

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111393.D
 Acq On : 14 Dec 2018 1:59
 Operator : JU/SJ
 Sample : J6208-17 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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 12/14/2018 12:53:57 PM

Quant Time: Dec 14 04:12:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	302328	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1232894	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	487527	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	716049	20.00	ng	0.00
76) Chrysene-d12	13.96	240	419036	20.00	ng	0.00
87) Perylene-d12	15.39	264	395388	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	887398	49.64	ng	0.01
7) Phenol-d6	6.44	99	1202328	49.88	ng	0.00
23) Nitrobenzene-d5	7.35	82	791733	36.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	185698	43.21	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	989303	32.58	ng	0.00
79) Terphenyl-d14	12.90	244	542046	28.47	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	87985	3.222	ng	89
49) Acenaphthylene	9.69	152	179115	3.848	ng	94
50) Dimethylphthalate	9.55	163	110081	3.140	ng	98
52) Acenaphthene	9.86	154	229140	7.806	ng	98
55) Dibenzofuran	10.03	168	194222	4.583	ng	94
58) Fluorene	10.37	166	336233	11.091	ng	99
71) Phenanthrene	11.35	178	3101297	83.794	ng	98
72) Anthracene	11.39	178	1050543	27.876	ng	95
73) Carbazole	11.55	167	208804	5.359	ng	95
75) Fluoranthene	12.54	202	3993476	110.527	ng	97
78) Pyrene	12.77	202	3689149	114.074	ng	99
81) Benzo(a)anthracene	13.95	228	1798507	76.710	ng	99
83) Chrysene	13.99	228	1497720	62.612	ng	98
86) Indeno(1,2,3-cd)pyrene	16.81	276	636460m	34.019	ng	
88) Benzo(b)fluoranthene	14.99	252	1404679m	62.477	ng	
89) Benzo(k)fluoranthene	15.01	252	540539m	24.086	ng	
90) Benzo(a)pyrene	15.34	252	1075408	51.371	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	174228m	10.003	ng	
92) Benzo(a,h,i)perylene	17.24	276	576739	33.121	ng	96

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

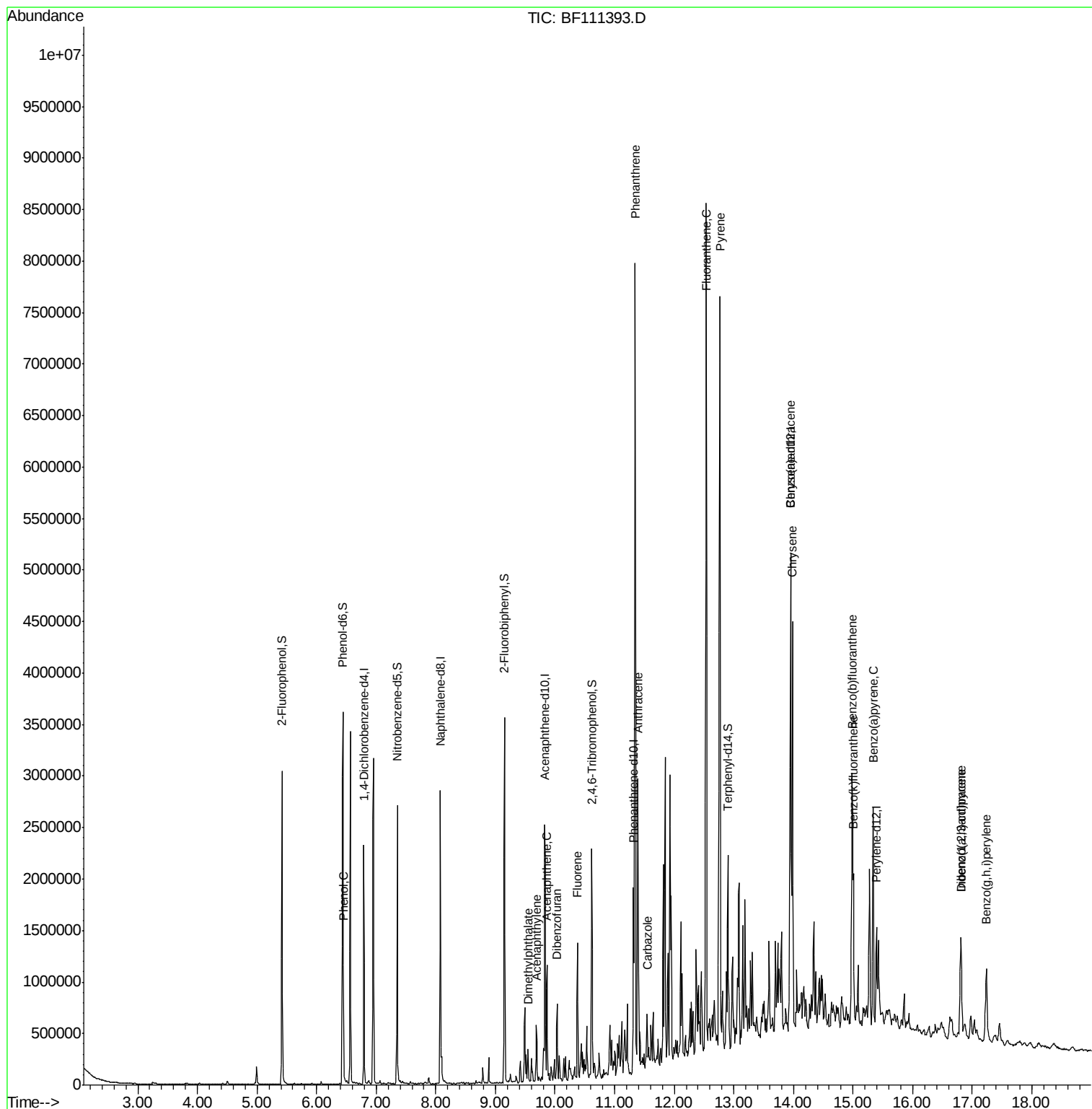
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111393.D
Acq On : 14 Dec 2018 1:59
Operator : JU/SJ
Sample : J6208-17 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

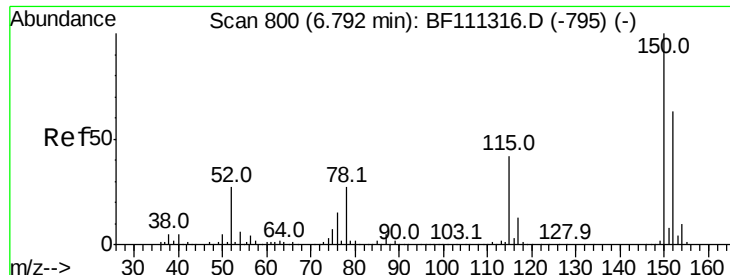
Instrument :
BNA_F
ClientSampled :
TP-5

Quant Time: Dec 14 04:12:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
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#1

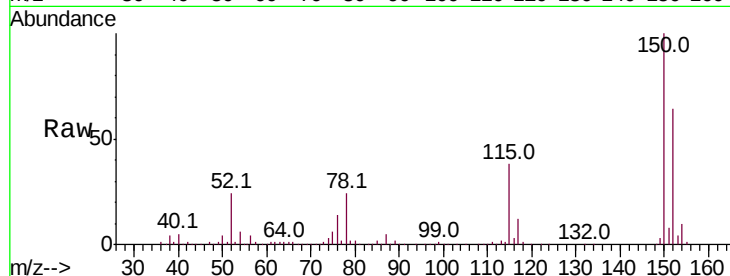
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	189.8
115	59.6	50.7	76.1

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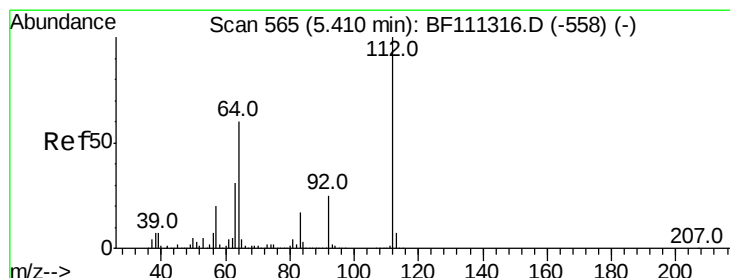
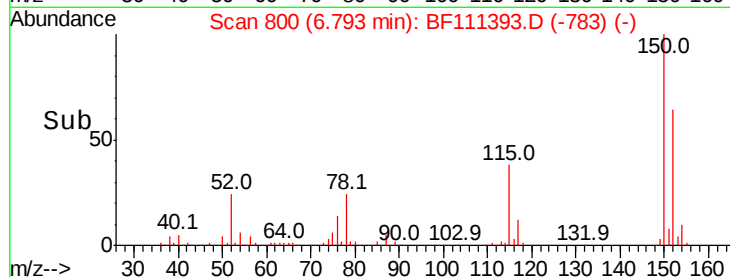
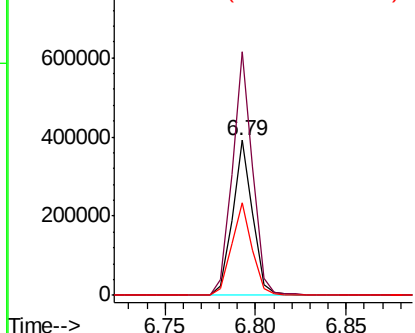


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

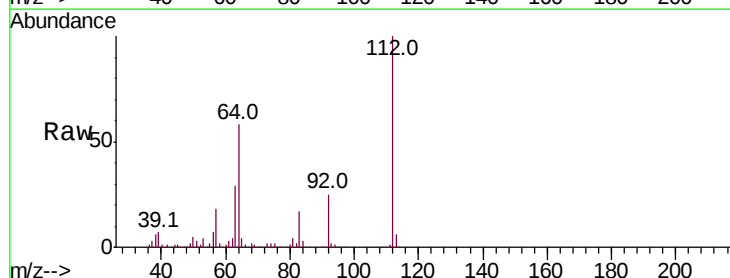
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.635 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.8	77.6
63	29.1	26.8	40.2

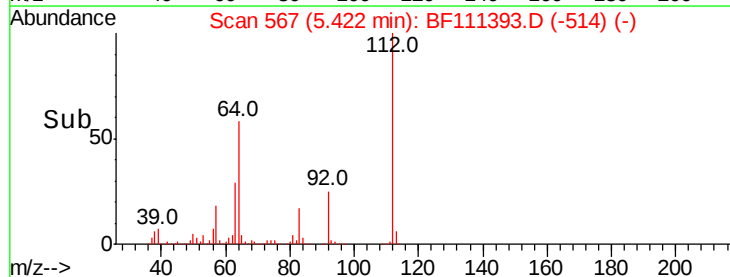
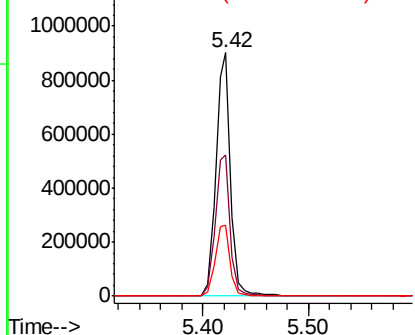


