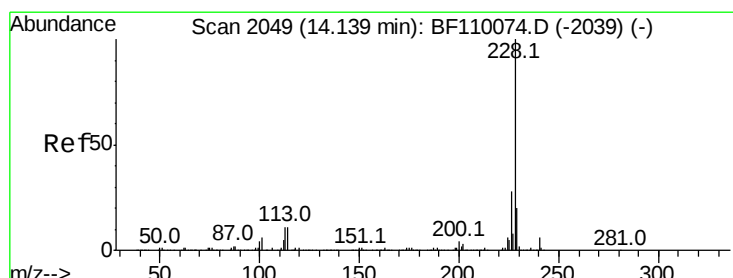
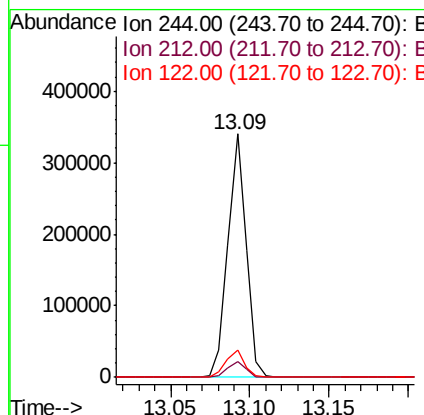
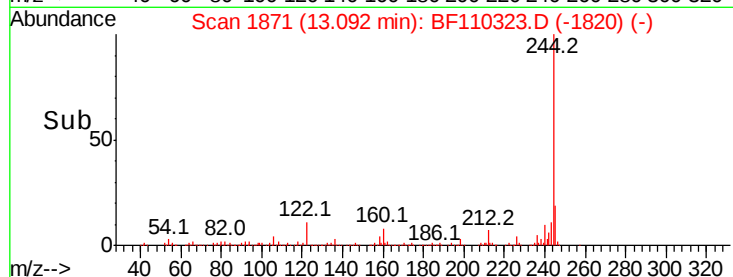
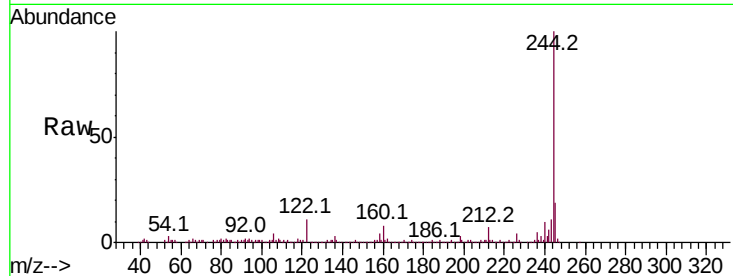
#79
 Terphenyl-d14
 Concen: 30.498 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.2	8.7	13.1

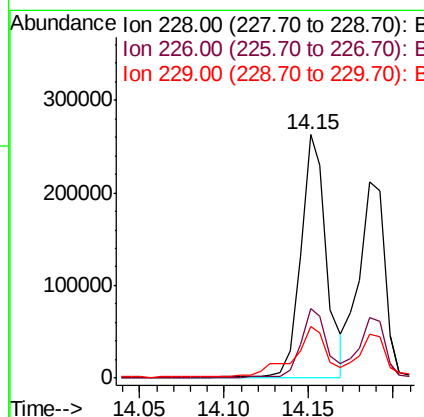
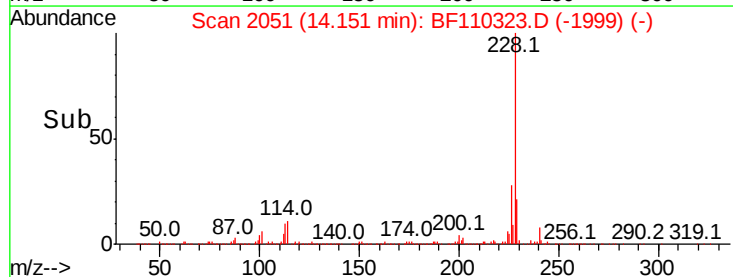
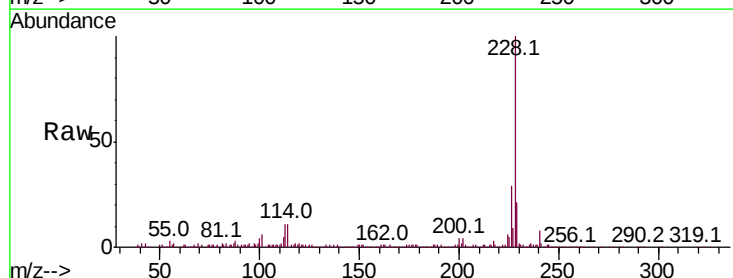
Manual Integrations
 APPROVED

