

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110286.D
 Acq On : 30 Oct 2018 2:15
 Operator : JU/SJ
 Sample : J5685-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25

Manual Integrations
 APPROVED

Sohil
 10/30/2018 3:04:31 PM

Quant Time: Oct 30 09:12:16 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	98443	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	360594	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	139893	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	223226	20.00	ng	0.00
76) Chrysene-d12	14.16	240	145453	20.00	ng	0.00
87) Perylene-d12	15.70	264	108574	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	564361	93.36	ng	0.00
7) Phenol-d6	6.59	99	680930	88.06	ng	0.00
23) Nitrobenzene-d5	7.53	82	417208	68.63	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	101357	73.14	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	716114	80.38	ng	0.00
79) Terphenyl-d14	13.09	244	518736	74.17	ng	0.00
Target Compounds						
10) Phenol	6.60	94	50053	6.056	ng	Qvalue # 65
50) Dimethylphthalate	9.72	163	112057	10.851	ng	99
52) Acenaphthene	10.05	154	32110	3.621	ng	95
58) Fluorene	10.56	166	35495	3.842	ng	# 94
71) Phenanthrene	11.53	178	470482	40.280	ng	100
72) Anthracene	11.58	178	144630	12.354	ng	98
73) Carbazole	11.74	167	42216	3.693	ng	99
75) Fluoranthene	12.73	202	636339	53.681	ng	99
78) Pyrene	12.96	202	590744	56.651	ng	98
81) Benzo(a)anthracene	14.15	228	270871	31.403	ng	97
83) Chrysene	14.19	228	209475	25.568	ng	96
86) Indeno(1,2,3-cd)pyrene	17.27	276	88972	13.091	ng	98
88) Benzo(b)fluoranthene	15.24	252	227732m	36.322	ng	
89) Benzo(k)fluoranthene	15.26	252	75376m	12.229	ng	
90) Benzo(a)pyrene	15.63	252	166194	28.807	ng	98
91) Dibenzo(a,h)anthracene	17.28	278	24409	4.903	ng	# 79
92) Benzo(g,h,i)perylene	17.76	276	91838	18.722	ng	93

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

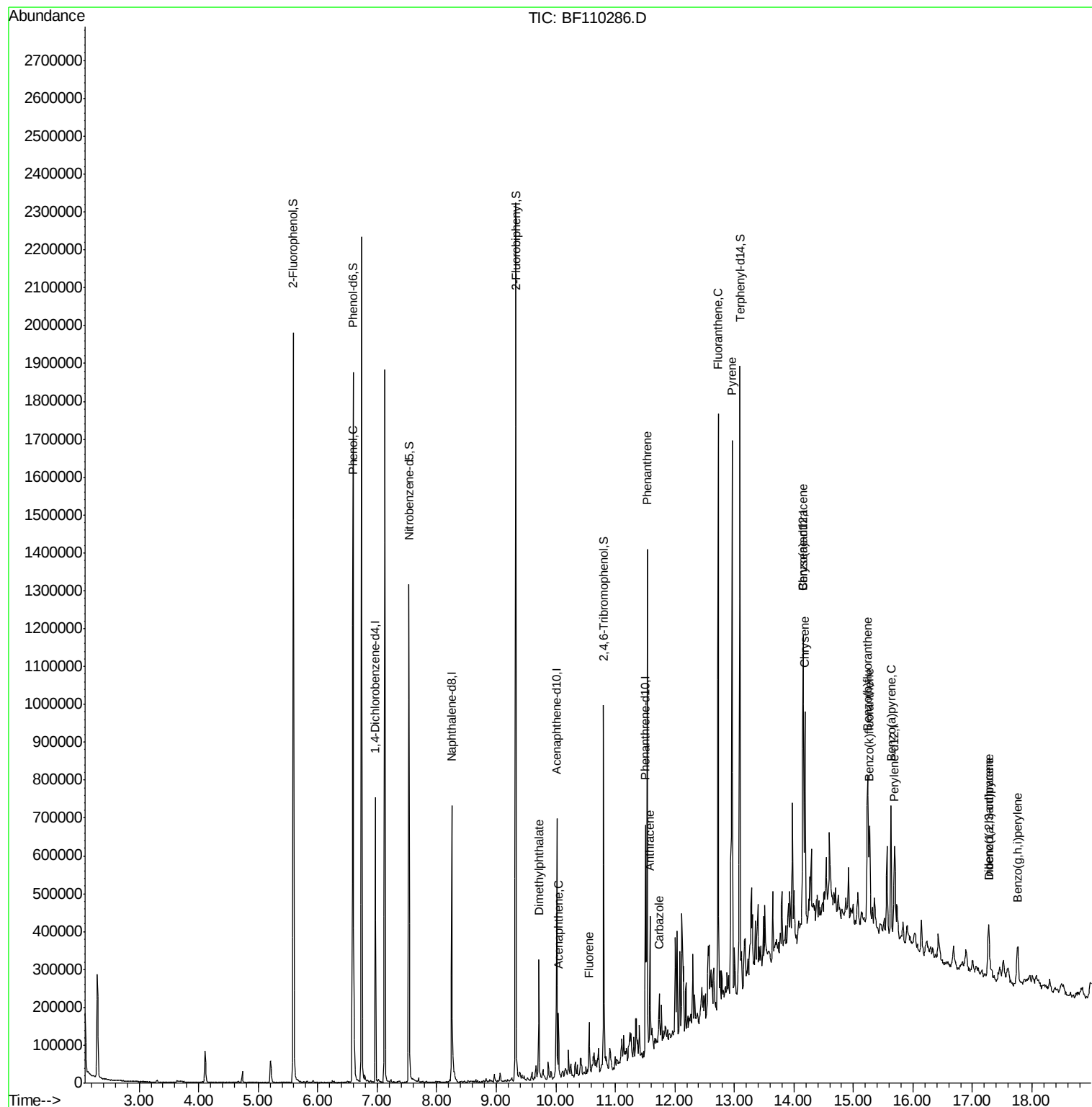
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110286.D
Acq On : 30 Oct 2018 2:15
Operator : JU/SJ
Sample : J5685-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

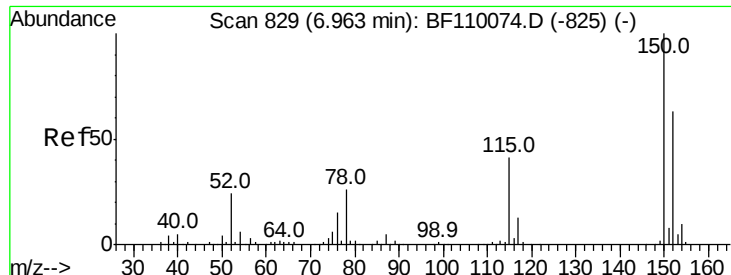
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Manual Integrations
APPROVED

Sohil
10/30/2018 3:04:31 PM

Quant Time: Oct 30 09:12:16 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

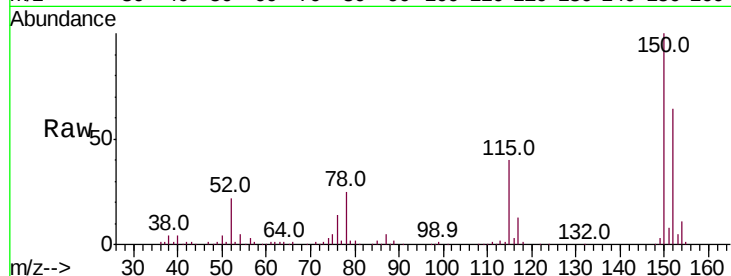
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.7	184.1
115	62.8	49.1	73.7

Manual Integrations
APPROVED

Sohil
10/30/2018 3:04:31 PM

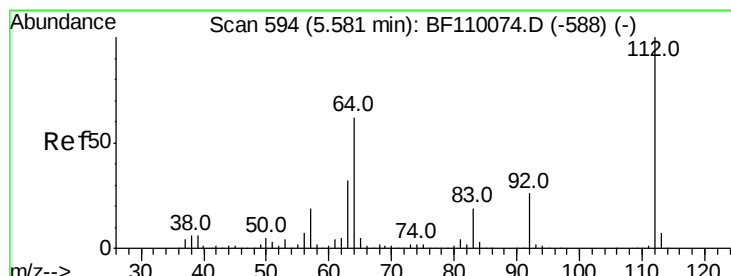
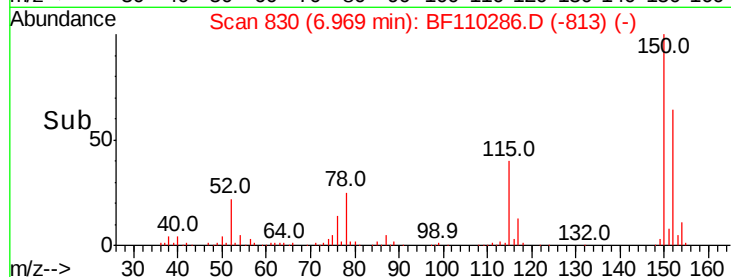
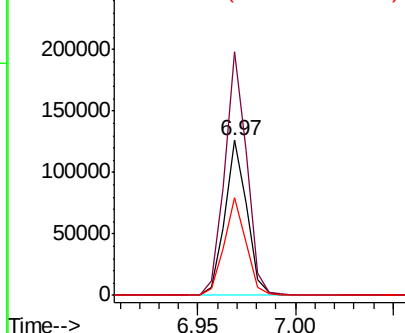


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

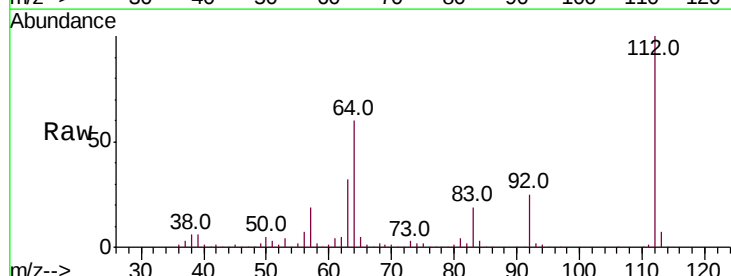
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.357 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	44.1	66.1
63	31.8	23.7	35.5