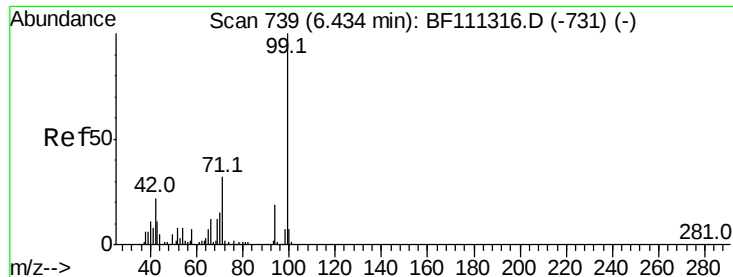
Abundance

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: 49.879 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

Instrument :

BNA_F

ClientSampled :

TP-5

Tot Ion: 99 Resp: 1202328

Ion Ratio Lower Upper

99 100

42 19.6 17.4 26.0

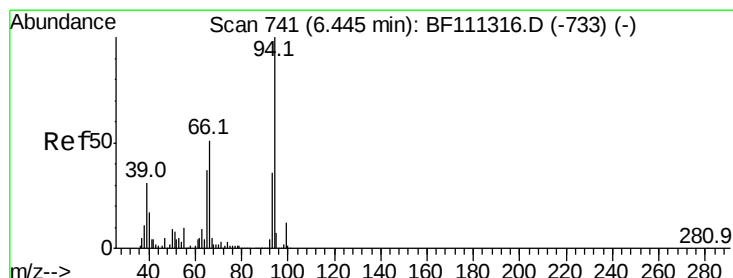
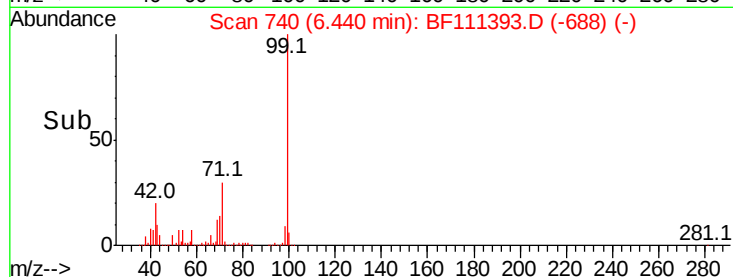
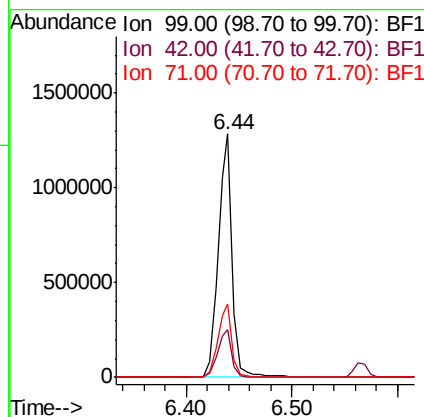
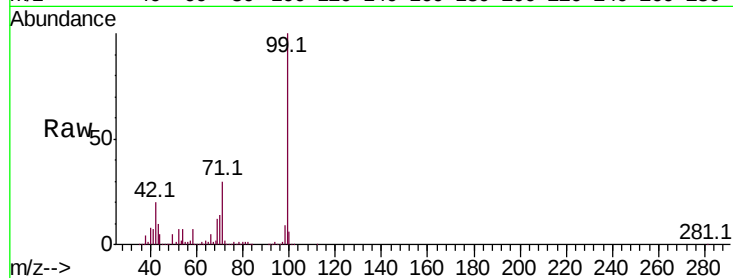
71 30.0 26.1 39.1

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#10

Phenol

Concen: 3.222 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111393.D

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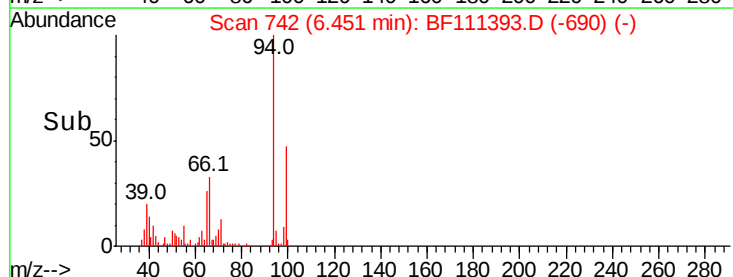
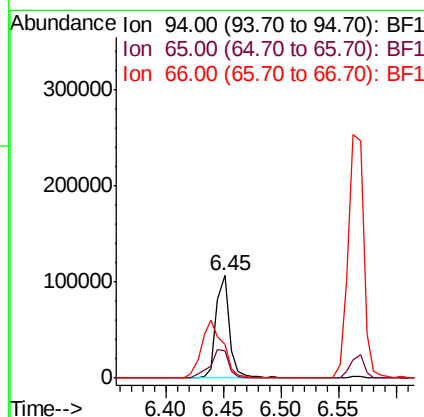
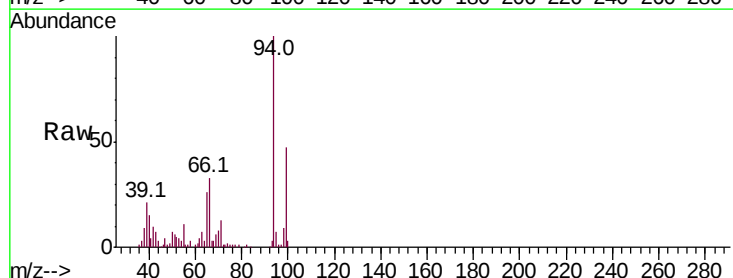
Tgt Ion: 94 Resp: 87985

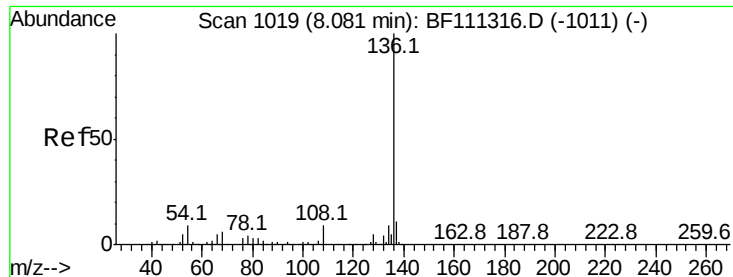
Ion Ratio Lower Upper

94 100

65 26.0 11.7 51.7

66 33.2 21.0 61.0





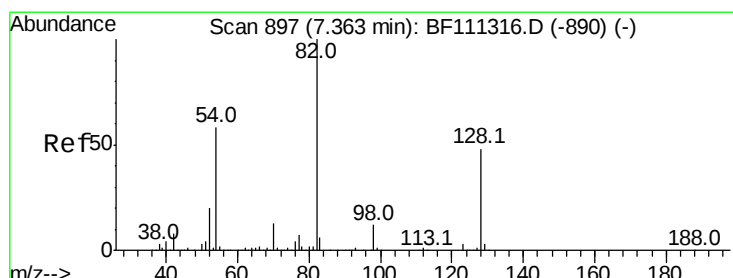
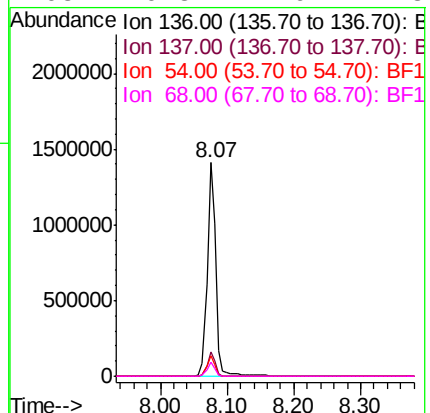
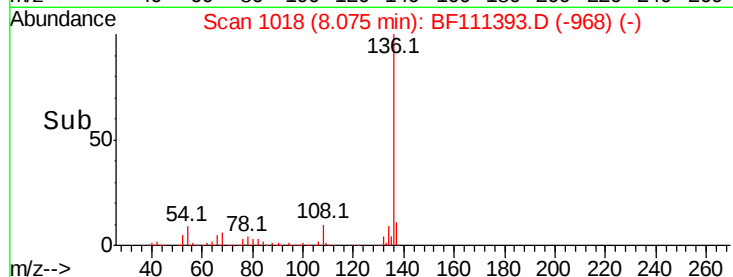
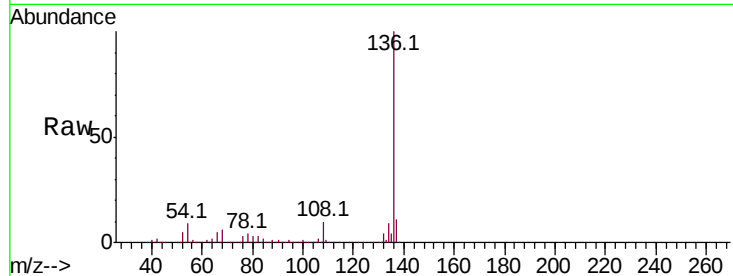
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	9.4	7.7	11.5
68	6.3	4.9	7.3

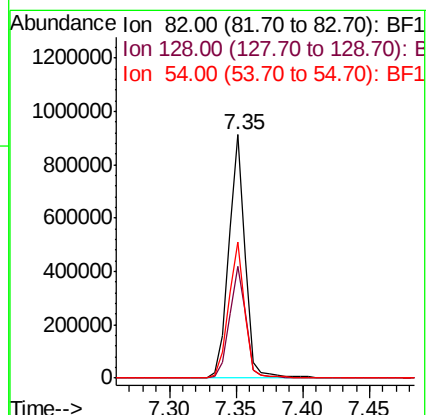
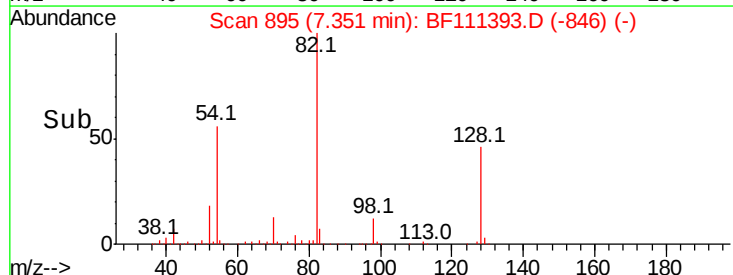
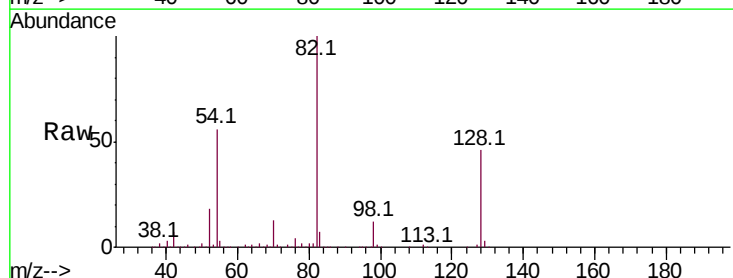
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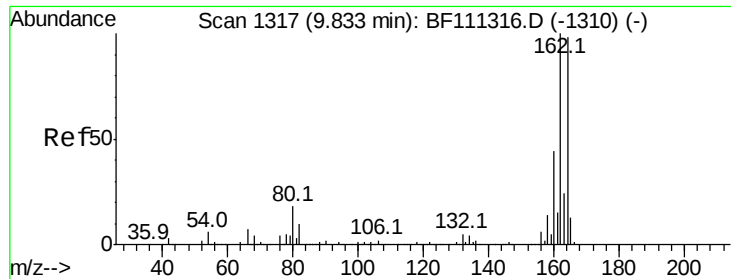
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#23
Nitrobenzene-d5
Concen: 36.195 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.4	56.2
54	56.0	47.6	71.4





