

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
 Data File : BF111795.D
 Acq On : 28 Dec 2018 18:12
 Operator : JU/SJ
 Sample : J6195-13 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-122618-B

Manual Integrations
 APPROVED

Sohil
 1/2/2019 2:51:41 PM

Quant Time: Dec 29 01:55:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	152413	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	532551	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	222869	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	351550	20.00	ng	0.01
76) Chrysene-d12	14.07	240	314821	20.00	ng	0.02
87) Perylene-d12	15.56	264	223010	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	419050	46.87	ng	0.02
7) Phenol-d6	6.55	99	537072	47.20	ng	0.02
23) Nitrobenzene-d5	7.46	82	325850	35.62	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	113500	43.10	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	568855	37.20	ng	0.00
79) Terphenyl-d14	13.01	244	492018	29.64	ng	0.01
Target Compounds						
10) Phenol	6.55	94	38766	3.019	ng	Qvalue 91
15) Benzyl Alcohol	7.03	79	29305	3.243	ng	91
50) Dimethylphthalate	9.65	163	100815	6.186	ng	97
52) Acenaphthene	9.97	154	28099	2.093	ng	97
58) Fluorene	10.49	166	45744	3.130	ng	95
71) Phenanthrene	11.45	178	442424	23.730	ng	95
72) Anthracene	11.50	178	116424	6.221	ng	94
75) Fluoranthene	12.64	202	531150	28.133	ng	95
78) Pyrene	12.87	202	431919	19.428	ng	94
81) Benzo(a)anthracene	14.06	228	201918	11.238	ng	99
83) Chrysene	14.09	228	178470	10.107	ng	98
86) Indeno(1,2,3-cd)pyrene	17.06	276	60492	4.030	ng	# 82
88) Benzo(b)fluoranthene	15.13	252	177546m	13.622	ng	
89) Benzo(k)fluoranthene	15.15	252	46525m	3.749	ng	
90) Benzo(a)pyrene	15.50	252	107656	9.092	ng	97
92) Benzo(g,h,i)perylene	17.52	276	53824	5.316	ng	# 85

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

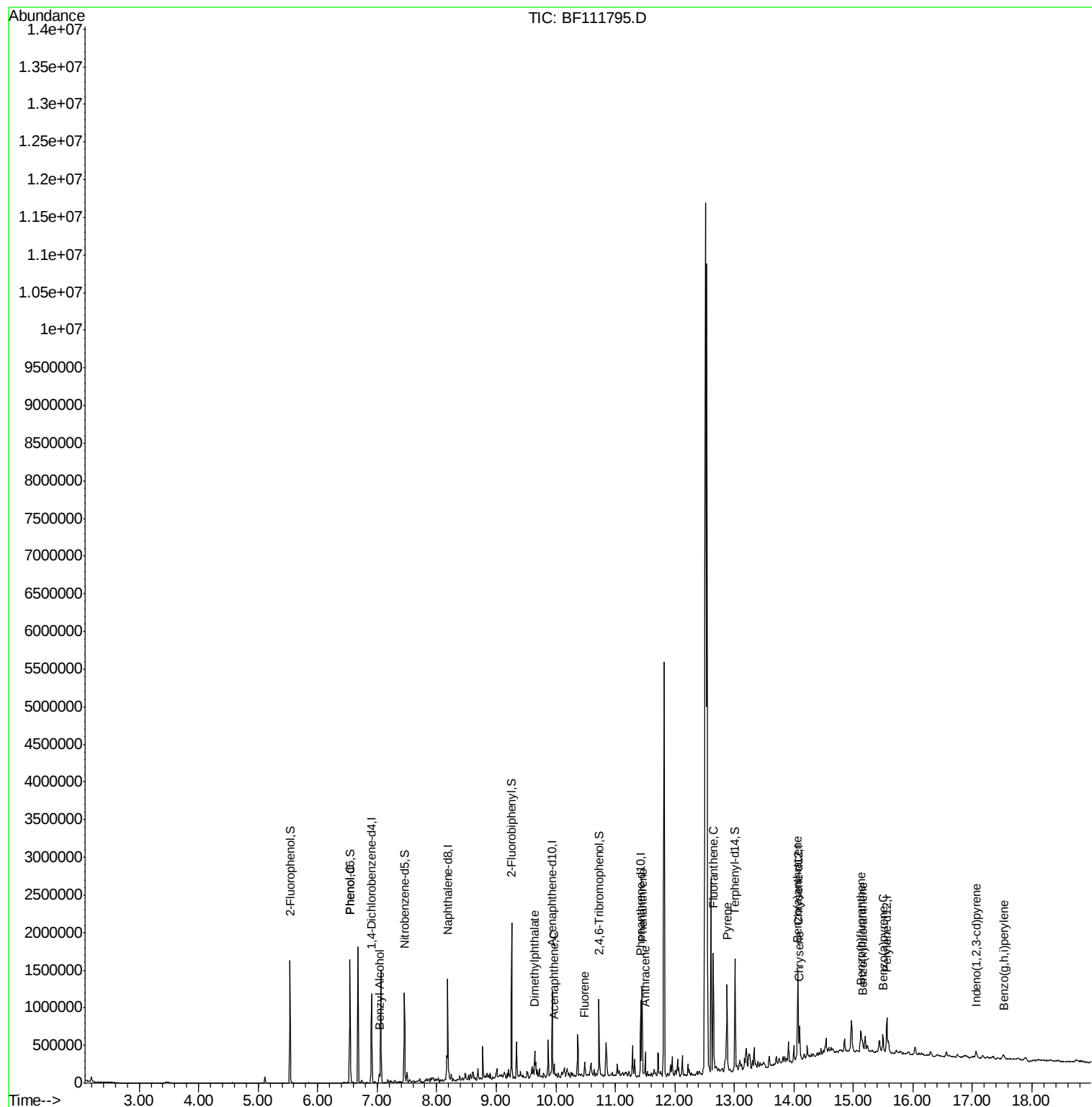
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111795.D
Acq On : 28 Dec 2018 18:12
Operator : JU/SJ
Sample : J6195-13 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:41 PM

Quant Time: Dec 29 01:55:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration





#1

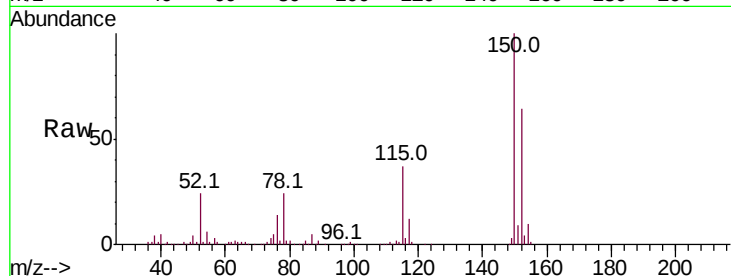
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.6	189.8
115	58.0	50.7	76.1

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:41 PM

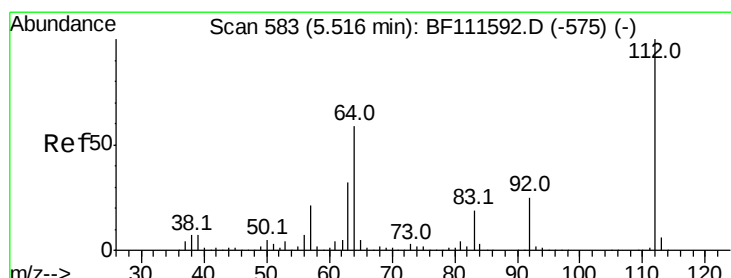
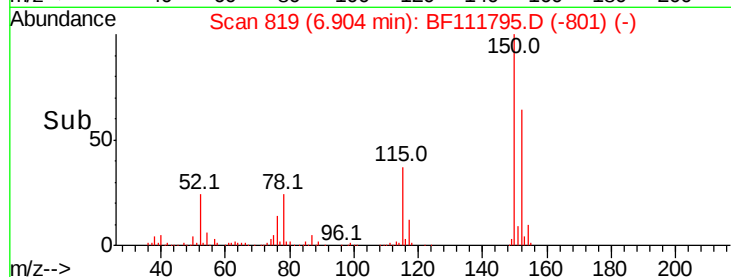
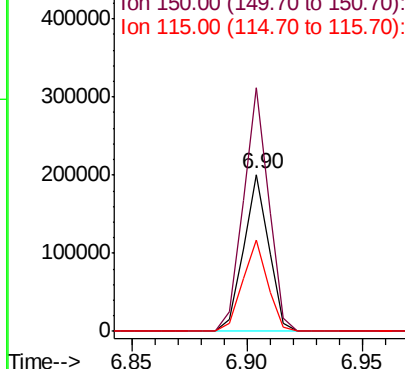


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

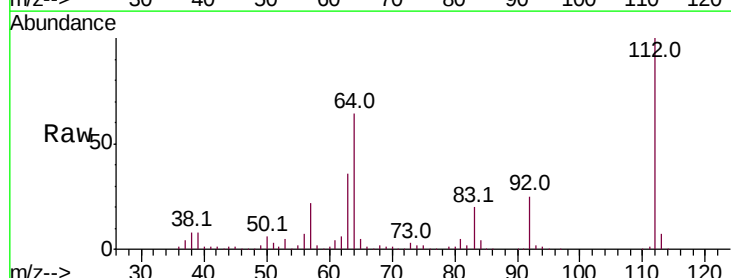
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.865 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	51.8	77.6
63	35.9	26.8	40.2

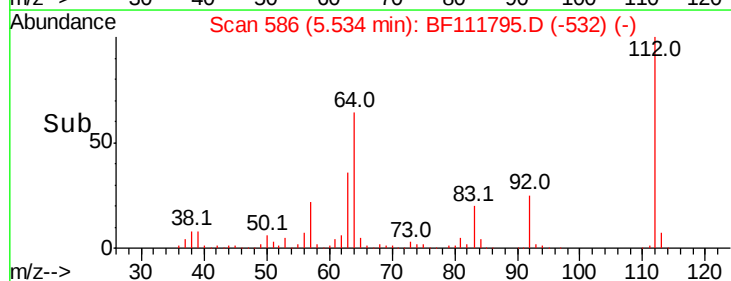
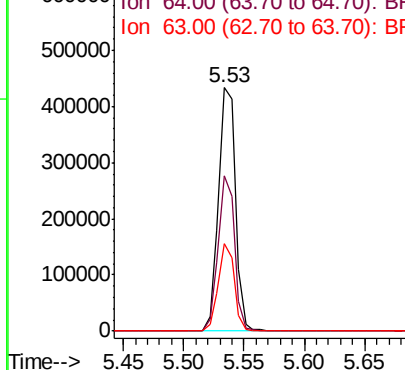