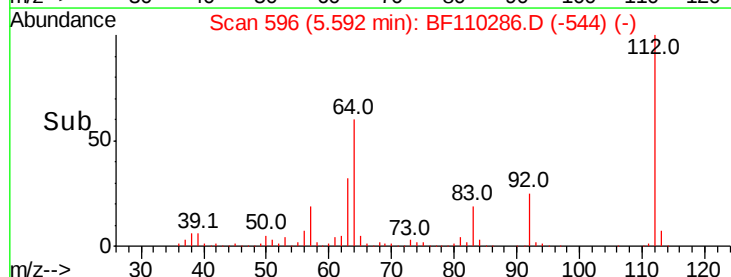
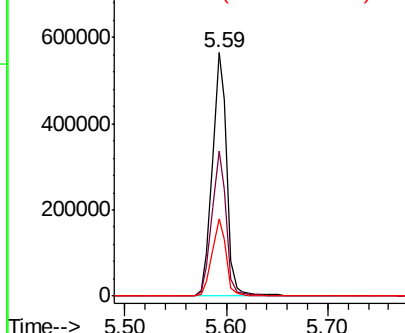


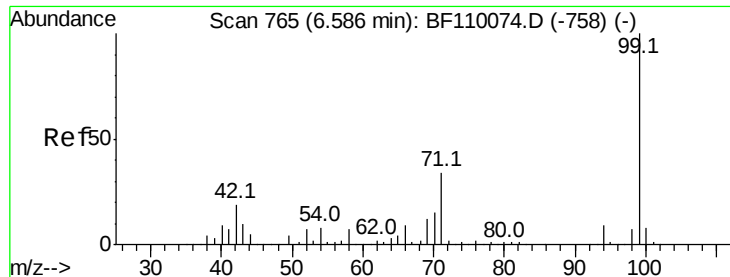
Abundance

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: 88.063 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Instrument :

BNA_F

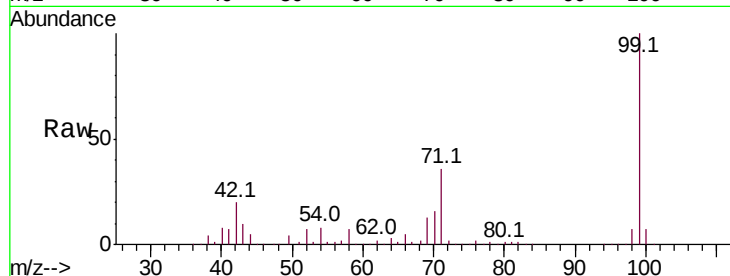
ClientSampleId :

DOCUMENTATION-25

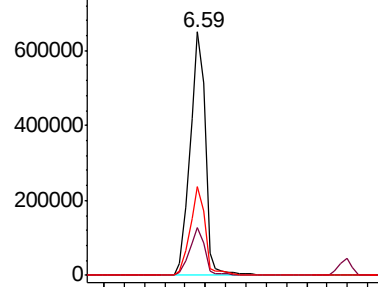
Tot Ion:	99	Resp:	680930
Ion Ratio	Lower	Upper	
99	100		
42	19.5	15.8	23.6
71	36.4	28.0	42.0

Manual Integrations
APPROVED

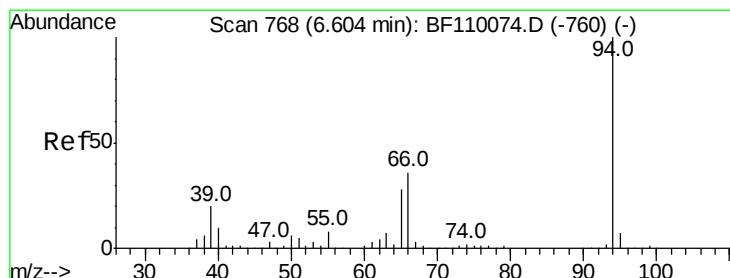
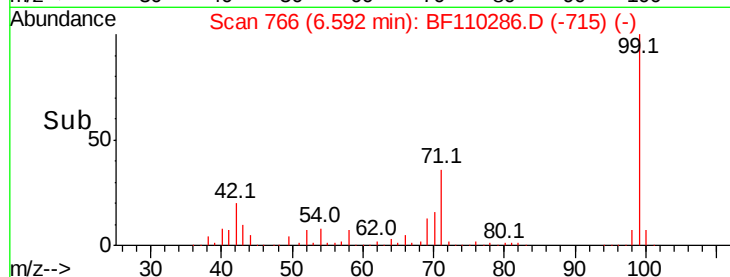
Sohil
10/30/2018 3:04:31 PM



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



Time-->



#10

Phenol

Concen: 6.056 ng

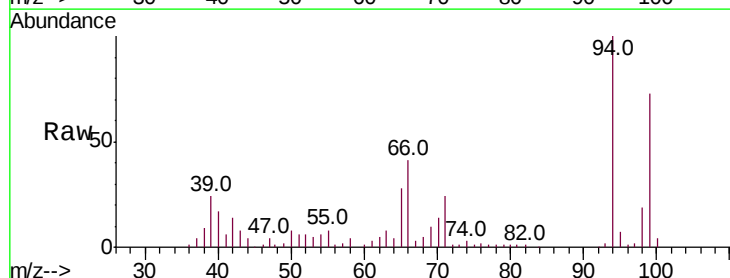
RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

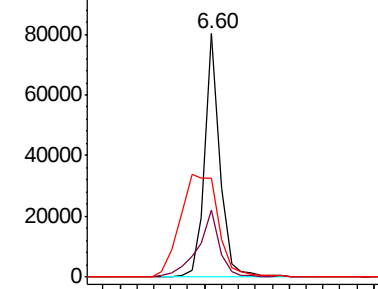
Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

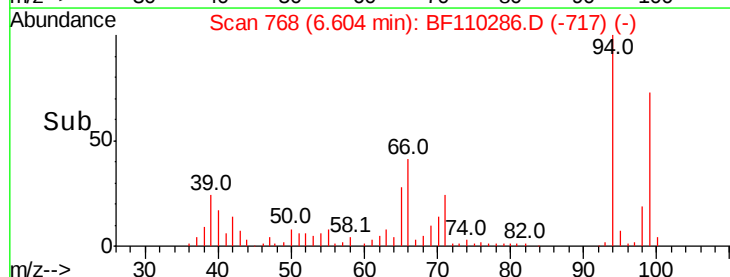
Tgt Ion:	94	Resp:	50053
Ion Ratio	Lower	Upper	
94	100		
65	27.7	25.3	65.3
66	40.9	54.5	94.5#

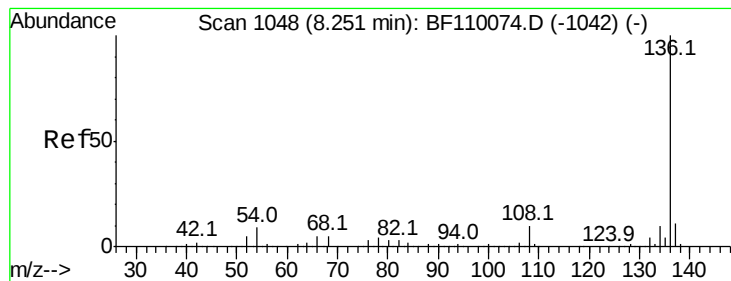


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Instrument :

BNA_F

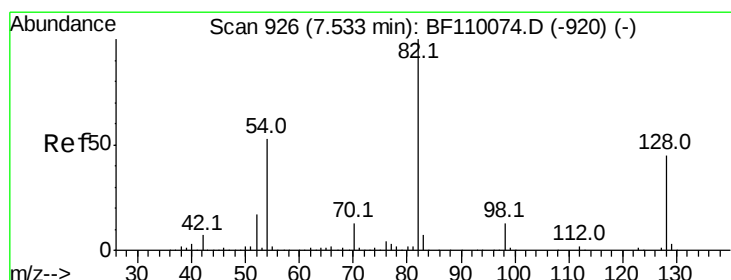
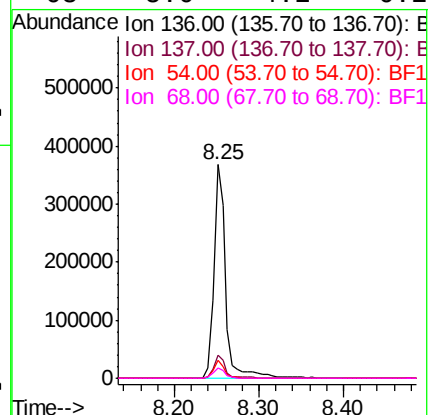
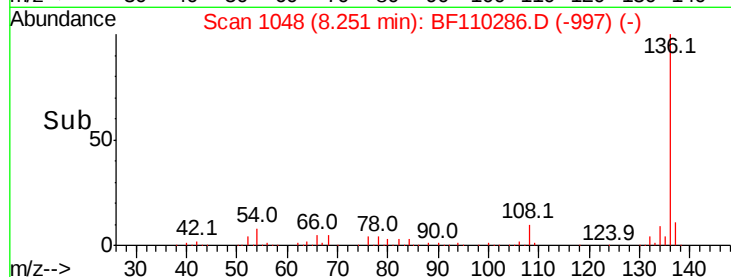
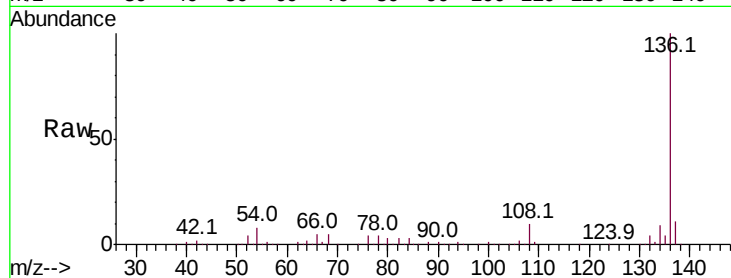
ClientSampleId :