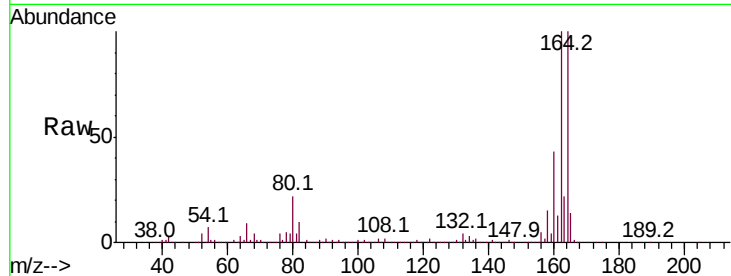
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

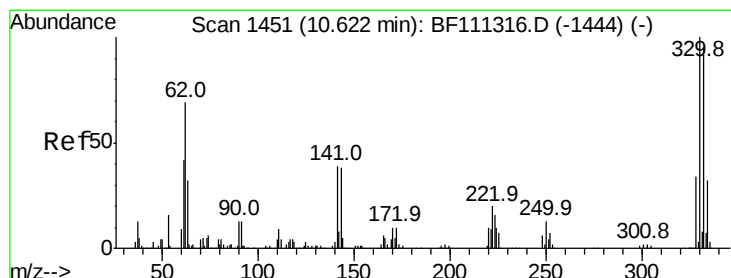
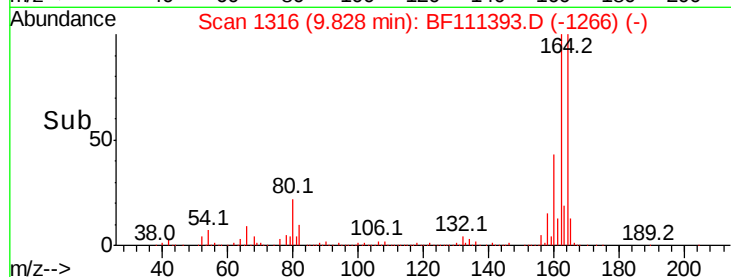
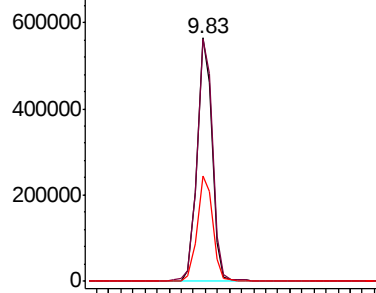
Tot Ion	Ratio	Resp	Lower	Upper
164	100	487527		
162	99.6	81.4	122.0	
160	43.1	35.7	53.5	

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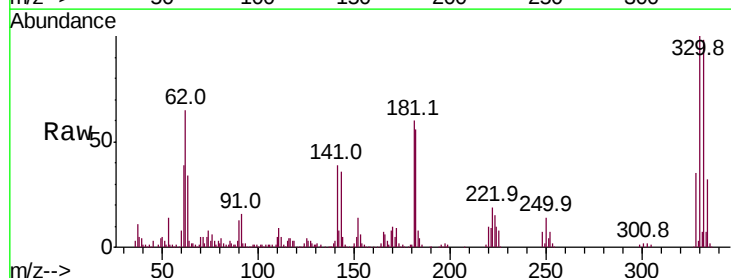


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

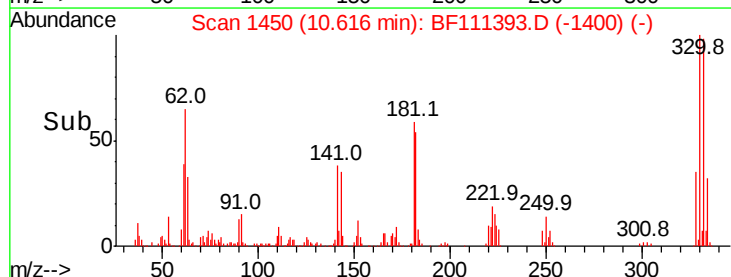
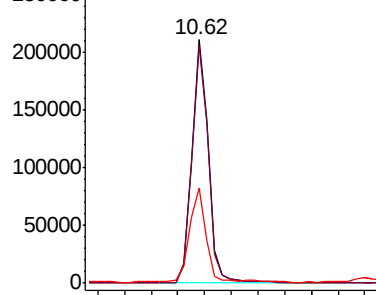


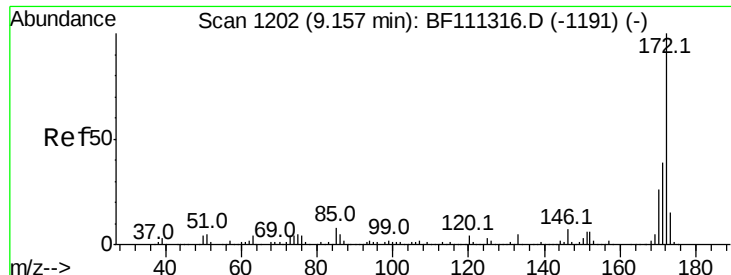
#42
2,4,6-Tribromophenol
Concen: 43.210 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	185698		
332	97.8	76.0	114.0	
141	39.0	31.0	46.6	



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





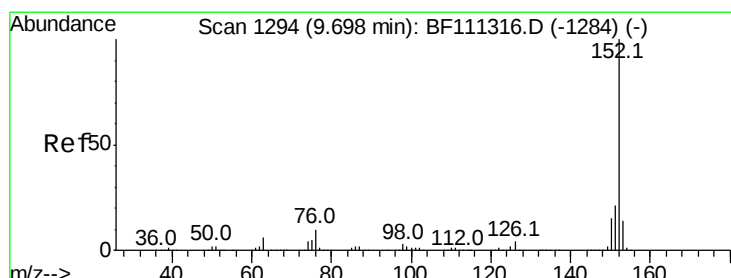
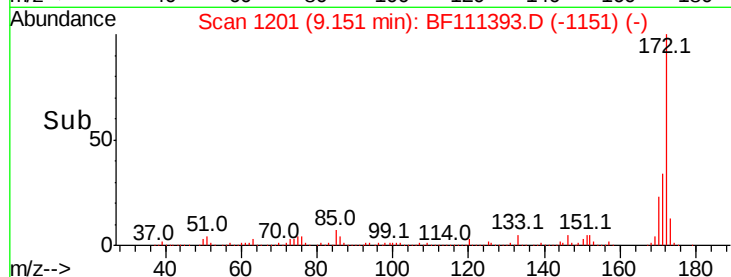
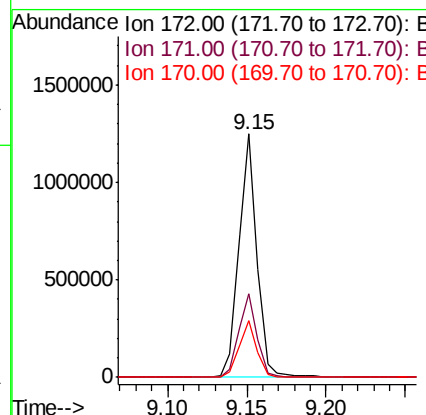
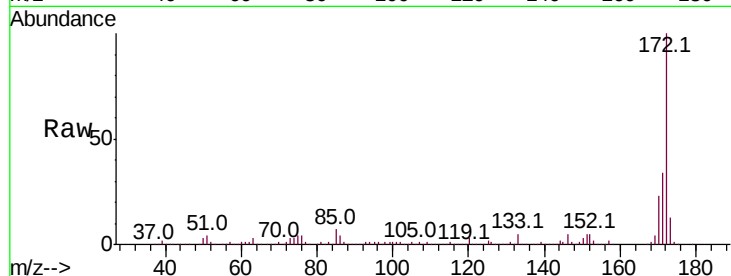
#45
2-Fluorobiphenyl
Concen: 32.579 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	34.5	33.0	49.4
170	23.2	22.3	33.5

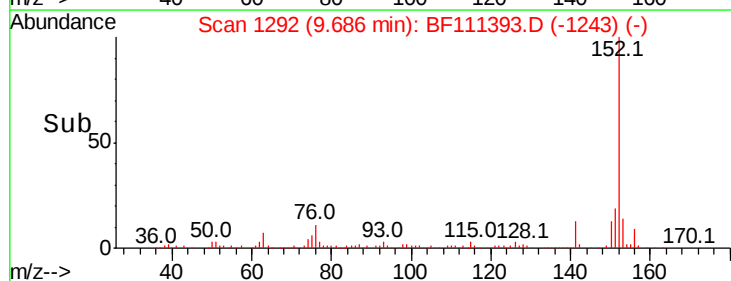
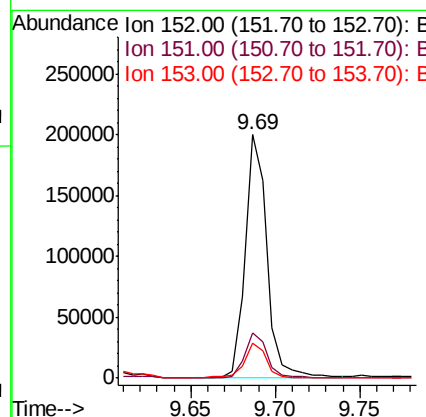
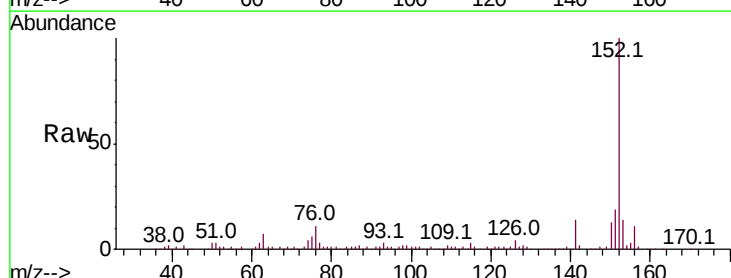
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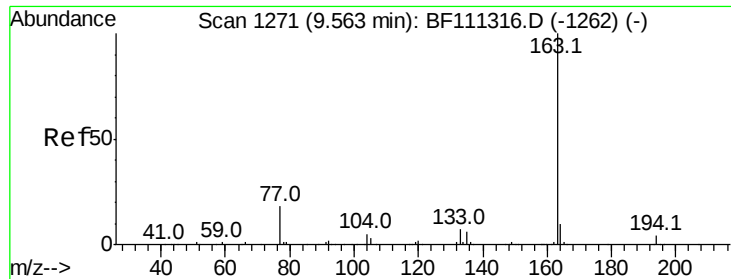
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#49
Acenaphthylene
Concen: 3.848 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	18.8	18.0	27.0
153	14.1	12.3	18.5





