

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111473.D
 Acq On : 15 Dec 2018 17:20
 Operator : JU/SJ
 Sample : J6316-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-STEAL-WELL-YA

Manual Integrations
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Quant Time: Dec 16 01:36:28 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	194572	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	745775	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	332092	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	466561	20.00	ng	0.00
76) Chrysene-d12	13.96	240	384851	20.00	ng	0.00
87) Perylene-d12	15.40	264	280996	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1328521	113.62	ng	0.01
7) Phenol-d6	6.44	99	1703273	109.51	ng	0.00
23) Nitrobenzene-d5	7.36	82	1042519	83.24	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	249888	84.00	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1731646	80.54	ng	0.00
79) Terphenyl-d14	12.90	244	1158359	70.68	ng	0.00
Target Compounds						
10) Phenol	6.45	94	118241	6.825	ng	99
49) Acenaphthylene	9.69	152	101059	3.183	ng	93
50) Dimethylphthalate	9.55	163	184293	7.706	ng	98
66) n-Nitrosodiphenylamine	10.49	169	194257	12.074	ng	97
71) Phenanthrene	11.34	178	524086	21.800	ng	93
72) Anthracene	11.39	178	169140	6.879	ng	95
73) Carbazole	11.54	167	64226	2.526	ng	95
75) Fluoranthene	12.53	202	1090998	46.387	ng	98
78) Pyrene	12.76	202	1055797	38.911	ng	96
81) Benzo(a)anthracene	13.94	228	583079	27.864	ng	97
83) Chrysene	13.98	228	590129m	26.770	ng	
84) Bis(2-ethylhexyl)phthalate	13.94	149	34106	2.019	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.82	276	245203m	15.412	ng	
88) Benzo(b)fluoranthene	14.99	252	687737m	41.980	ng	
89) Benzo(k)fluoranthene	15.01	252	177909m	11.365	ng	
90) Benzo(a)pyrene	15.34	252	435508	29.480	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	57948m	4.973	ng	
92) Benzo(g,h,i)perylene	17.24	276	248642	21.737	ng	96

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

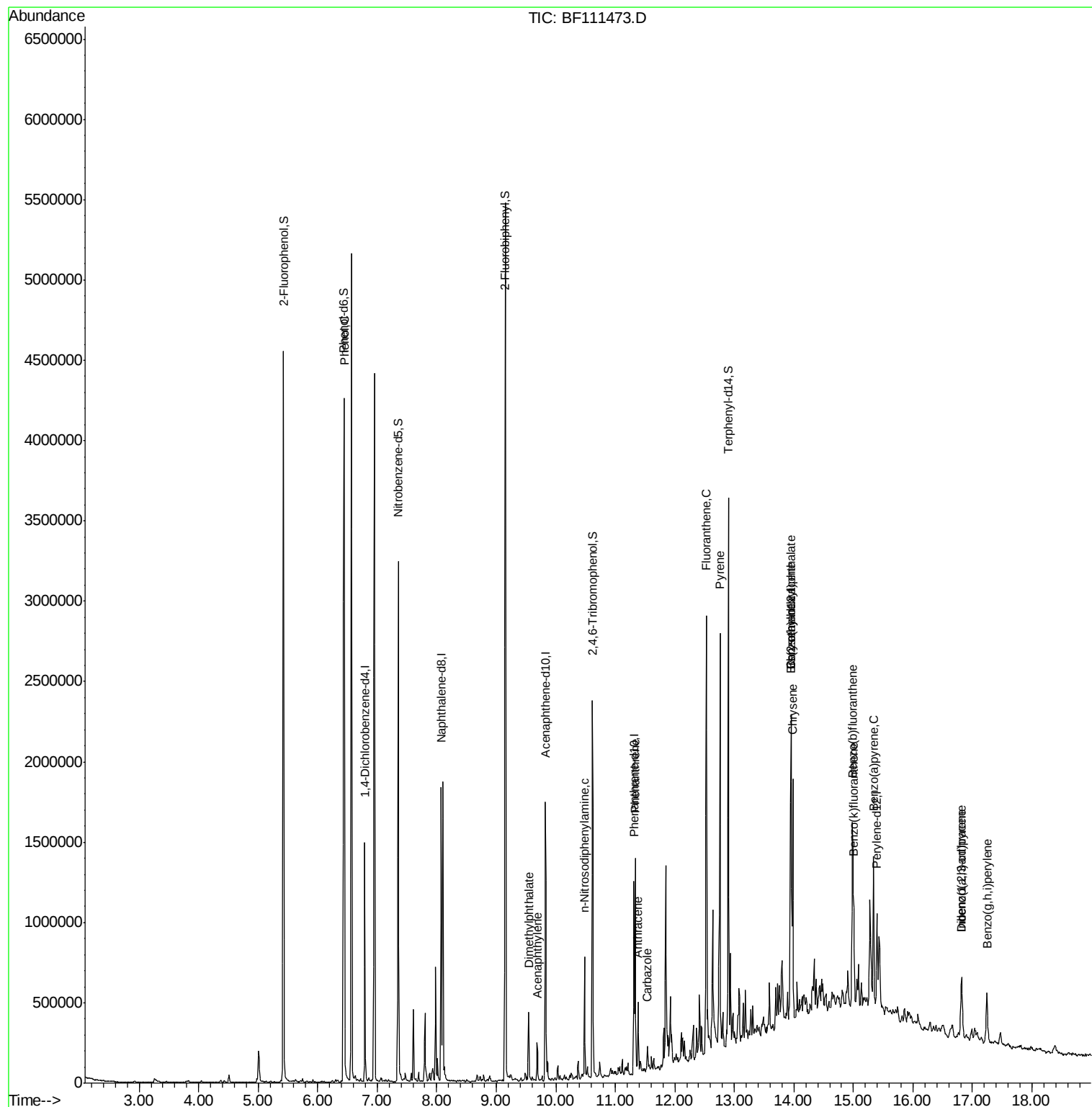
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

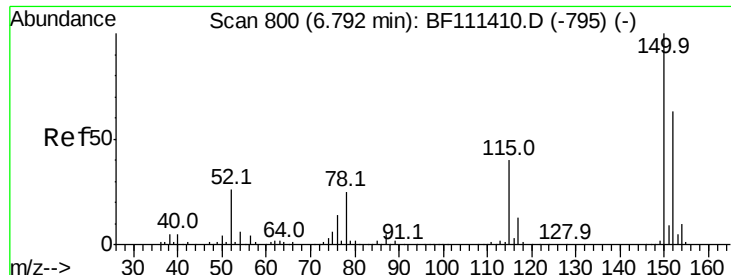
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

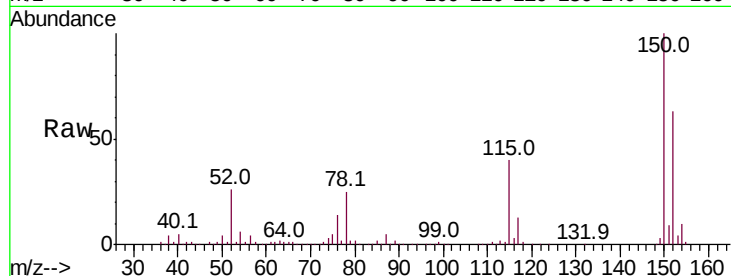
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111473.D
 Acq: 15 Dec 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.6	189.8
115	64.1	50.7	76.1

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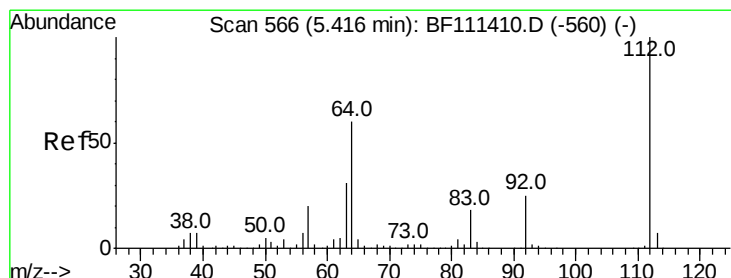
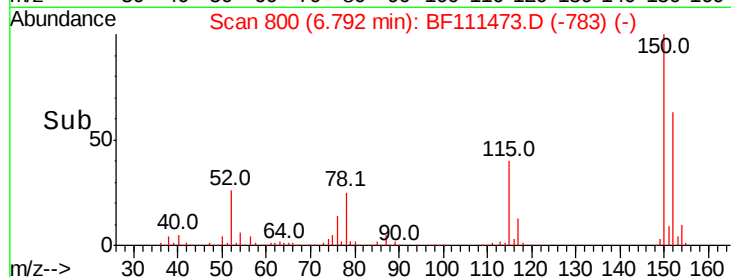
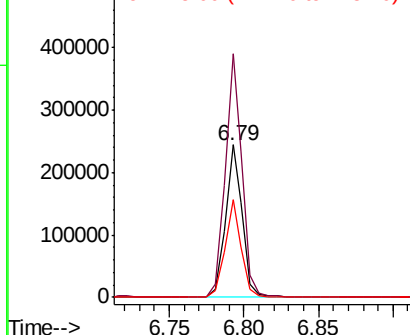