DOCUMENTATION-25

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	5.4	8.2
68	5.0	4.2	6.2

Manual Integrations
APPROVED

Sohil
10/30/2018 3:04:31 PM



#23

Nitrobenzene-d5

Concen: 68.625 ng

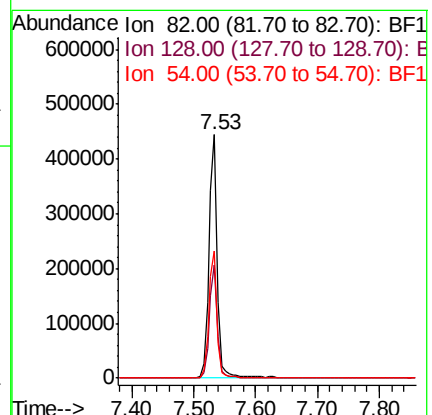
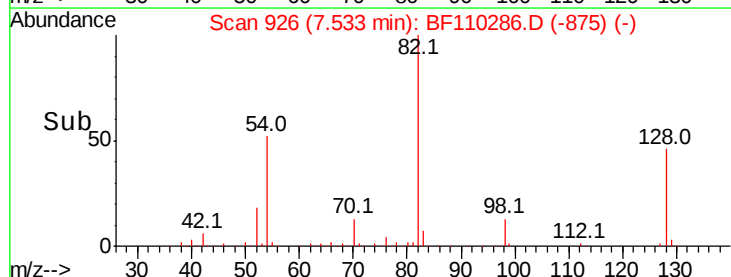
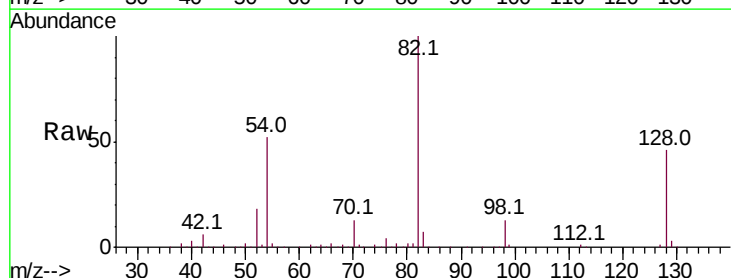
RT: 7.53 min Scan# 926

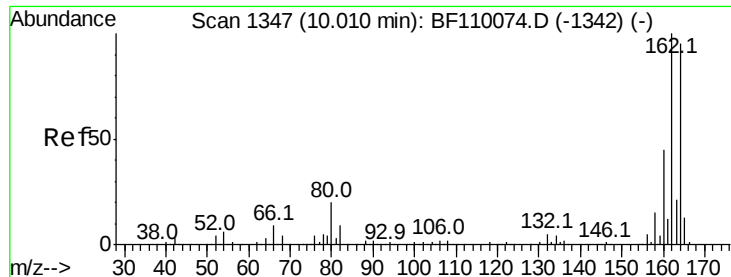
Delta R.T. -0.00 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.2	34.2	51.2
54	52.4	38.6	58.0





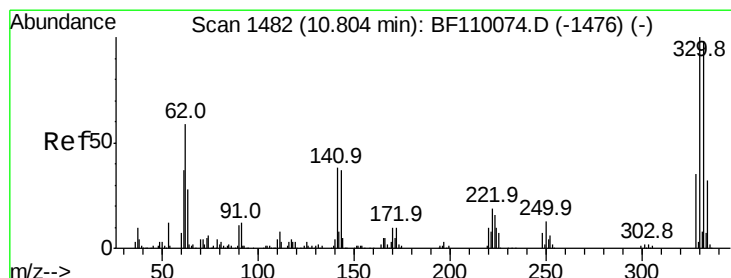
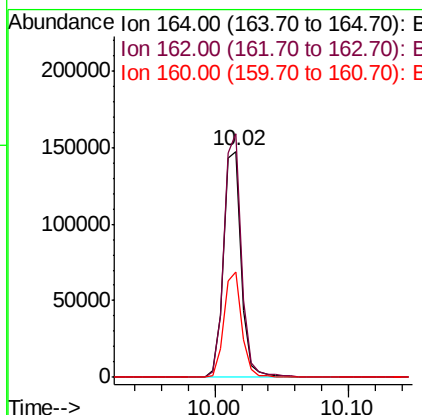
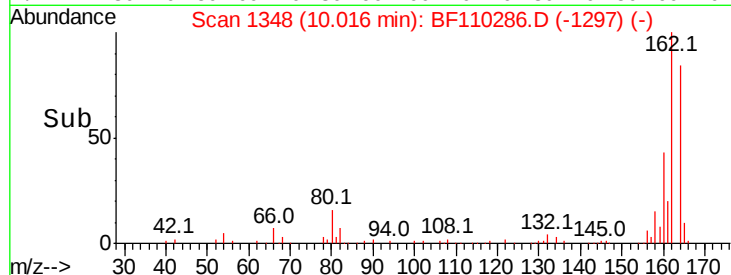
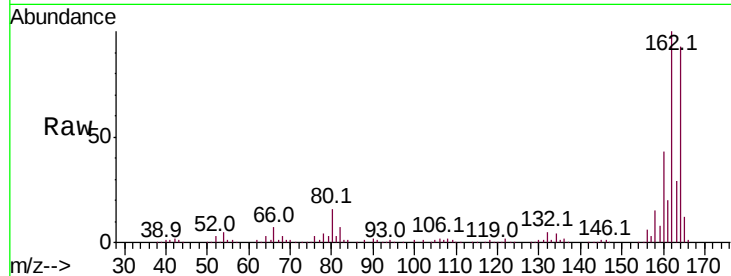
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.9	83.0	124.6
160	46.9	37.0	55.6

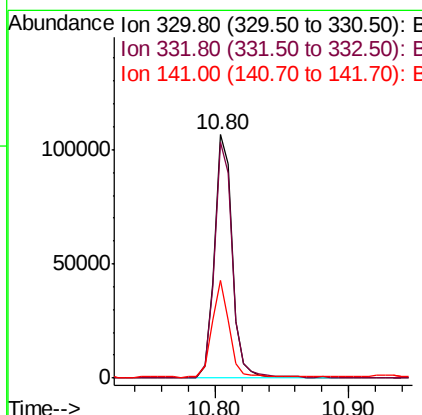
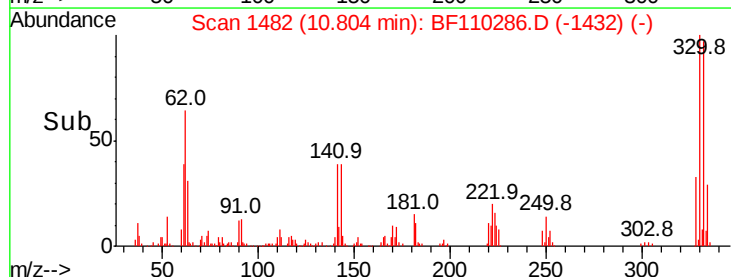
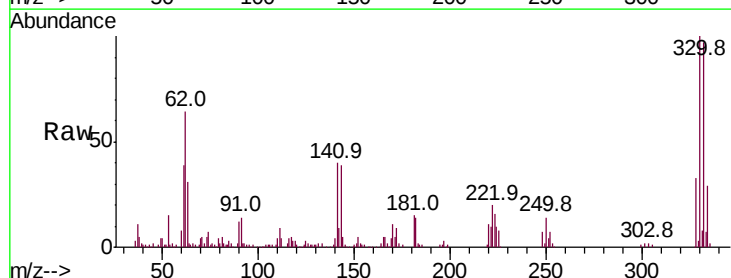
Manual Integrations
APPROVED

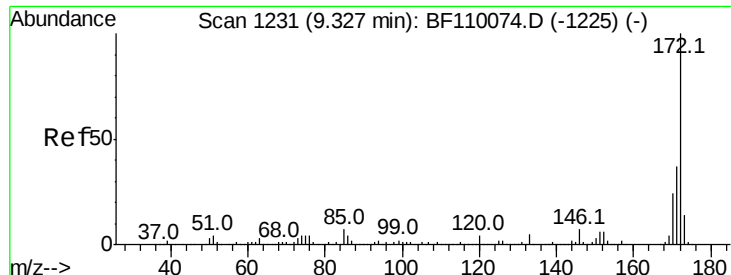
Sohil
10/30/2018 3:04:31 PM



#42
2,4,6-Tribromophenol
Concen: 73.143 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	37.9	27.0	40.4





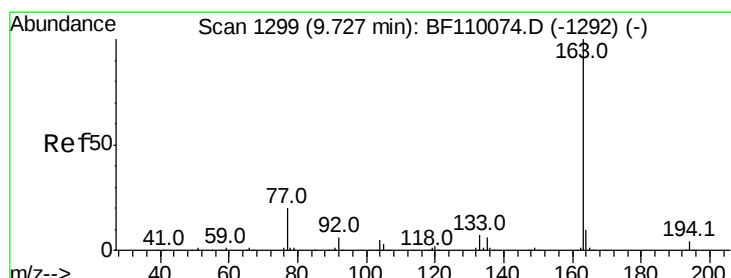
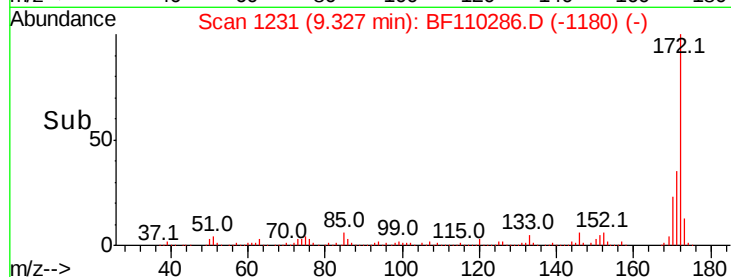
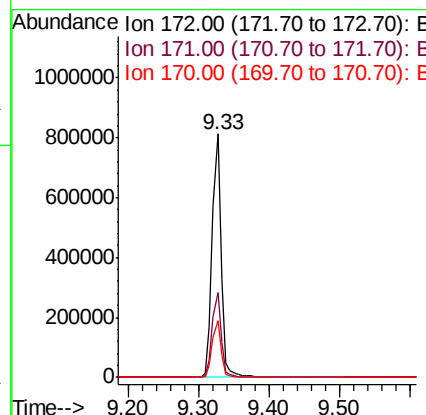
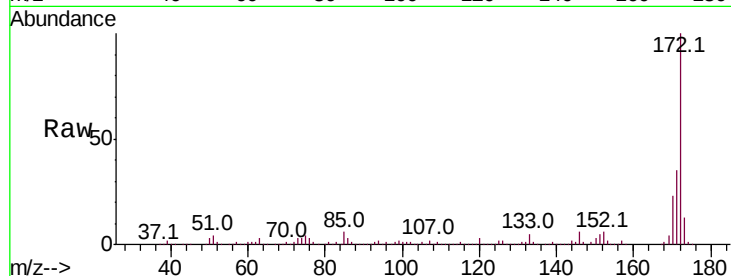
#45
2-Fluorobiphenyl
Concen: 80.382 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Resp	Lower	Upper
172	100	716114		
171	34.8		28.6	43.0
170	23.2		19.7	29.5

