

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
 Data File : BF111508.D
 Acq On : 16 Dec 2018 15:03
 Operator : JU/SJ
 Sample : J6208-17 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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Sohil
 12/17/2018 11:19:45 AM

Quant Time: Dec 17 07:05:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	189633	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	763172	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	348959	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	492081	20.00	ng	-0.01
76) Chrysene-d12	13.95	240	358954	20.00	ng	0.00
87) Perylene-d12	15.39	264	336603	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	599088	52.57	ng	-0.01
7) Phenol-d6	6.43	99	784374	51.75	ng	-0.01
23) Nitrobenzene-d5	7.35	82	481532	37.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	111604	35.70	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	688235	30.46	ng	-0.01
79) Terphenyl-d14	12.89	244	384326	25.14	ng	0.00
Target Compounds						
10) Phenol	6.44	94	56715	3.359	ng	Qvalue 90
49) Acenaphthylene	9.68	152	113278	3.396	ng	95
50) Dimethylphthalate	9.53	163	75306	2.996	ng	97
52) Acenaphthene	9.85	154	164312	7.793	ng	98
55) Dibenzofuran	10.03	168	136640	4.464	ng	95
58) Fluorene	10.37	166	248139	11.178	ng	98
71) Phenanthrene	11.34	178	2414050	95.206	ng	96
72) Anthracene	11.39	178	749780	28.914	ng	94
73) Carbazole	11.53	167	139423	5.199	ng	94
75) Fluoranthene	12.53	202	3098178	124.898	ng	98
78) Pyrene	12.76	202	2860840	113.043	ng	98
81) Benzo(a)anthracene	13.94	228	1613153	82.651	ng	99
83) Chrysene	13.98	228	1357414	66.019	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	443439m	29.883	ng	
88) Benzo(b)fluoranthene	14.98	252	1511643m	77.029	ng	
89) Benzo(k)fluoranthene	15.00	252	583048m	31.093	ng	
90) Benzo(a)pyrene	15.33	252	1069208m	60.419	ng	
91) Dibenzo(a,h)anthracene	16.80	278	129761	9.295	ng	95
92) Benzo(a,h,i)perylene	17.23	276	372596	27.192	ng	# 92

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

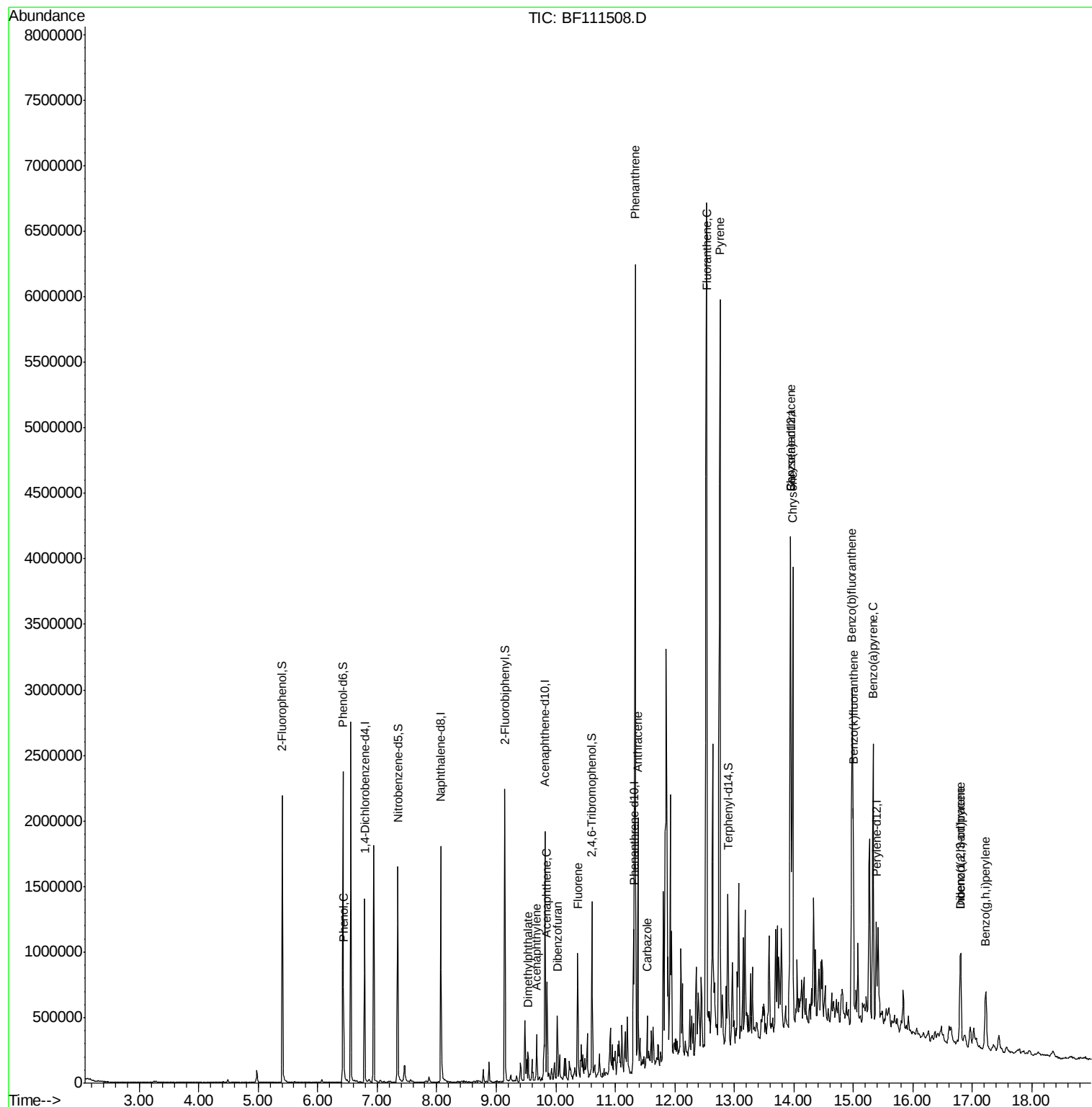
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

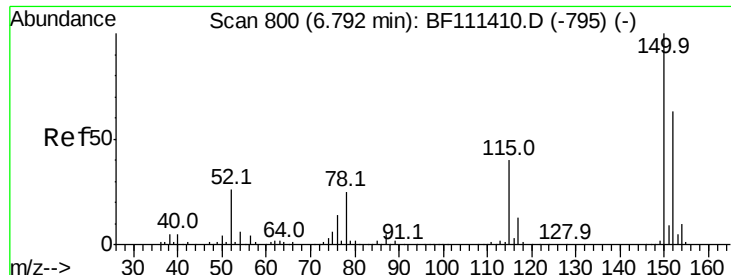
Instrument :
BNA_F
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Instrument :

BNA_F

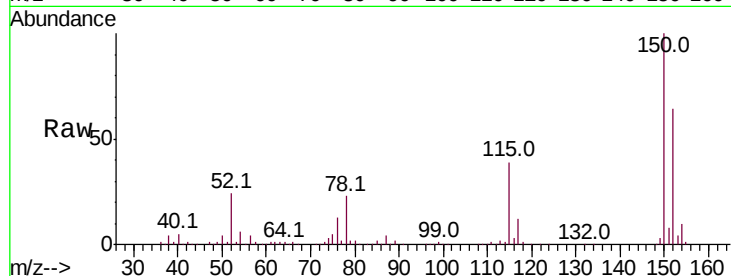
ClientSampled :

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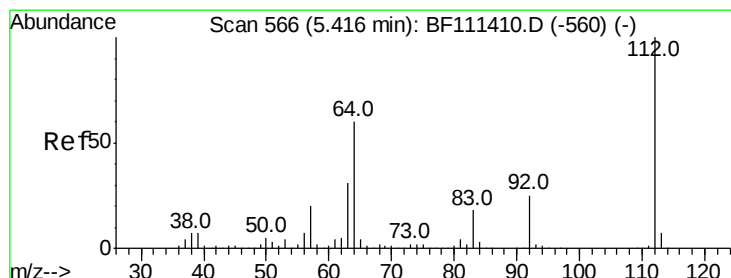
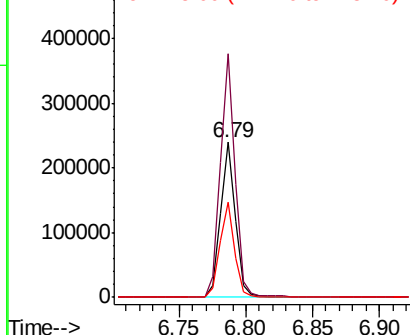
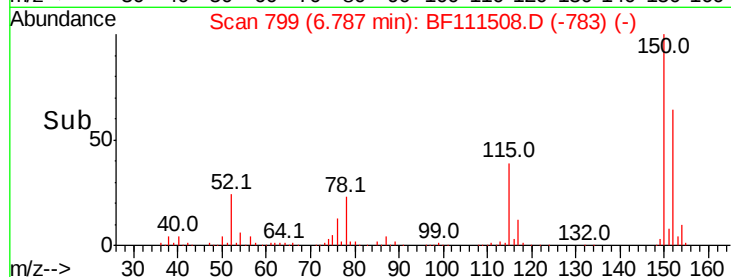
Tot Ion:	152	Resp:	189633
Ion Ratio	Lower	Upper	
152	100		
150	157.1	126.6	189.8
115	61.5	50.7	76.1

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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: 52.571 ng

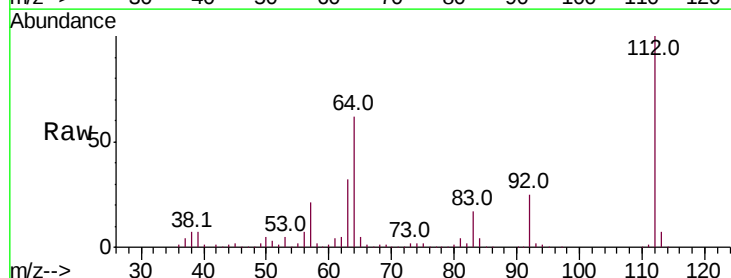
RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

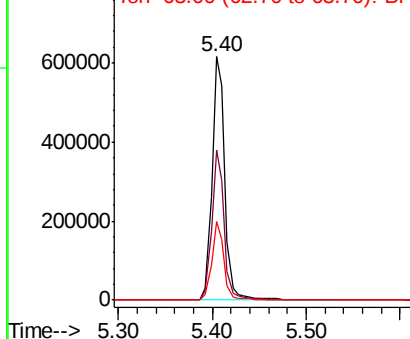
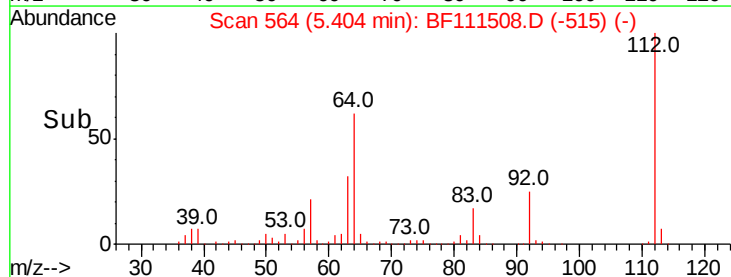
Lab File: BF111508.D