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

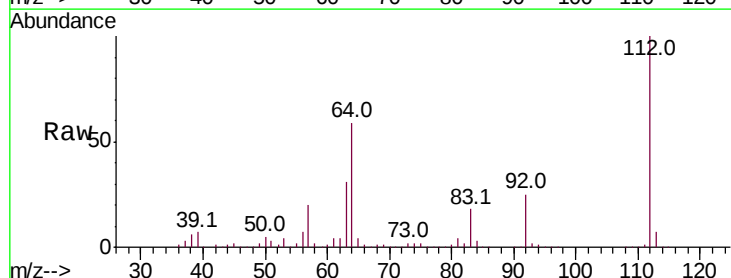
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 113.621 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF111473.D
 Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	51.8	77.6
63	30.9	26.8	40.2

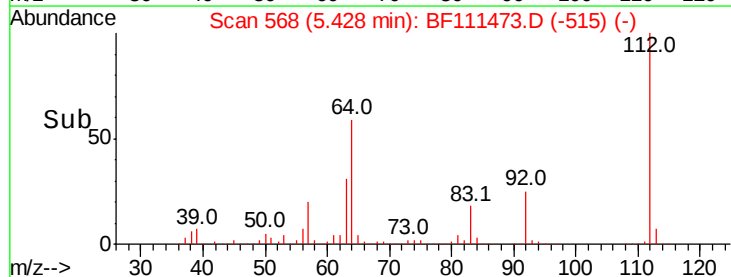
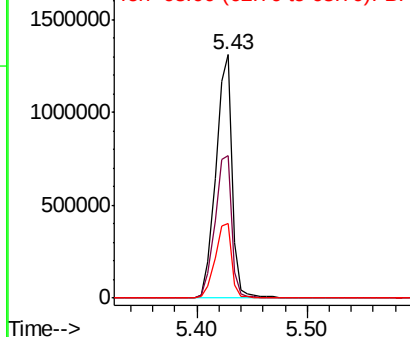


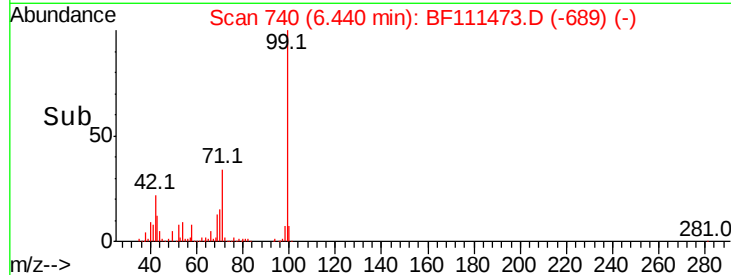
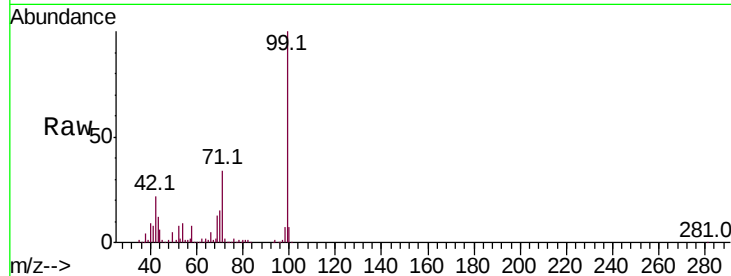
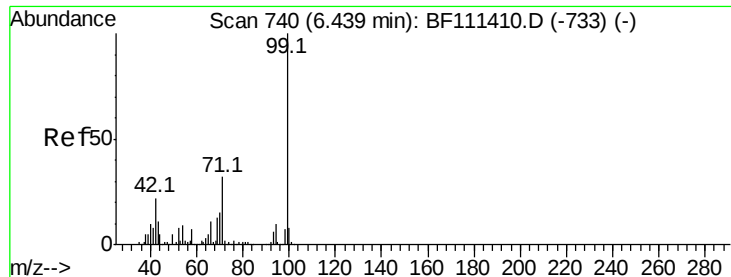
Abundance

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: 109.513 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tot Ion: 99 Resp: 1703273

Ion Ratio Lower Upper

99 100

42 22.4 17.4 26.0

71 33.9 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

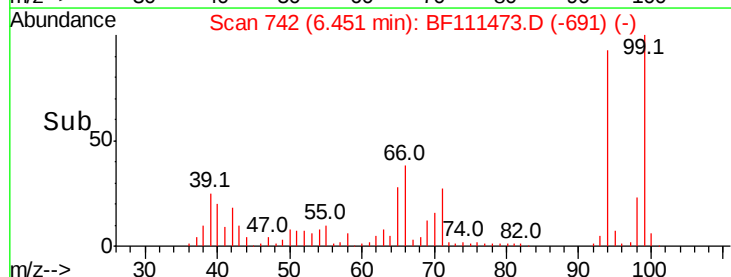
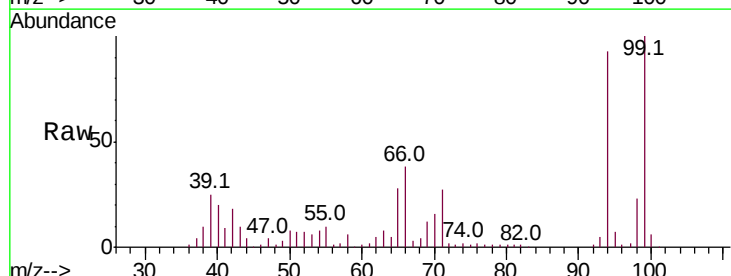
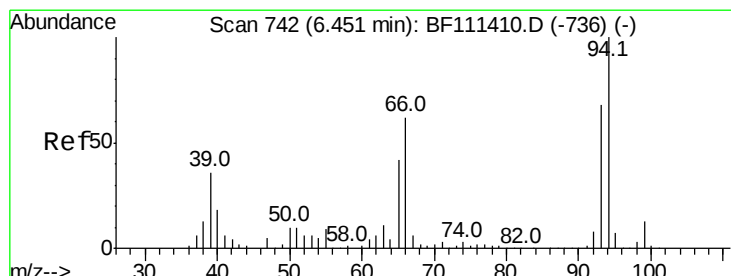
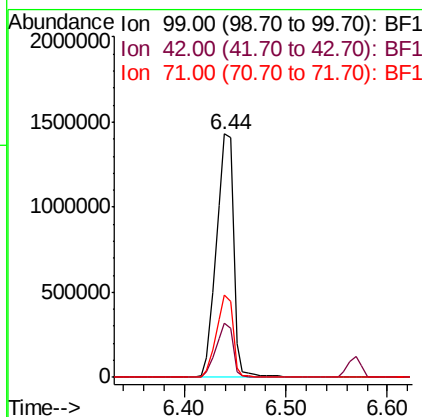
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#10