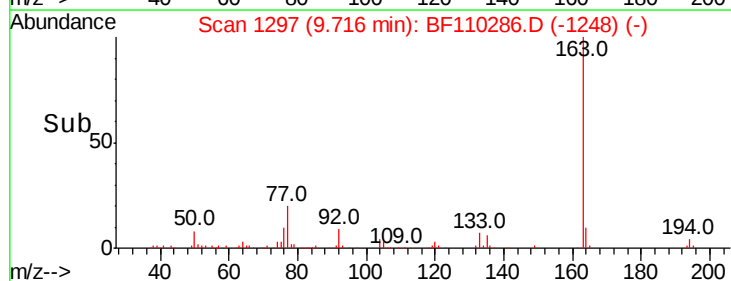
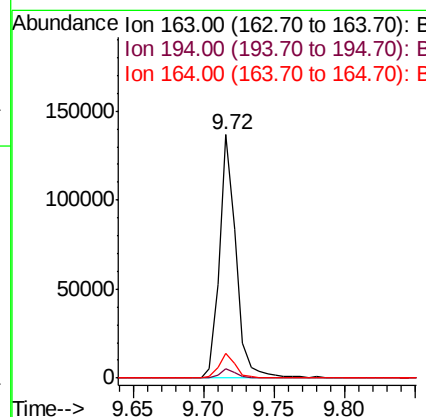
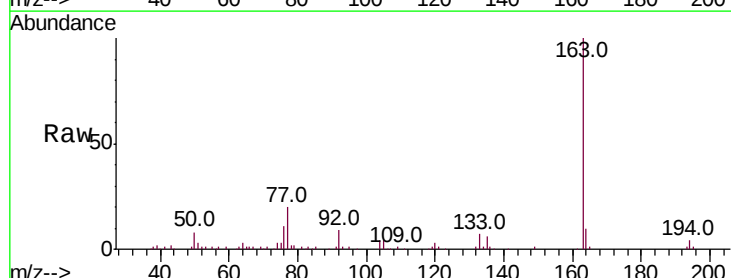
Manual Integrations
APPROVED

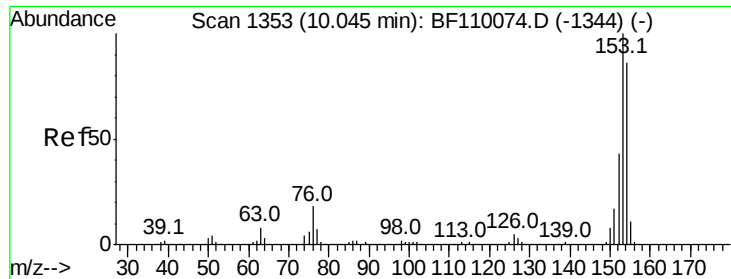
Sohil
10/30/2018 3:04:31 PM



#50
Dimethylphthalate
Concen: 10.851 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	112057		
194	3.7		3.2	4.8
164	9.9		8.1	12.1





#52

Acenaphthene

Concen: 3.621 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Instrument :

BNA_F

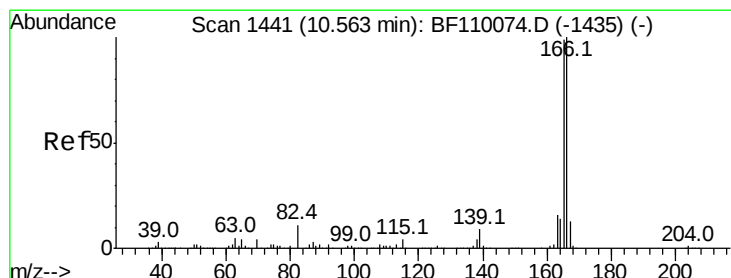
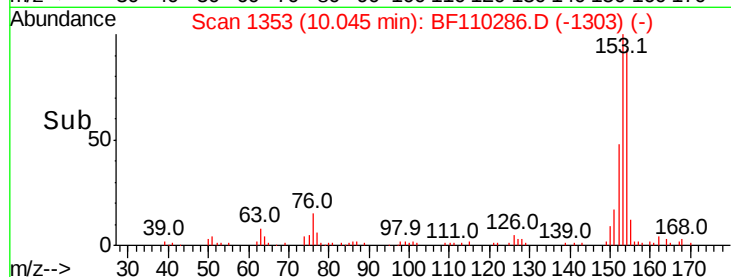
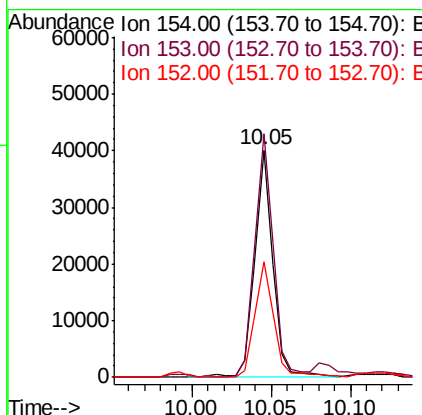
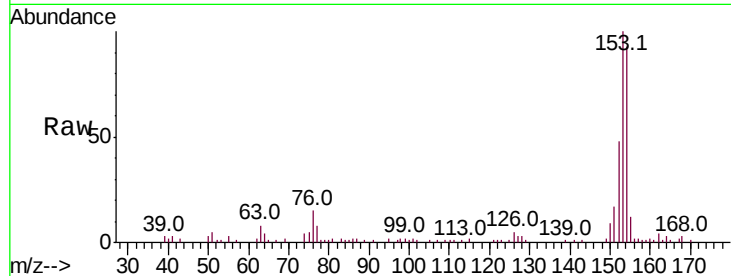
ClientSampleId :

DOCUMENTATION-25

Tot Ion:	154	Resp:	32110
Ion Ratio	Lower	Upper	
154	100		
153	107.0	90.1	135.1
152	50.9	43.4	65.2

Manual Integrations
APPROVED

Sohil
10/30/2018 3:04:31 PM



#58

Fluorene

Concen: 3.842 ng

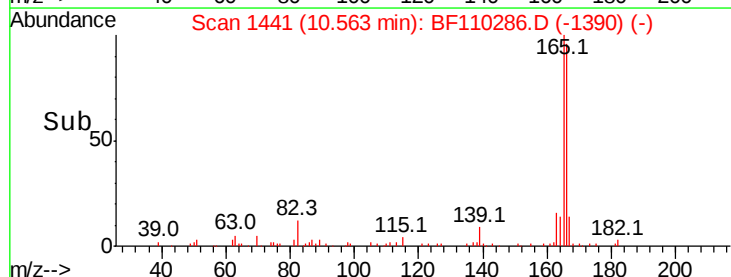
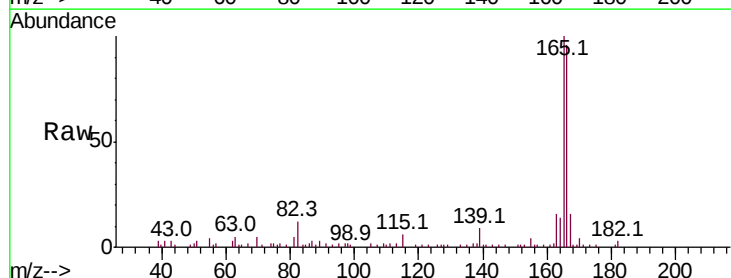
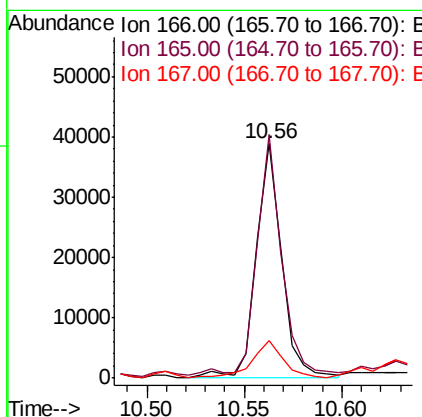
RT: 10.56 min Scan# 1441

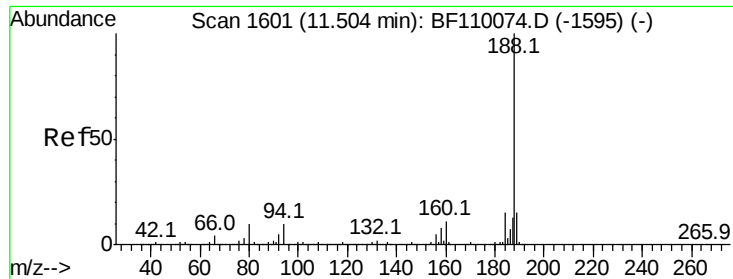
Delta R.T. -0.00 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Tgt Ion:	166	Resp:	35495
Ion Ratio	Lower	Upper	
166	100		
165	104.0	78.6	117.8
167	16.3	10.8	16.2#





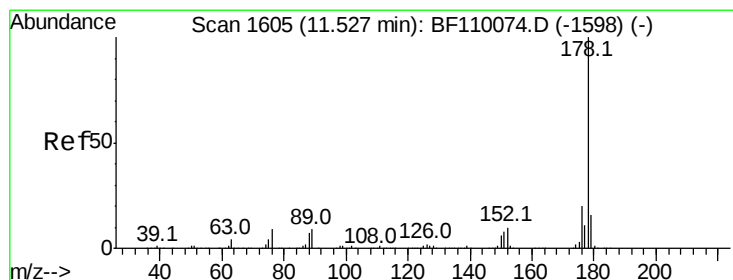
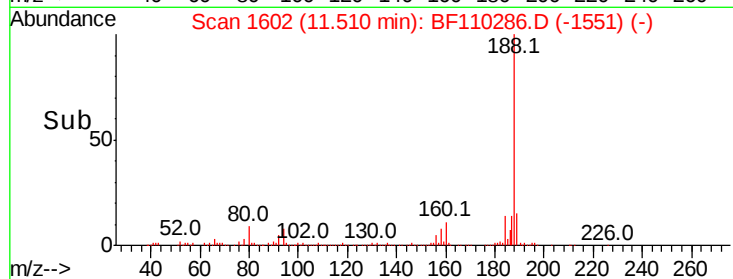
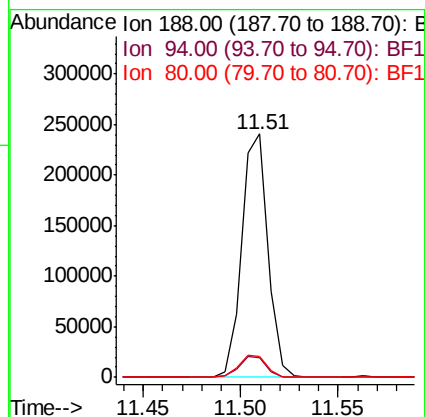
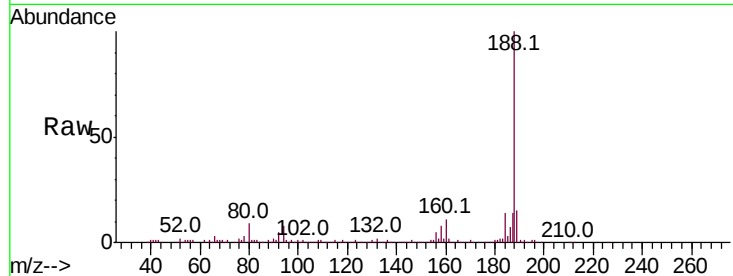
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.1	7.2	10.8
80	8.5	7.9	11.9