#50

Dimethylphthalate

Concen: 3.140 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

Instrument :

BNA_F

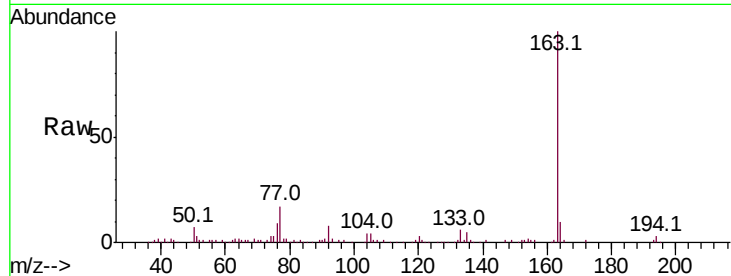
ClientSampled :

TP-5

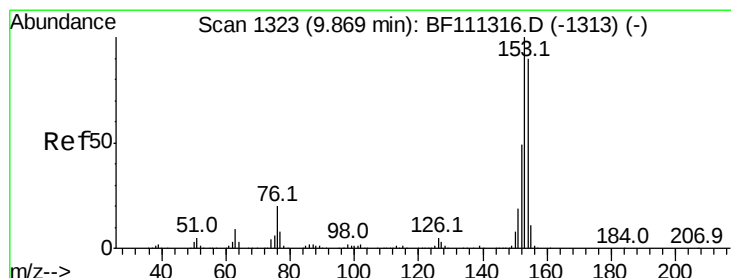
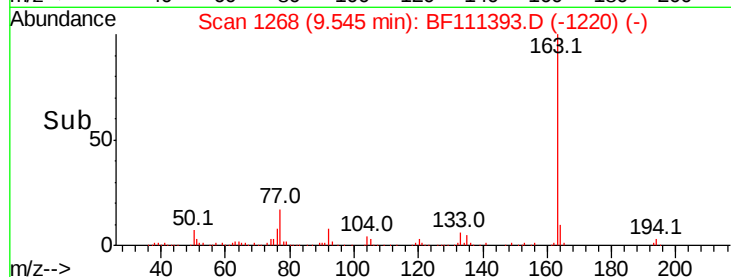
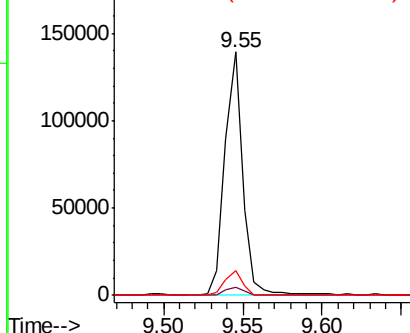
Tot Ion	Ratio	Resp	Lower	Upper
163	100	110081		
194	3.4		3.0	4.6
164	10.2		8.9	13.3

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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: 7.806 ng

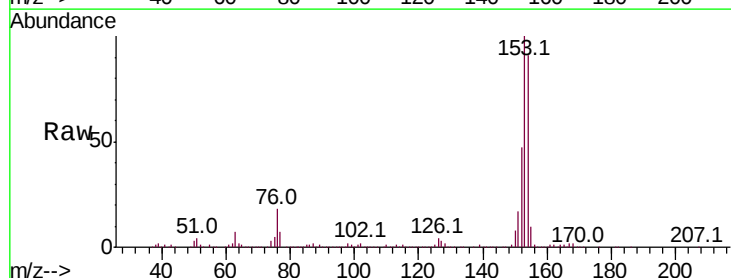
RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

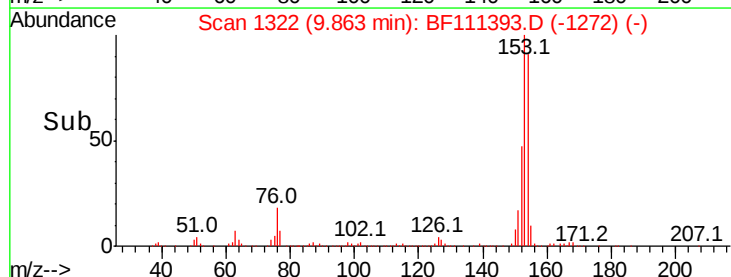
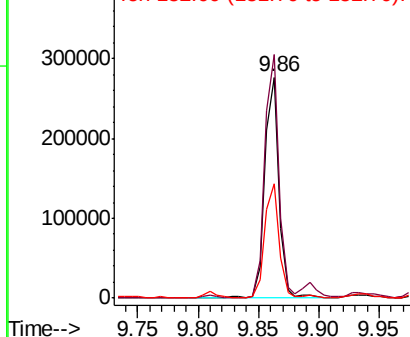
Lab File: BF111393.D

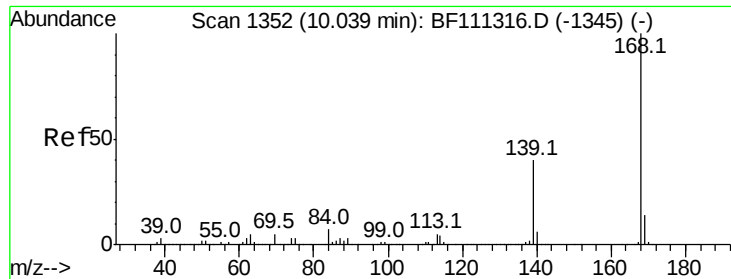
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	229140		
153	110.4		87.8	131.8
152	51.6		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





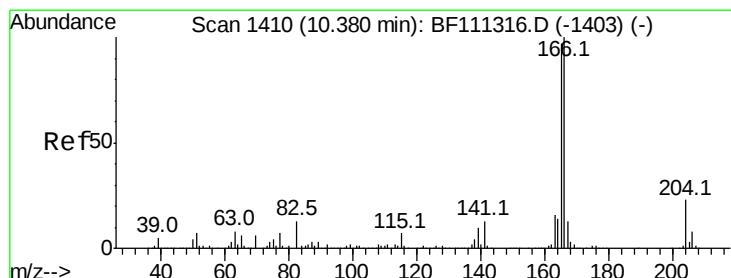
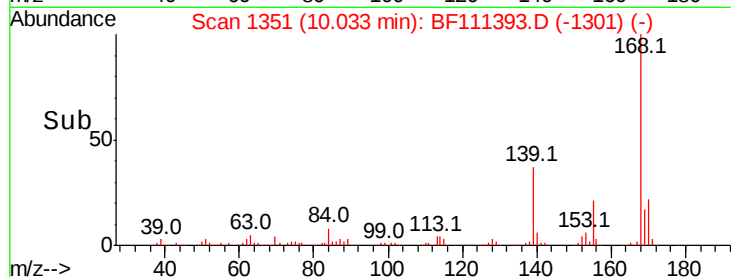
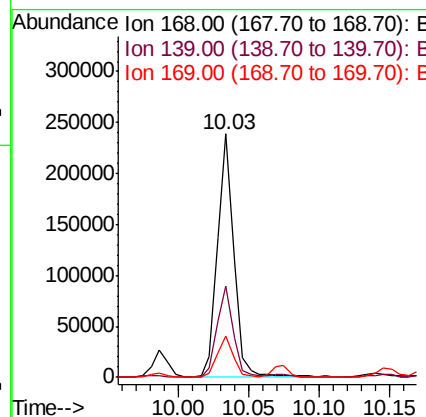
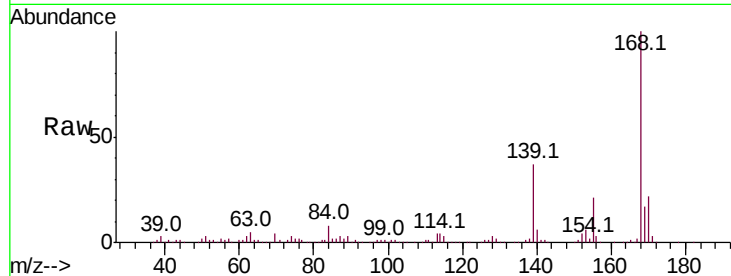
#55
Dibenzofuran
Concen: 4.583 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	32.6	49.0
169	17.2	11.8	17.6

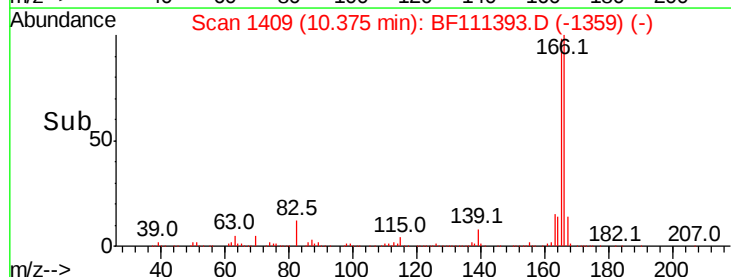
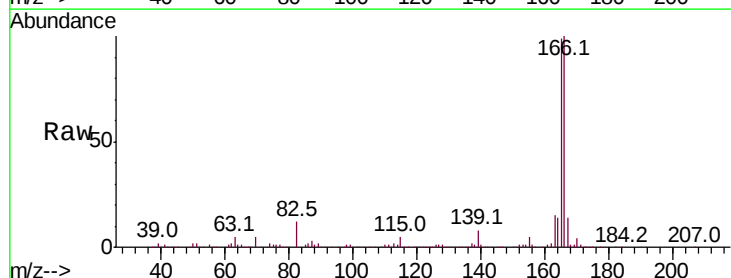
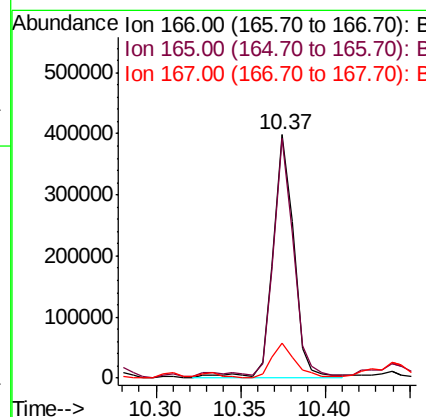
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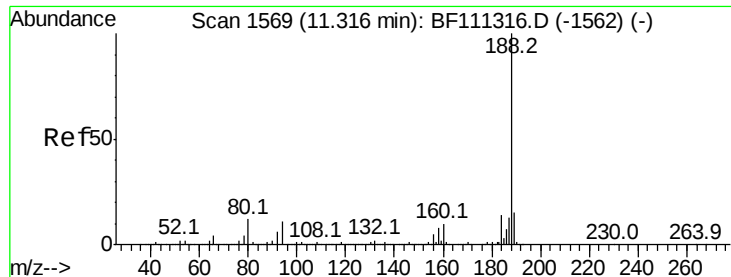
Sohil
12/14/2018 12:53:57 PM



#58
Fluorene
Concen: 11.091 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.4	117.6
167	14.2	11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

Instrument :