Phenol

Concen: 6.825 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

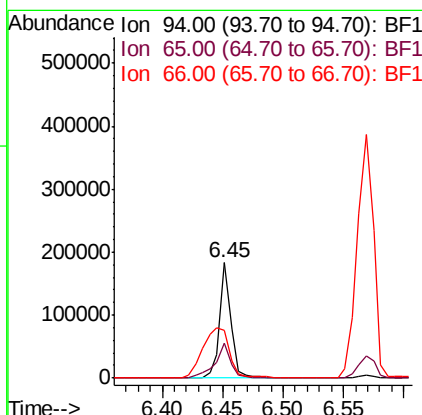
Tgt Ion: 94 Resp: 118241

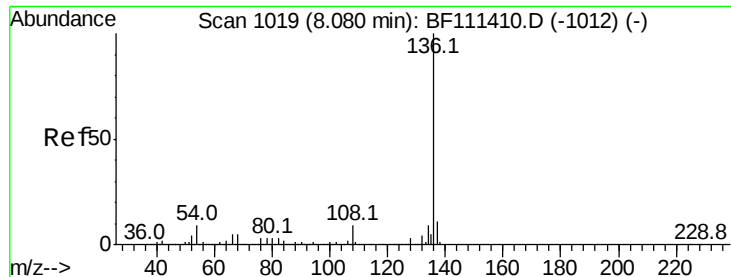
Ion Ratio Lower Upper

94 100

65 30.0 11.7 51.7

66 41.1 21.0 61.0





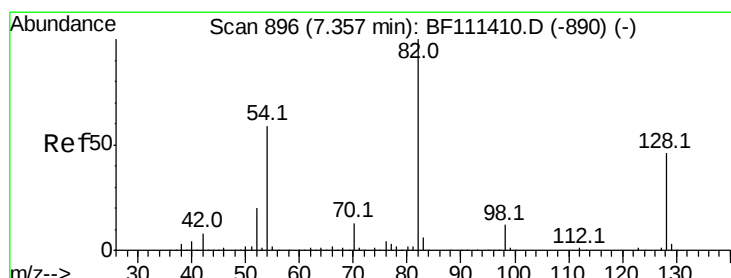
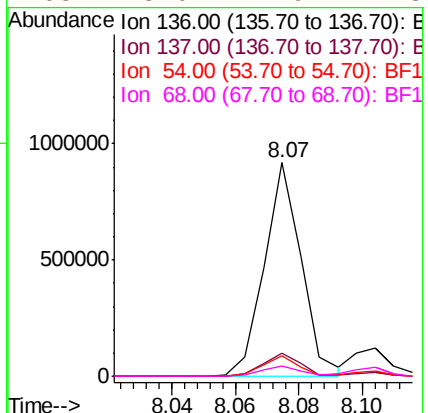
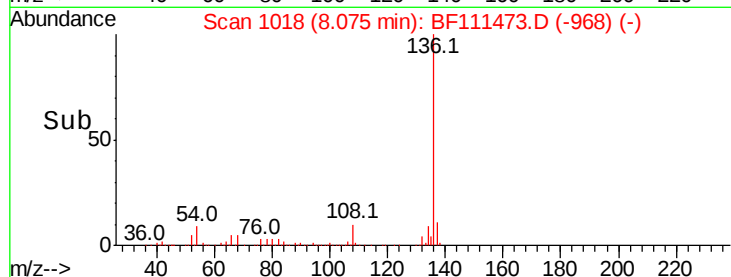
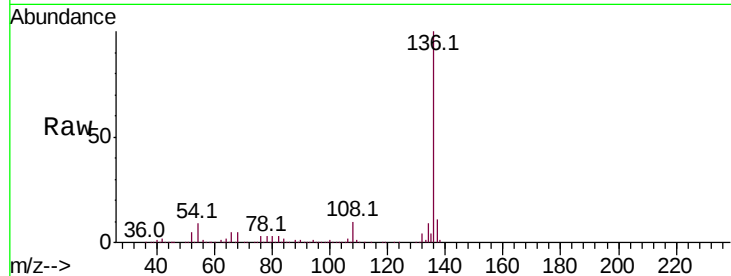
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	9.3	7.7	11.5	
68	5.0	4.9	7.3	

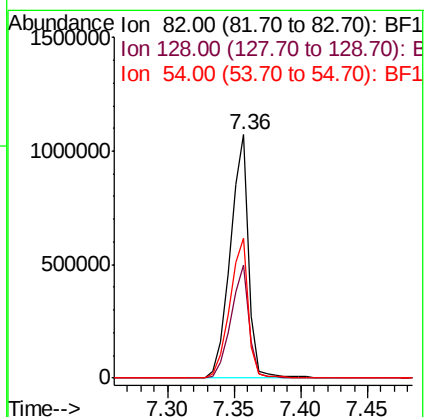
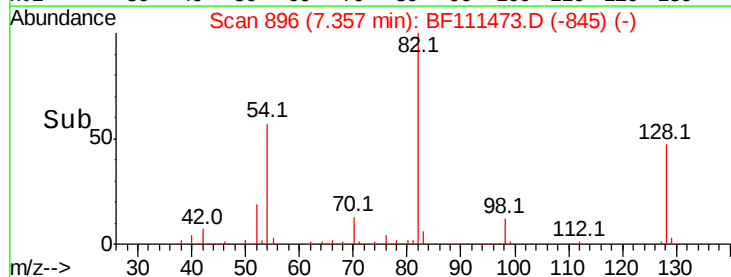
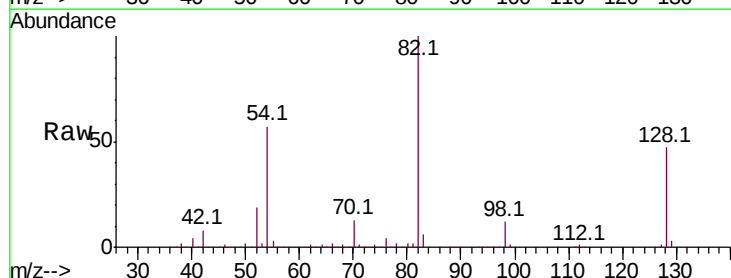
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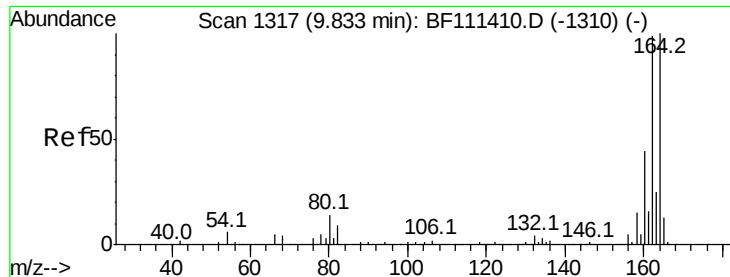
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#23
Nitrobenzene-d5
Concen: 83.243 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	37.4	56.2	
54	57.4	47.6	71.4	





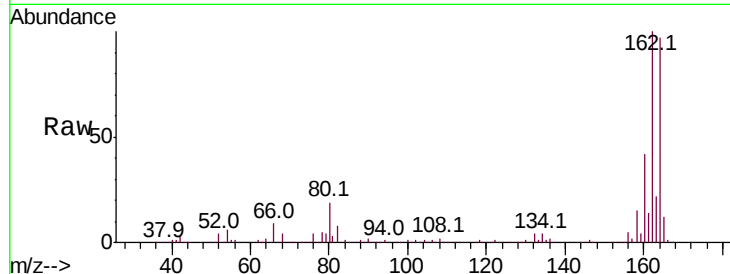
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

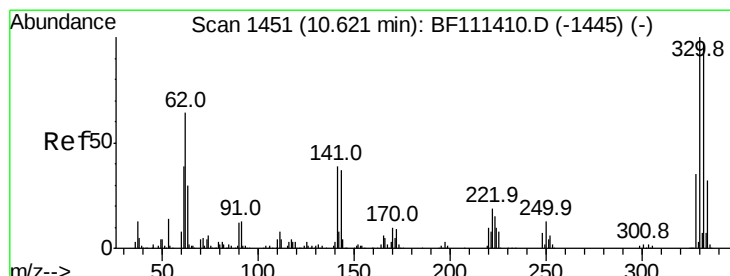
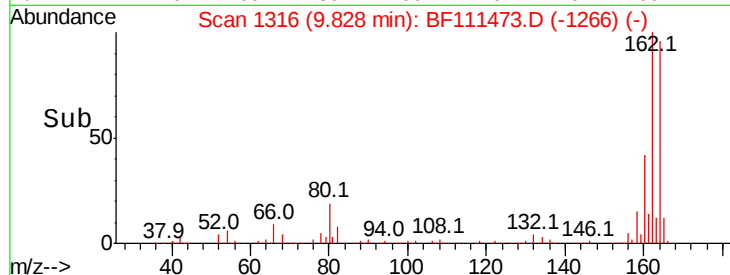
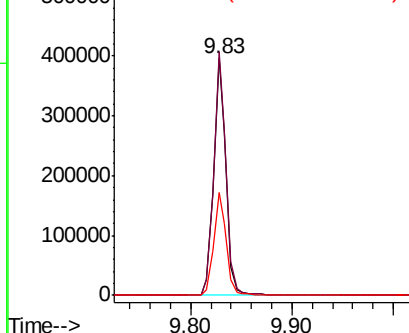
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	81.4	122.0	
160	43.6	35.7	53.5	

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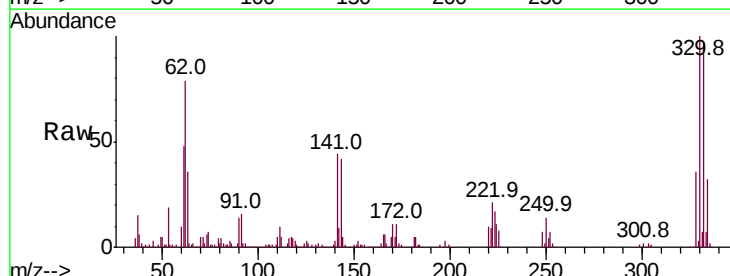


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

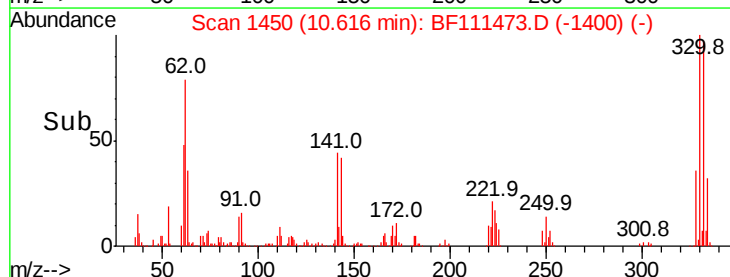
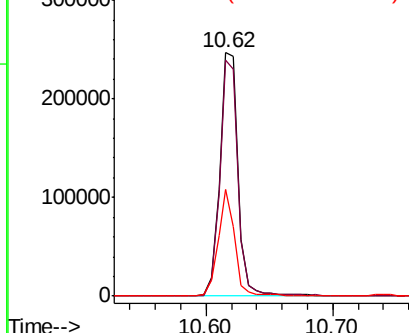


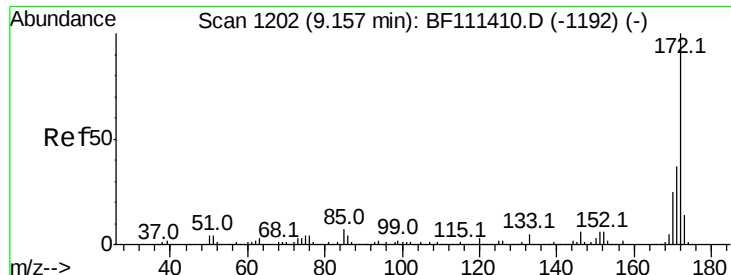
#42
2,4,6-Tribromophenol
Concen: 84.001 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.0	114.0	
141	40.2	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