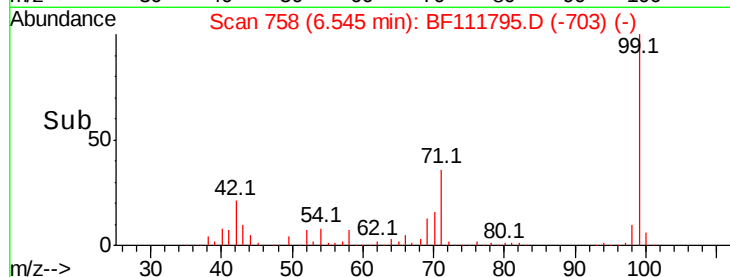
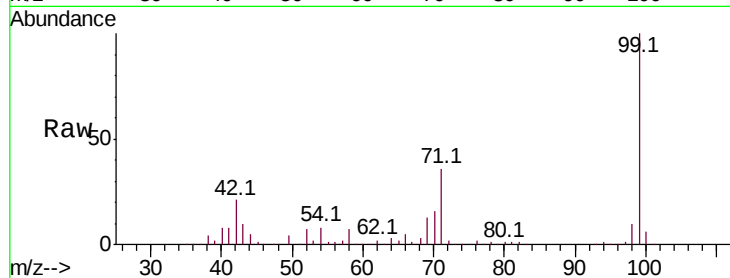
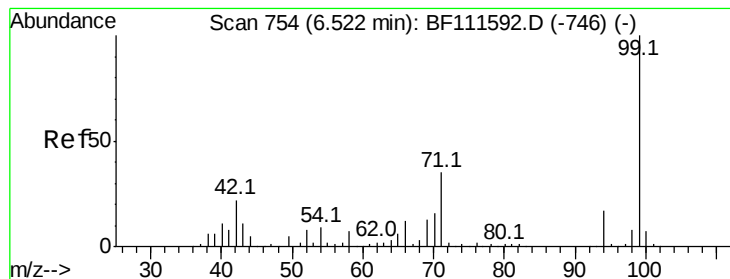
Abundance

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: 47.196 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Tot Ion	99	Resp	537072
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.4	26.0
71	35.7	26.1	39.1

Instrument :

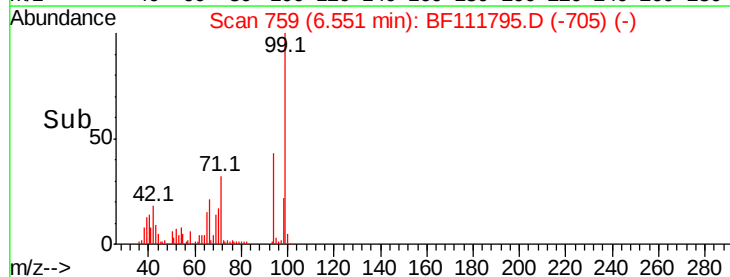
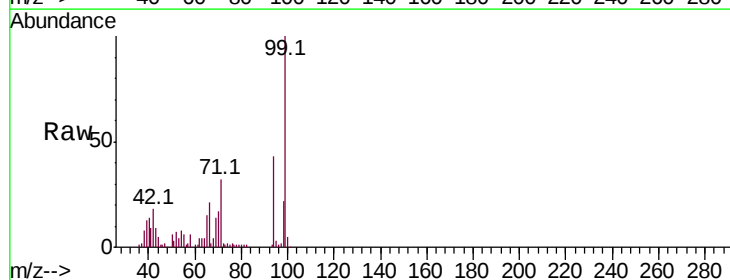
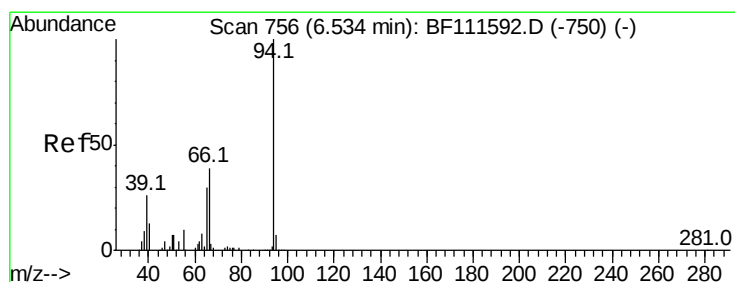
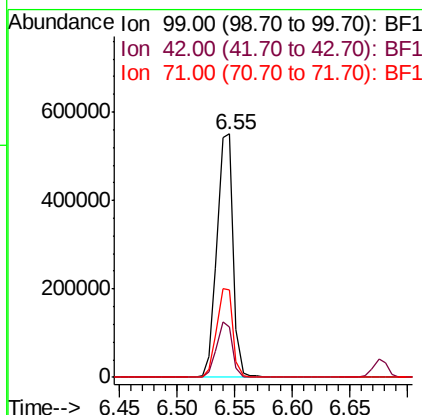
BNA_F

ClientSampleId :

OR-01-122618-B

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:41 PM



#10

Phenol

Concen: 3.019 ng

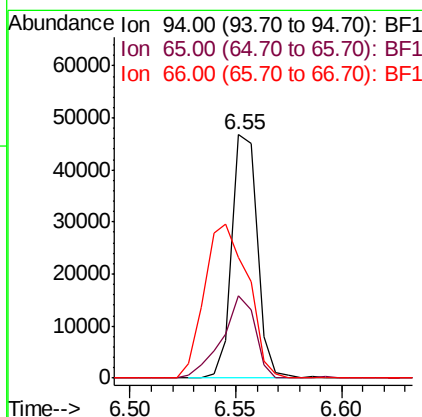
RT: 6.55 min Scan# 759

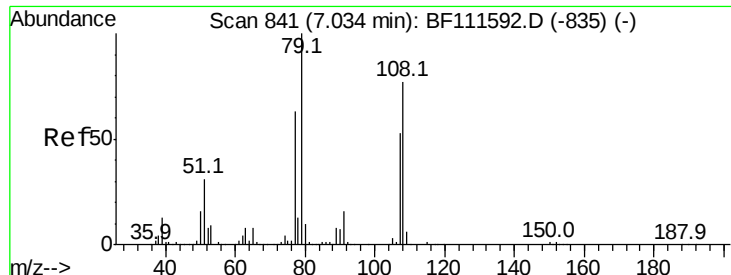
Delta R.T. 0.02 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Tgt Ion	94	Resp	38766
Ion	Ratio	Lower	Upper
94	100		
65	33.7	11.7	51.7
66	49.5	21.0	61.0





#15

Benzyl Alcohol

Concen: 3.243 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

OR-01-122618-B

Tot Ion: 79 Resp: 29305

Ion Ratio Lower Upper

79 100

108 74.9 69.4 104.2

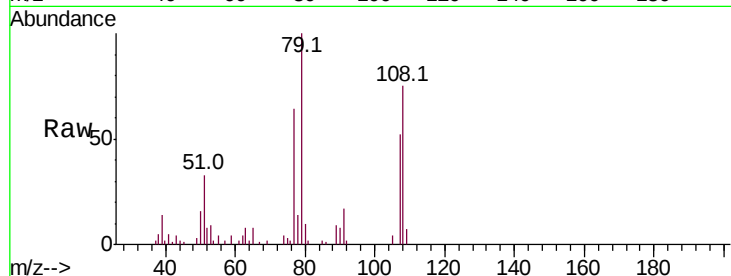
77 64.4 49.7 74.5

Manual Integrations

APPROVED

Sohil

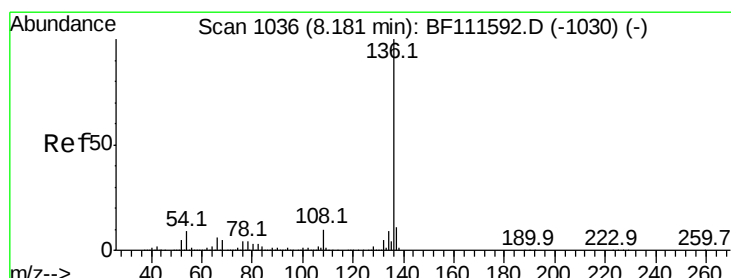
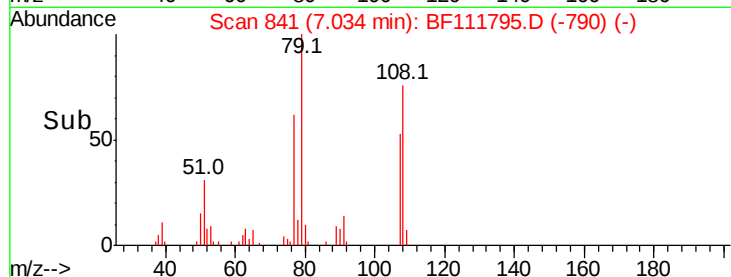
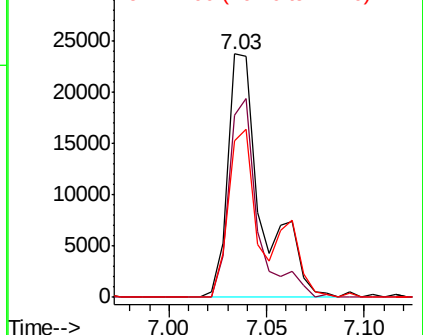
1/2/2019 2:51:41 PM