BNA_F

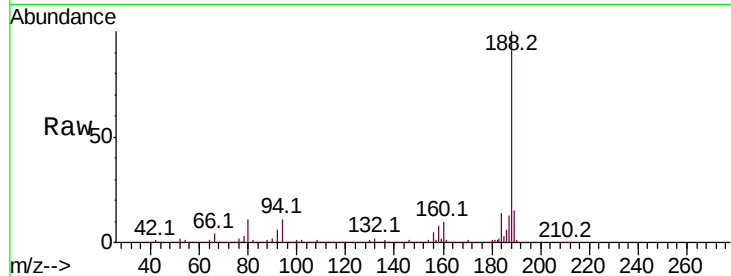
ClientSampled :

TP-5

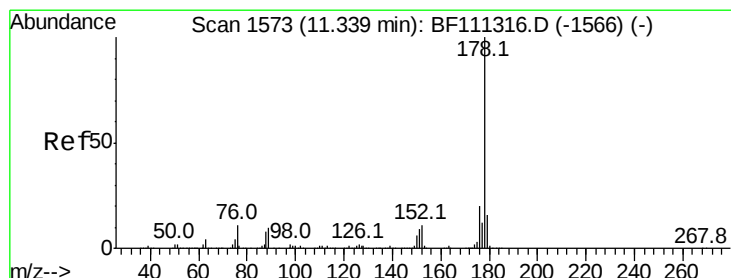
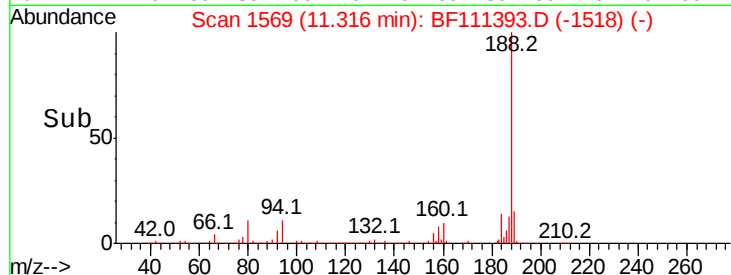
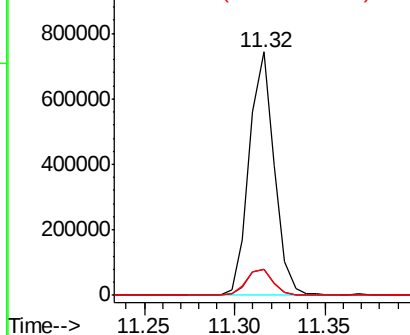
Tot Ion:	188	Resp:	716049
Ion Ratio	Lower	Upper	
188	100		
94	10.8	9.6	14.4
80	10.5	9.8	14.6

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 83.794 ng

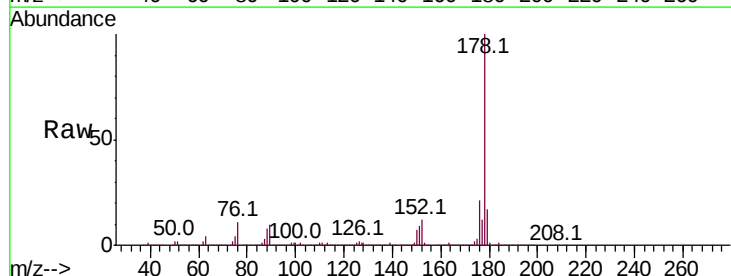
RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

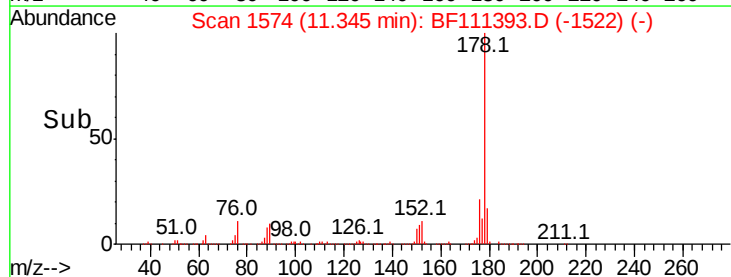
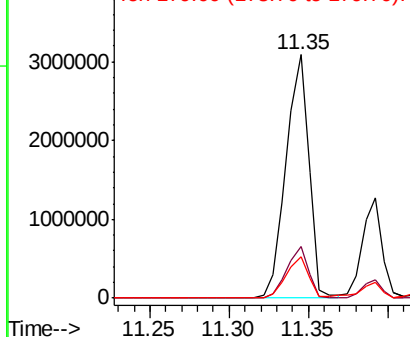
Lab File: BF111393.D

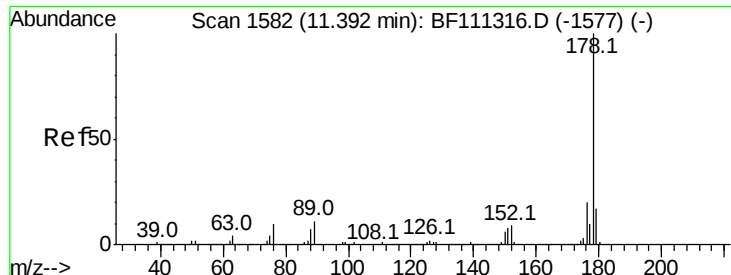
Acq: 14 Dec 2018 1:59

Tgt Ion:	178	Resp:	3101297
Ion Ratio	Lower	Upper	
178	100		
176	21.2	18.1	27.1
179	16.9	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 27.876 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:178 Resp: 1050543

Ion Ratio Lower Upper

178 100

176 18.7 17.2 25.8

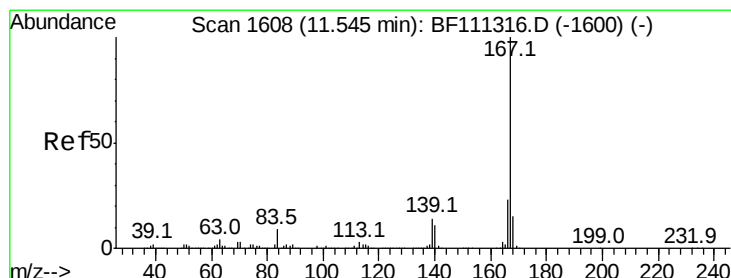
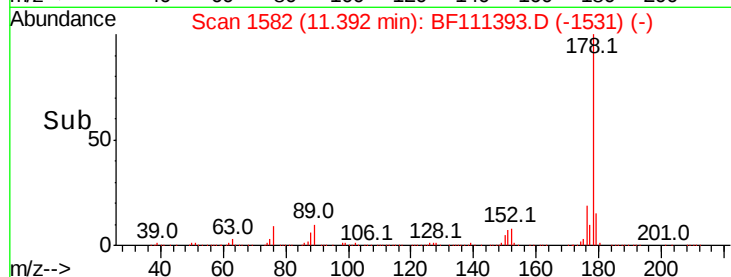
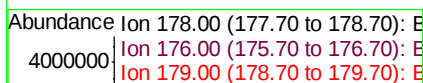
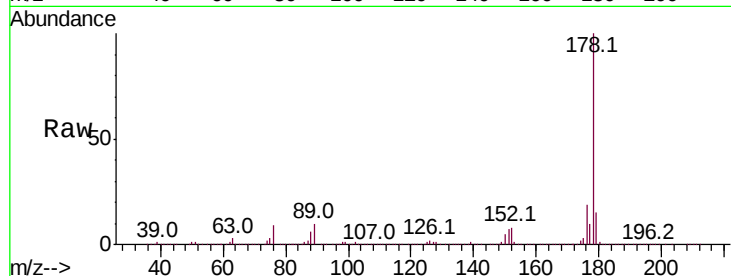
179 15.4 13.8 20.8

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#73

Carbazole

Concen: 5.359 ng

RT: 11.55 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

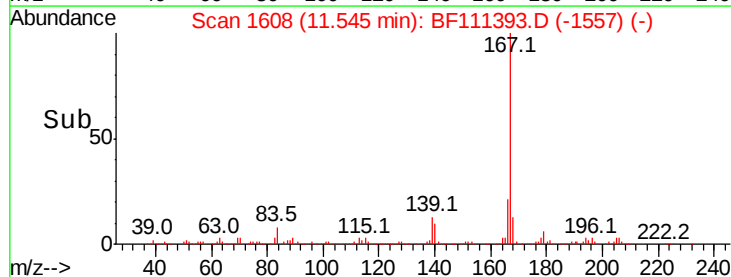
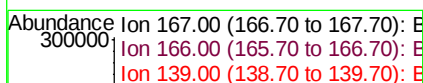
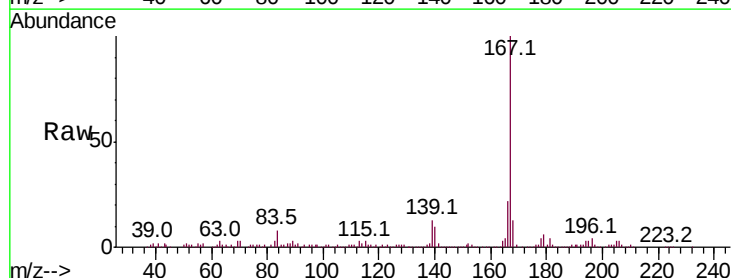
Tgt Ion:167 Resp: 208804

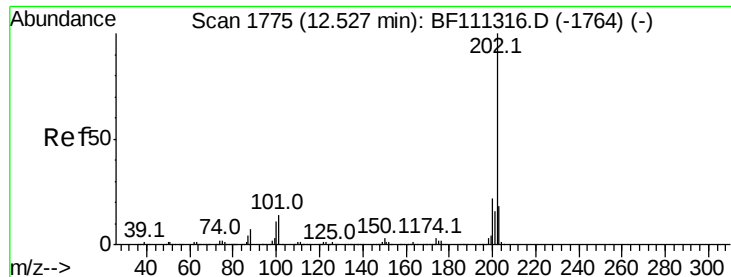
Ion Ratio Lower Upper

167 100

166 21.8 19.3 28.9

139 12.9 11.9 17.9





#75

Fluoranthene

Concen: 110.527 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:202 Resp: 3993476