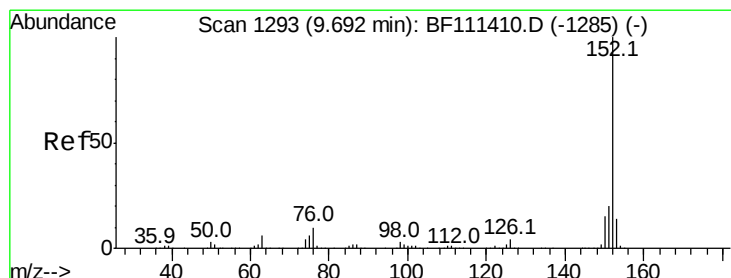
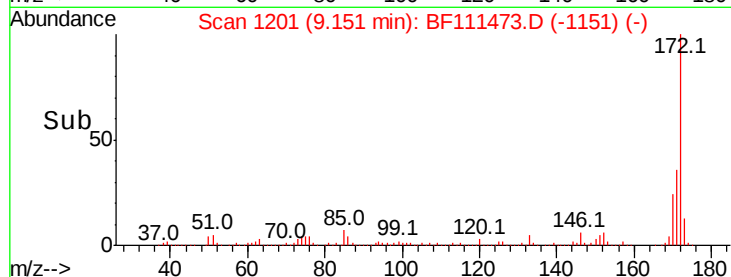
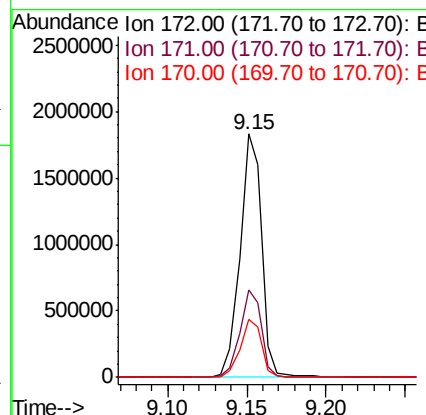
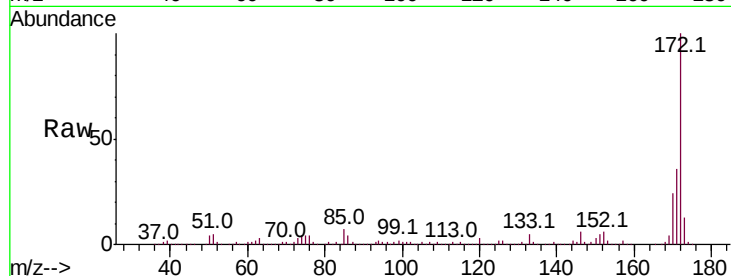
#45
2-Fluorobiphenyl
Concen: 80.543 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	33.0	49.4
170	23.9	22.3	33.5

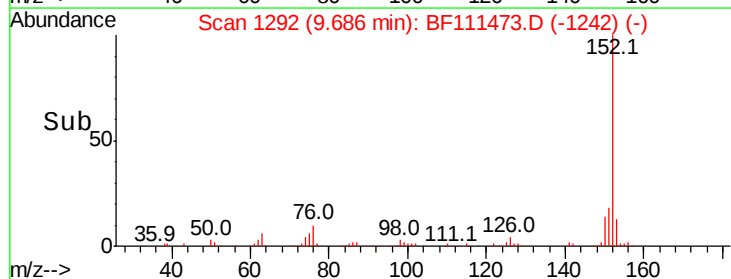
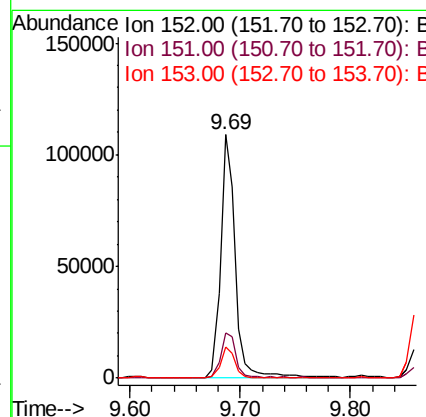
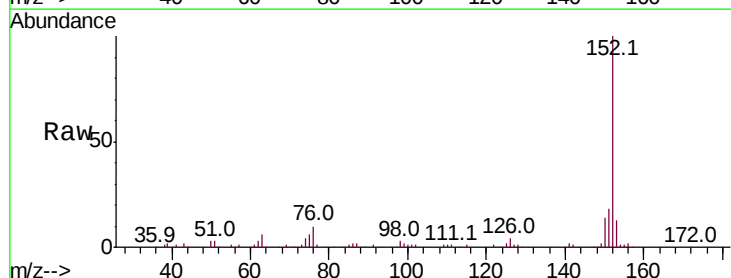
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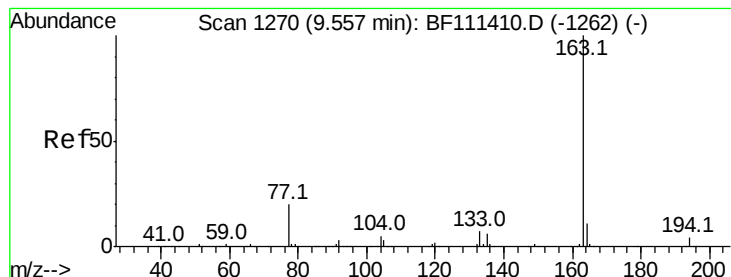
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#49
Acenaphthylene
Concen: 3.183 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.5	18.0	27.0
153	12.8	12.3	18.5





#50

Dimethylphthalate

Concen: 7.706 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Instrument :

BNA_F

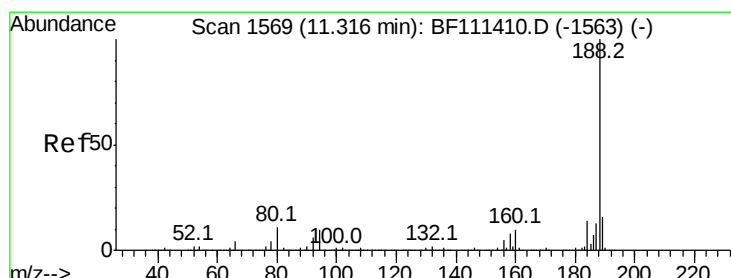
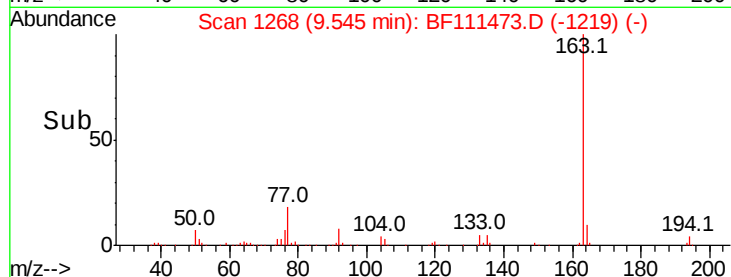
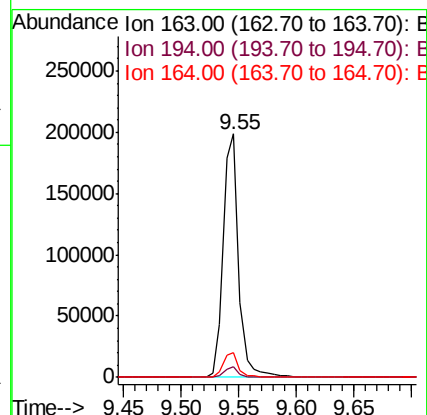
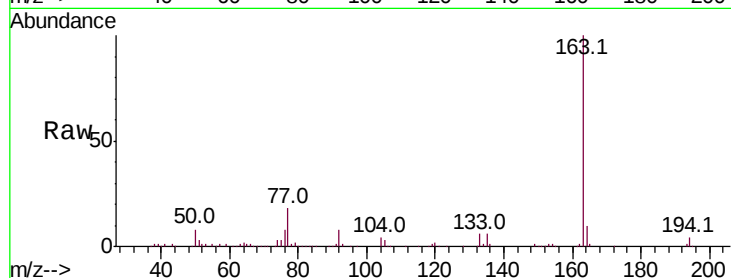
ClientSampleId :

BORING-SAMPLE-STEAL-WELL-YA

Tot Ion:	163	Resp:	184293
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.3	8.9	13.3