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Tgt Ion: 136 Resp: 532551

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.6 7.7 11.5

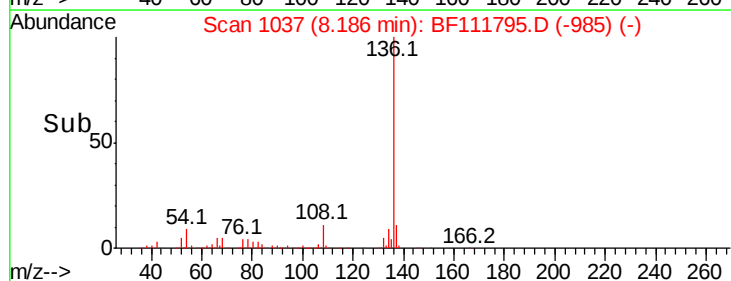
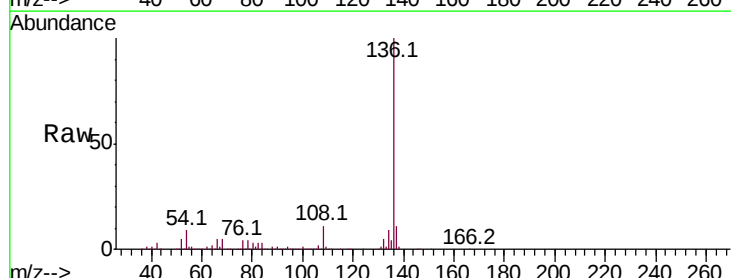
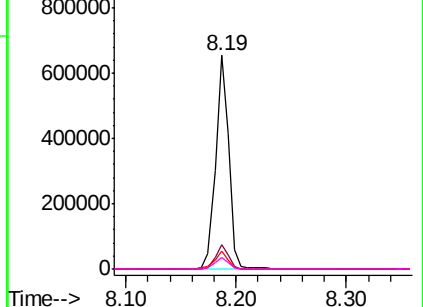
68 5.4 4.9 7.3

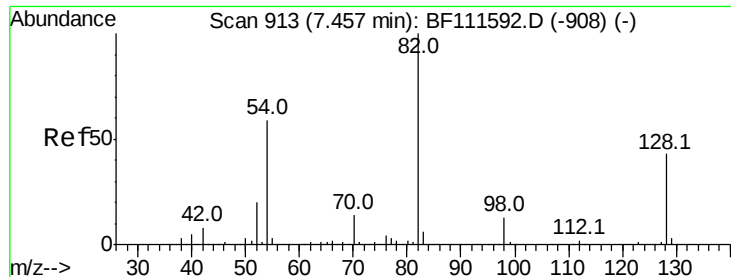
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





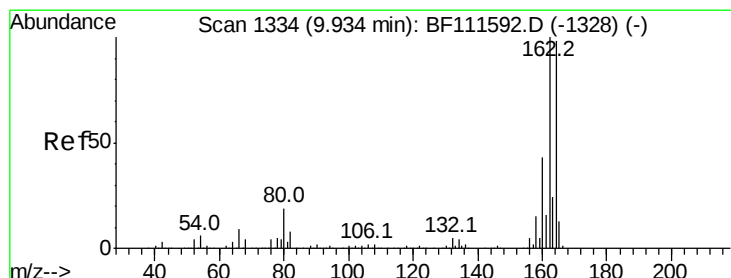
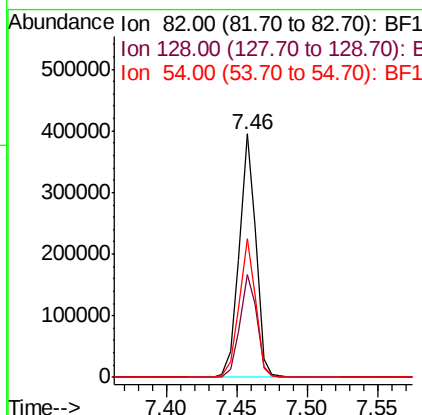
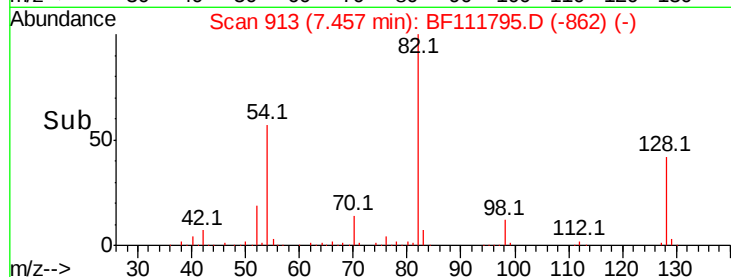
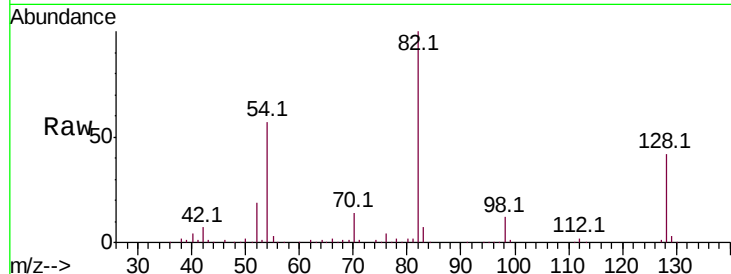
#23
Nitrobenzene-d5
Concen: 35.615 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.4	37.4	56.2	
54	57.2	47.6	71.4	

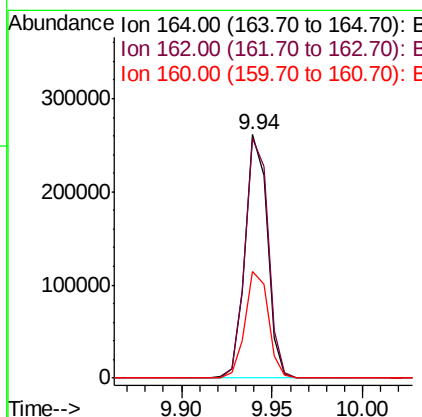
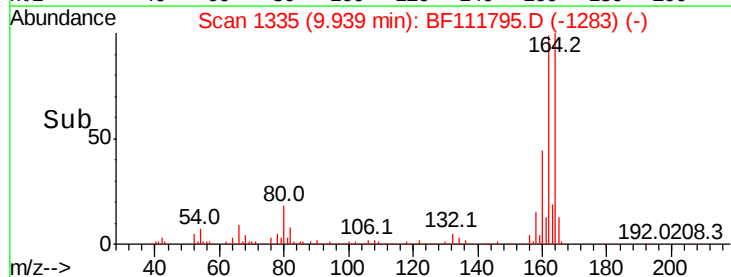
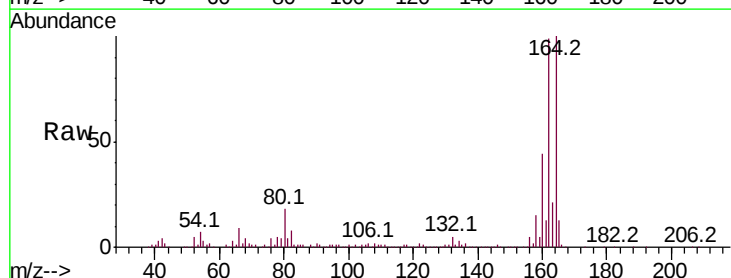
Manual Integrations
APPROVED

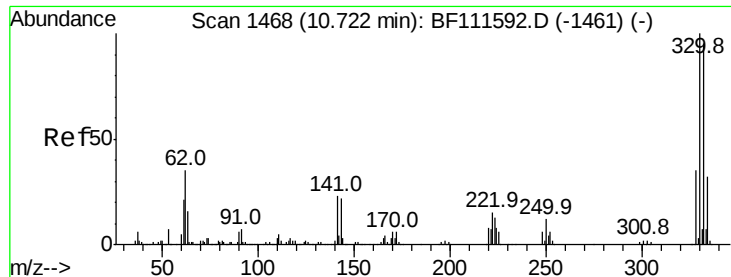
Sohil
1/2/2019 2:51:41 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.5	81.4	122.0	
160	44.0	35.7	53.5	





#42

2,4,6-Tribromophenol

Concen: 43.101 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

OR-01-122618-B

Tot Ion:330 Resp: 113500

Ion Ratio Lower Upper

330 100

332 94.5 76.0 114.0

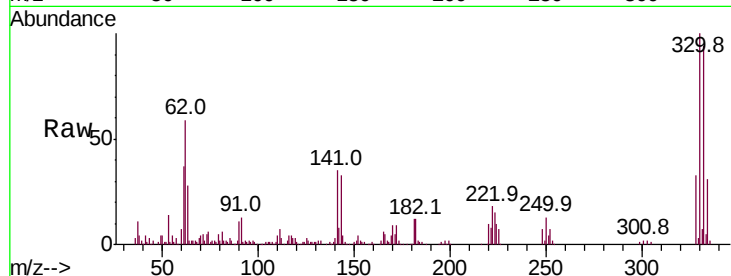
141 30.5 31.0 46.6#

Manual Integrations

APPROVED

Sohil

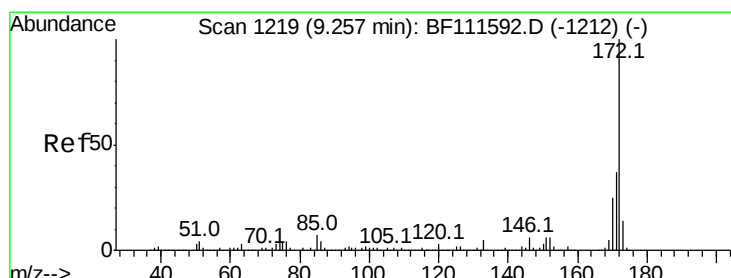
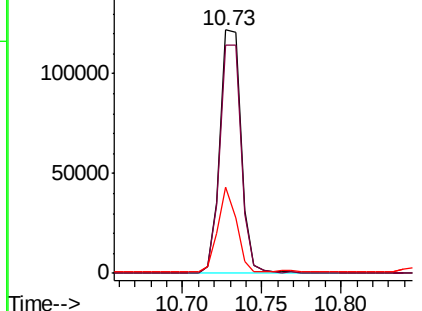
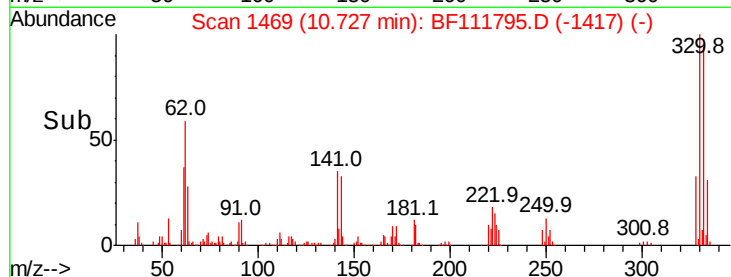
1/2/2019 2:51:41 PM