Ion Ratio Lower Upper

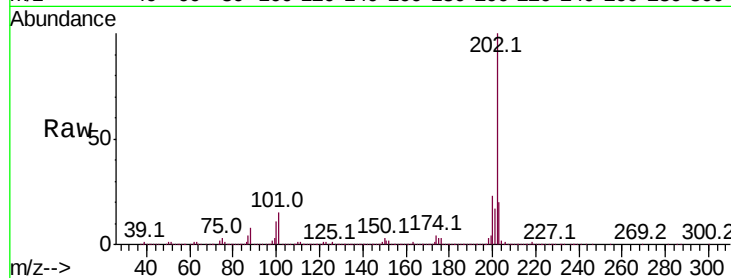
202 100

101 14.9 0.0 33.8

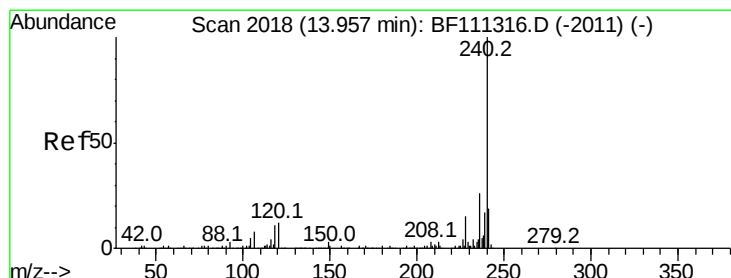
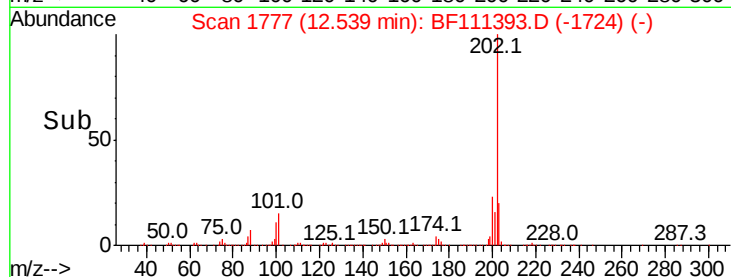
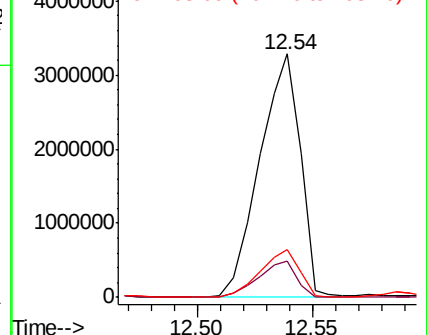
203 19.7 0.0 38.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

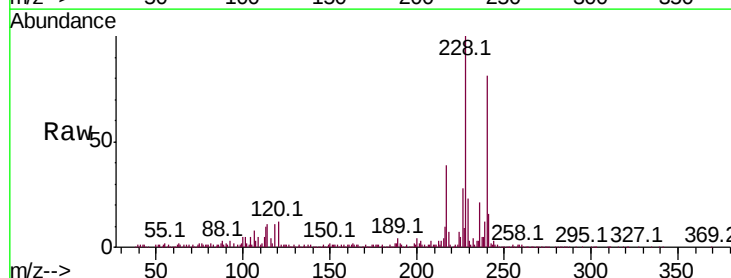
Tgt Ion:240 Resp: 419036

Ion Ratio Lower Upper

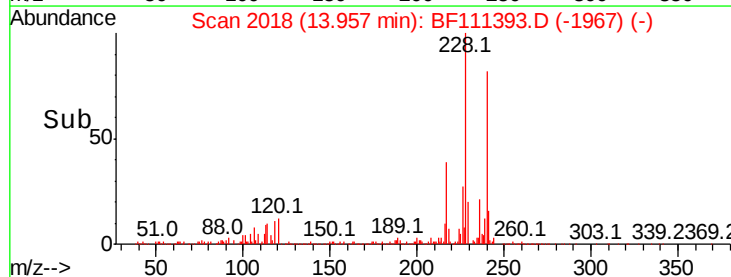
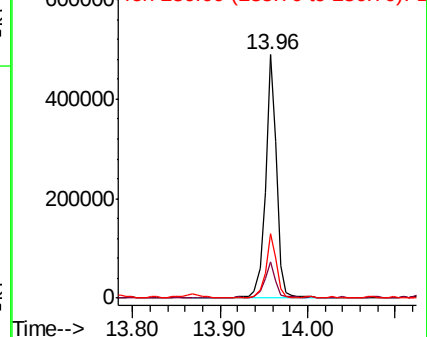
240 100

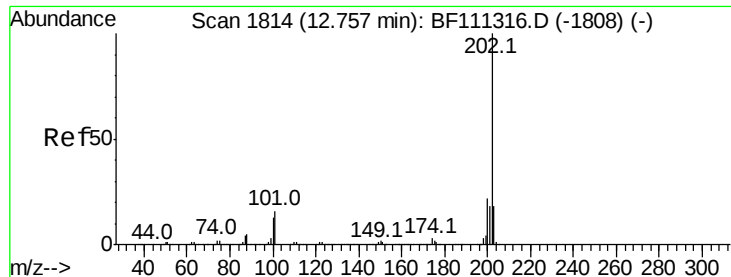
120 15.1 12.2 18.2

236 26.2 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





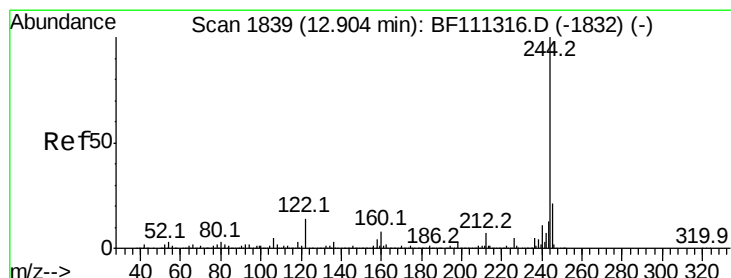
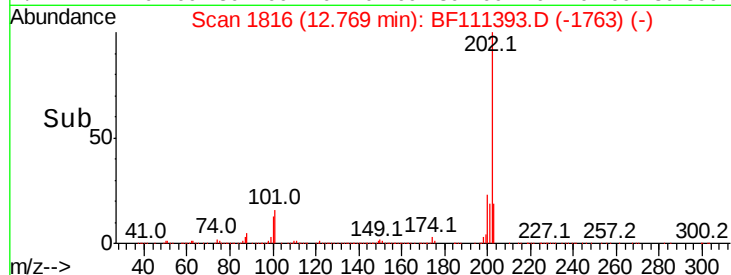
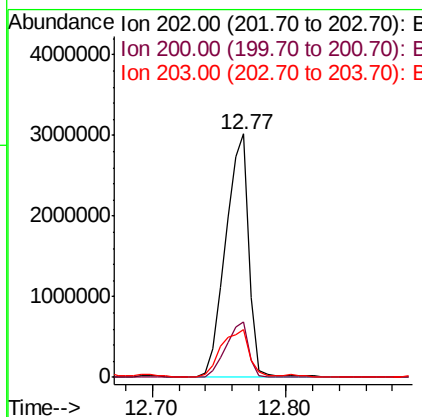
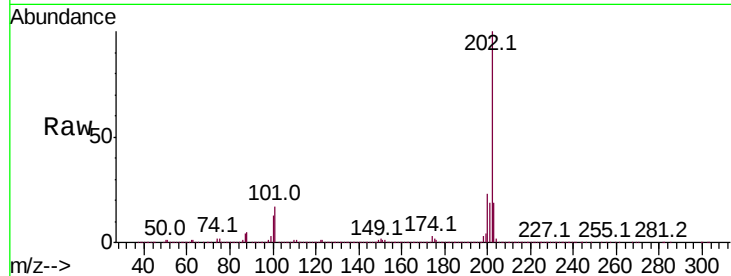
#78
Pvrene
Concen: 114.074 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:202 Resp: 3689149
Ion Ratio Lower Upper
202 100
200 23.0 19.0 28.4
203 19.4 15.2 22.8

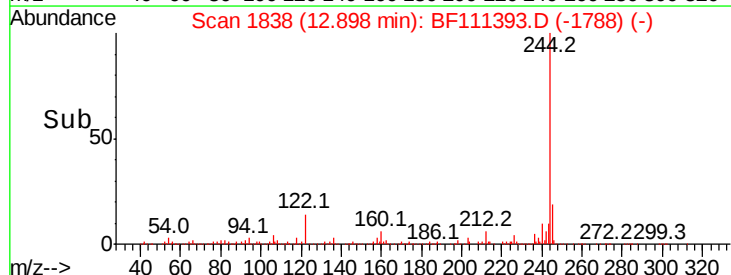
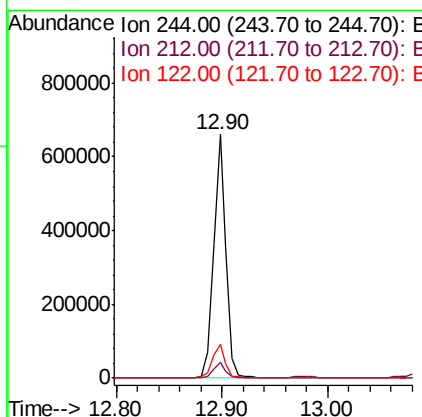
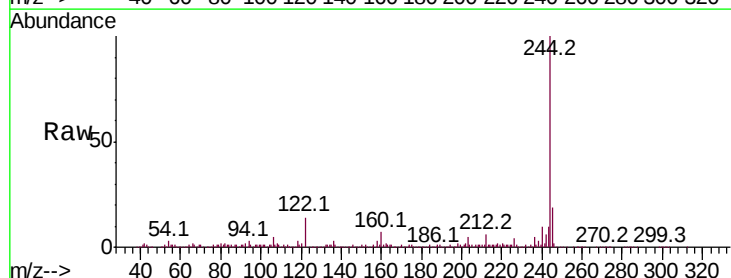
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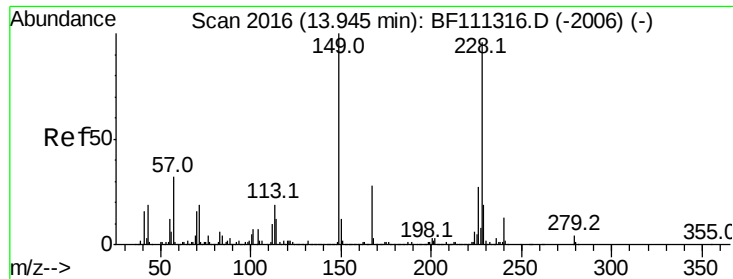
Sohil
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#79
Terphenyl-d14
Concen: 28.470 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion:244 Resp: 542046
Ion Ratio Lower Upper
244 100
212 6.3 5.7 8.5
122 13.8 13.1 19.7