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#64

Phenanthrene-d10

Concen: 20.000 ng

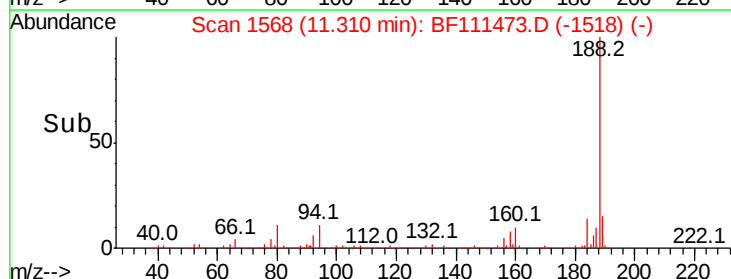
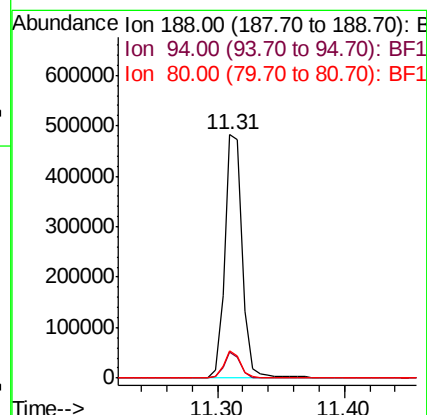
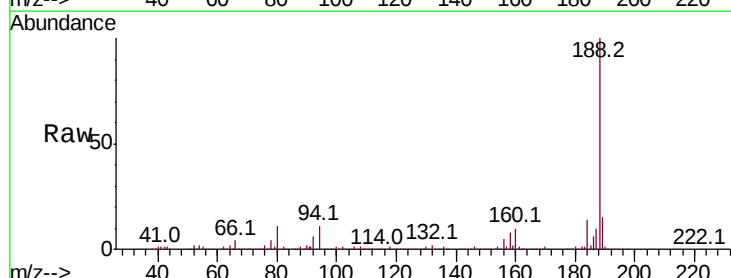
RT: 11.31 min Scan# 1568

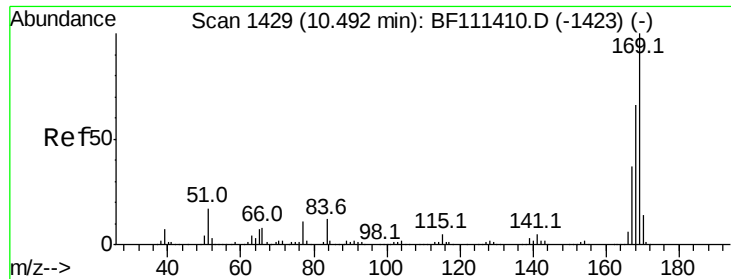
Delta R.T. -0.01 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tgt Ion:	188	Resp:	466561
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.6	14.4
80	11.4	9.8	14.6





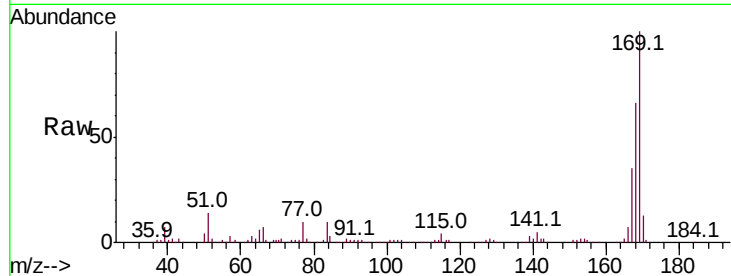
#66
n-Nitrosodiphenylamine
Concen: 12.074 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Resp	Lower	Upper
169	100	194257		
168	66.0	54.4	81.6	
167	35.2	30.5	45.7	

Manual Integrations
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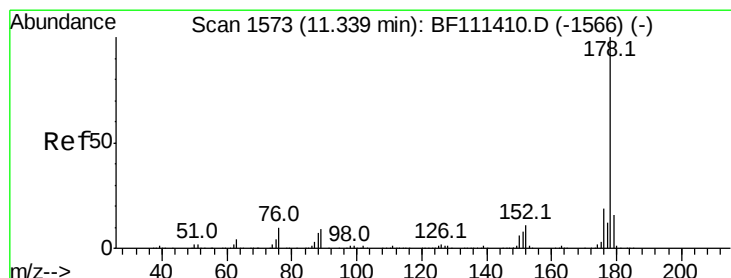
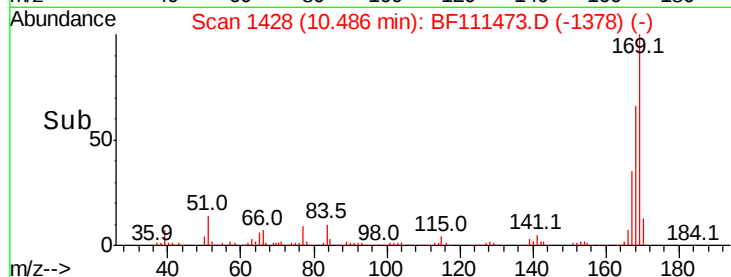
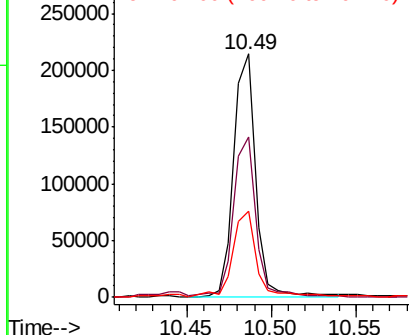


Abundance

Ion 169.00 (168.70 to 169.70): E

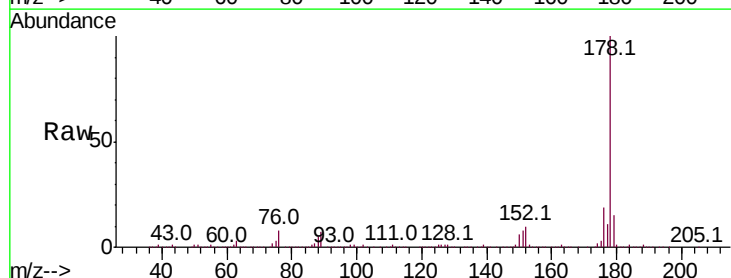
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#71
Phenanthrene
Concen: 21.800 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	524086		
176	18.8	18.1	27.1	
179	14.6	14.0	21.0	

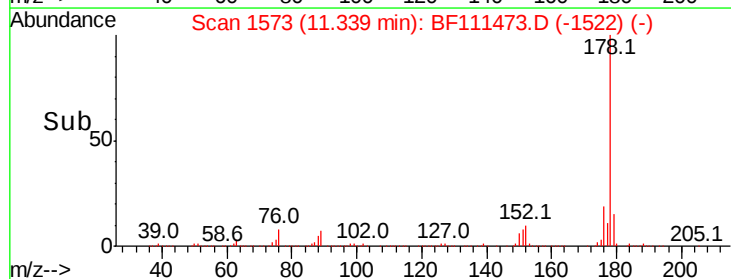
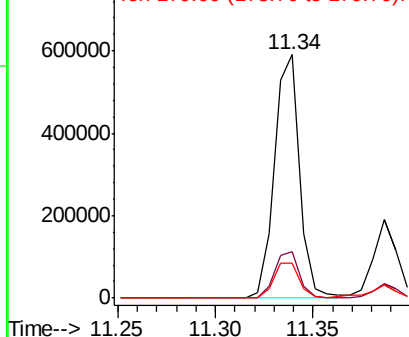


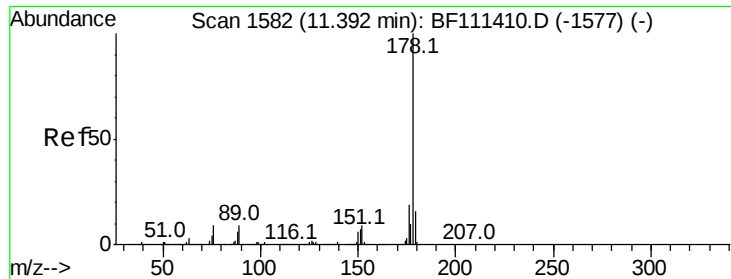
Abundance

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





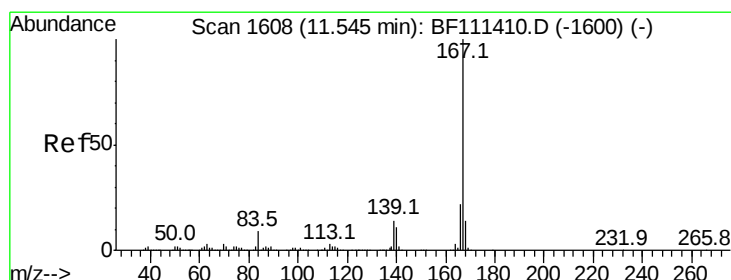
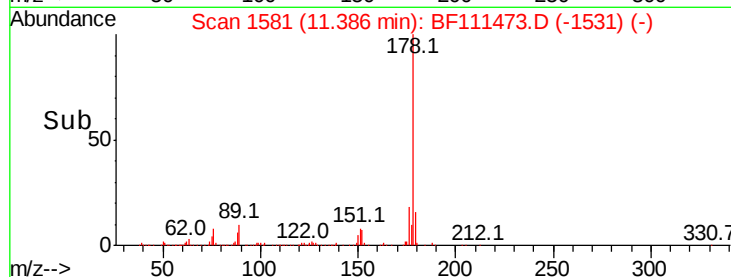
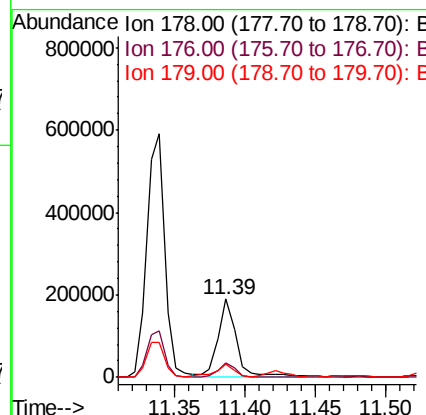
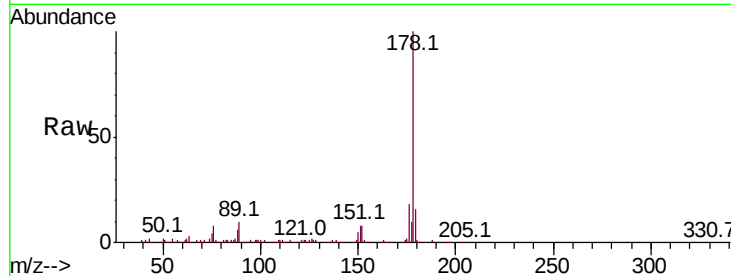
#72
 Anthracene
 Concen: 6.879 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111473.D
 Acq: 15 Dec 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	17.2	25.8
179	16.5	13.8	20.8