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 37.203 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

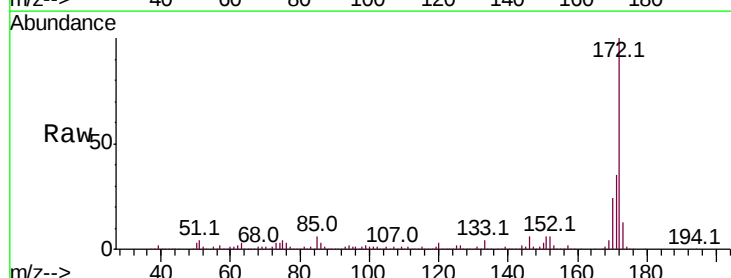
Tgt Ion:172 Resp: 568855

Ion Ratio Lower Upper

172 100

171 35.1 33.0 49.4

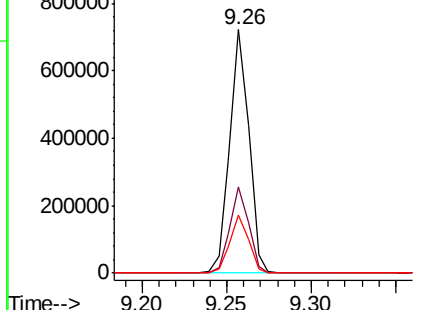
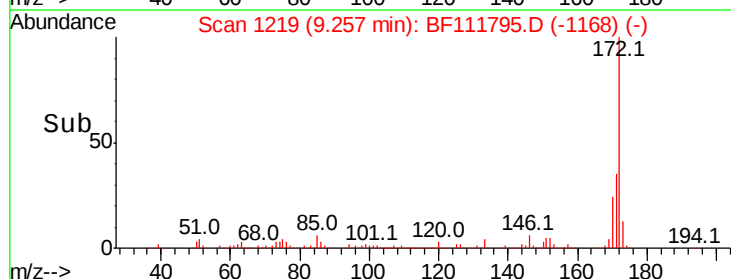
170 23.7 22.3 33.5

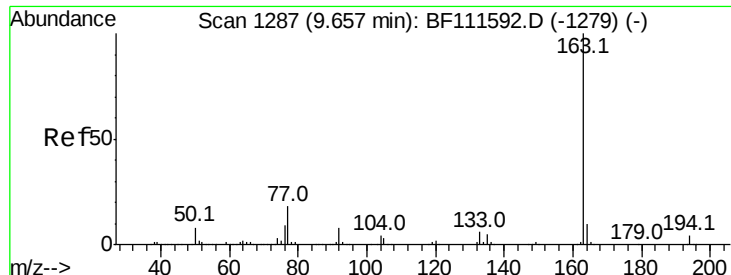


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





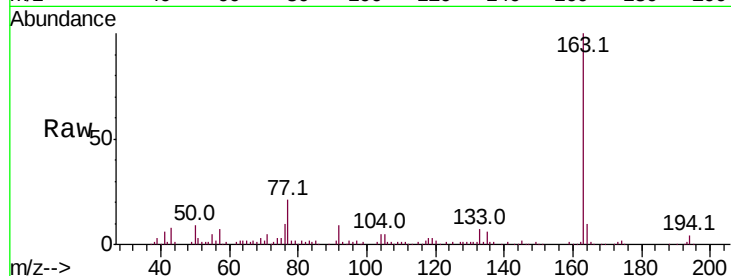
#50
Dimethylphthalate
Concen: 6.186 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	3.0	4.6	
164	10.0	8.9	13.3	

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:41 PM

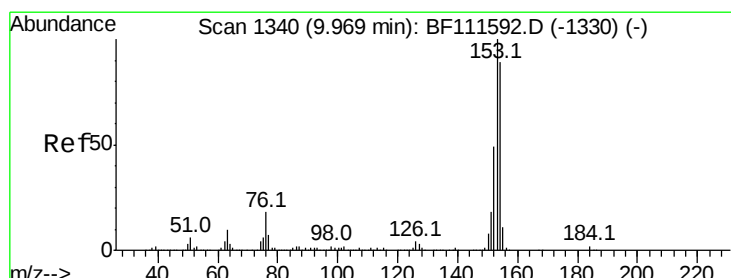
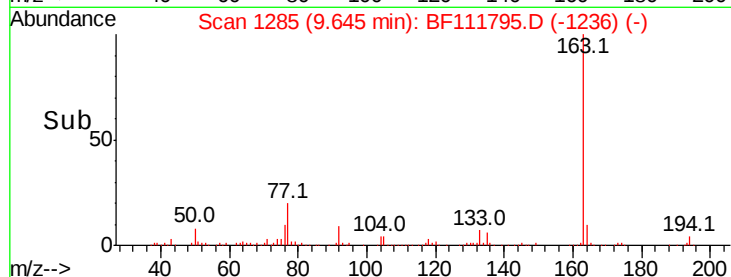
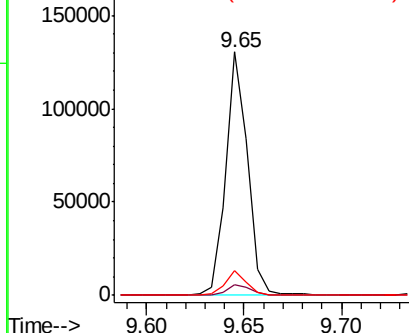


Abundance

Ion 163.00 (162.70 to 163.70): E

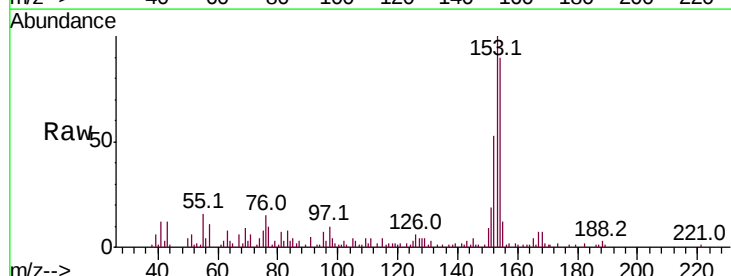
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.093 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.9	87.8	131.8	
152	59.3	43.4	65.2	

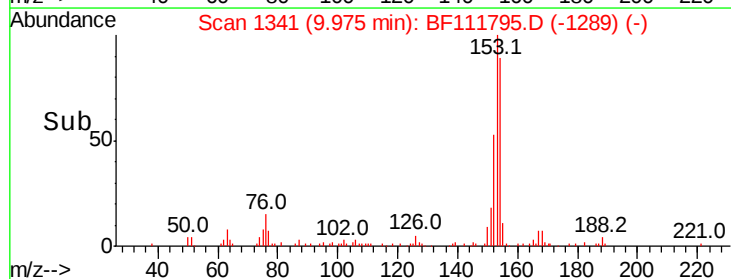
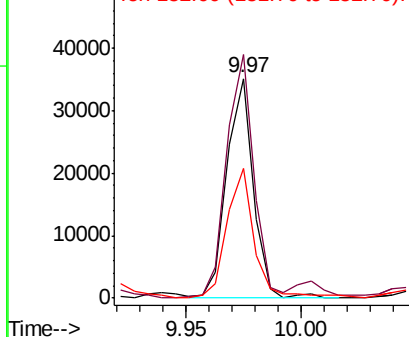


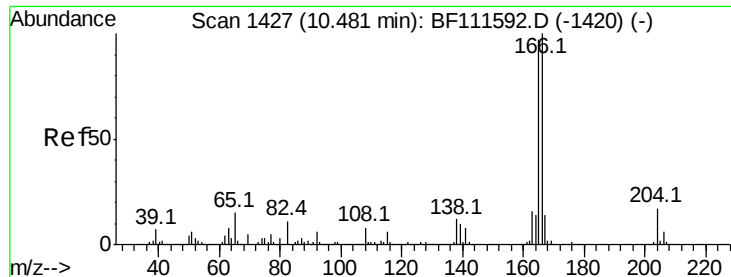
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





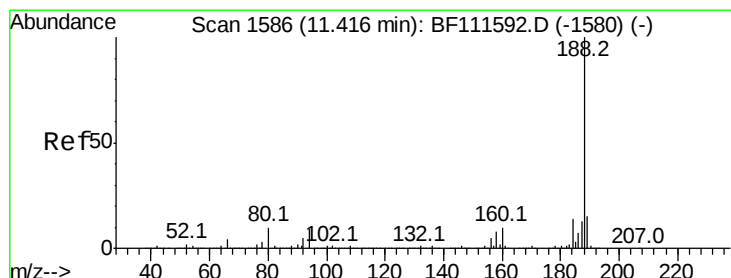
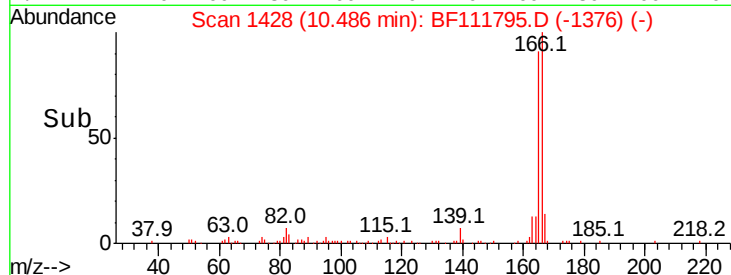
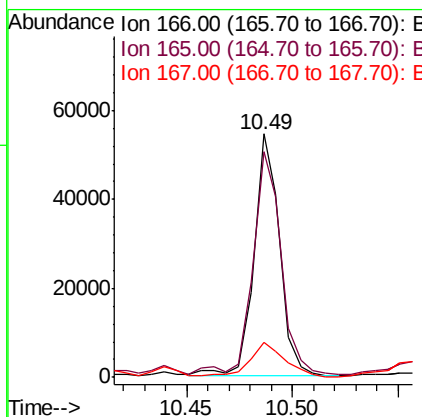
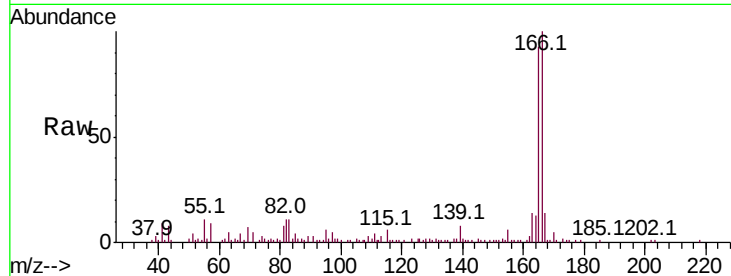
#58
Fluorene
 Concen: 3.130 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF111795.D
 Acq: 28 Dec 2018 18:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.6	78.4	117.6
167	14.5	11.2	16.8