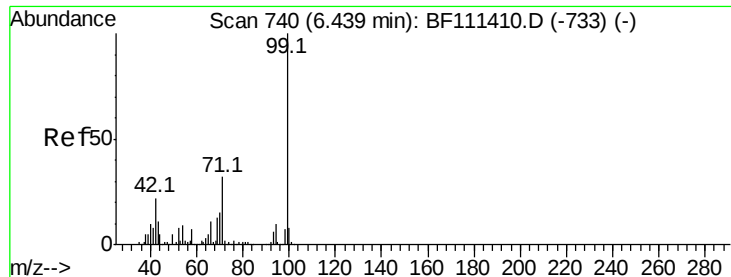
Acq: 16 Dec 2018 15:03

Tgt Ion:	112	Resp:	599088
Ion Ratio	Lower	Upper	
112	100		
64	61.5	51.8	77.6
63	32.0	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: 51.745 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Instrument :

BNA_F

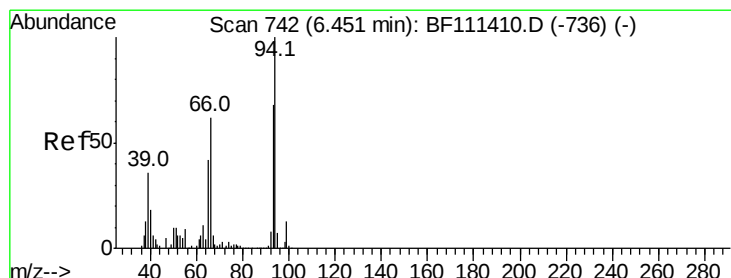
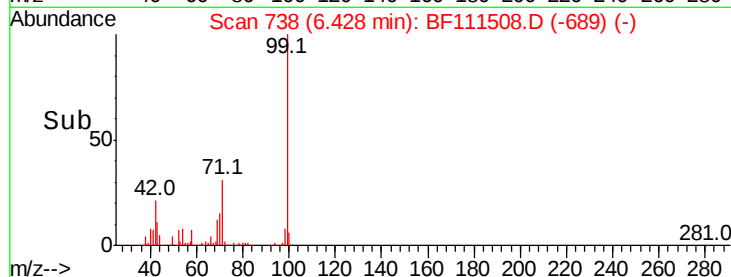
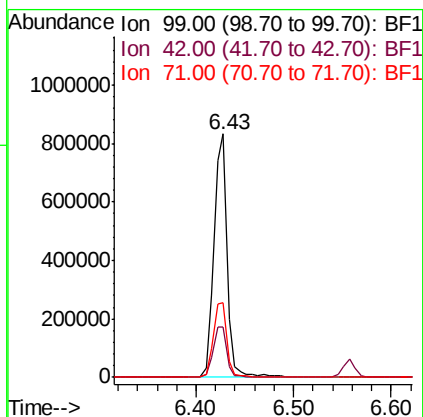
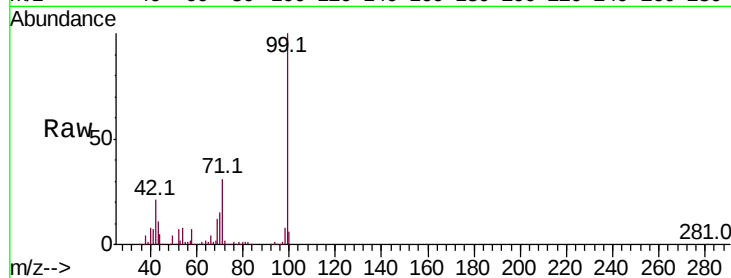
ClientSampled :

TP-5

Tot Ion:	99	Resp:	784374
Ion Ratio	Lower	Upper	
99	100		
42	20.8	17.4	26.0
71	30.8	26.1	39.1

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#10

Phenol

Concen: 3.359 ng

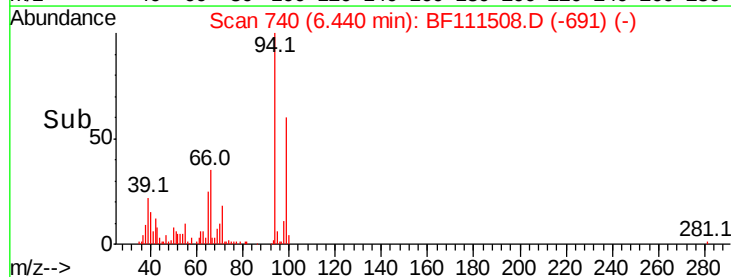
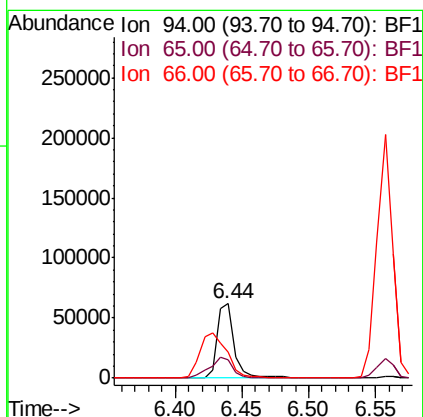
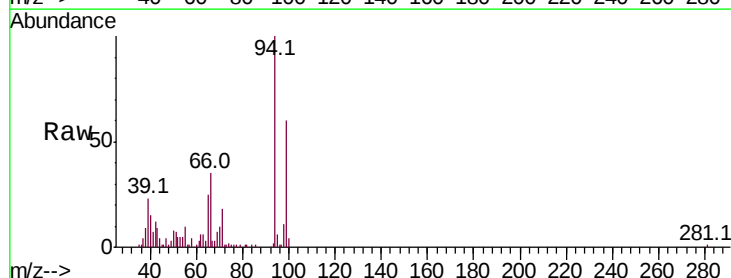
RT: 6.44 min Scan# 740

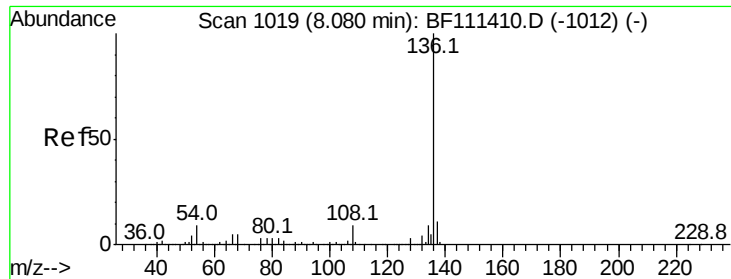
Delta R.T. -0.01 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Tgt Ion:	94	Resp:	56715
Ion Ratio	Lower	Upper	
94	100		
65	25.3	11.7	51.7
66	35.4	21.0	61.0





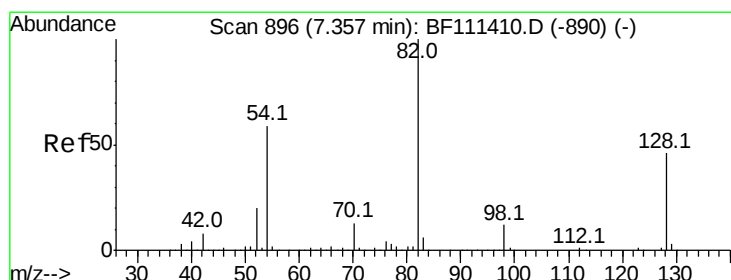
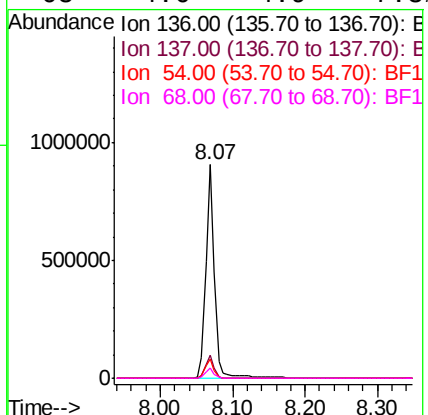
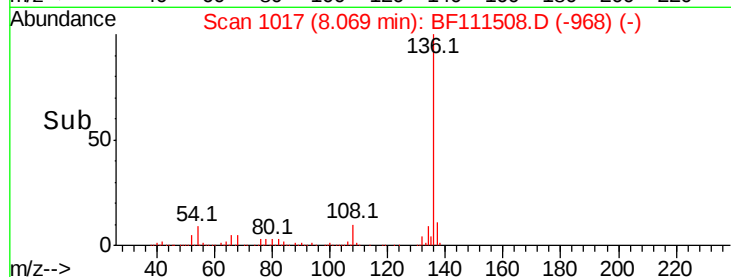
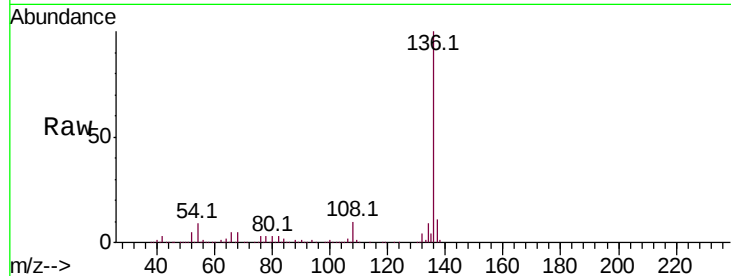
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	9.0	7.7	11.5	
68	4.6	4.9	7.3#	

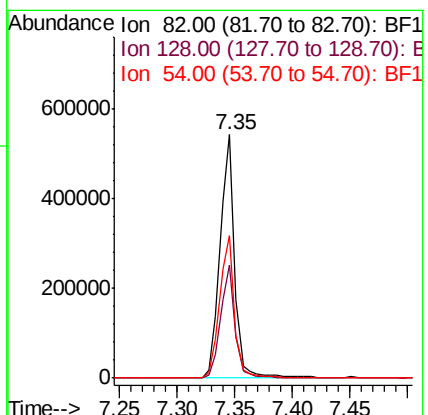
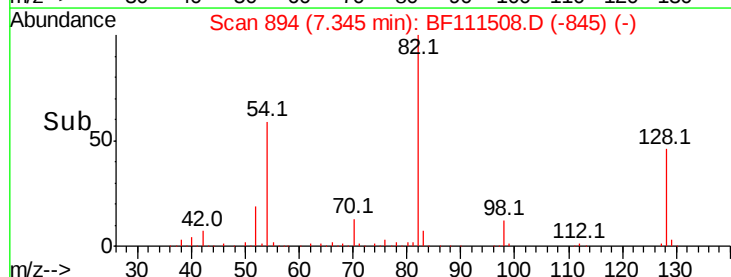
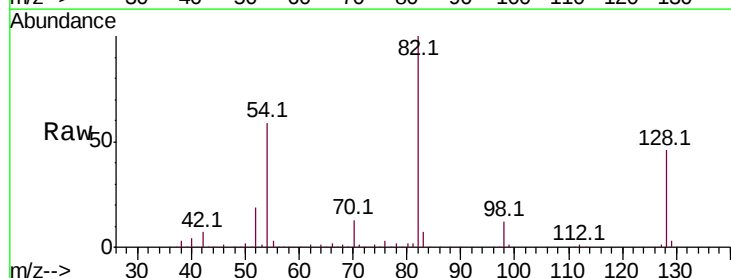
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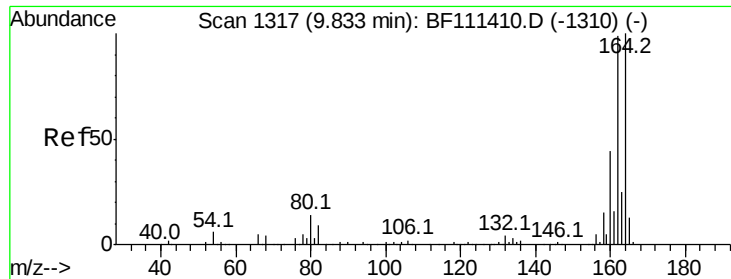
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#23
Nitrobenzene-d5
Concen: 37.573 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	37.4	56.2	
54	58.6	47.6	71.4	