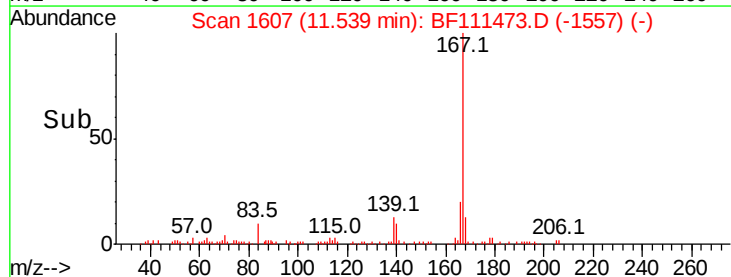
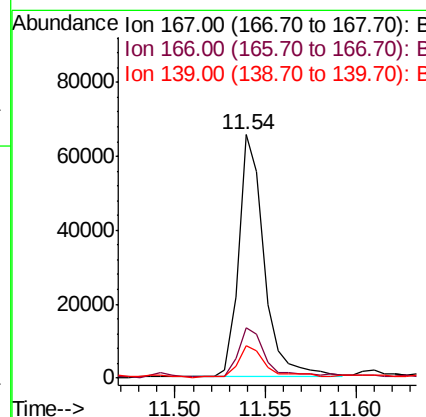
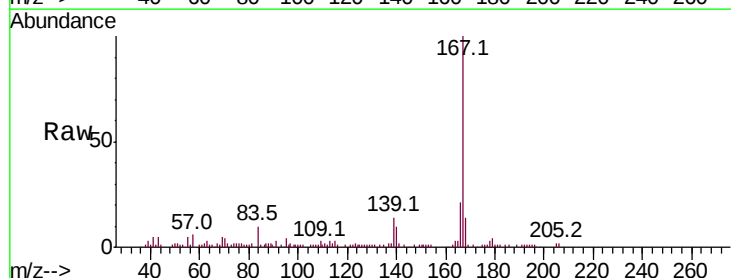
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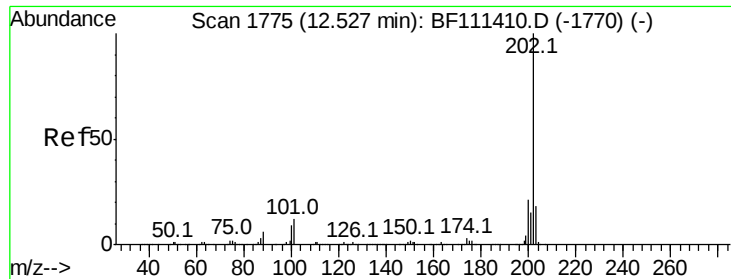
Sohil
 12/17/2018 3:12:11 PM



#73
 Carbazole
 Concen: 2.526 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111473.D
 Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	19.3	28.9
139	13.5	11.9	17.9





#75

Fluoranthene

Concen: 46.387 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Instrument :

BNA_F

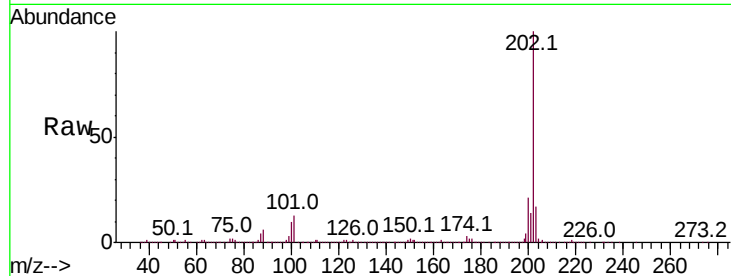
ClientSampleId :

BORING-SAMPLE-STEAL-WELL-YA

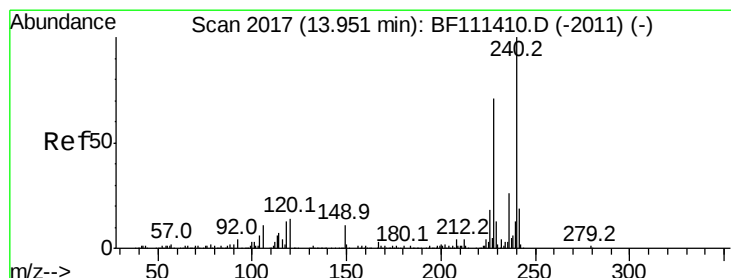
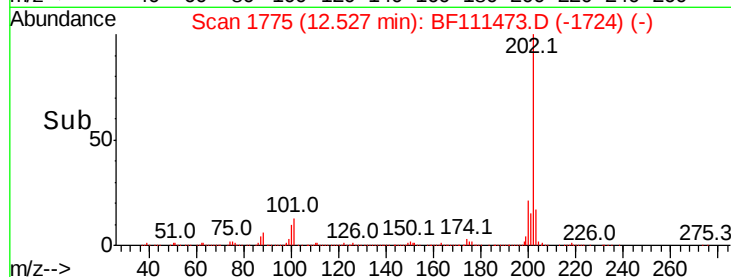
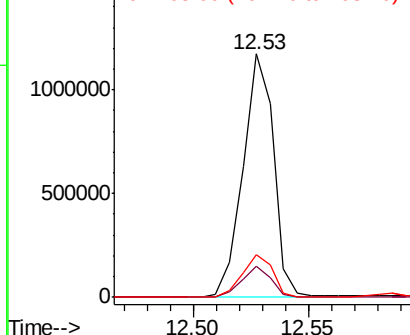
Tot Ion:	202	Resp:	1090998
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	33.8
203	17.5	0.0	38.6

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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

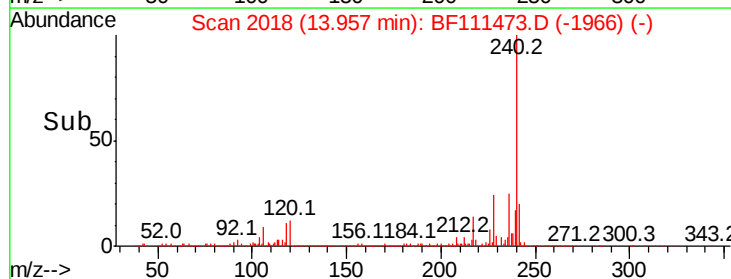
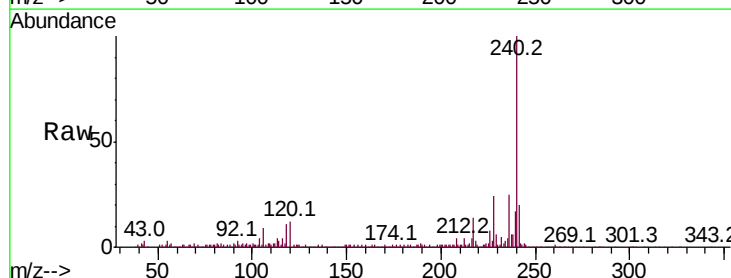
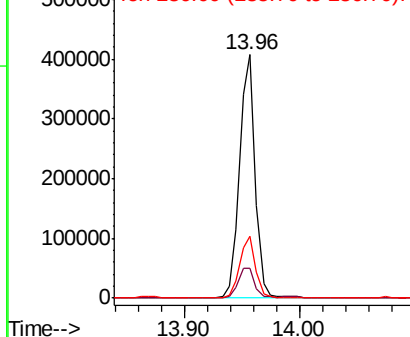
Delta R.T. 0.01 min

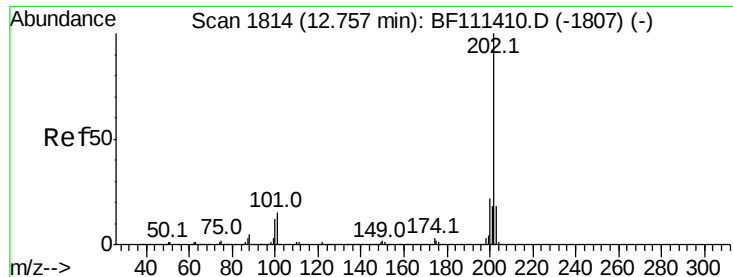
Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tgt Ion:	240	Resp:	384851
Ion Ratio	Lower	Upper	
240	100		
120	12.2	12.2	18.2
236	25.4	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: 38.911 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Instrument :