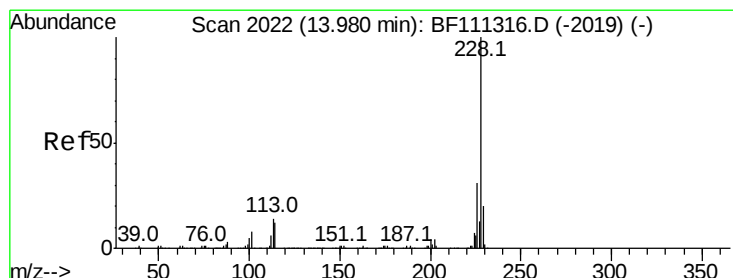
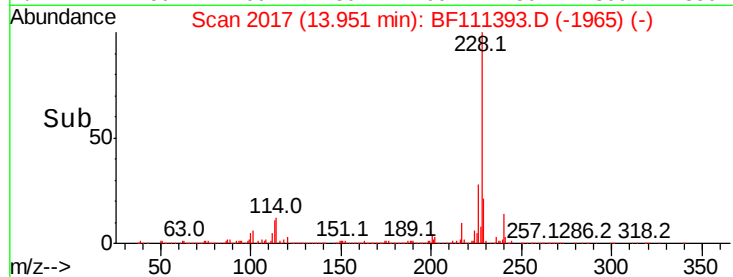
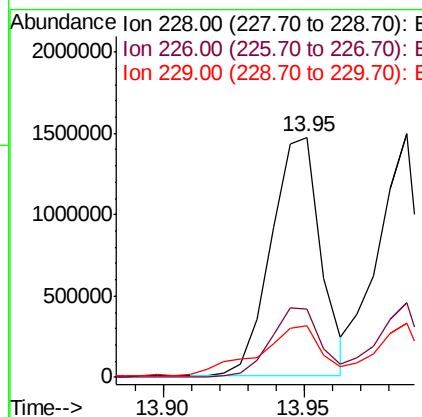
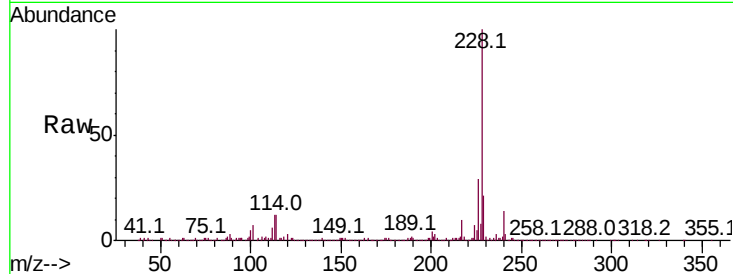
#81
Benzo(a)anthracene
Concen: 76.710 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:228 Resp: 1798507
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 21.2 16.3 24.5

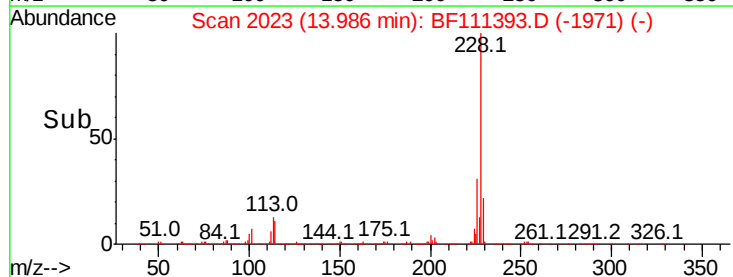
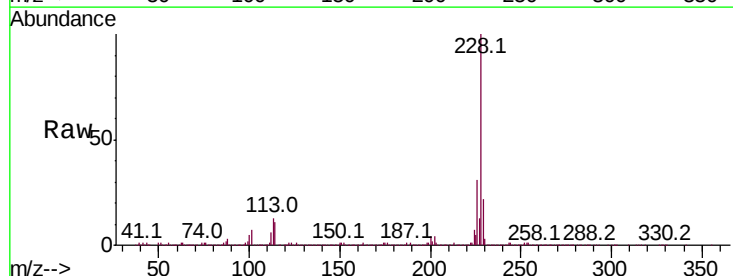
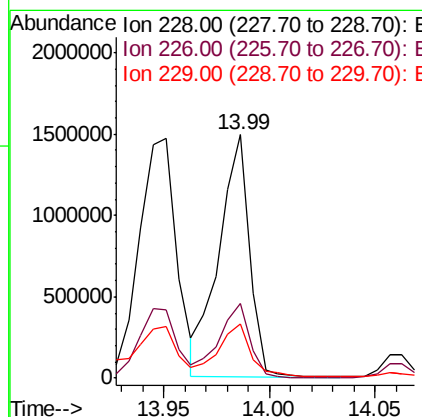
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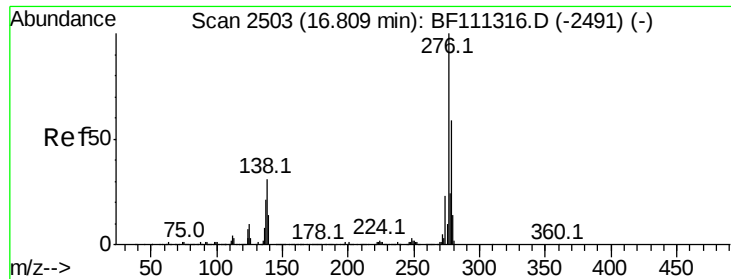
Sohil
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#83
Chrysene
Concen: 62.612 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion:228 Resp: 1497720
Ion Ratio Lower Upper
228 100
226 30.7 25.3 37.9
229 22.5 17.2 25.8





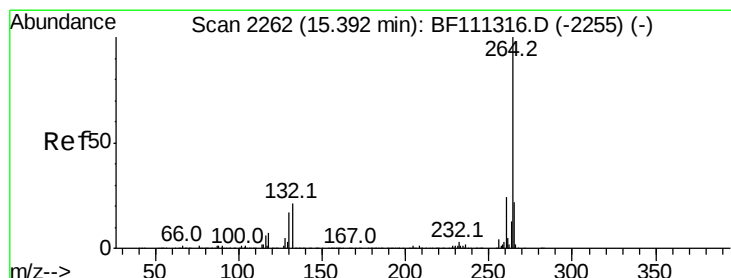
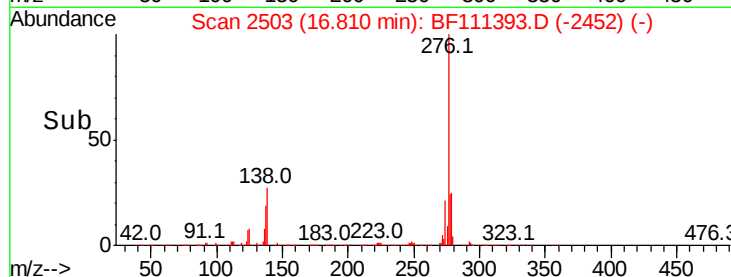
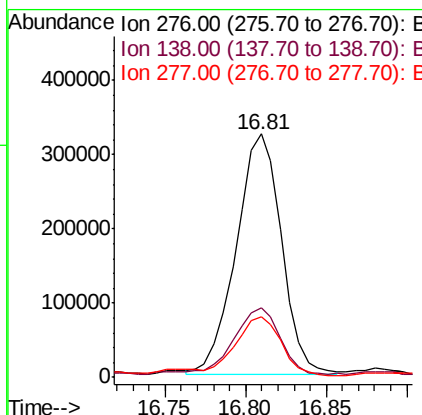
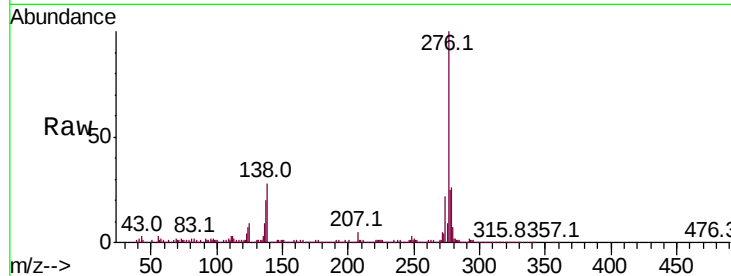
#86
Indeno(1,2,3-cd)pyrene
Concen: 34.019 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.00 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.5	27.8	41.6#
277	4.8	20.1	30.1#

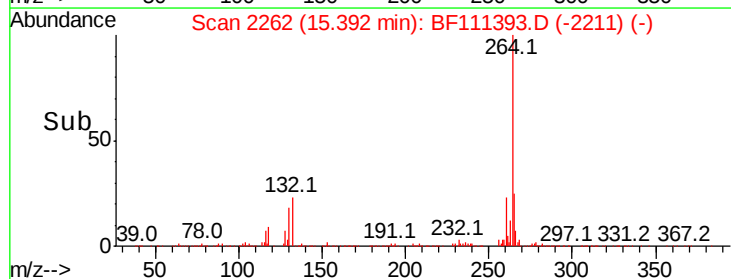
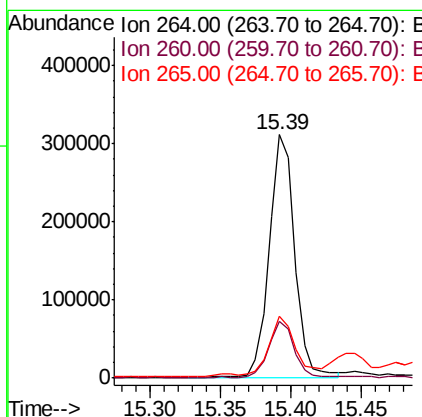
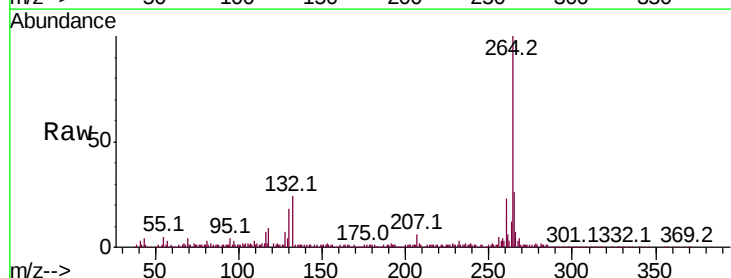
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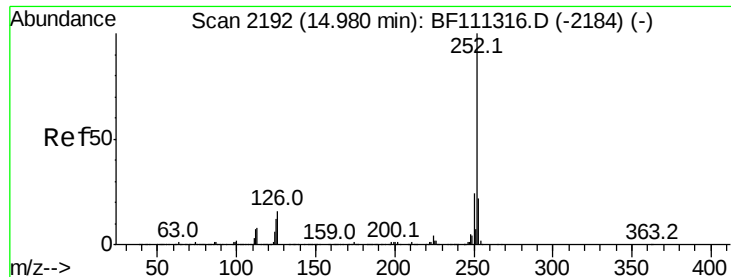
Sohil
12/14/2018 12:53:57 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	25.5	17.7	26.5





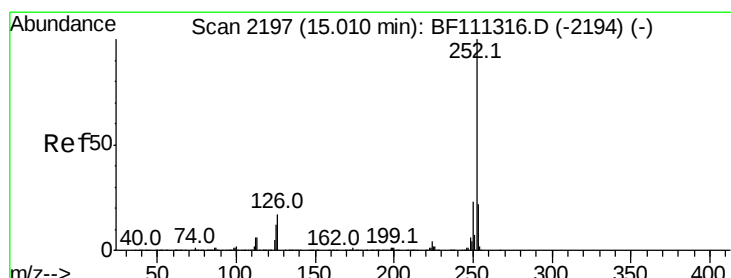
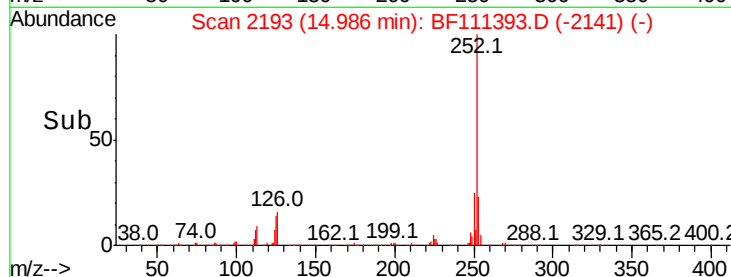
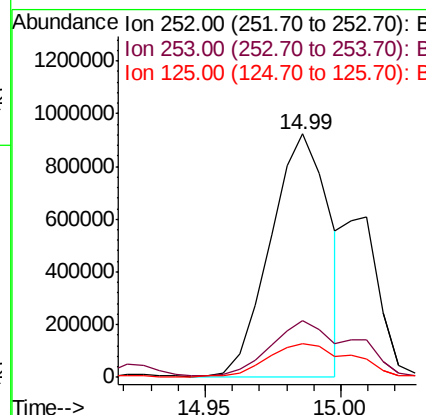
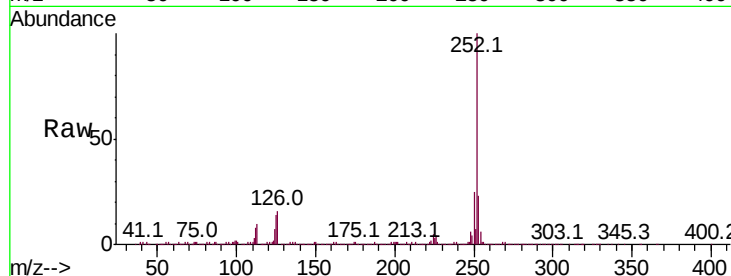
#88
Benzo(b)fluoranthene
Concen: 62.477 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	13.9	10.4	15.6