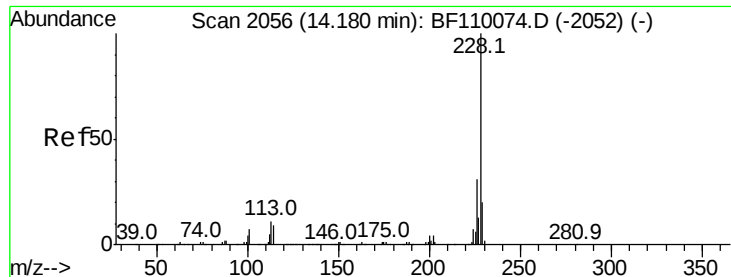
Sohil
 10/31/2018 11:15:11 AM



#81
 Benzo(a)anthracene
 Concen: 25.247 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. 0.01 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	21.0	15.6	23.4





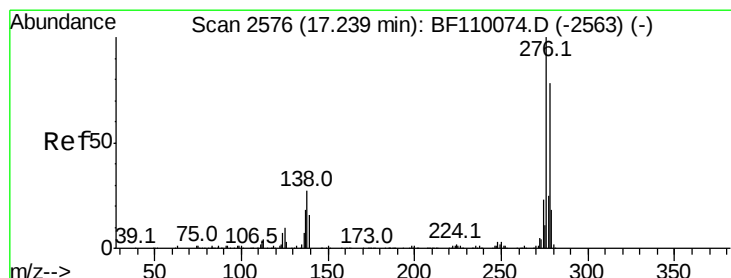
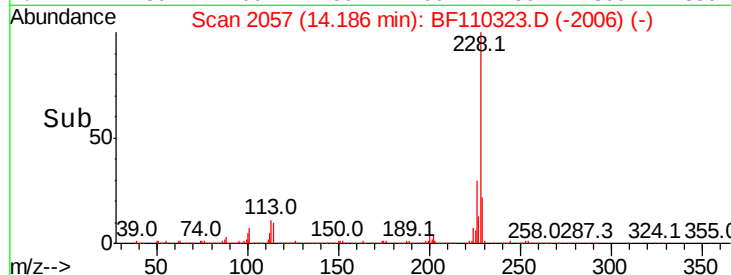
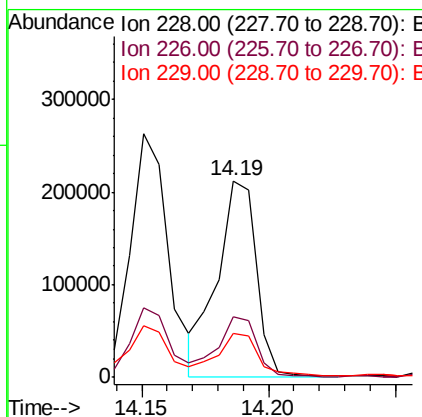
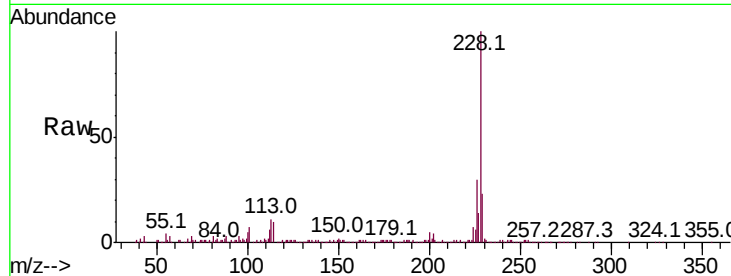
#83
Chrysene
Concen: 21.765 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion:	228	Resp:	227340
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.7	37.1
229	22.6	15.9	23.9