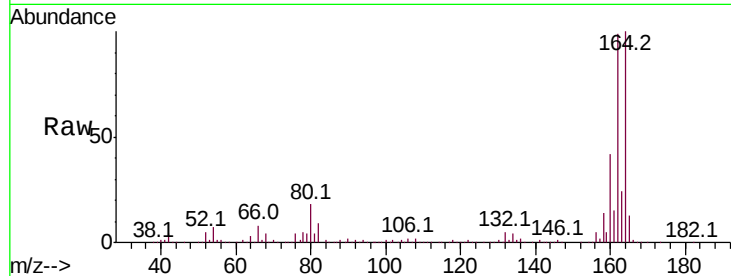
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampled :
TP-5

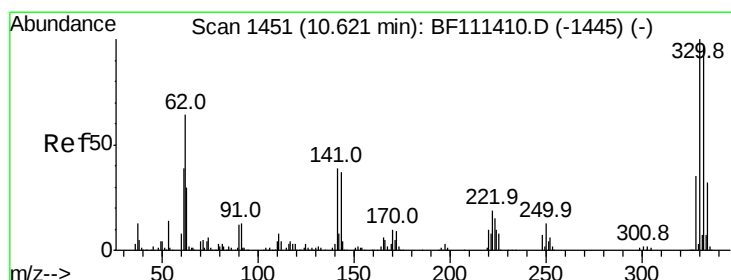
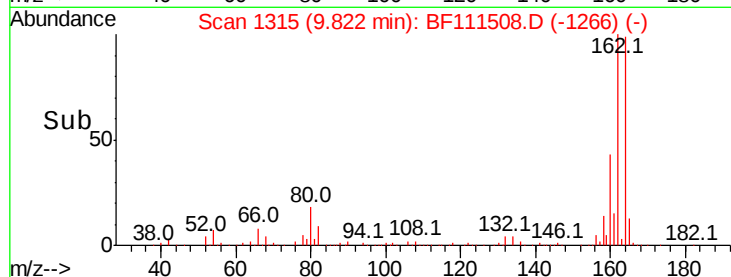
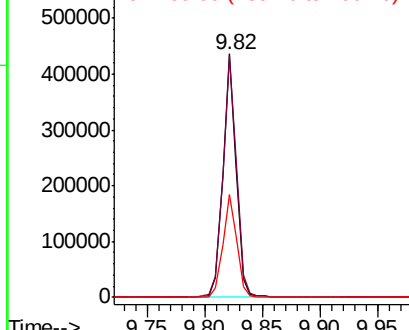
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.4	122.0
160	42.1	35.7	53.5

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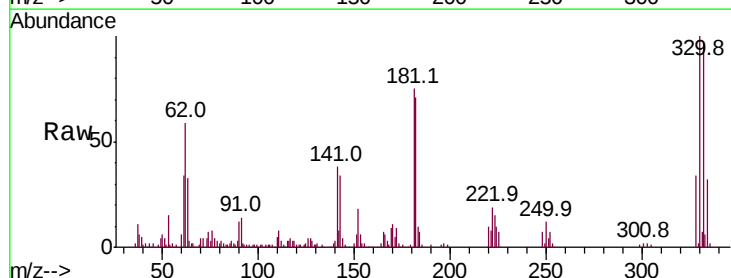


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

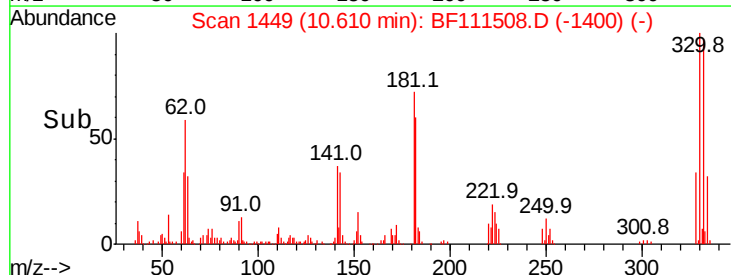
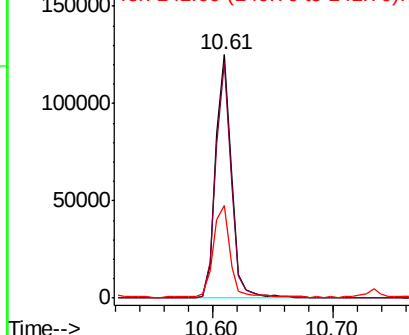


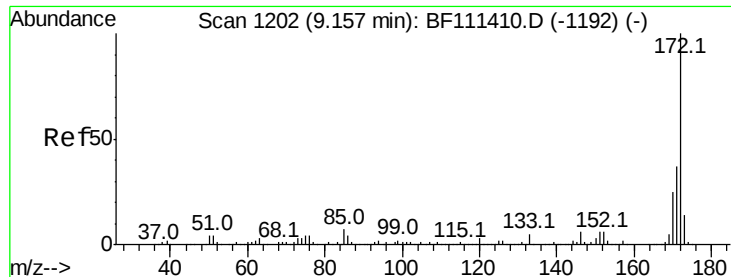
#42
2,4,6-Tribromophenol
Concen: 35.703 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.0	114.0
141	41.5	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





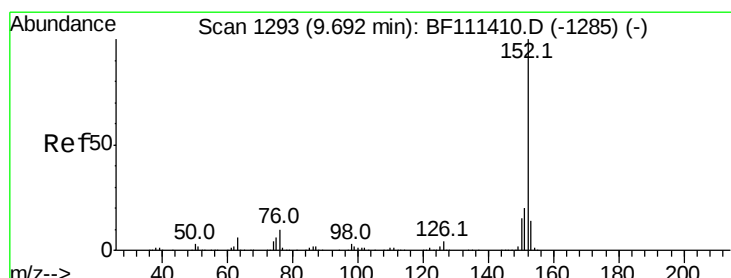
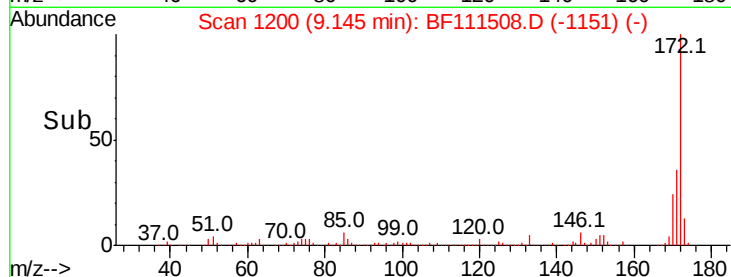
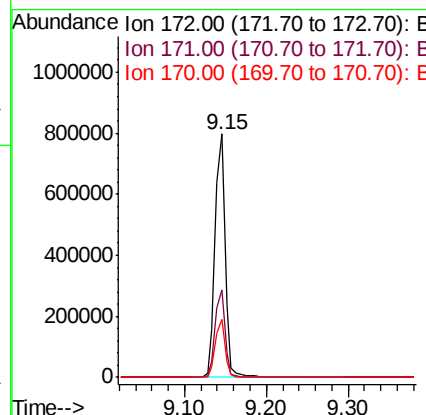
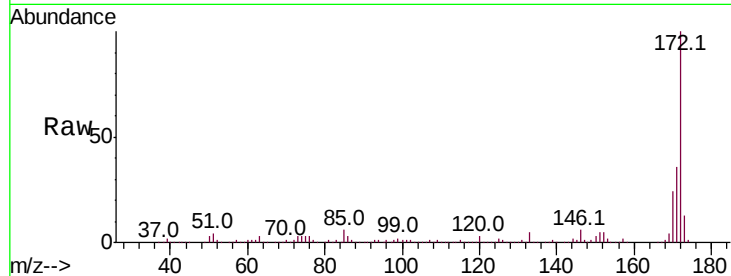
#45
2-Fluorobiphenyl
Concen: 30.464 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	688235		
171	35.8		33.0	49.4
170	23.6		22.3	33.5

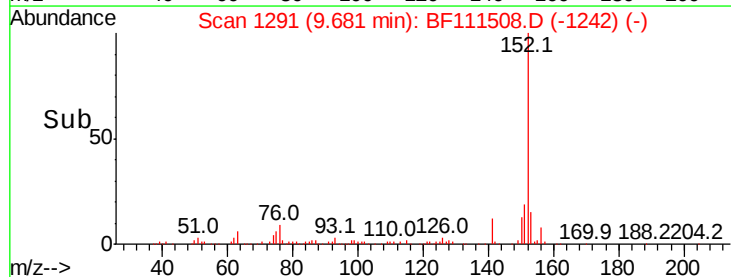
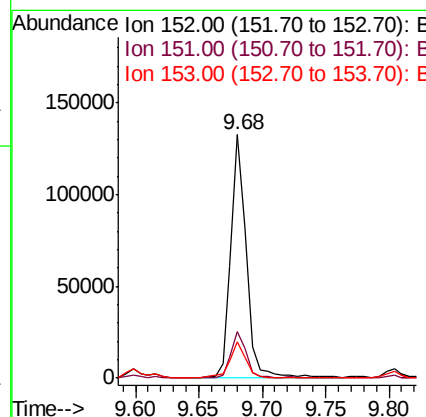
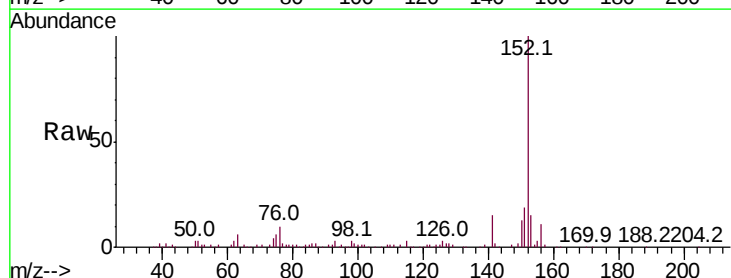
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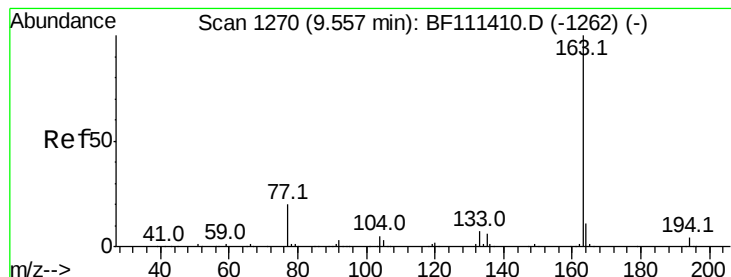
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#49
Acenaphthylene
Concen: 3.396 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	113278		
151	18.9		18.0	27.0
153	15.0		12.3	18.5