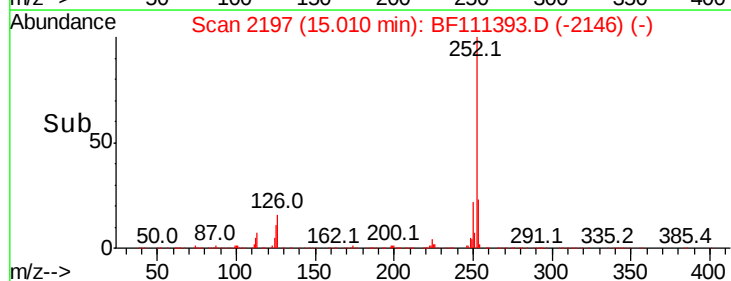
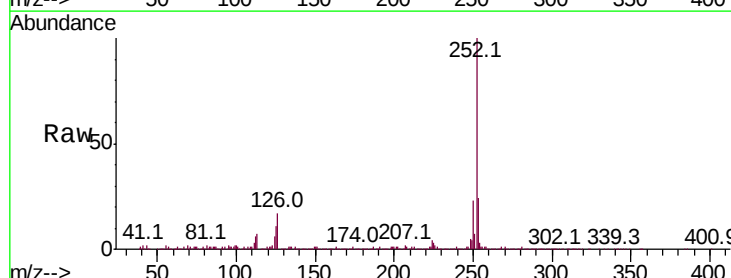
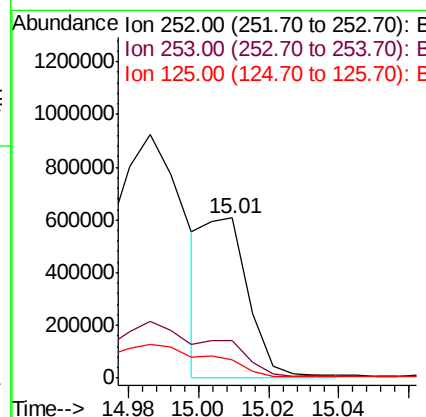
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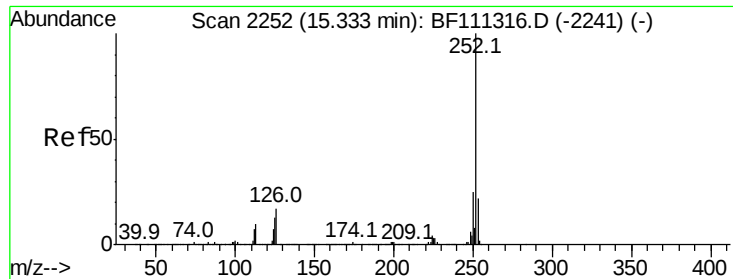
Sohil
12/14/2018 12:53:57 PM



#89
Benzo(k)fluoranthene
Concen: 24.086 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.4	9.8	14.8





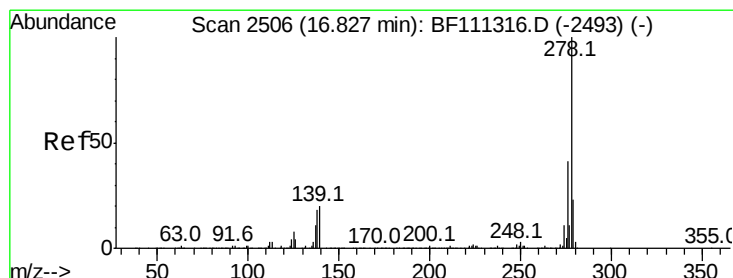
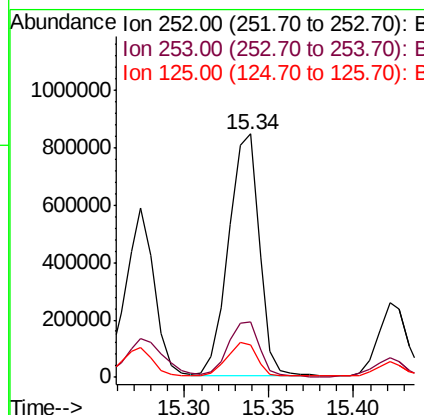
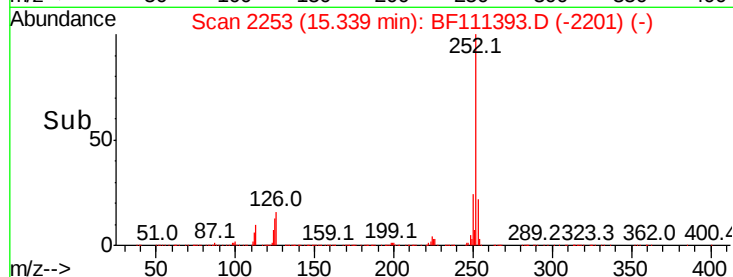
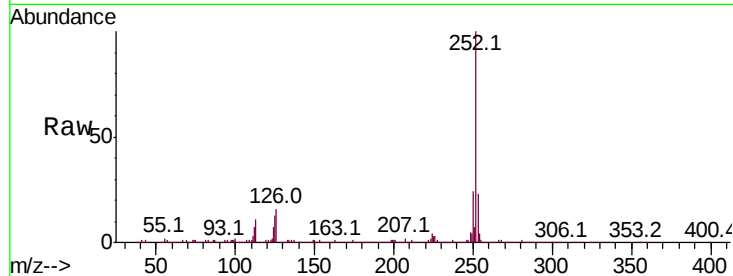
#90
Benzo(a)pyrene
Concen: 51.371 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	13.1	12.3	18.5

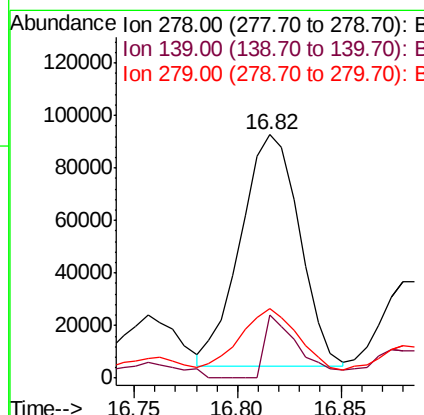
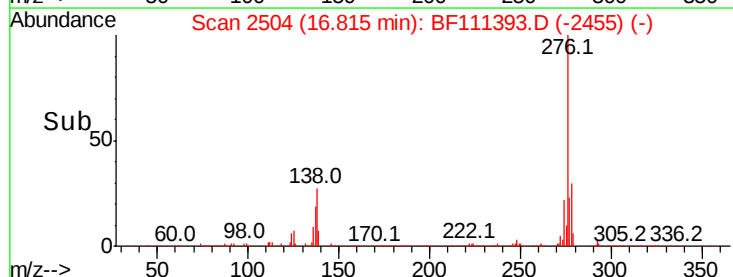
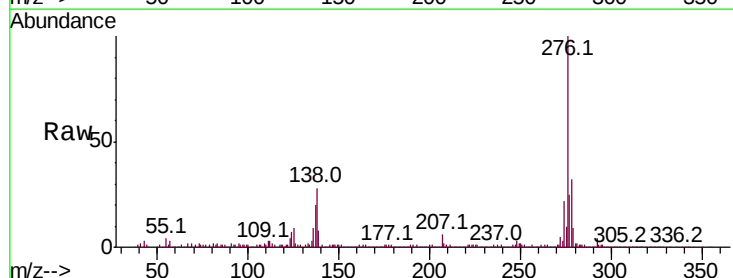
Manual Integrations
APPROVED

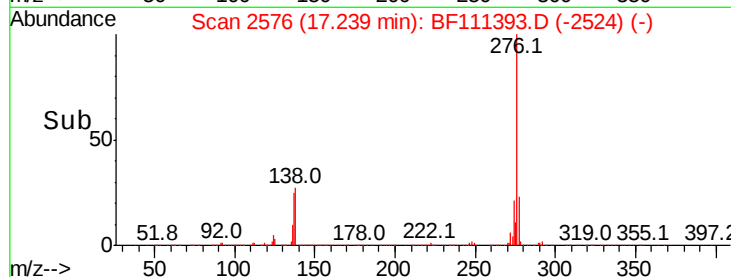
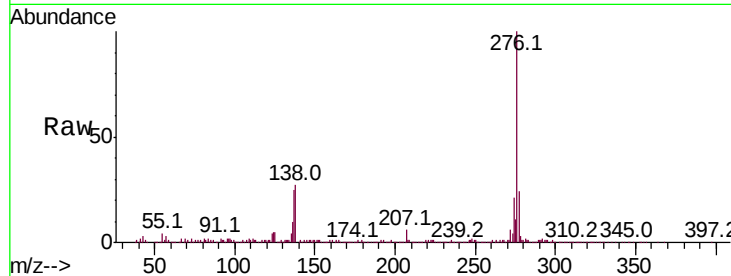
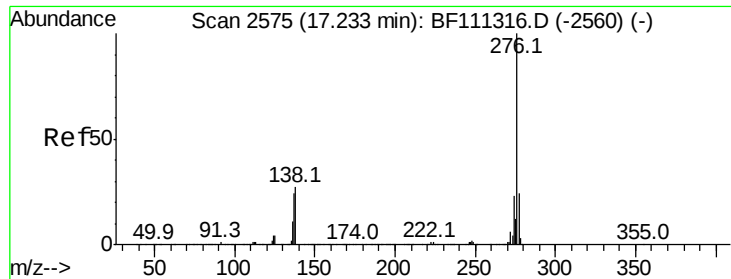
Sohil
12/14/2018 12:53:57 PM



#91
Dibenzo(a,h)anthracene
Concen: 10.003 ng m
RT: 16.82 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BF111393.D
Acq: 14 Dec 2018 1:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.1	18.2	27.4
279	28.8	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 33.121 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF111393.D

Acq: 14 Dec 2018 1:59

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion: 276 Resp: 576739

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 27.5 24.9 37.3

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12/14/2018 12:53:57 PM