BNA_F

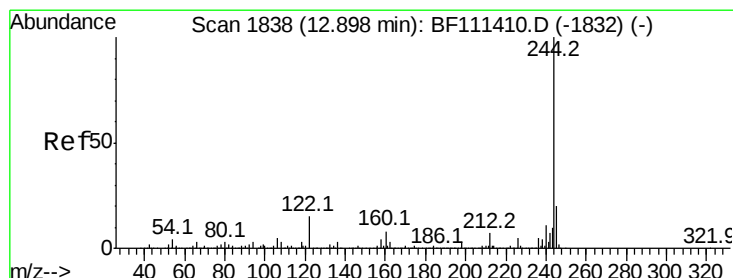
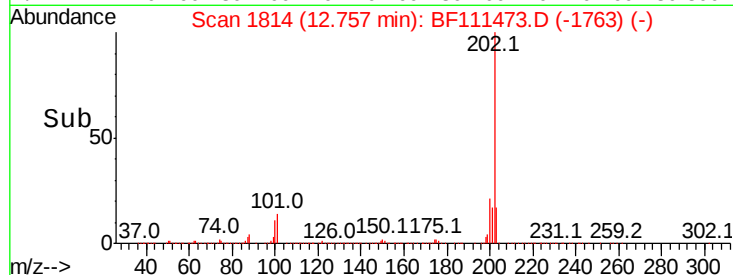
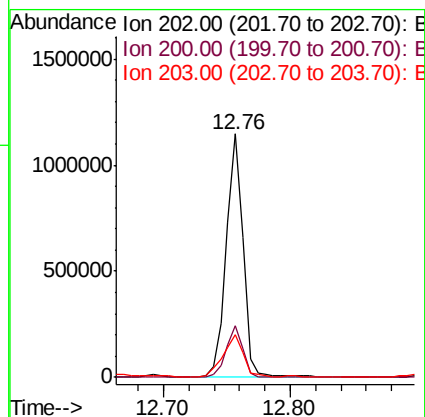
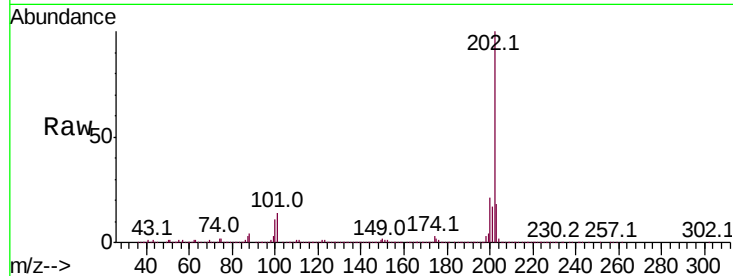
ClientSampleId :

BORING-SAMPLE-STEAL-WELL-YA

Tot Ion:	202	Resp:	1055797
Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.4
203	17.6	15.2	22.8

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#79

Terphenyl-d14

Concen: 70.679 ng

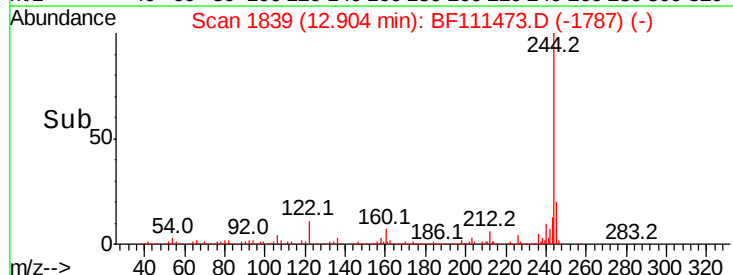
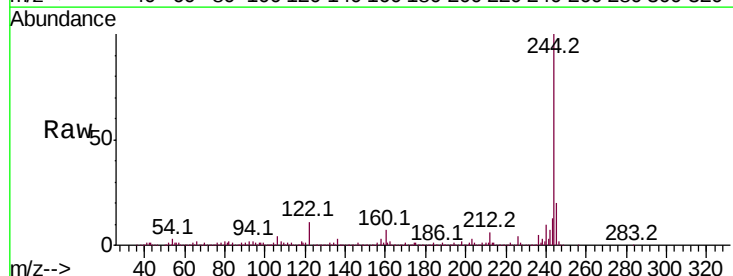
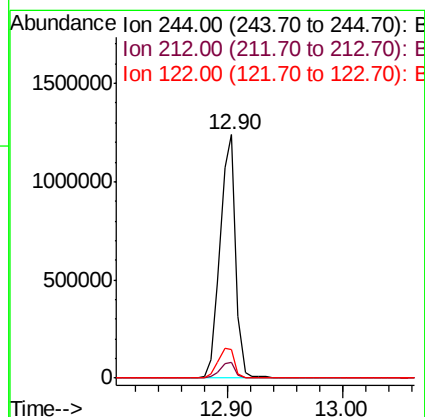
RT: 12.90 min Scan# 1839

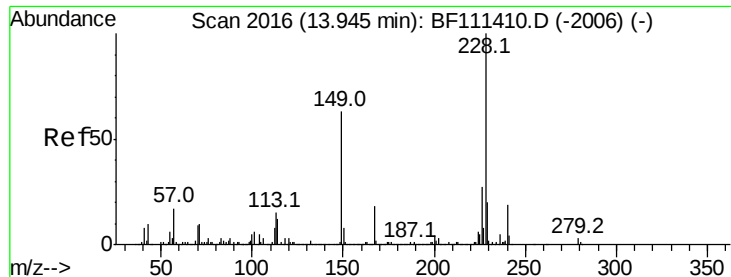
Delta R.T. 0.01 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tgt Ion:	244	Resp:	1158359
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	11.5	13.1	19.7#





#81

Benzo(a)anthracene

Concen: 27.864 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Instrument :

BNA_F

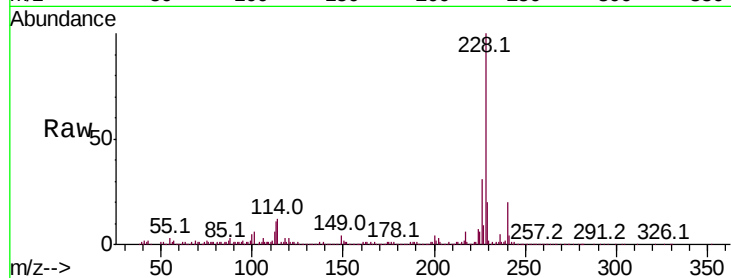
ClientSampleId :

BORING-SAMPLE-STEAL-WELL-YA

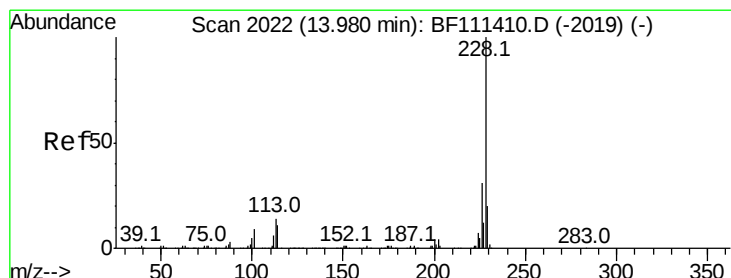
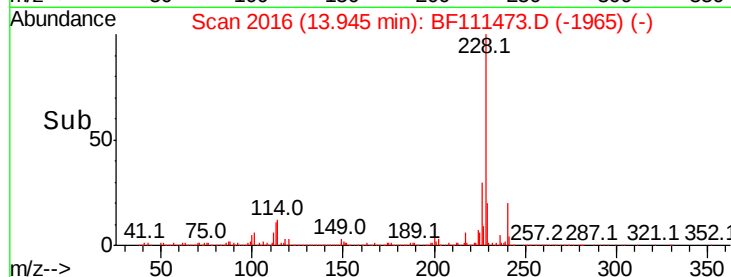
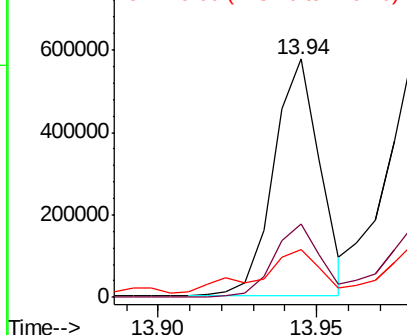
Tot Ion:	228	Resp:	583079
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.6	34.0
229	20.1	16.3	24.5

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Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 26.770 ng m

RT: 13.98 min Scan# 2022

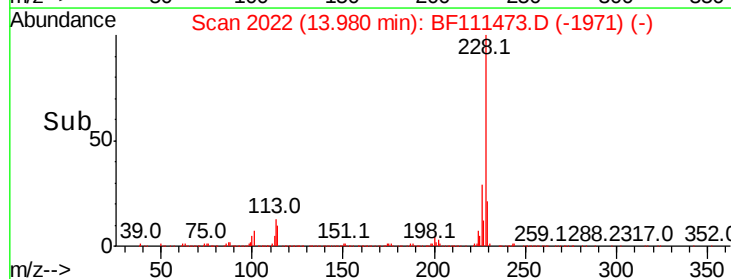
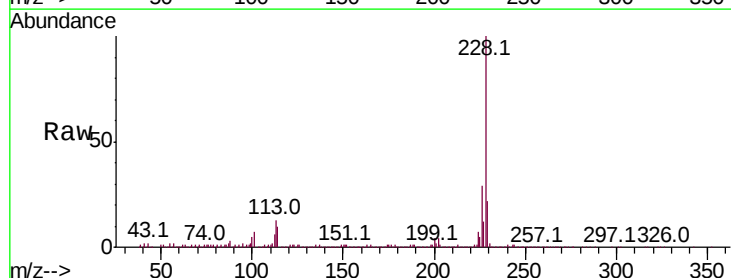
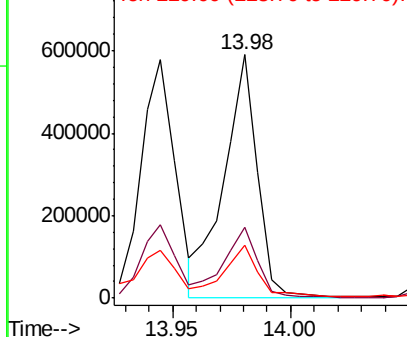
Delta R.T. 0.00 min