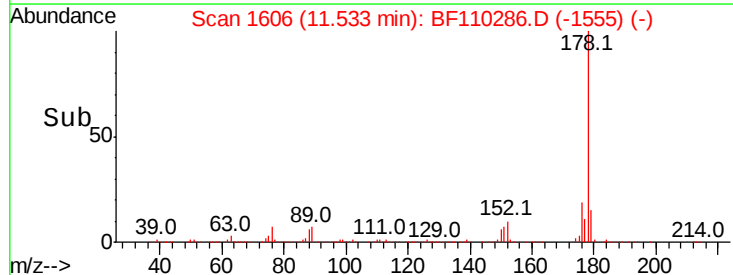
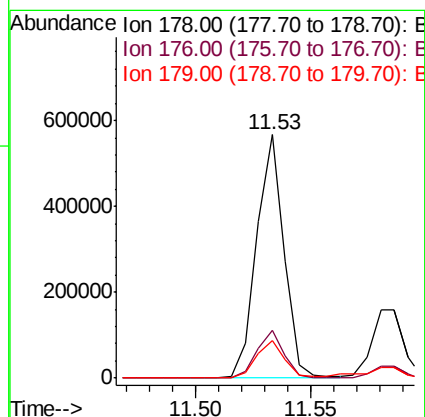
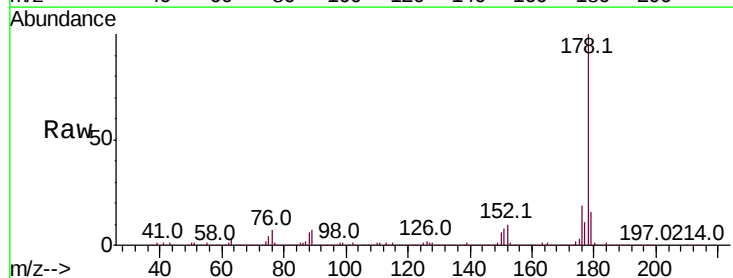
Manual Integrations
APPROVED

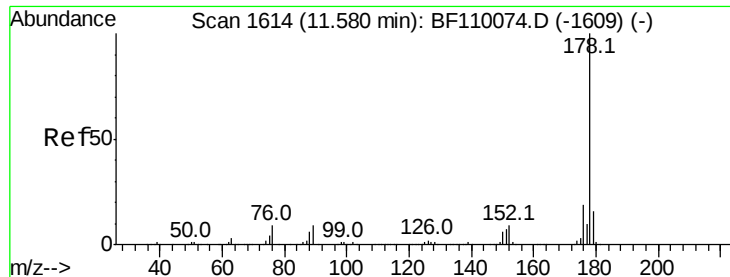
Sohil
10/30/2018 3:04:31 PM



#71
Phenanthrene
Concen: 40.280 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	12.5	18.7





#72

Anthracene

Concen: 12.354 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Instrument :

BNA_F

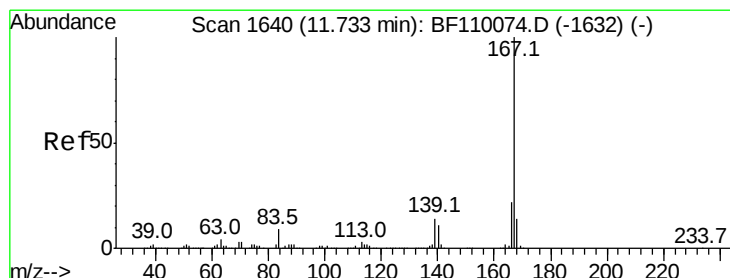
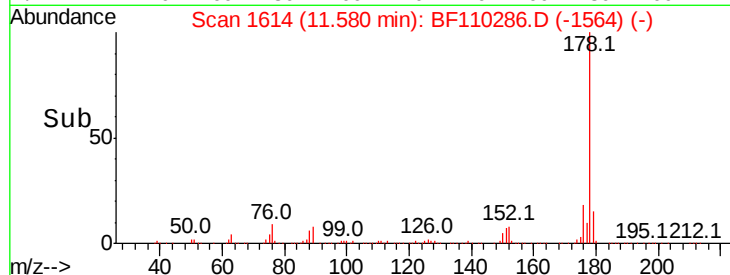
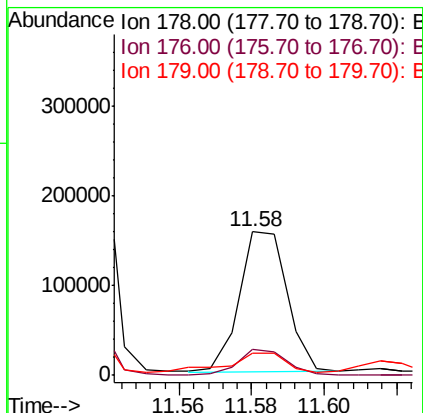
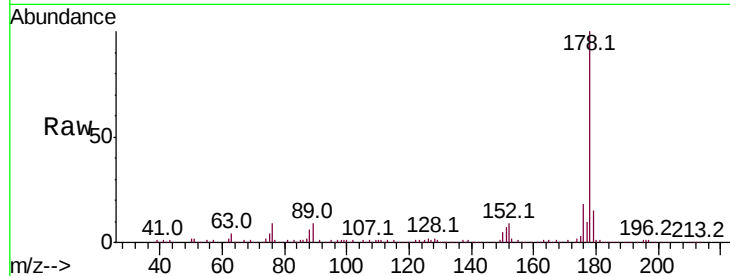
ClientSampleId :

DOCUMENTATION-25

Tot Ion:	178	Resp:	144630
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	18.8

Manual Integrations
APPROVED

Sohil
10/30/2018 3:04:31 PM



#73

Carbazole

Concen: 3.693 ng

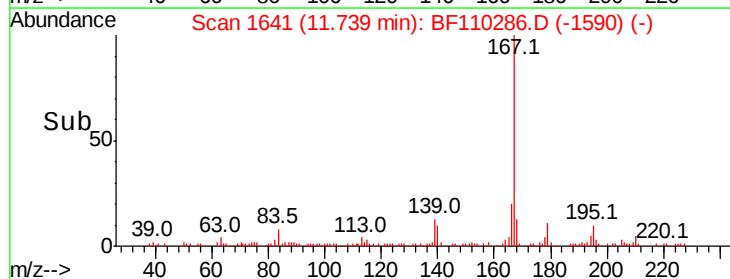
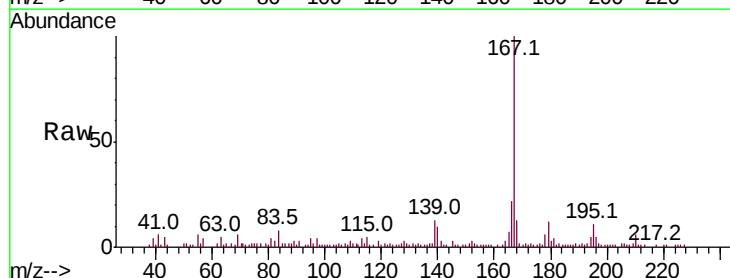
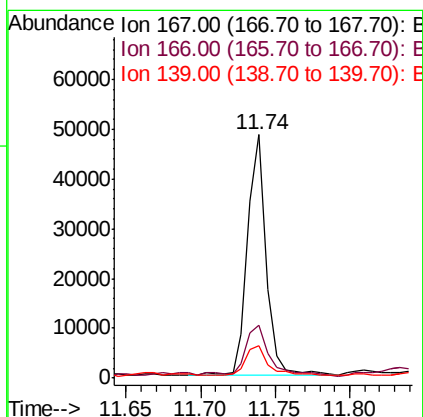
RT: 11.74 min Scan# 1641

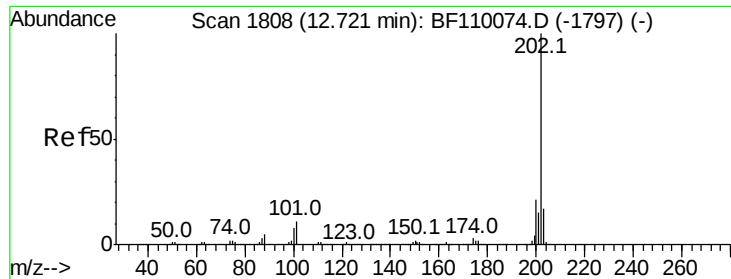
Delta R.T. 0.00 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Tgt Ion:	167	Resp:	42216
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.4	26.0
139	13.4	10.9	16.3





#75

Fluoranthene

Concen: 53.681 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Instrument :

BNA_F

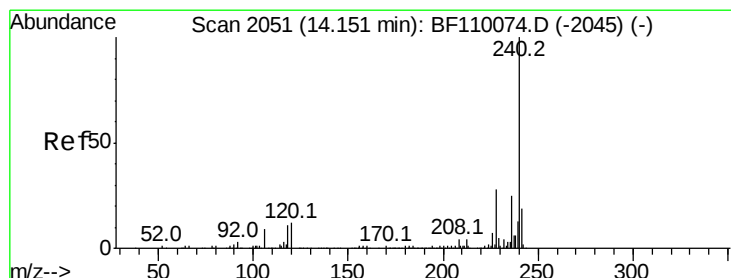
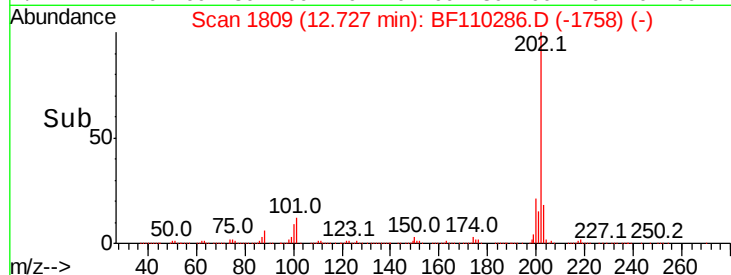
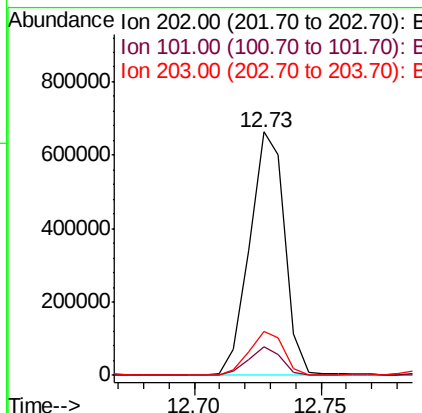
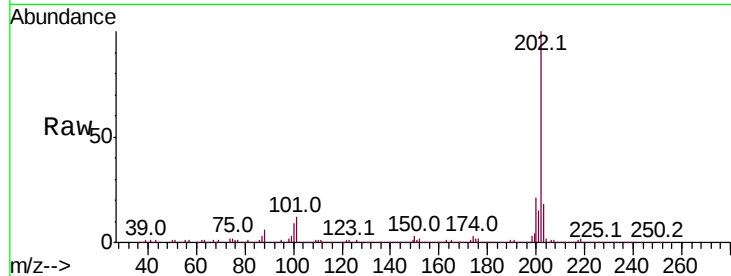
ClientSampleId :