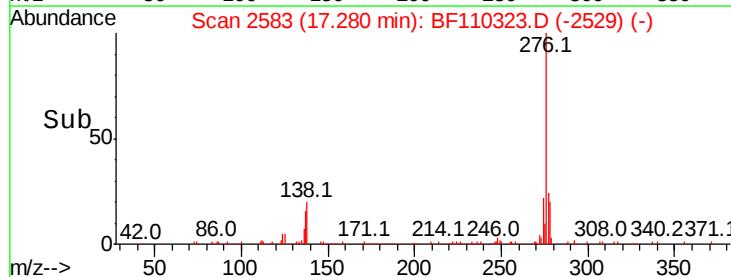
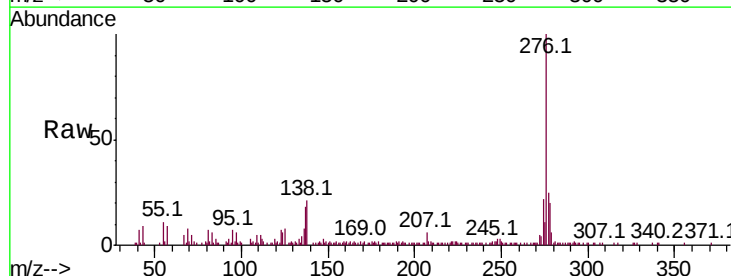
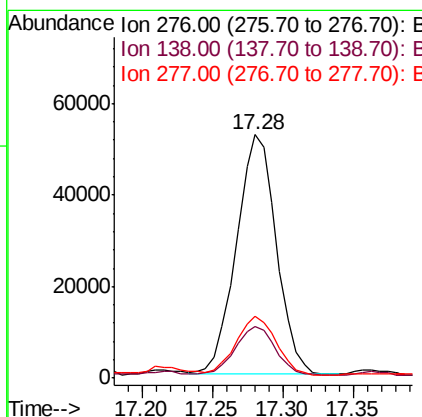
Manual Integrations
APPROVED

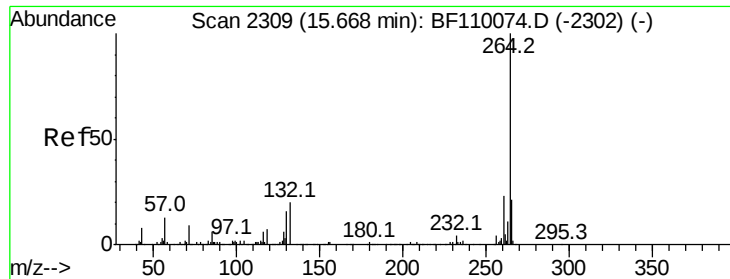
Sohil
10/31/2018 11:15:11 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 11.934 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion:	276	Resp:	103408
Ion Ratio	Lower	Upper	
276	100		
138	20.8	18.5	27.7
277	25.0	20.0	30.0





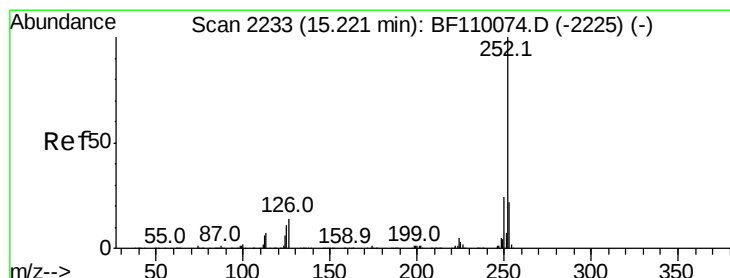
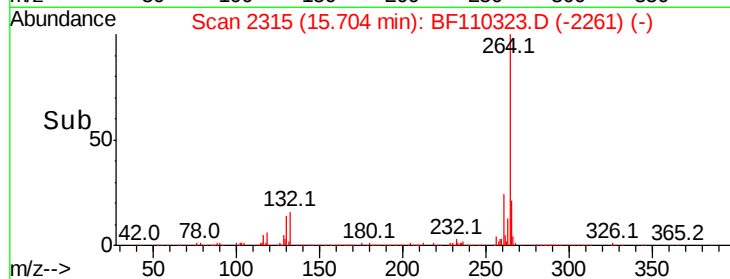
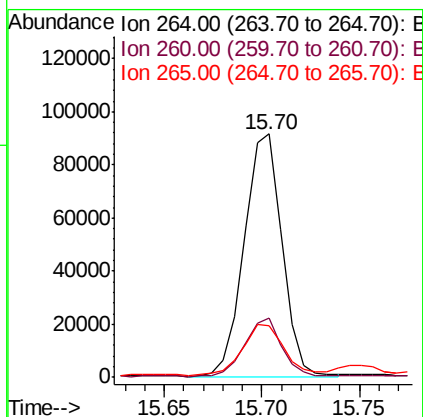
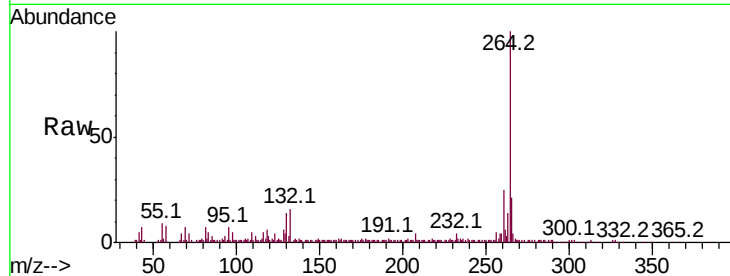
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	21.4	16.7	25.1