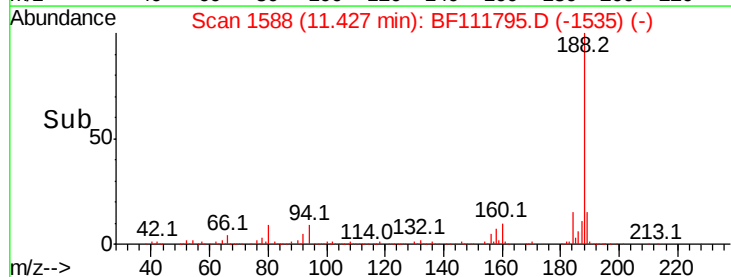
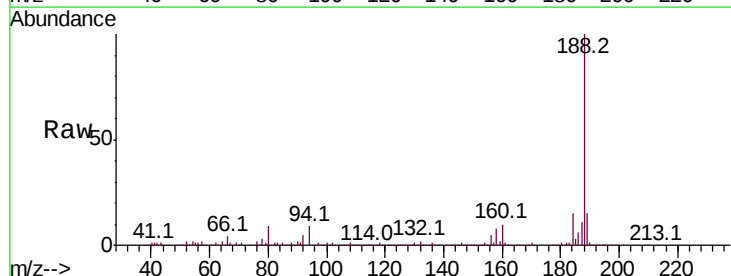
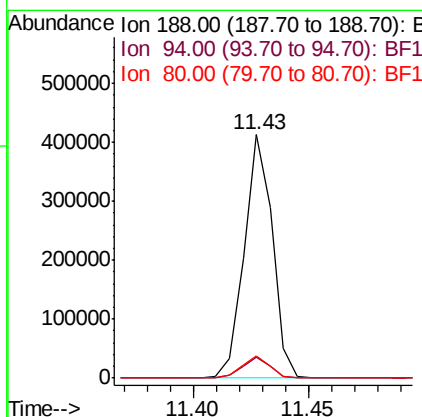
Manual Integrations
 APPROVED

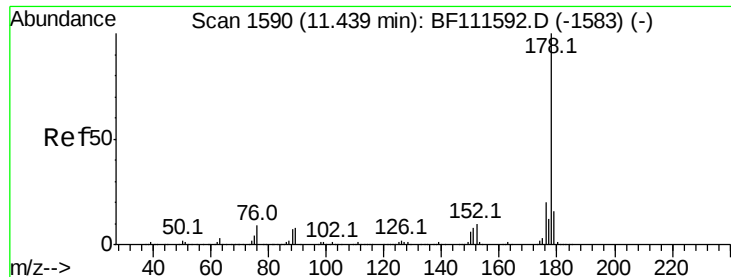
Sohil
 1/2/2019 2:51:41 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111795.D
 Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	9.6	14.4#
80	9.3	9.8	14.6#





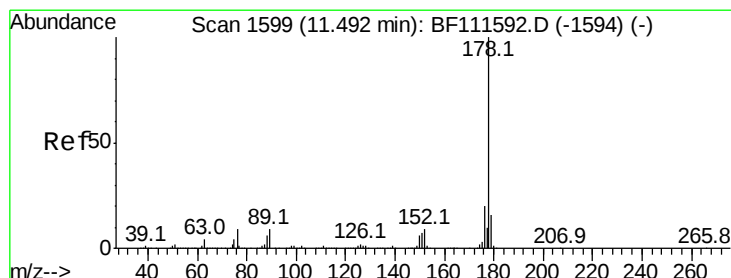
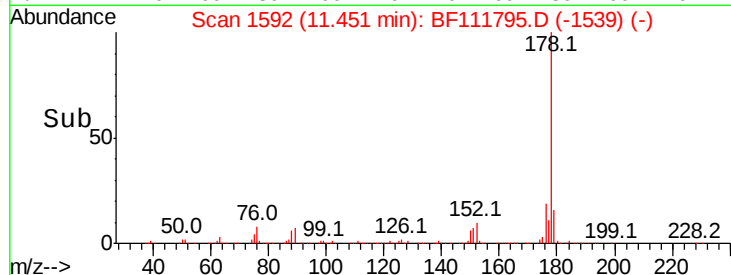
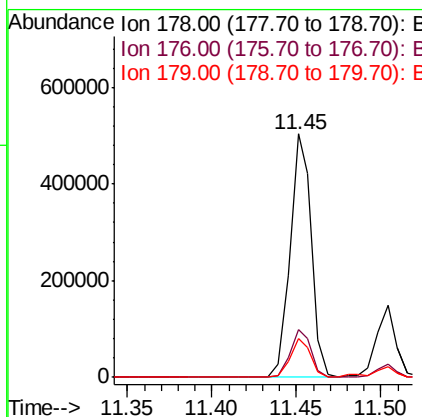
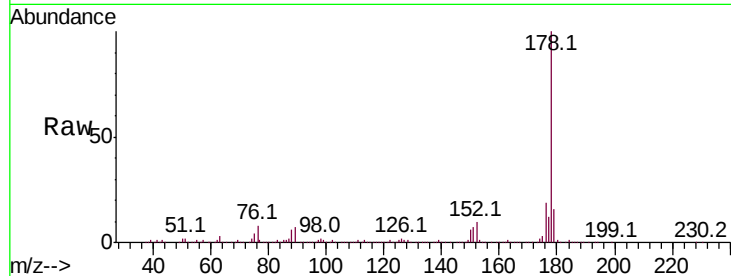
#71
Phenanthrene
Concen: 23.730 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	18.1	27.1
179	15.9	14.0	21.0

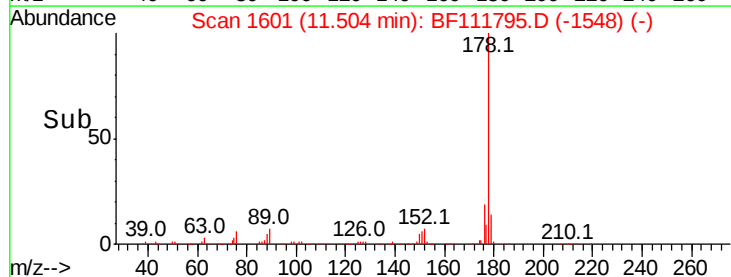
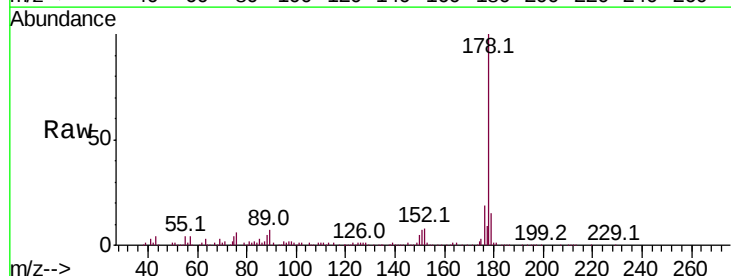
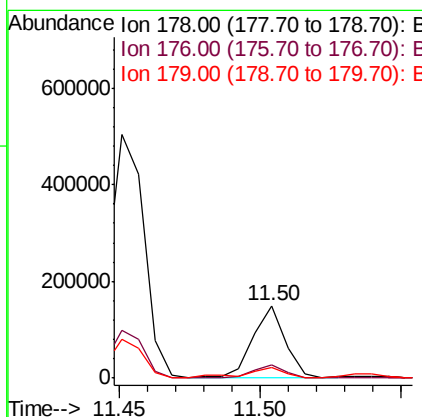
Manual Integrations
APPROVED

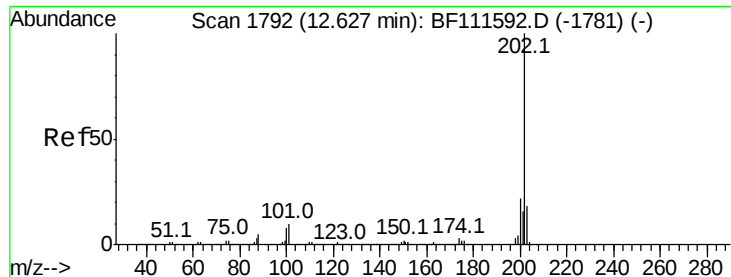
Sohil
1/2/2019 2:51:41 PM



#72
Anthracene
Concen: 6.221 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	17.2	25.8
179	14.7	13.8	20.8





#75

Fluoranthene

Concen: 28.133 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Instrument :