DOCUMENTATION-25

Tot Ion	Ratio	Resp	Lower	Upper
202	100	636339		
101	11.9	0.0	31.4	
203	18.2	0.0	37.7	

Manual Integrations
APPROVED

Sohil
10/30/2018 3:04:31 PM



#76

Chrysene-d12

Concen: 20.000 ng

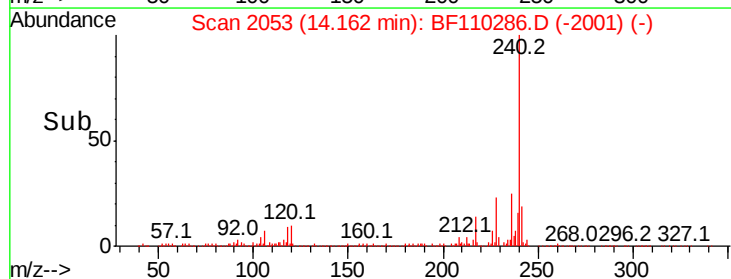
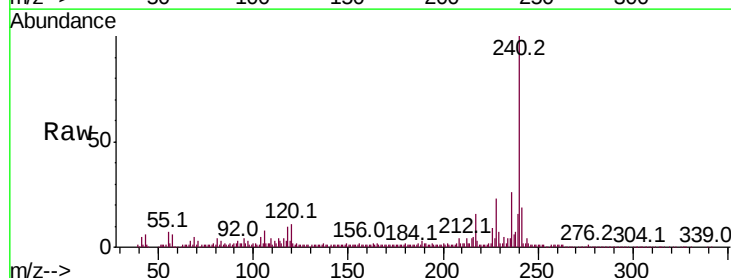
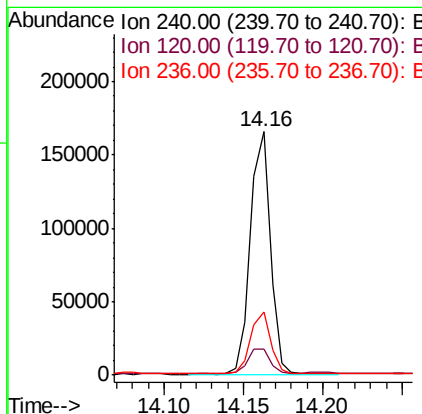
RT: 14.16 min Scan# 2053

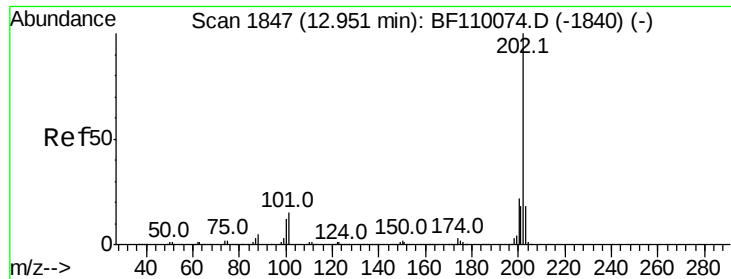
Delta R.T. 0.01 min

Lab File: BF110286.D

Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	145453		
120	10.6	8.3	12.5	
236	25.9	21.2	31.8	





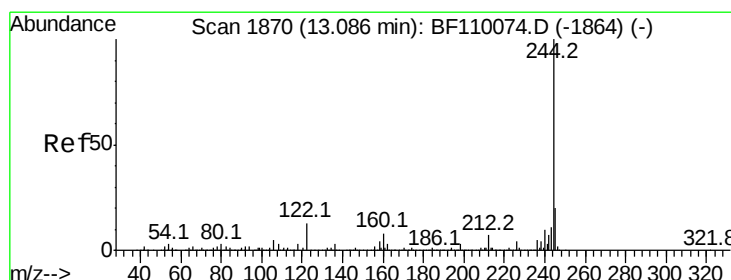
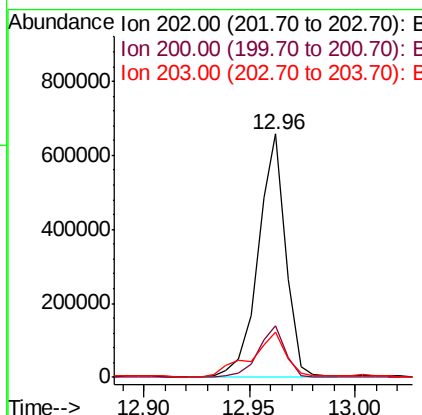
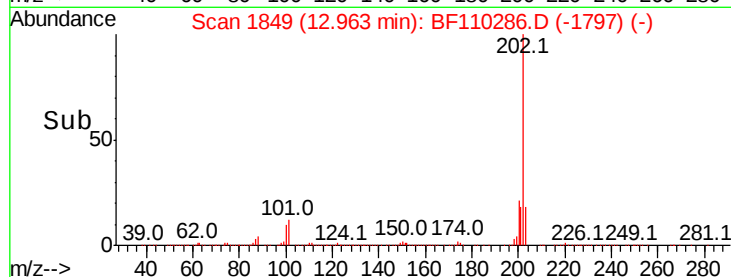
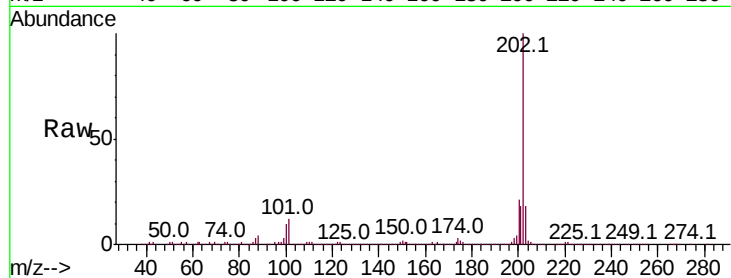
#78
Pvrene
Concen: 56.651 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.8	26.6
203	18.4	14.2	21.4

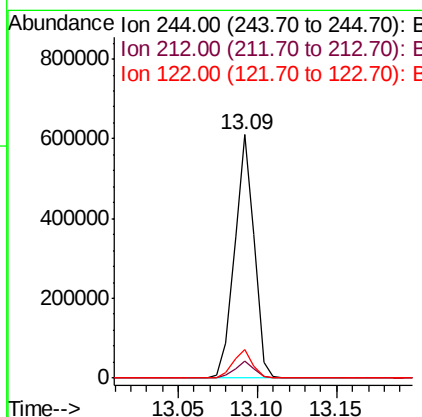
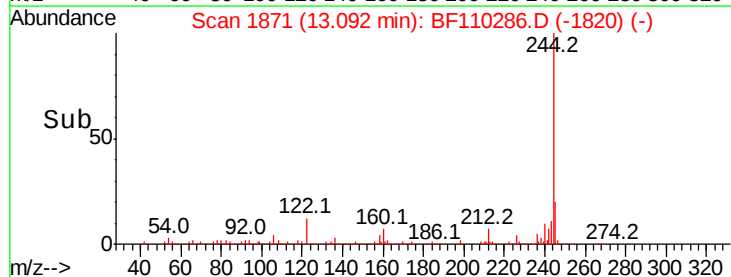
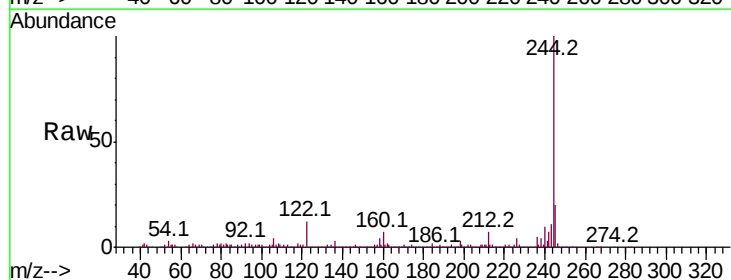
Manual Integrations
APPROVED

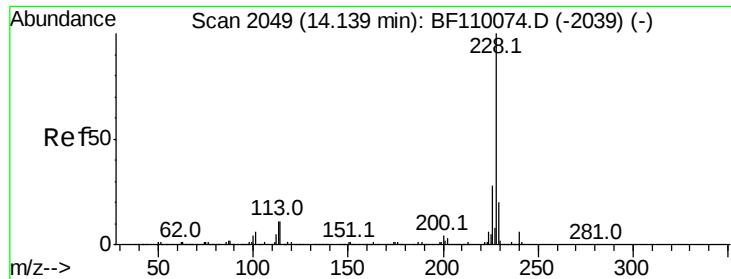
Sohil
10/30/2018 3:04:31 PM



#79
Terphenyl-d14
Concen: 74.170 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.6	8.7	13.1