#50

Dimethylphthalate

Concen: 2.996 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Instrument :

BNA_F

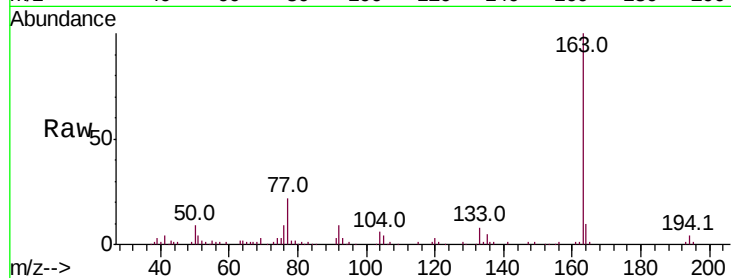
ClientSampleId :

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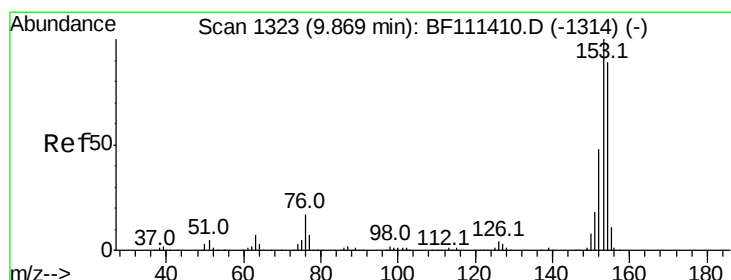
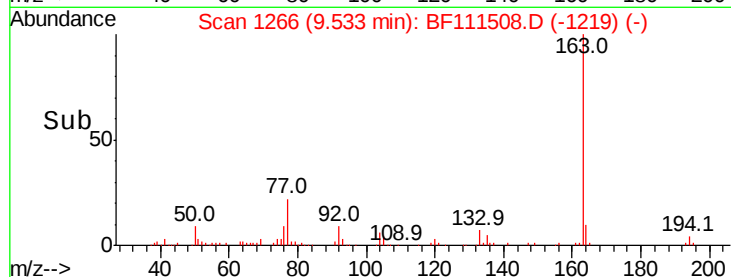
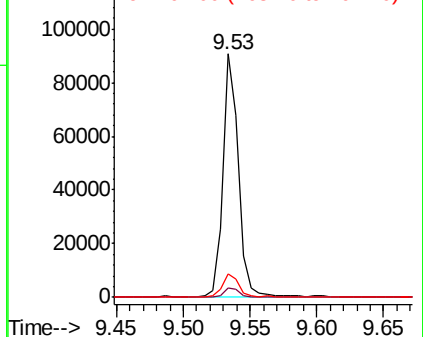
Tot Ion:	163	Resp:	75306
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.6	8.9	13.3

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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: 7.793 ng

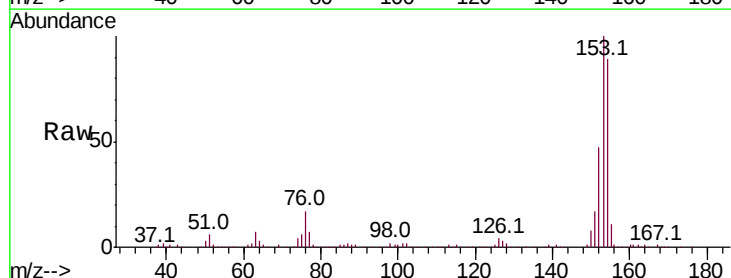
RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

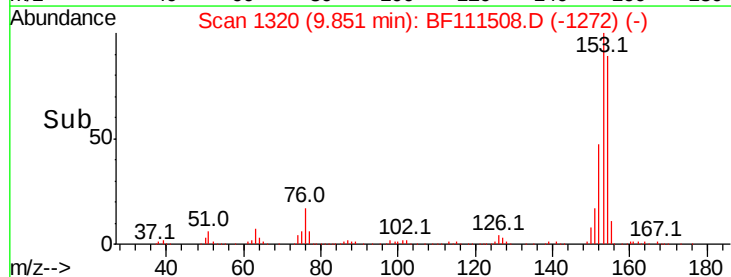
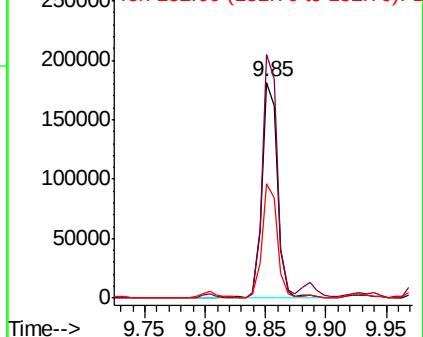
Lab File: BF111508.D

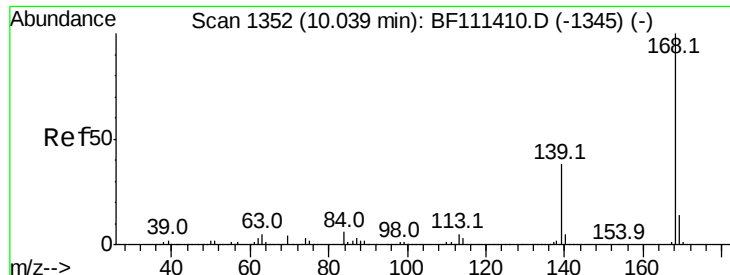
Acq: 16 Dec 2018 15:03

Tgt Ion:	154	Resp:	164312
Ion Ratio	Lower	Upper	
154	100		
153	112.7	87.8	131.8
152	53.1	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





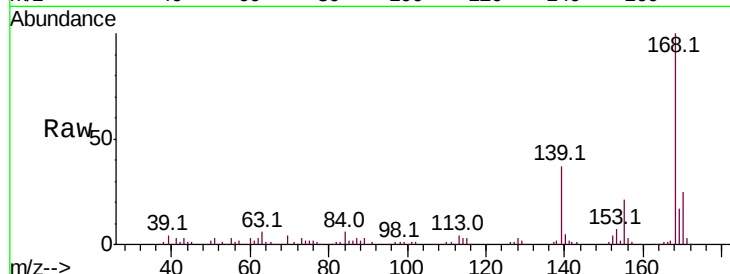
#55
Dibenzofuran
Concen: 4.464 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	32.6	49.0
169	16.5	11.8	17.6

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12/17/2018 11:19:45 AM

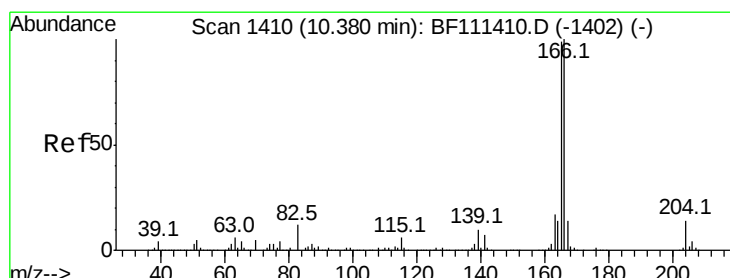
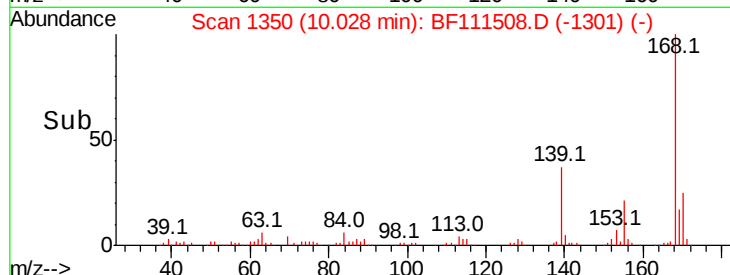
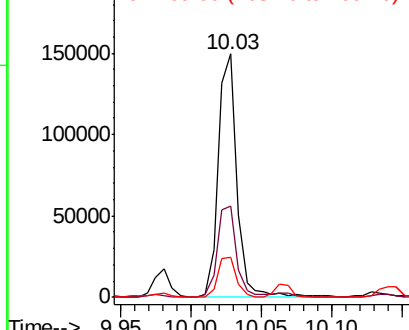


Abundance

Ion 168.00 (167.70 to 168.70): E

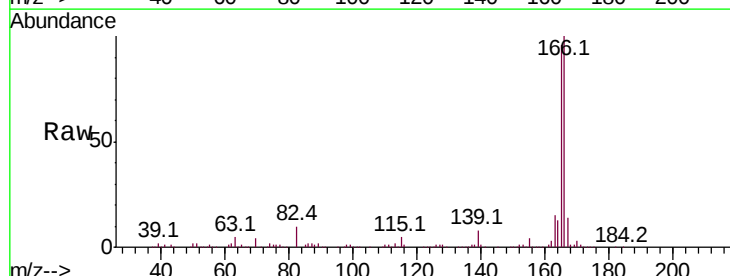
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 11.178 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.0	78.4	117.6
167	14.1	11.2	16.8

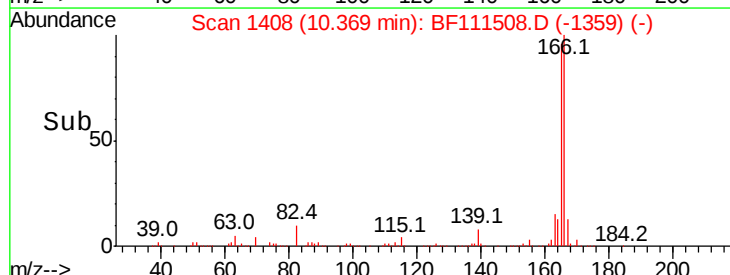
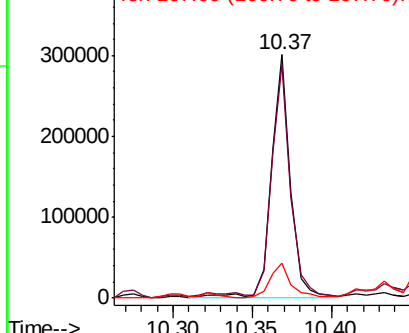


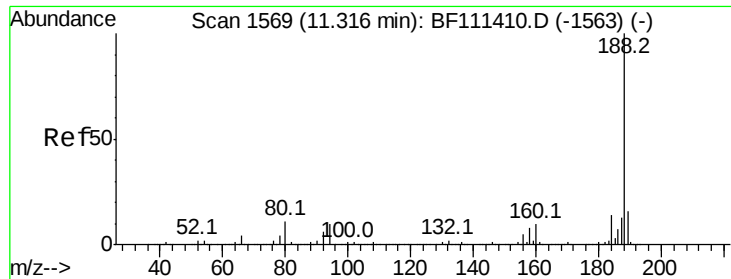
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