BNA_F

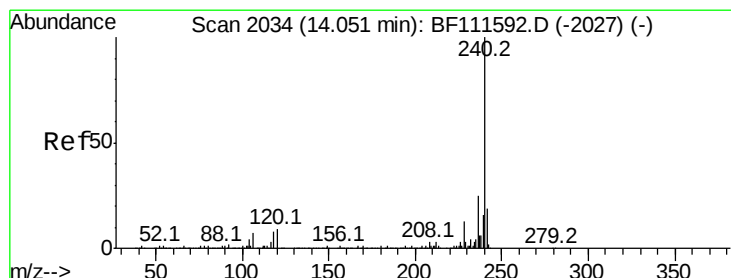
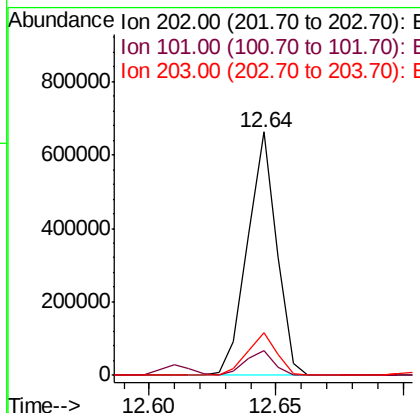
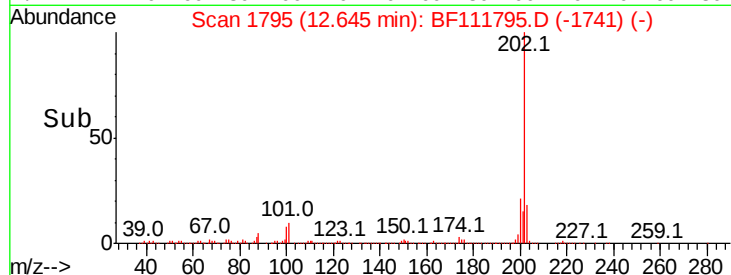
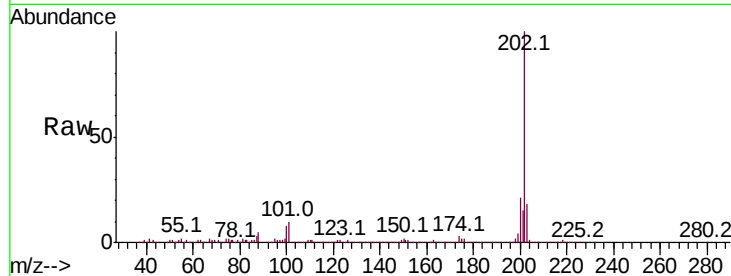
ClientSampleId :

OR-01-122618-B

Tot Ion:	202	Resp:	531150
Ion Ratio		Lower	Upper
202	100		
101	10.1	0.0	33.8
203	17.7	0.0	38.6

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:41 PM



#76

Chrysene-d12

Concen: 20.000 ng

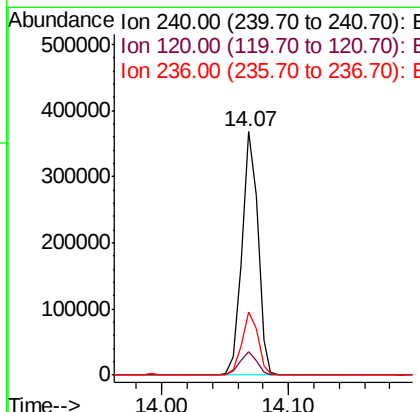
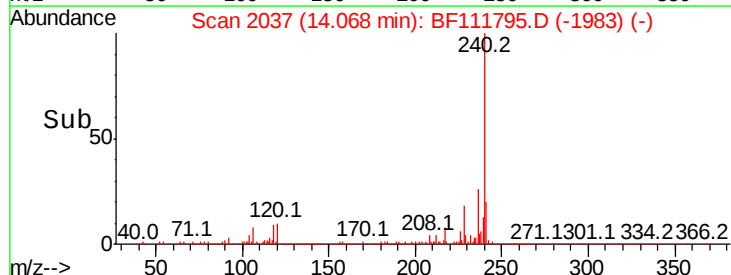
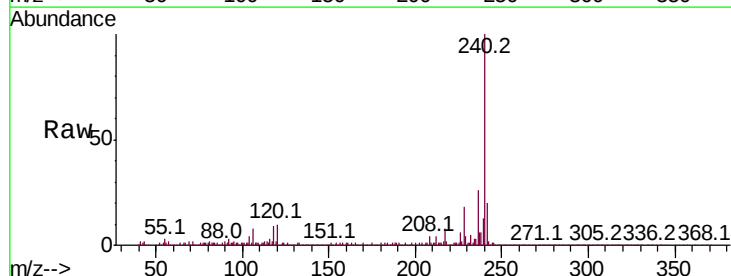
RT: 14.07 min Scan# 2037

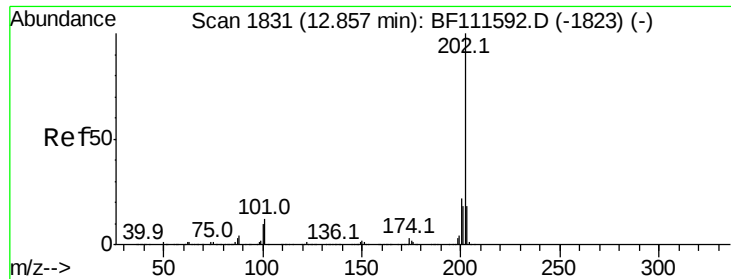
Delta R.T. 0.02 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Tgt Ion:	240	Resp:	314821
Ion Ratio		Lower	Upper
240	100		
120	9.8	12.2	18.2#
236	25.9	20.2	30.2





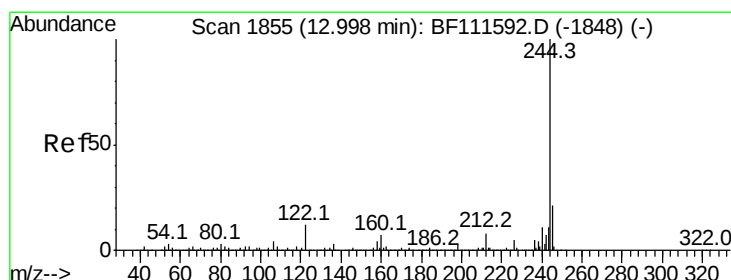
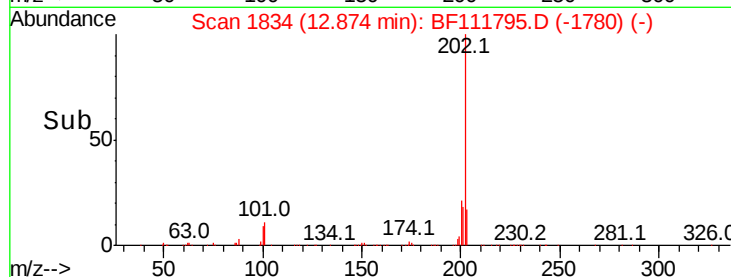
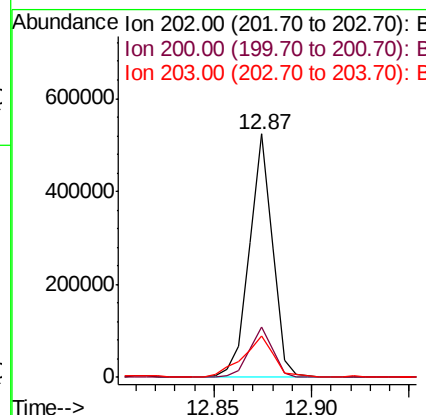
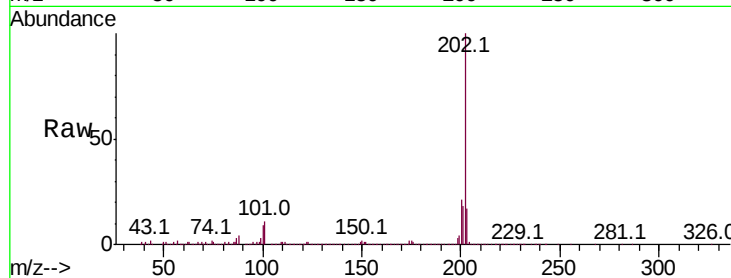
#78
Pvrene
Concen: 19.428 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.02 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	19.0	28.4
203	16.9	15.2	22.8

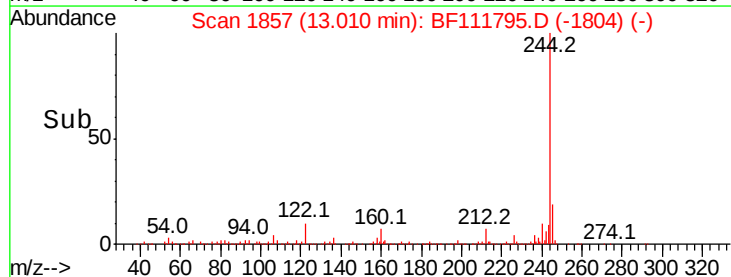
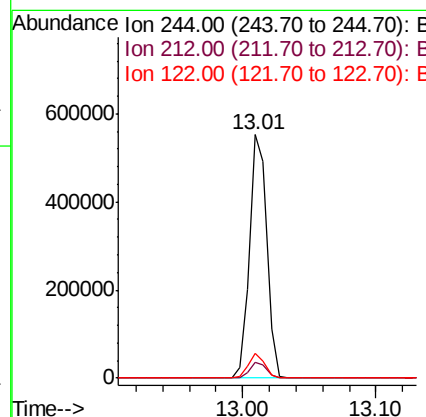
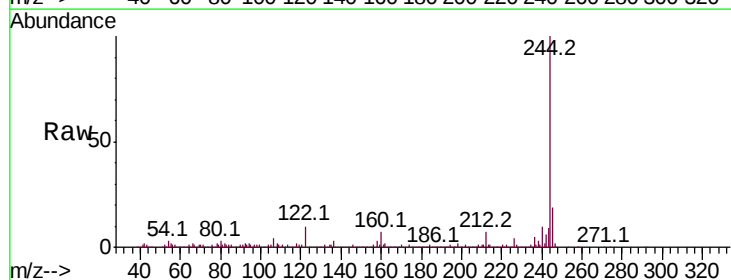
Manual Integrations
APPROVED