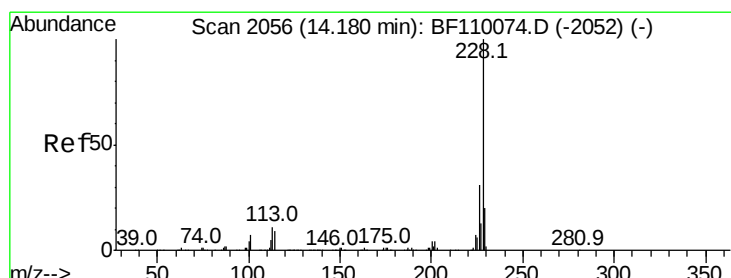
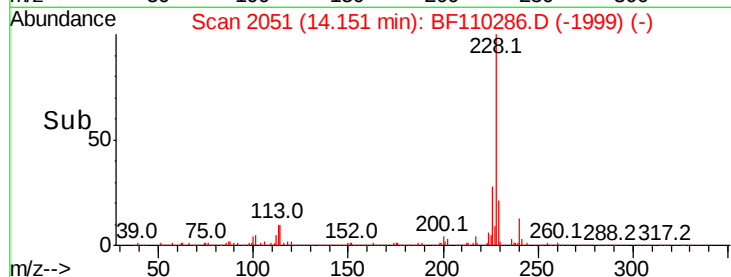
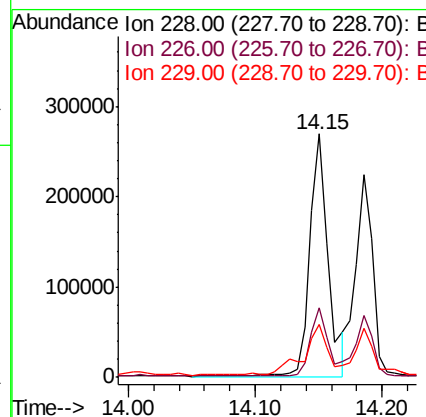
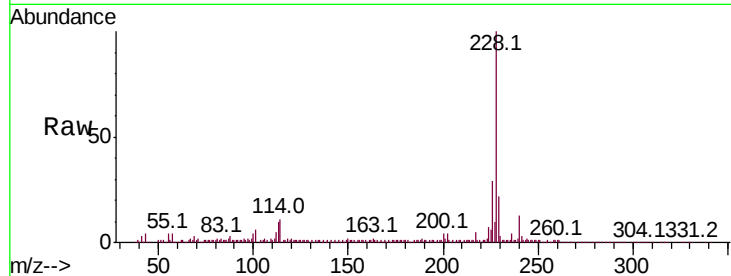
#81
Benzo(a)anthracene
Concen: 31.403 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	21.7	15.6	23.4

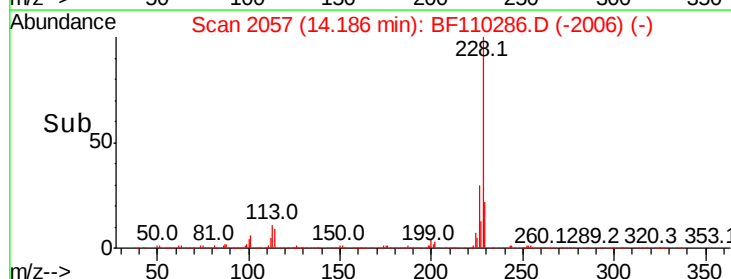
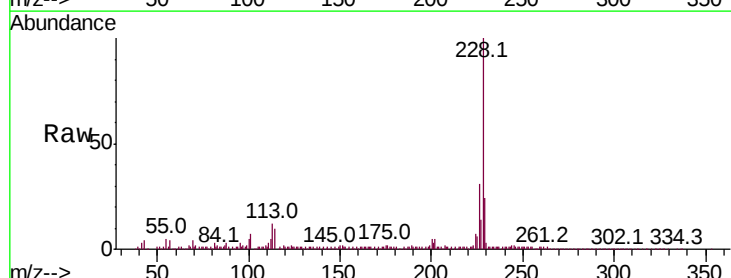
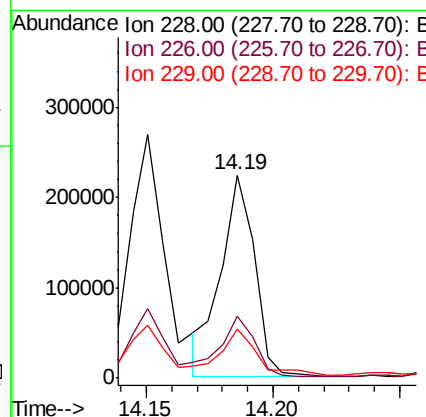
Manual Integrations
APPROVED

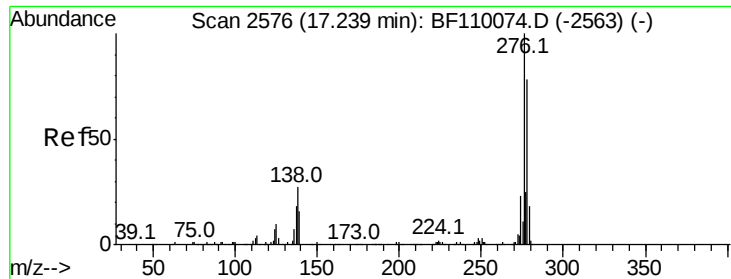
Sohil
10/30/2018 3:04:31 PM



#83
Chrysene
Concen: 25.568 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	23.9	15.9	23.9





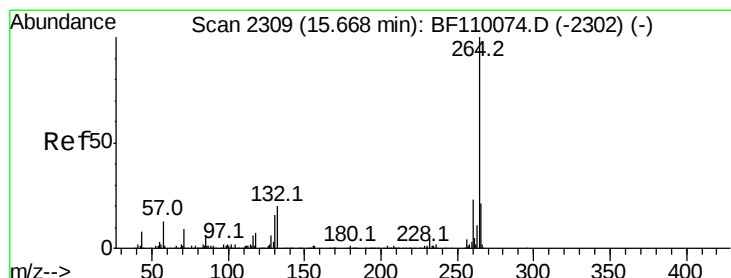
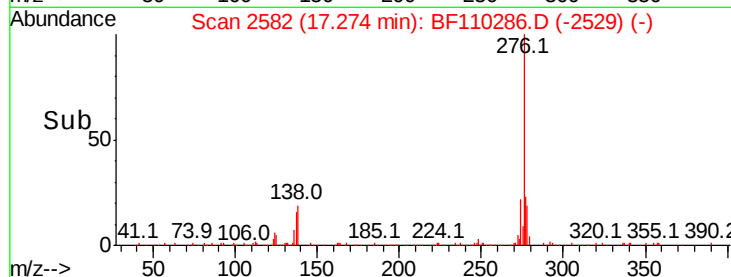
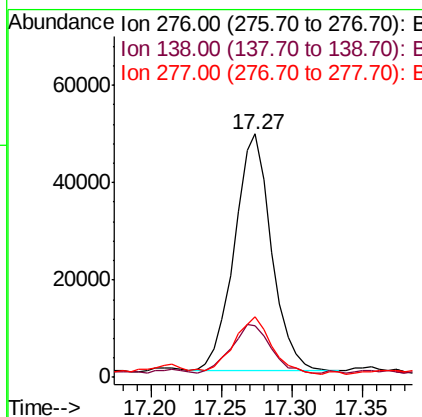
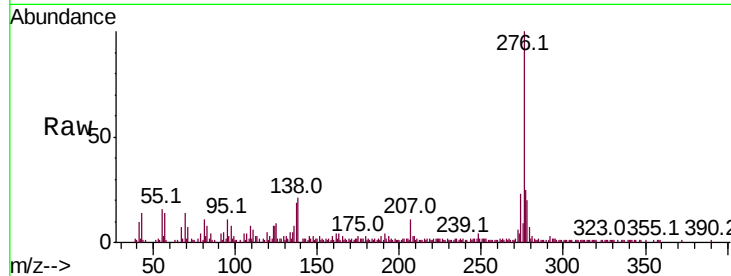
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.091 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.5	27.7
277	24.6	20.0	30.0

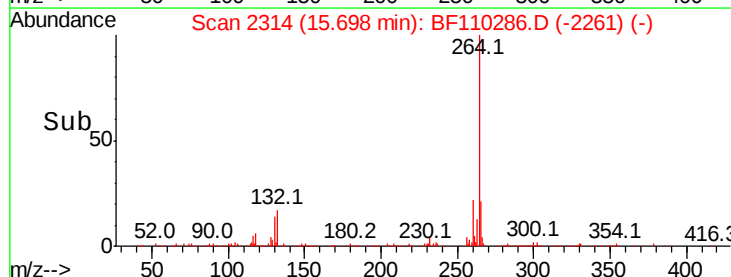
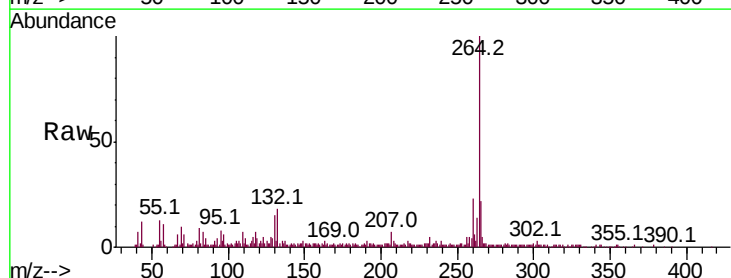
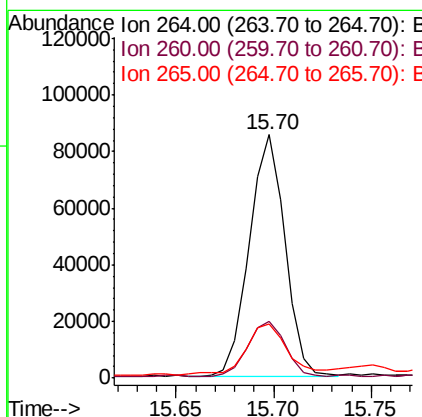
Manual Integrations
APPROVED

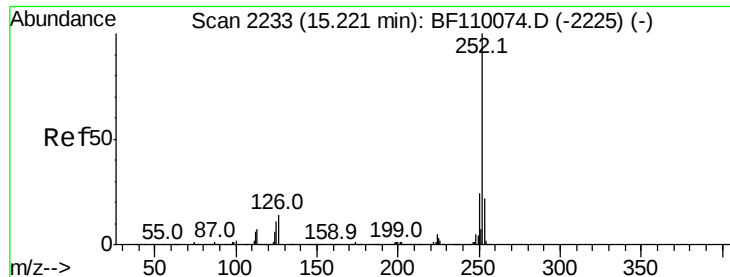
Sohil
10/30/2018 3:04:31 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	22.2	16.7	25.1