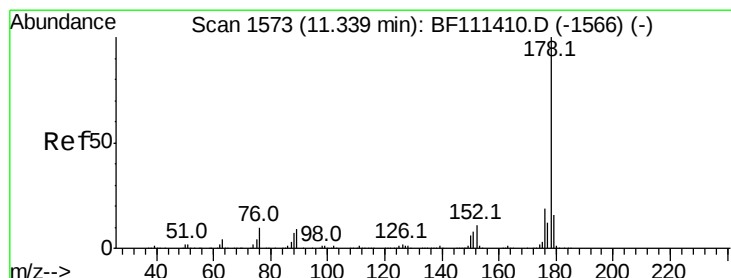
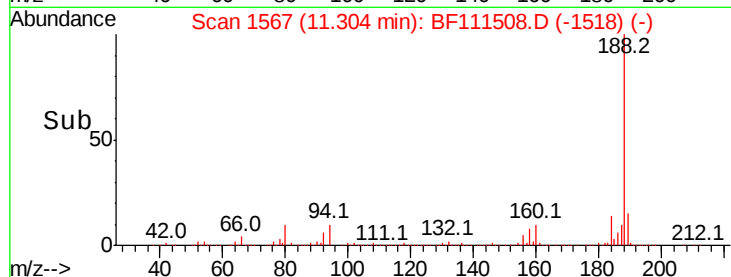
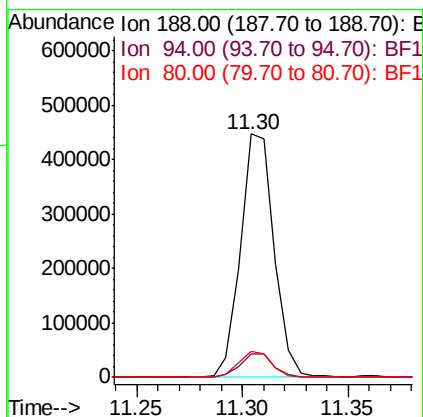
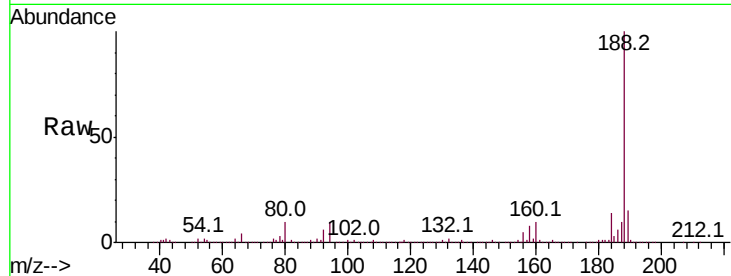
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	492081		
94	9.6		9.6	14.4
80	10.4		9.8	14.6

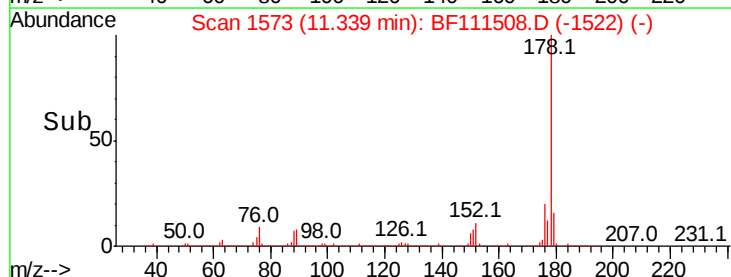
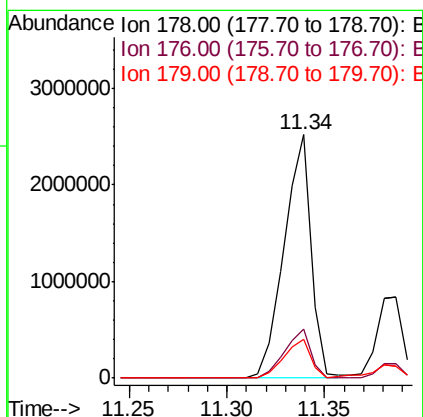
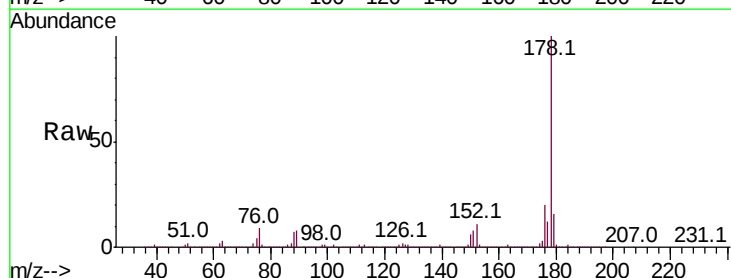
Manual Integrations
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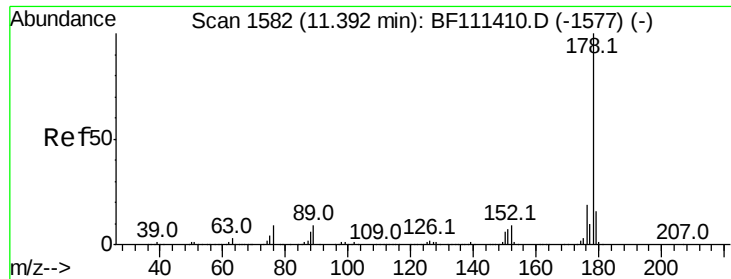
Sohil
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#71
Phenanthrene
Concen: 95.206 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2414050		
176	20.3		18.1	27.1
179	16.1		14.0	21.0





#72

Anthracene

Concen: 28.914 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Instrument :

BNA_F

ClientSampled :

TP-5

Tot Ion:178 Resp: 749780

Ion Ratio Lower Upper

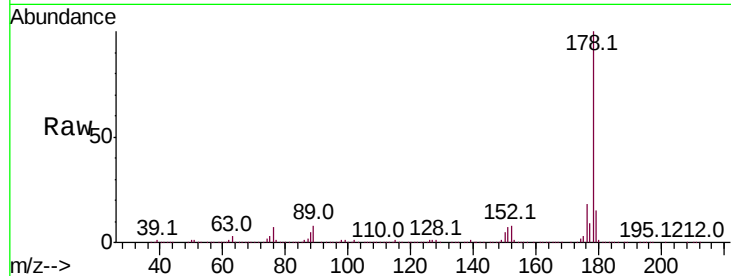
178 100

176 18.4 17.2 25.8

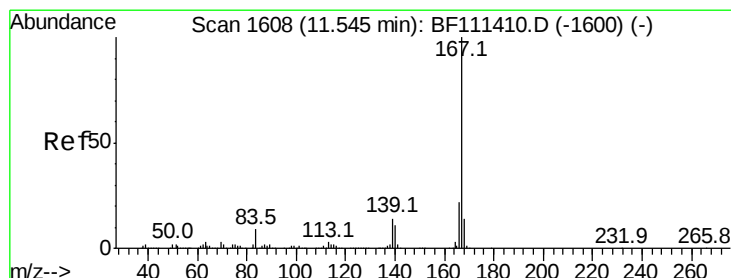
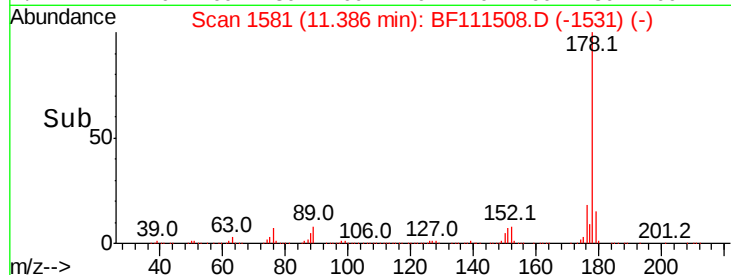
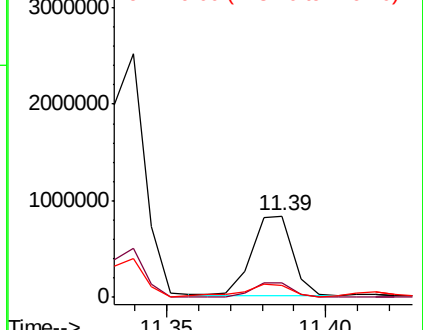
179 15.4 13.8 20.8

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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



#73

Carbazole

Concen: 5.199 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

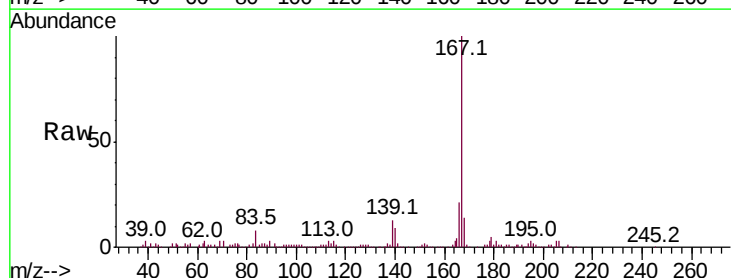
Tgt Ion:167 Resp: 139423

Ion Ratio Lower Upper

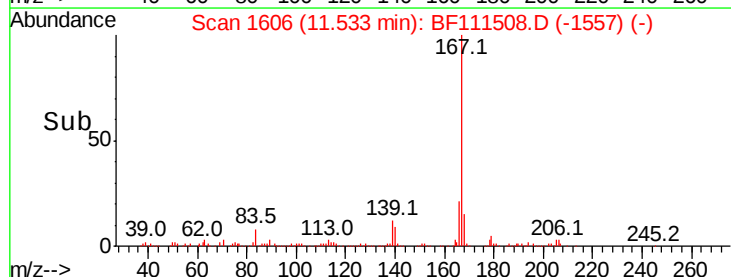
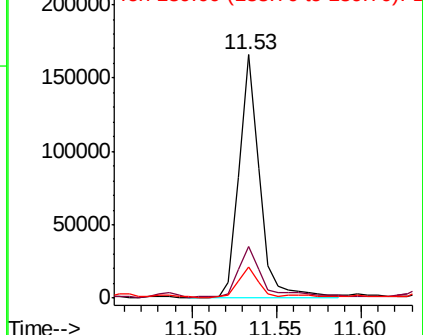
167 100

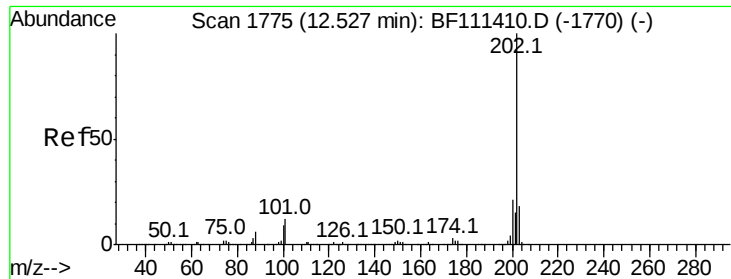
166 21.3 19.3 28.9

139 12.6 11.9 17.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 124.898 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Instrument :