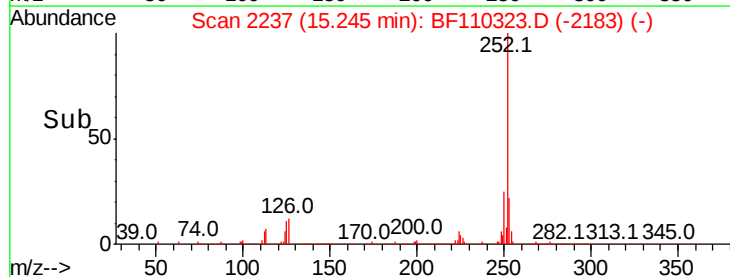
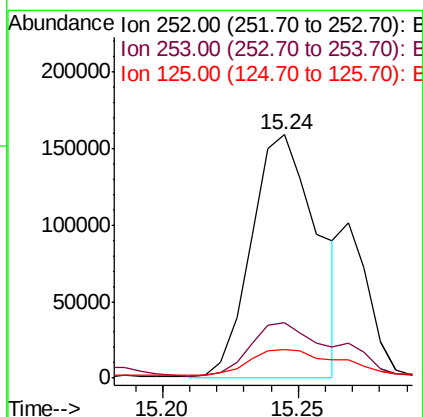
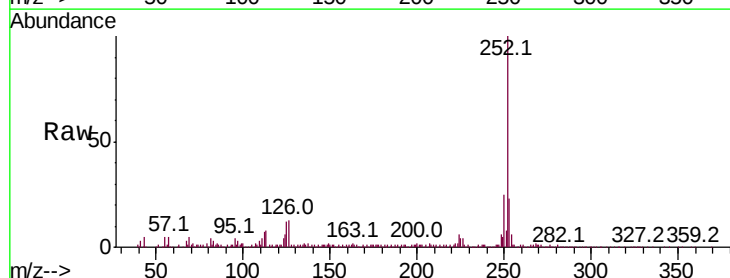
Manual Integrations
APPROVED

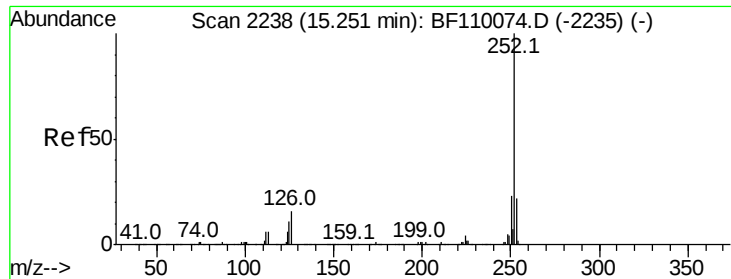
Sohil
10/31/2018 11:15:11 AM



#88
Benzo(b)fluoranthene
Concen: 38.329 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.8	8.2	12.4