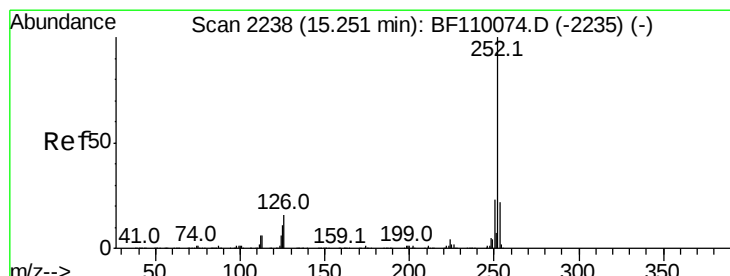
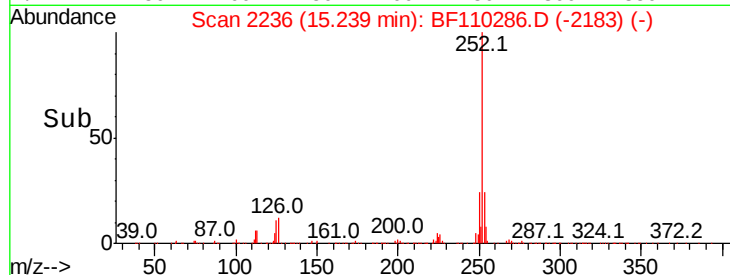
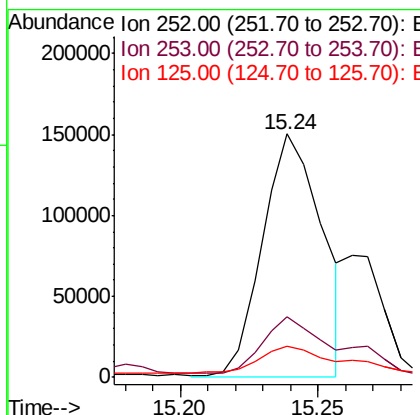
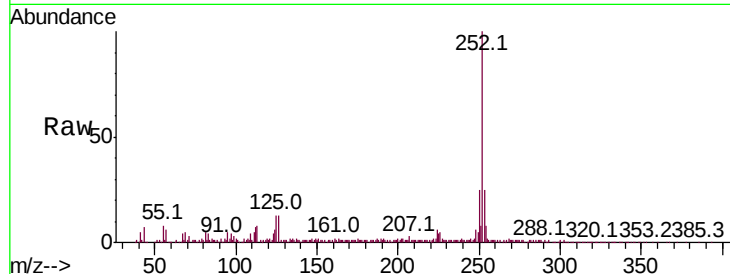
#88
Benzo(b)fluoranthene
Concen: 36.322 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	12.7	8.2	12.4

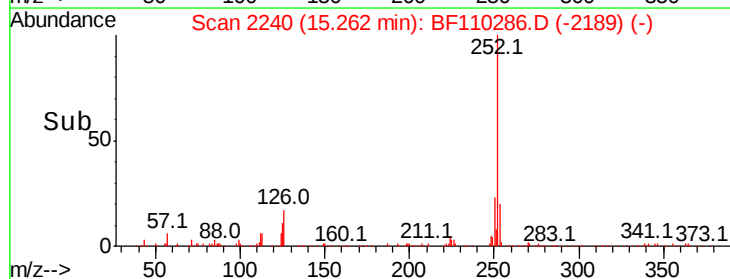
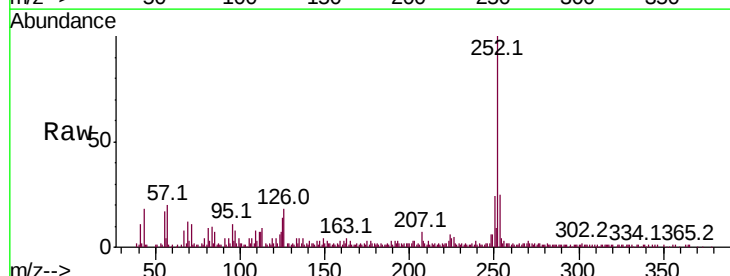
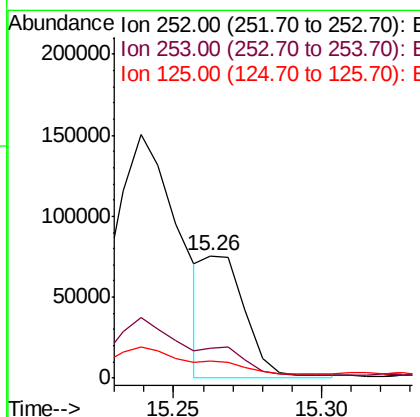
Manual Integrations
APPROVED

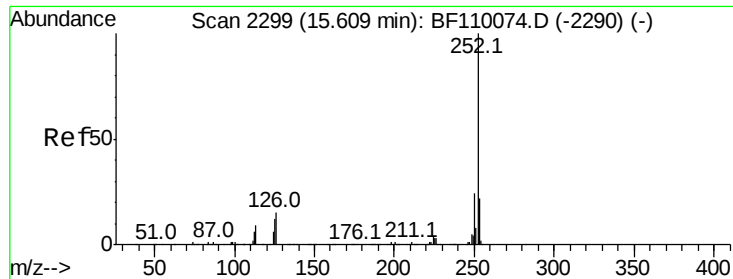
Sohil
10/30/2018 3:04:31 PM



#89
Benzo(k)fluoranthene
Concen: 12.229 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	14.4	7.4	11.0





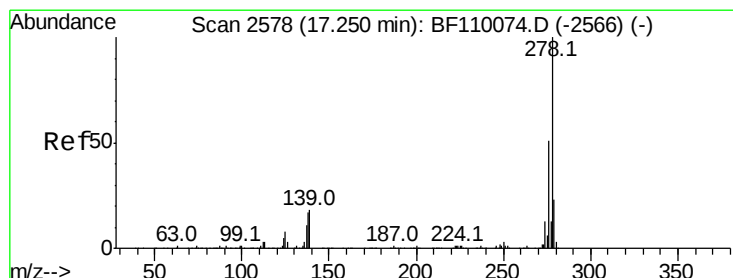
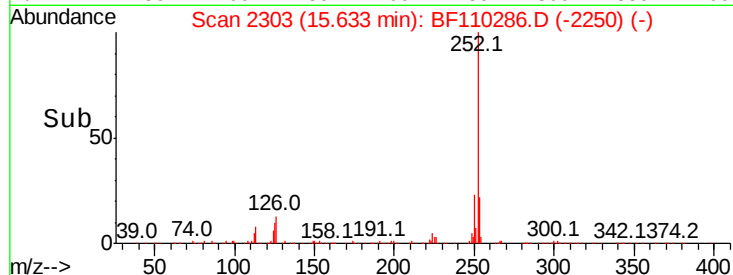
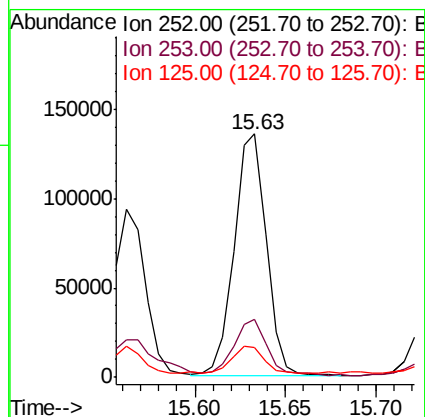
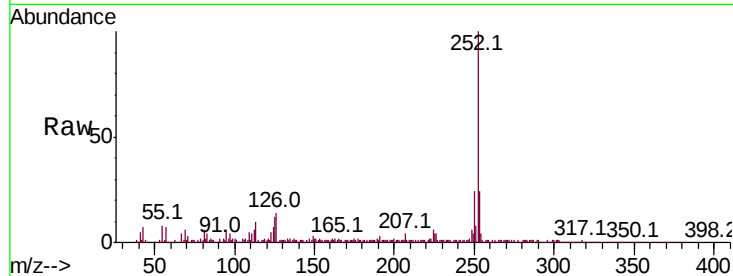
#90
Benzo(a)pyrene
Concen: 28.807 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	12.2	9.0	13.6

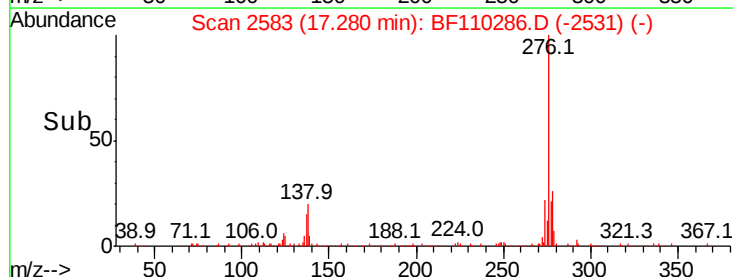
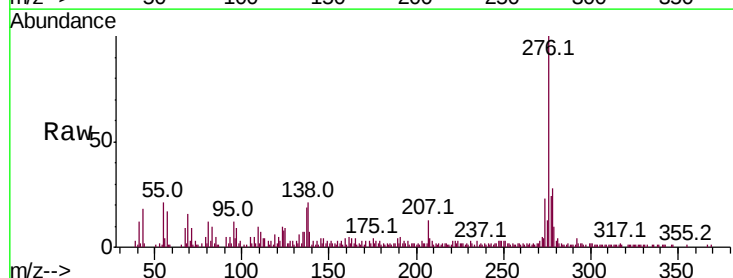
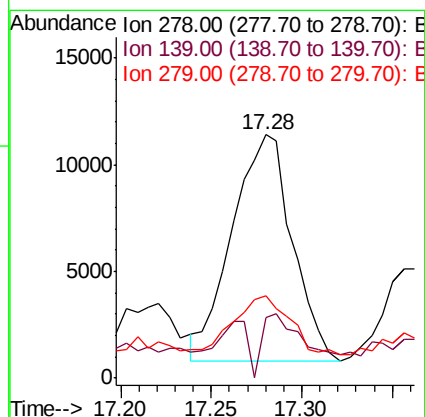
Manual Integrations
APPROVED

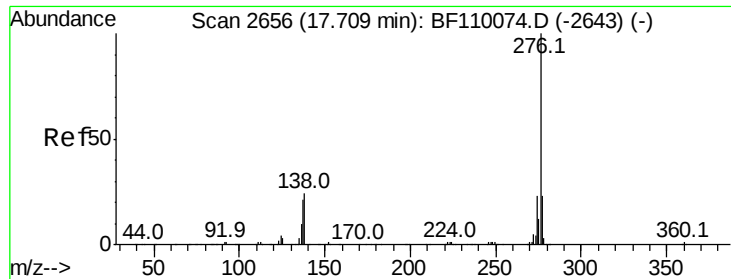
Sohil
10/30/2018 3:04:31 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.903 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.01 min
Lab File: BF110286.D
Acq: 30 Oct 2018 2:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	12.7	19.1#
279	34.0	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 18.722 ng
 RT: 17.76 min Scan# 2664
 Delta R.T. 0.02 min
 Lab File: BF110286.D
 Acq: 30 Oct 2018 2:15

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-25

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	23.9	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/30/2018 3:04:31 PM