BNA_F

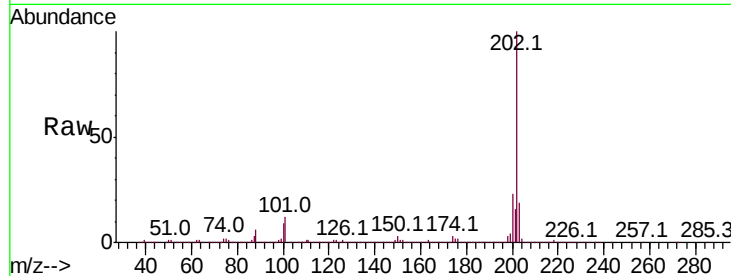
ClientSampled :

TP-5

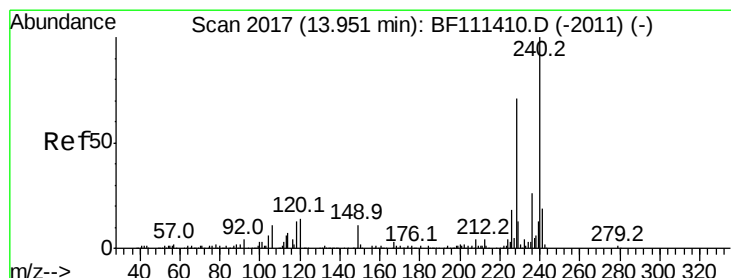
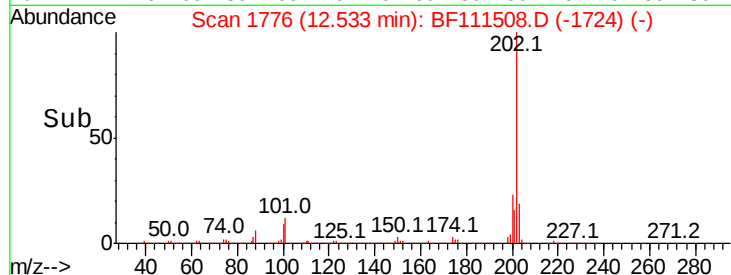
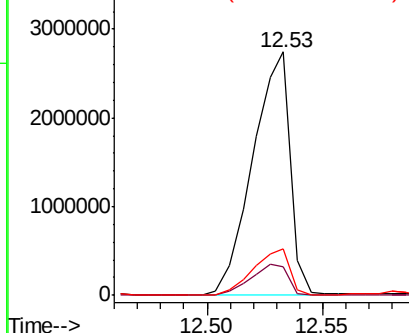
Tot Ion:	202	Resp:	3098178
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	33.8
203	18.9	0.0	38.6

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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: 13.95 min Scan# 2017

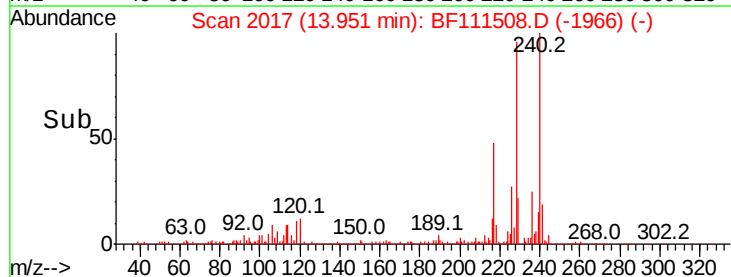
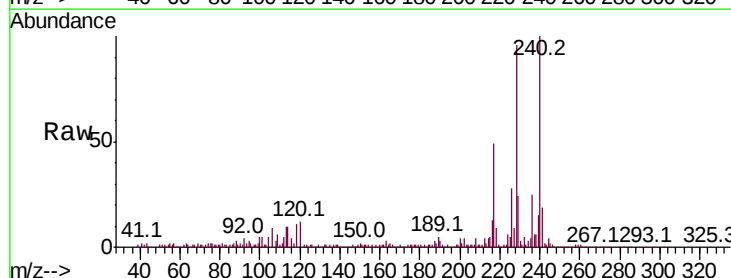
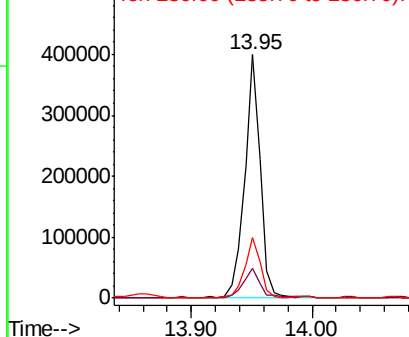
Delta R.T. 0.00 min

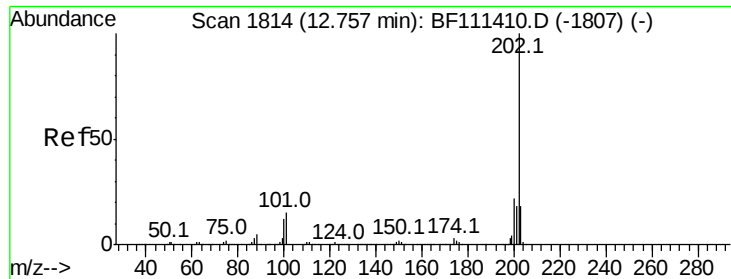
Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Tgt Ion:	240	Resp:	358954
Ion Ratio	Lower	Upper	
240	100		
120	12.4	12.2	18.2
236	24.8	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: 113.043 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111508.D

Acq: 16 Dec 2018 15:03

Instrument :

BNA_F

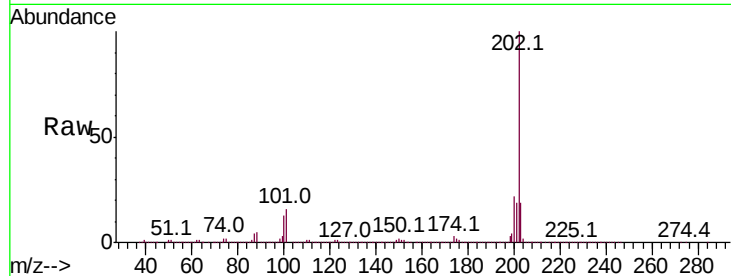
ClientSampleId :

TP-5

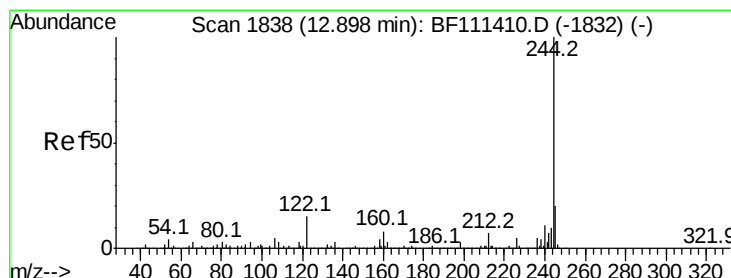
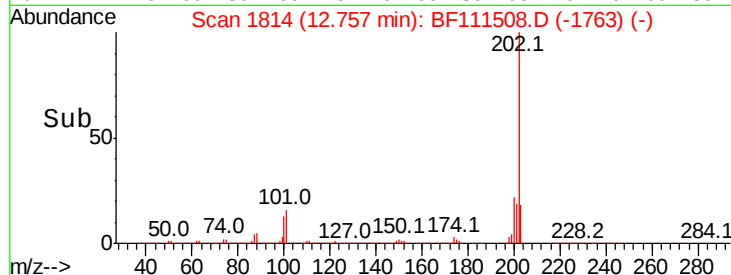
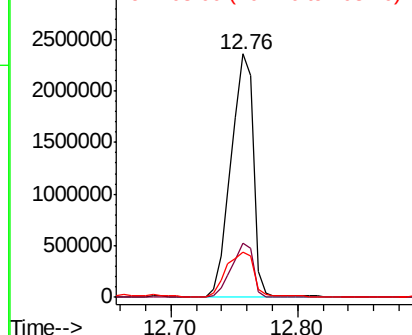
Tot Ion:	202	Resp:	2860840
Ion Ratio	Lower	Upper	
202	100		
200	22.2	19.0	28.4
203	18.8	15.2	22.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 25.142 ng

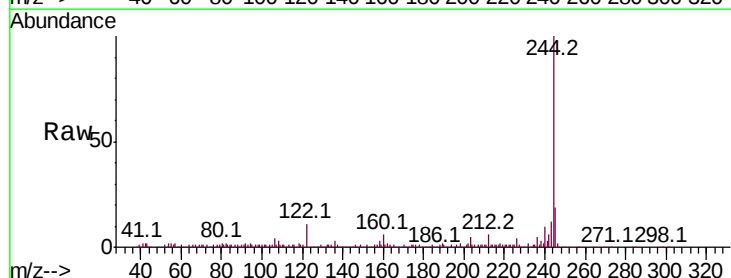
RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

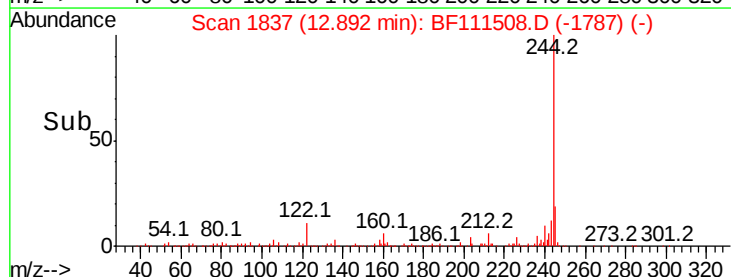
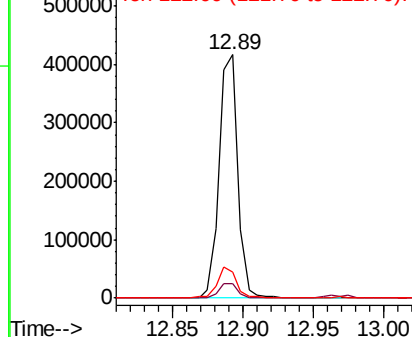
Lab File: BF111508.D

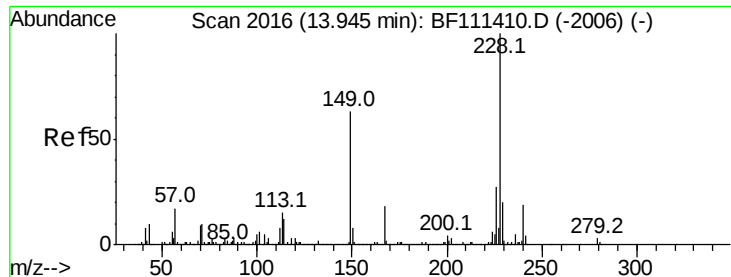
Acq: 16 Dec 2018 15:03

Tgt Ion:	244	Resp:	384326
Ion Ratio	Lower	Upper	
244	100		
212	5.8	5.7	8.5
122	10.8	13.1	19.7#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