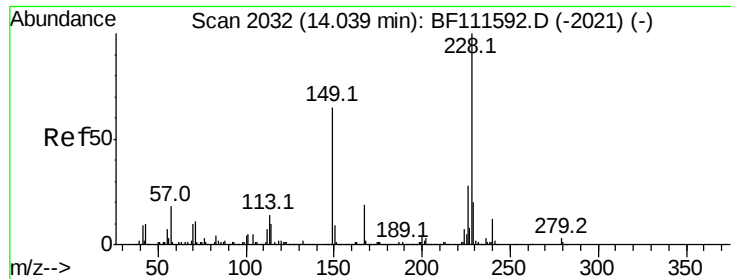
Sohil
1/2/2019 2:51:41 PM



#79
Terphenyl-d14
Concen: 29.638 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.3	13.1	19.7#





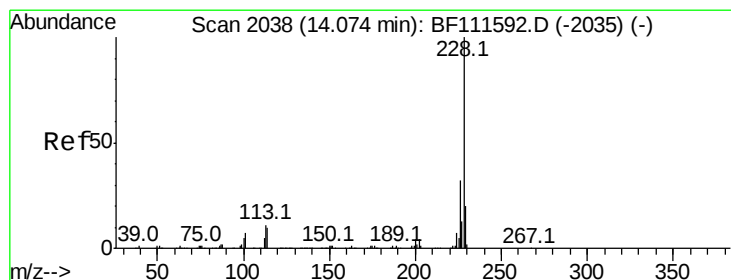
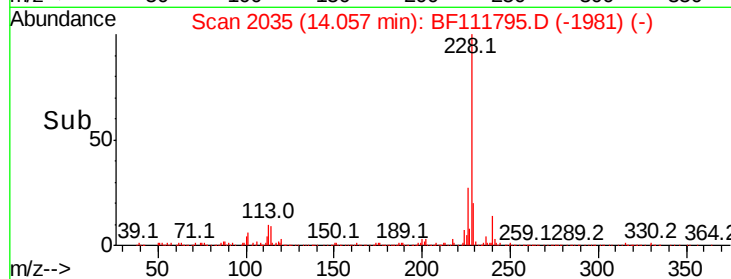
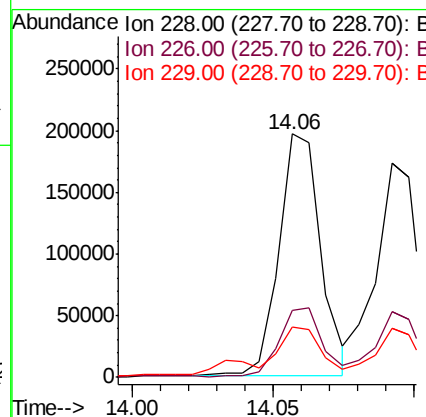
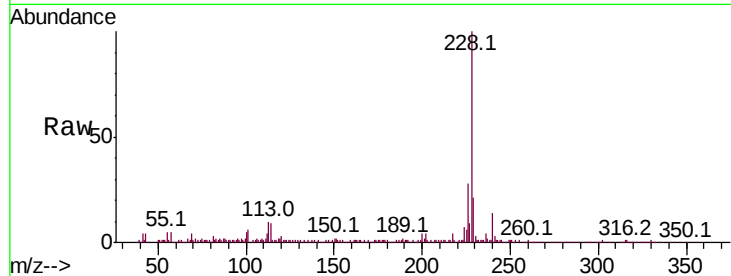
#81
Benzo(a)anthracene
Concen: 11.238 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	34.0
229	20.7	16.3	24.5

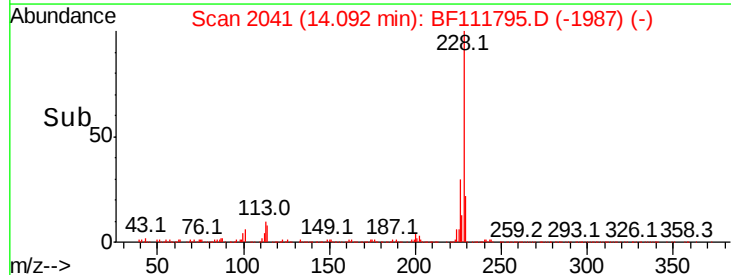
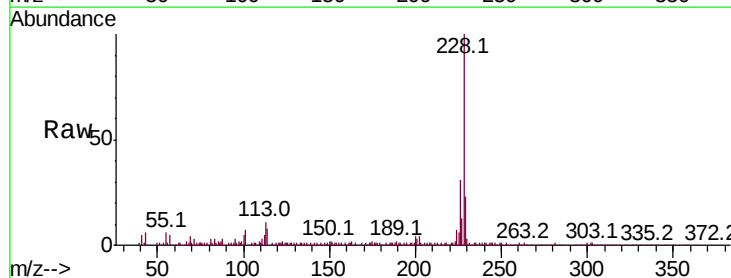
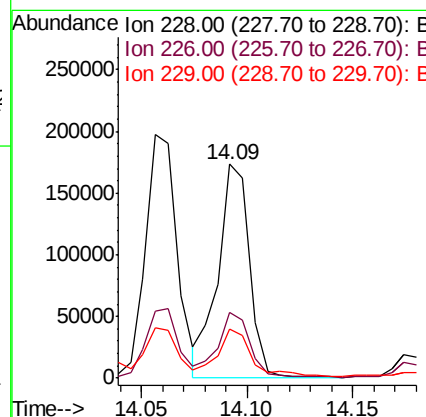
Manual Integrations
APPROVED

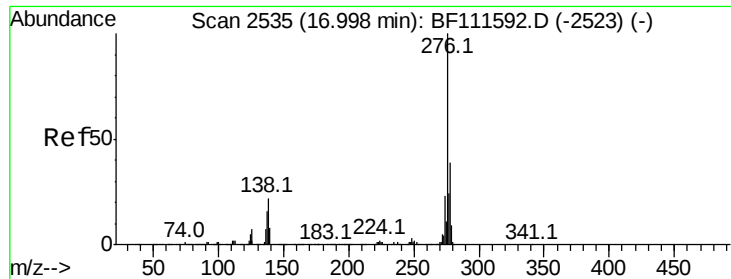
Sohil
1/2/2019 2:51:41 PM



#83
Chrysene
Concen: 10.107 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.3	37.9
229	22.7	17.2	25.8





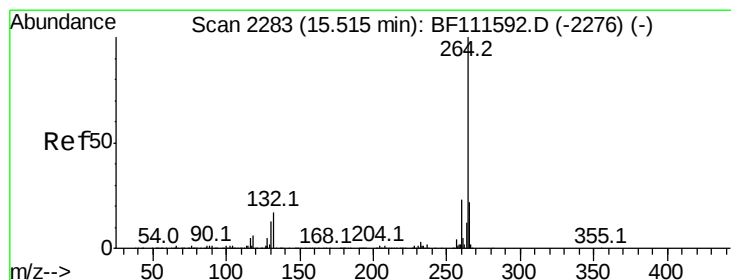
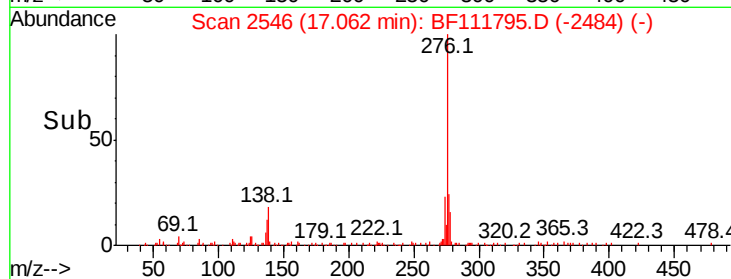
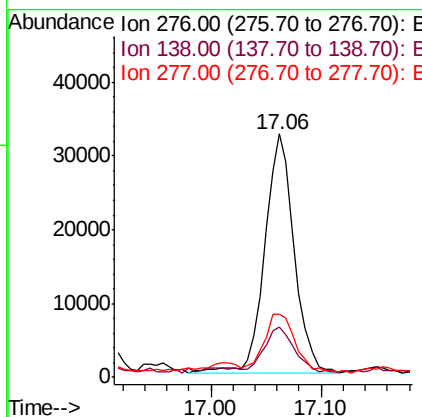
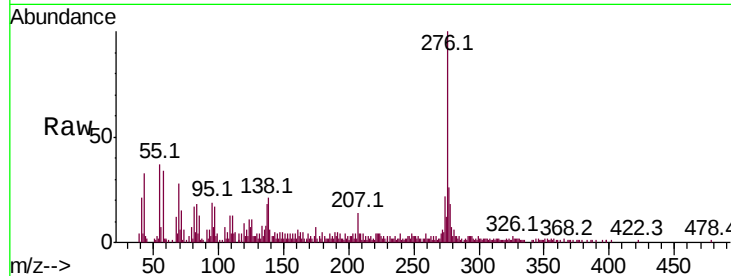
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.030 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.06 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.0	27.8	41.6#
277	27.1	20.1	30.1

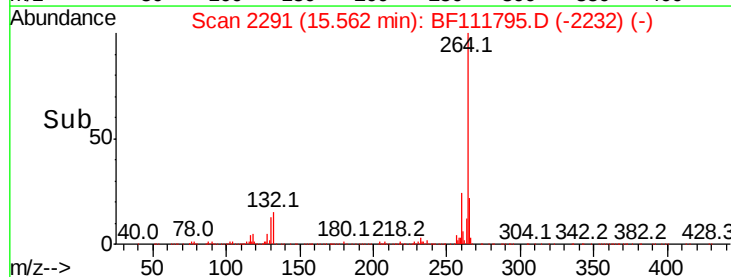
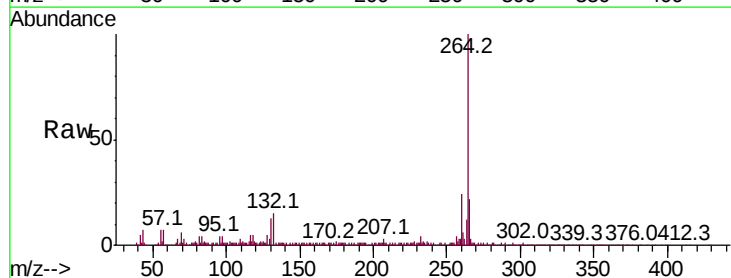
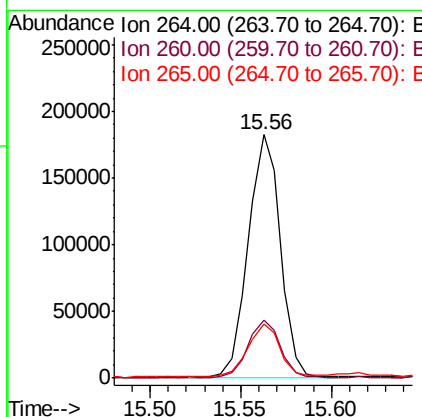
Manual Integrations
APPROVED