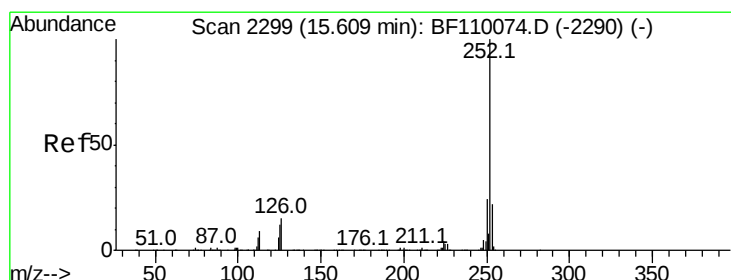
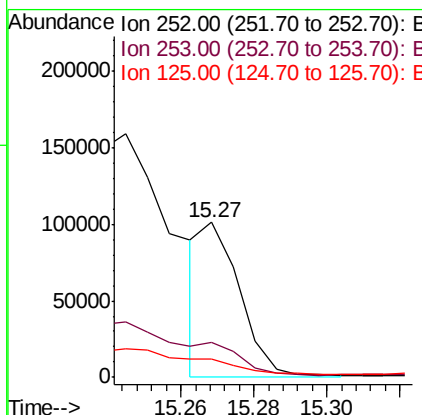
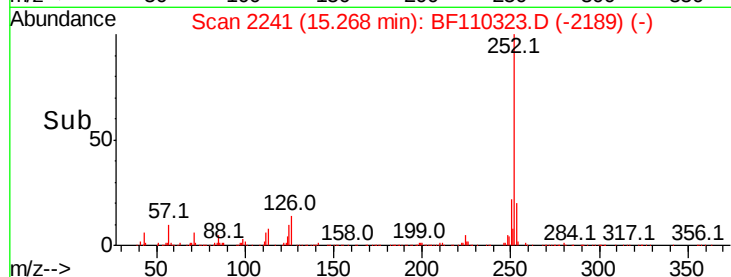
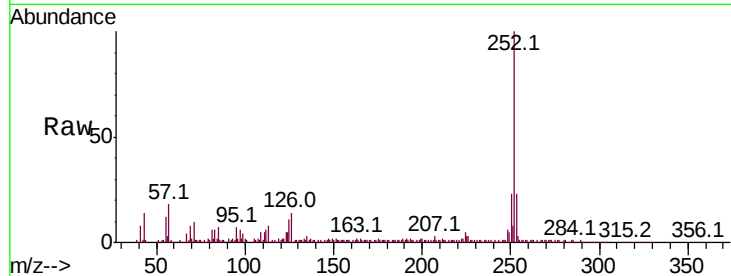
#89
Benzo(k)fluoranthene
Concen: 10.495 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.5	7.4	11.0

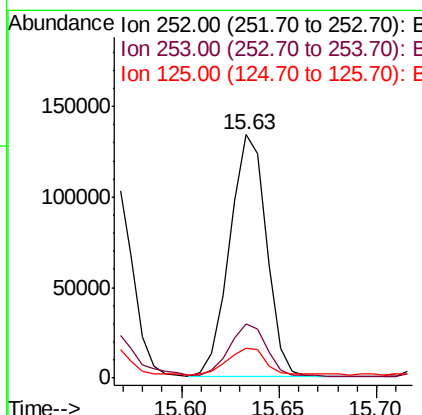
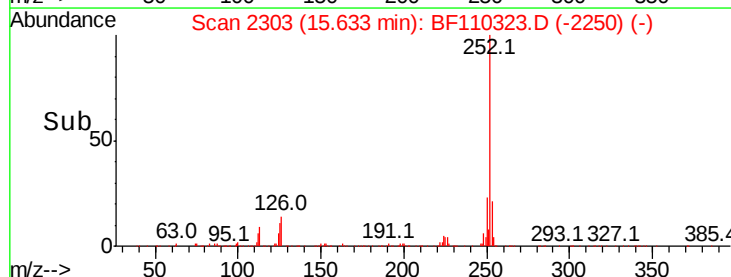
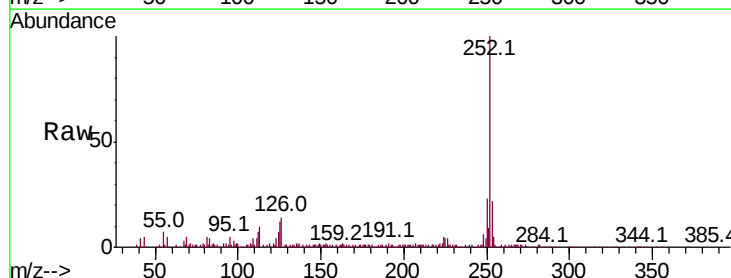
Manual Integrations
APPROVED