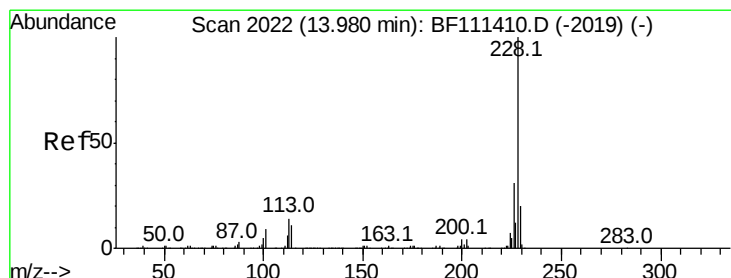
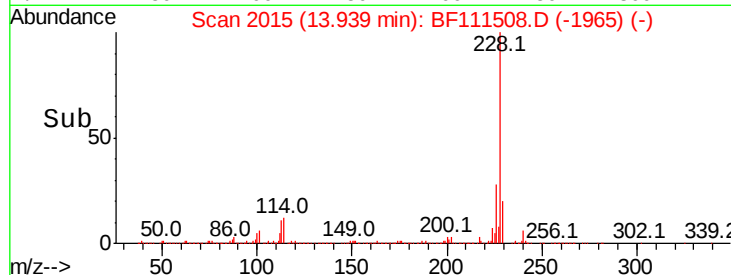
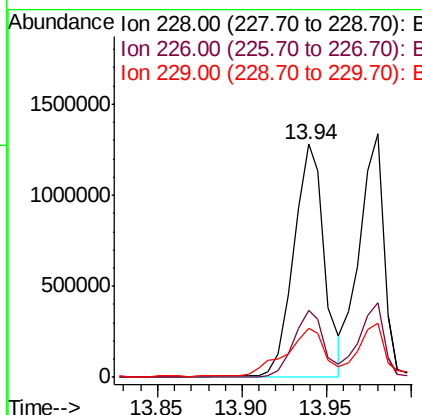
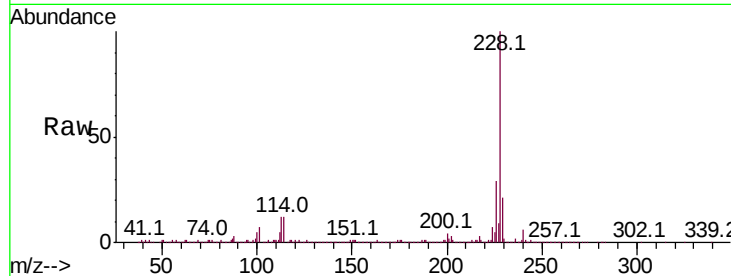
#81
Benzo(a)anthracene
Concen: 82.651 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:228 Resp: 1613153
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 20.9 16.3 24.5

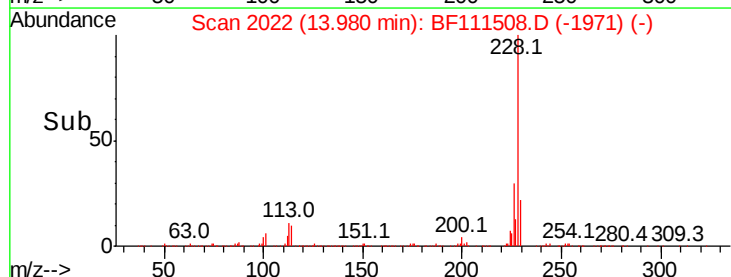
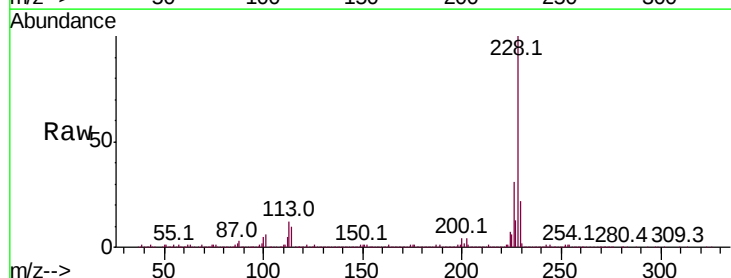
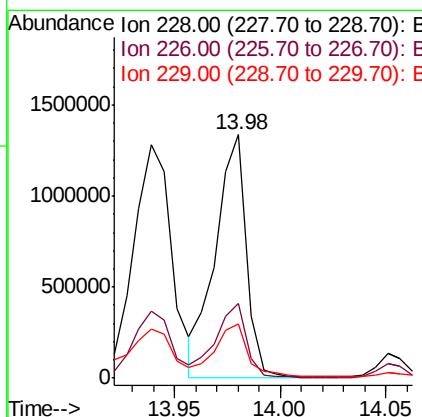
Manual Integrations
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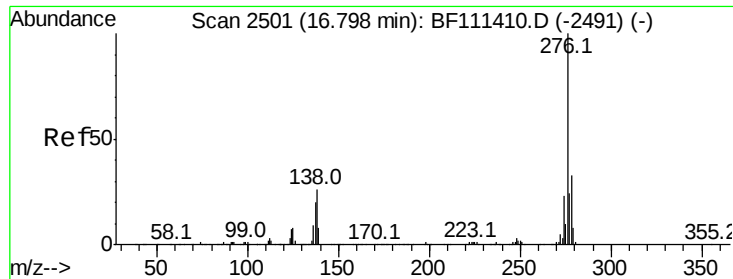
Sohil
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#83
Chrysene
Concen: 66.019 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion:228 Resp: 1357414
Ion Ratio Lower Upper
228 100
226 30.6 25.3 37.9
229 22.4 17.2 25.8





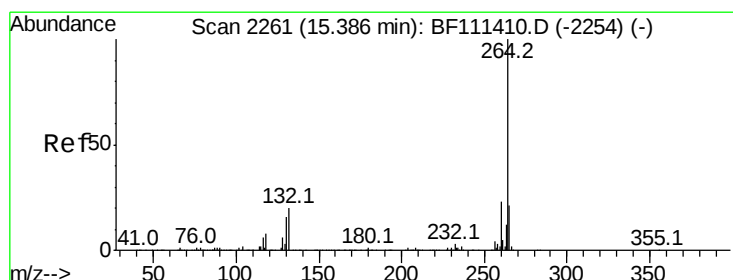
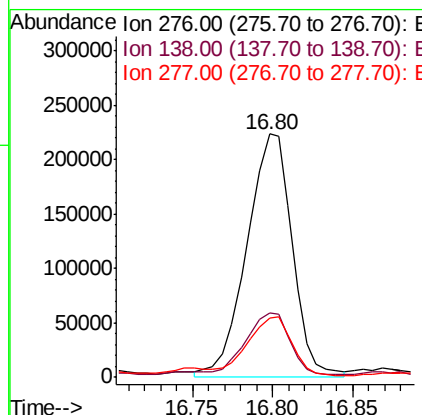
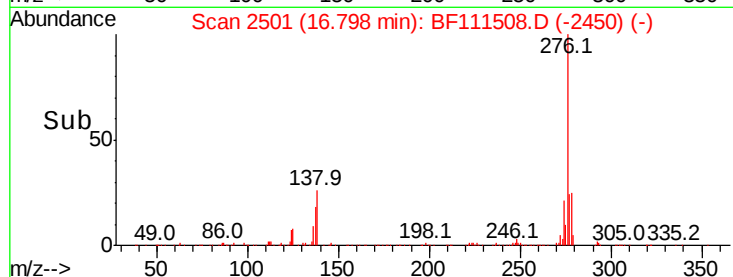
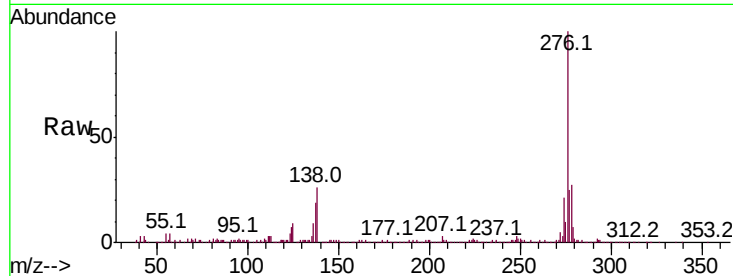
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 29.883 ng m
 RT: 16.80 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: BF111508.D
 Acq: 16 Dec 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.5	27.8	41.6#
277	1.0	20.1	30.1#

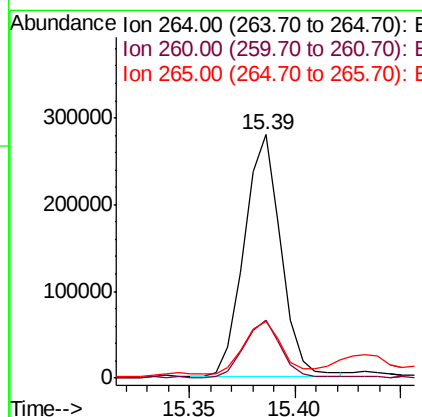
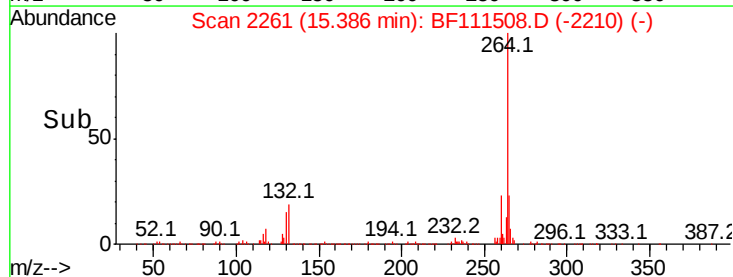
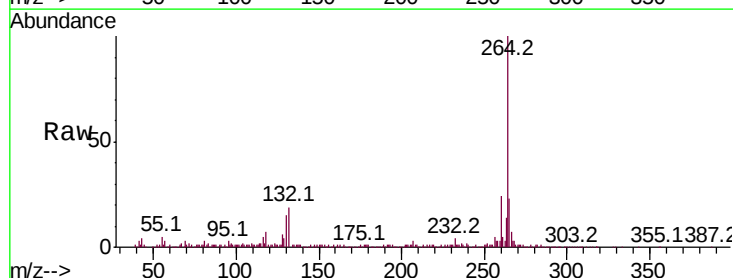
Manual Integrations
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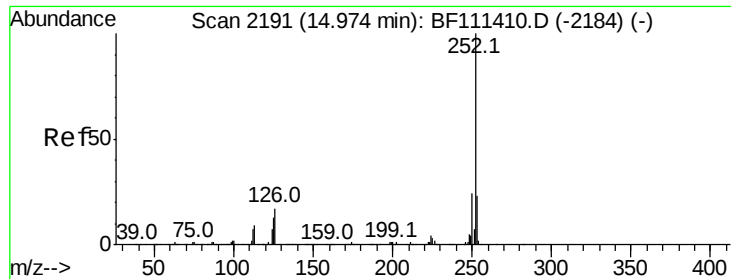
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111508.D
 Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	23.2	17.7	26.5