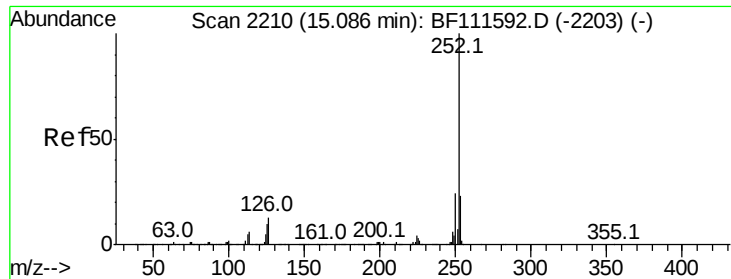
Sohil
1/2/2019 2:51:41 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.05 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.3	27.5
265	22.4	17.7	26.5





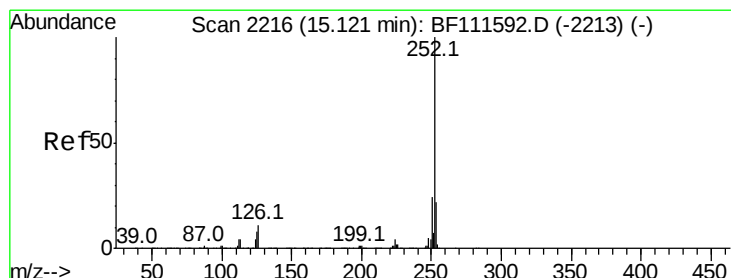
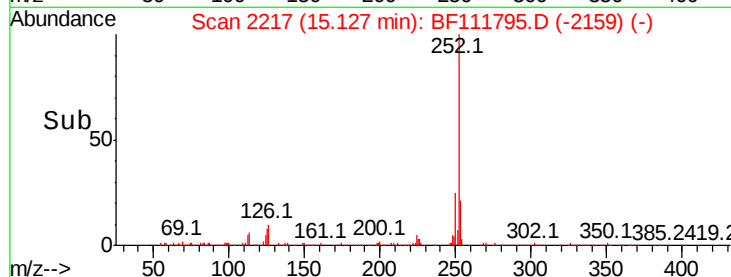
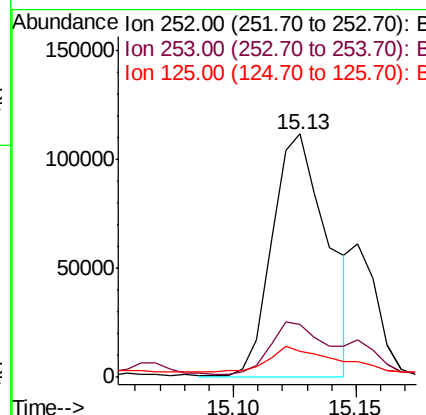
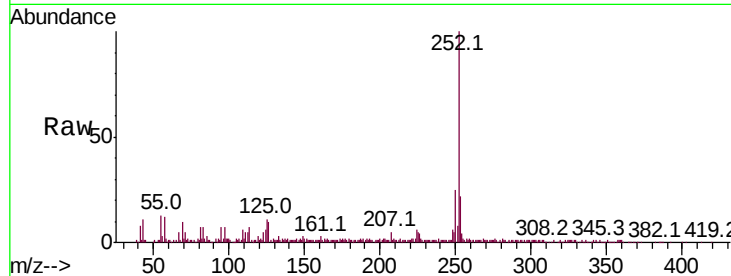
#88
Benzo(b)fluoranthene
Concen: 13.622 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.04 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.8	10.4	15.6

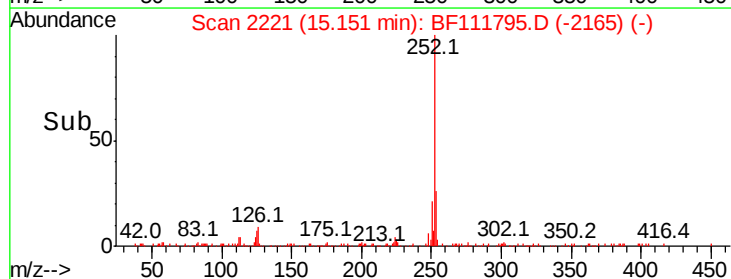
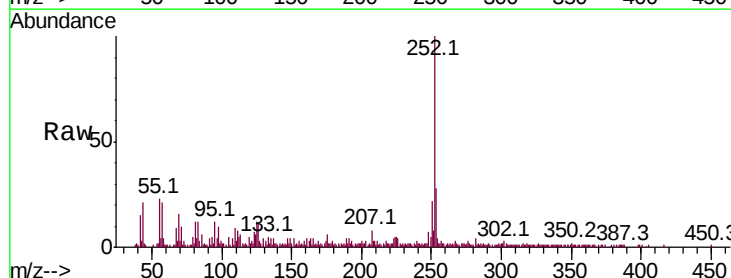
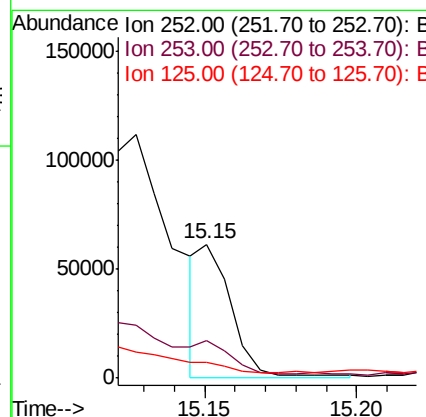
Manual Integrations
APPROVED

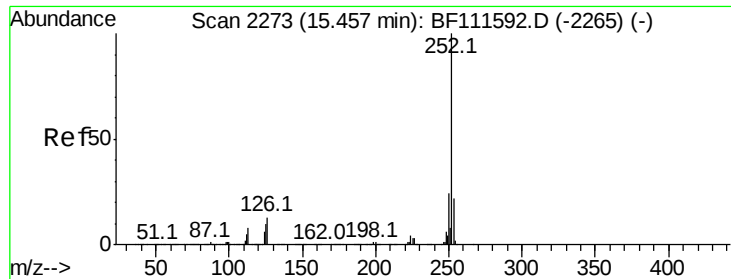
Sohil
1/2/2019 2:51:41 PM



#89
Benzo(k)fluoranthene
Concen: 3.749 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.03 min
Lab File: BF111795.D
Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.1	27.1#
125	11.6	9.8	14.8





#90

Benzo(a)pyrene

Concen: 9.092 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.04 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

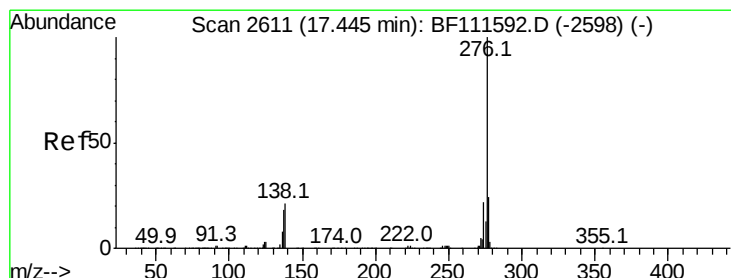
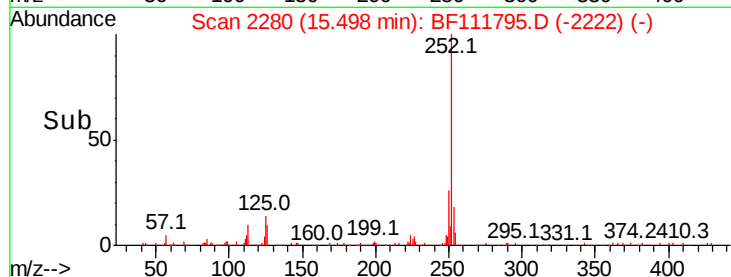
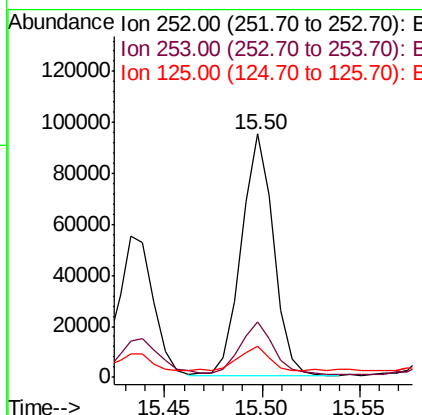
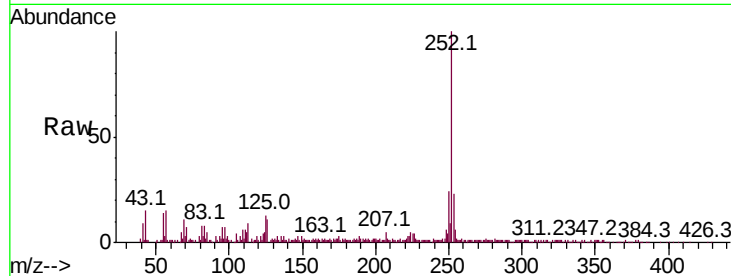
Instrument :
BNA_F

ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	12.9	12.3	18.5

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:41 PM



#92

Benzo(g,h,i)perylene

Concen: 5.316 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.08 min

Lab File: BF111795.D

Acq: 28 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.2	28.8
138	18.4	24.9	37.3