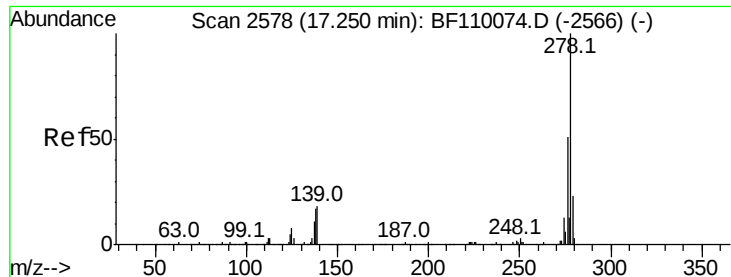
Sohil
10/31/2018 11:15:11 AM



#90
Benzo(a)pyrene
Concen: 26.932 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.2	9.0	13.6





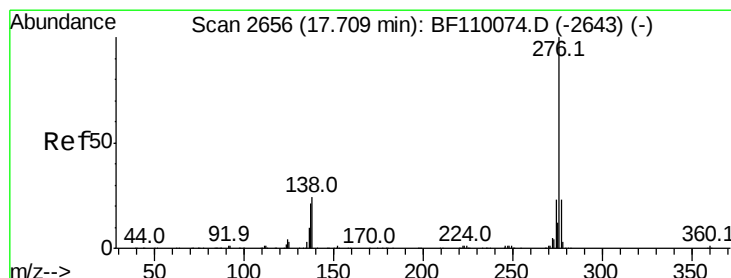
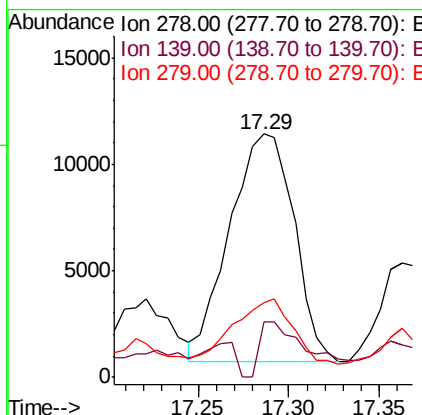
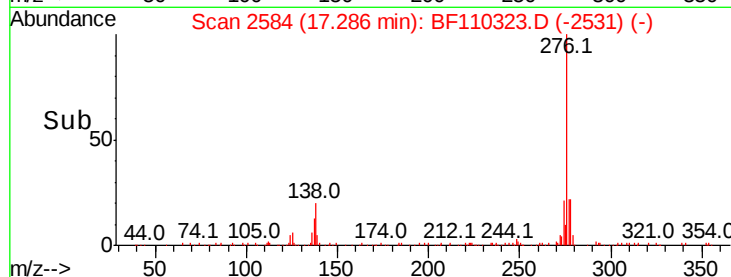
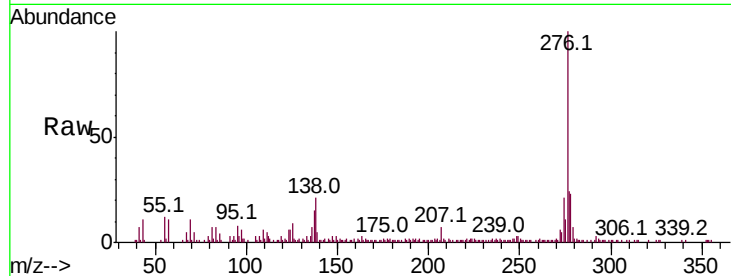
#91
Dibenzo(a,h)anthracene
Concen: 4.682 ng
RT: 17.29 min Scan# 2584
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.7	12.7	19.1#
279	30.4	19.0	28.4#

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 18.140 ng
RT: 17.76 min Scan# 2665
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.9	16.0	24.0