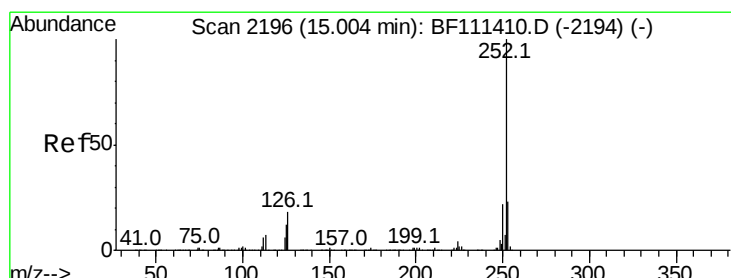
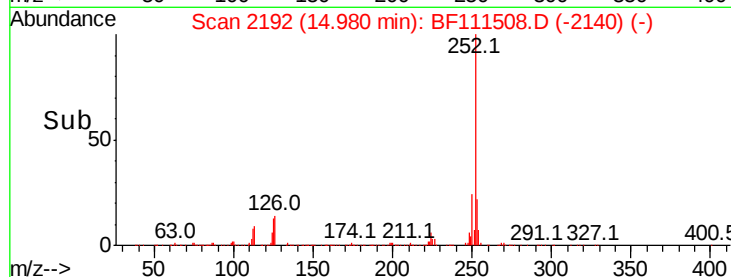
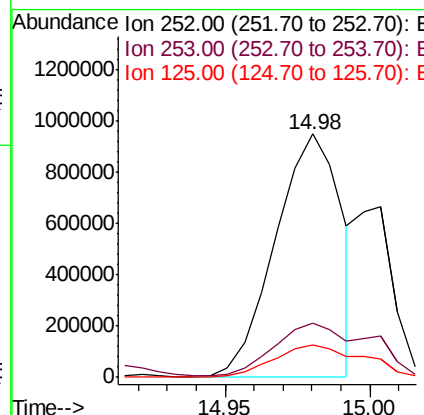
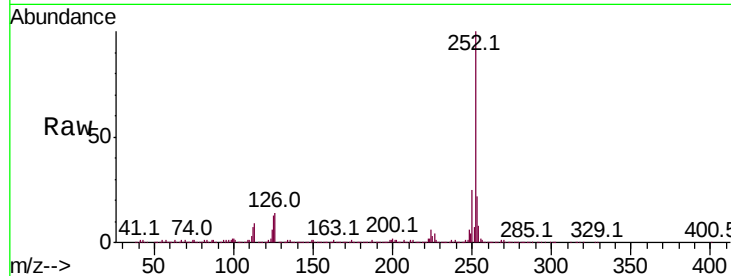
#88
Benzo(b)fluoranthene
Concen: 77.029 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:252 Resp: 1511643
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 13.1 10.4 15.6

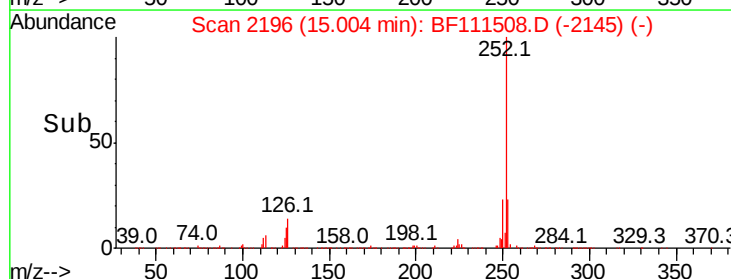
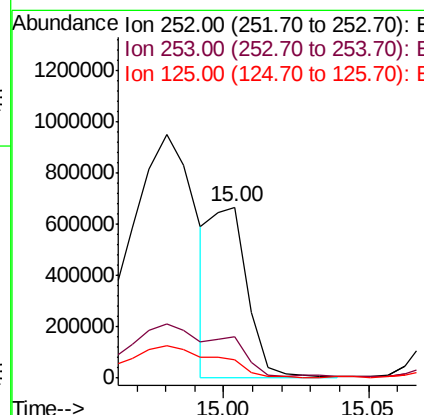
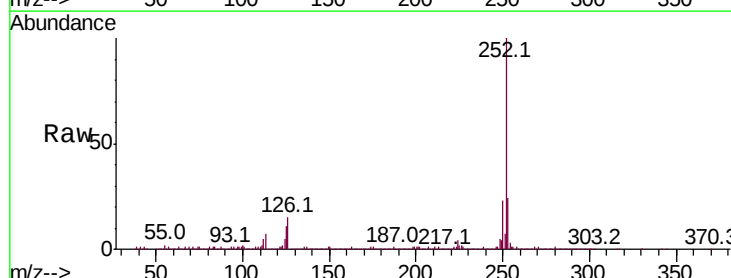
Manual Integrations
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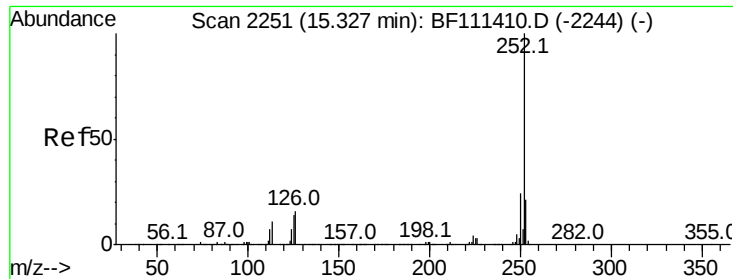
Sohil
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#89
Benzo(k)fluoranthene
Concen: 31.093 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion:252 Resp: 583048
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 10.9 9.8 14.8





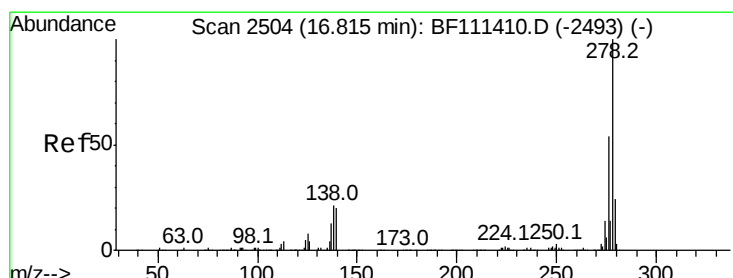
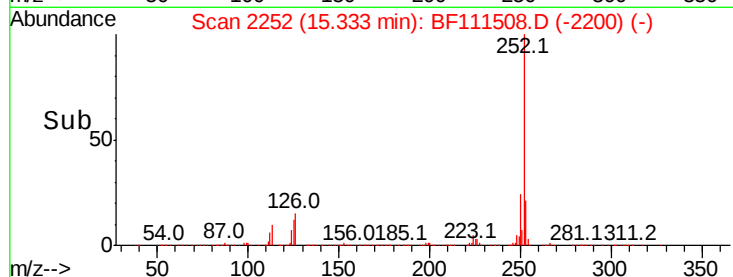
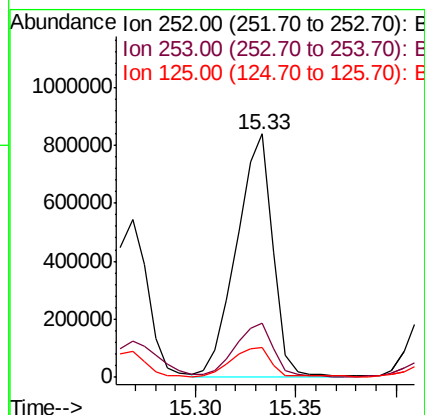
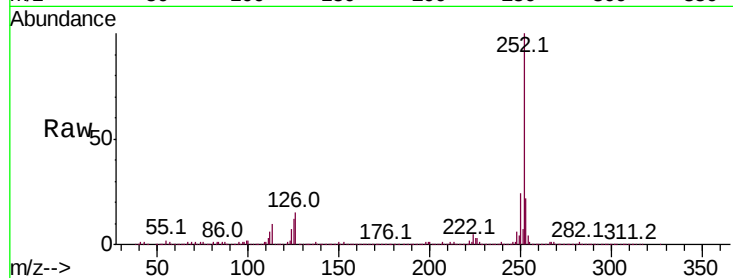
#90
Benzo(a)pyrene
Concen: 60.419 ng/ml
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.1	12.3	18.5

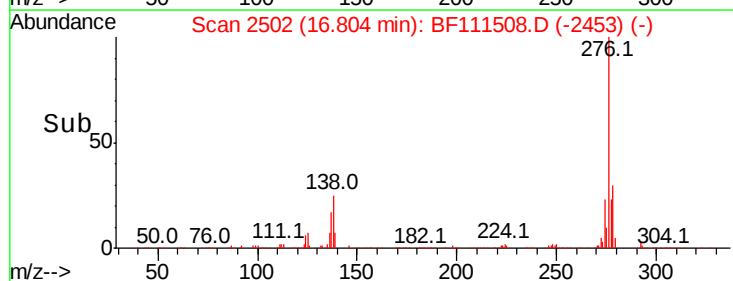
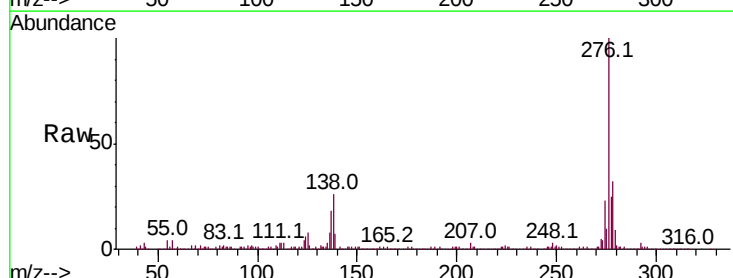
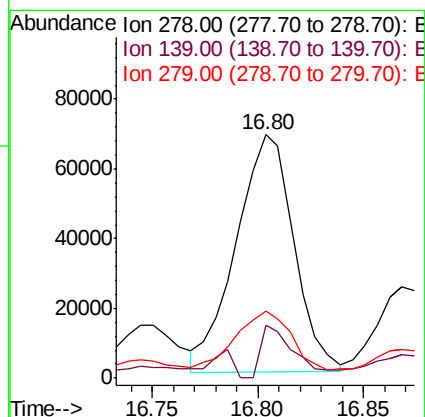
Manual Integrations
APPROVED

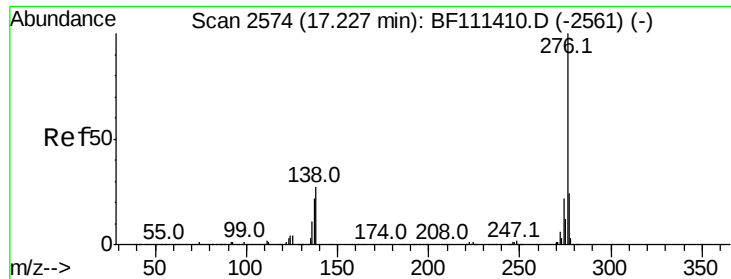
Sohil
12/17/2018 11:19:45 AM



#91
Dibenzo(a,h)anthracene
Concen: 9.295 ng
RT: 16.80 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF111508.D
Acq: 16 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.7	18.2	27.4
279	27.5	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 27.192 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF111508.D
 Acq: 16 Dec 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	24.1	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/17/2018 11:19:45 AM