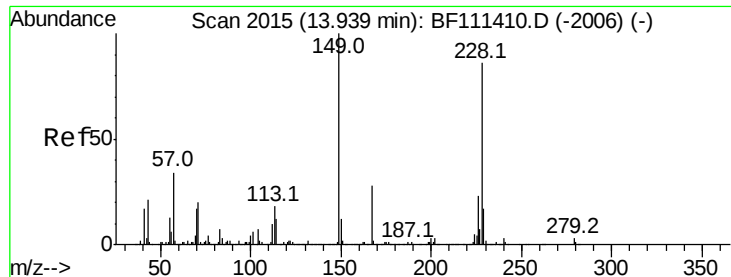
Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tgt Ion:	228	Resp:	590129
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.3	37.9
229	21.8	17.2	25.8

Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.019 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Instrument :

BNA_F

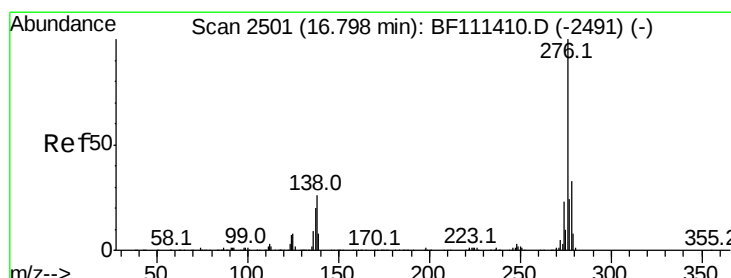
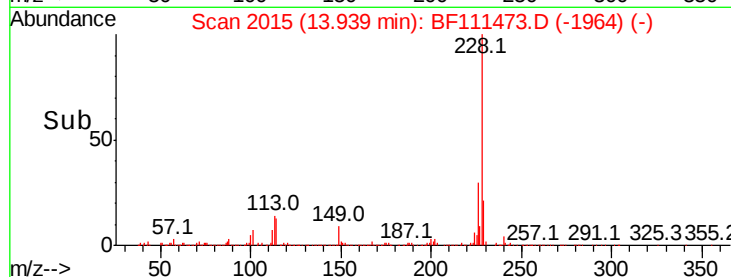
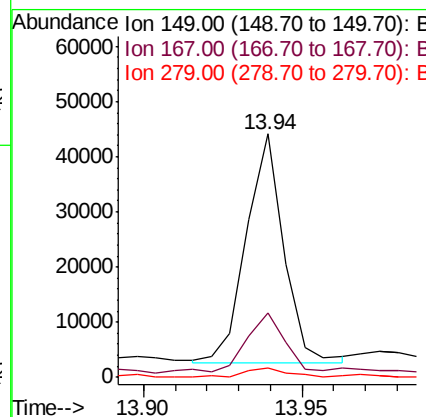
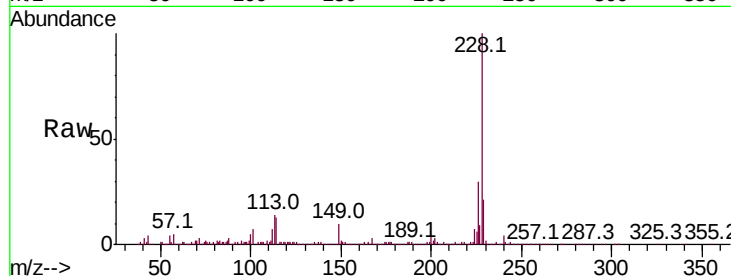
ClientSampleId :

BORING-SAMPLE-STEAL-WELL-YA

Tot Ion:	149	Resp:	34106
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.5	33.7
279	4.0	2.6	4.0#

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 15.412 ng m

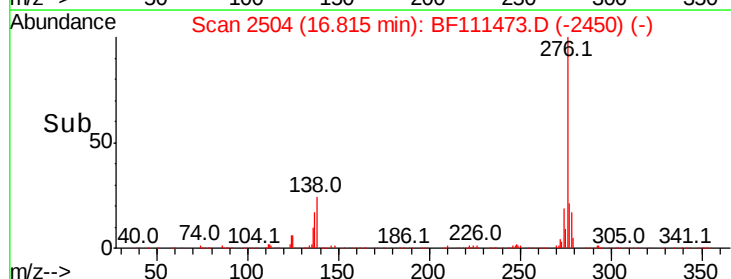
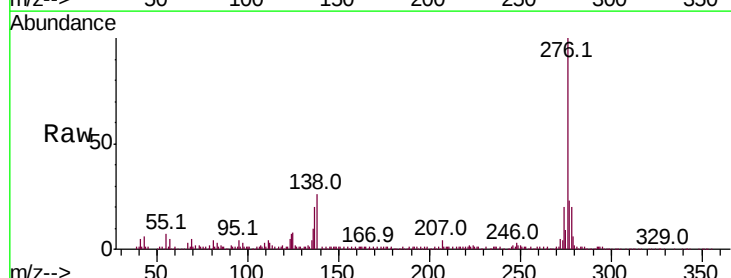
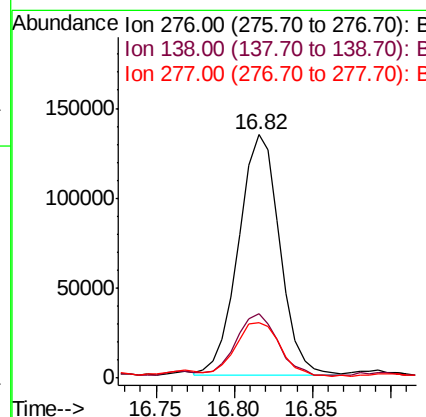
RT: 16.82 min Scan# 2504

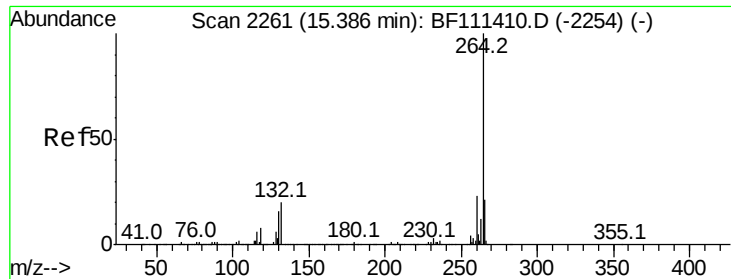
Delta R.T. 0.02 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tgt Ion:	276	Resp:	245203
Ion Ratio	Lower	Upper	
276	100		
138	6.5	27.8	41.6#
277	5.3	20.1	30.1#





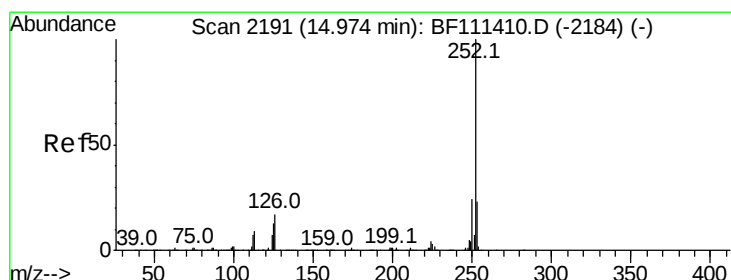
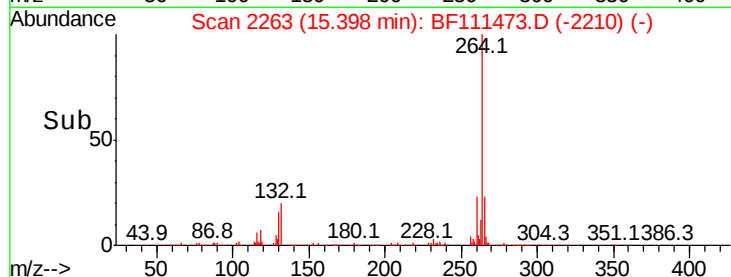
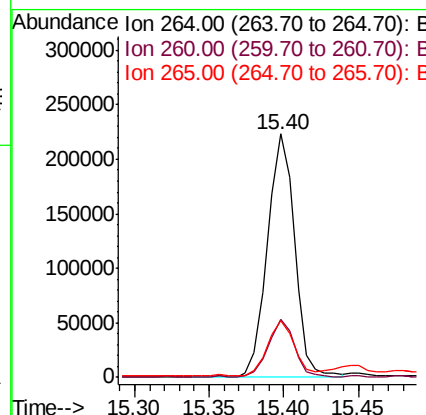
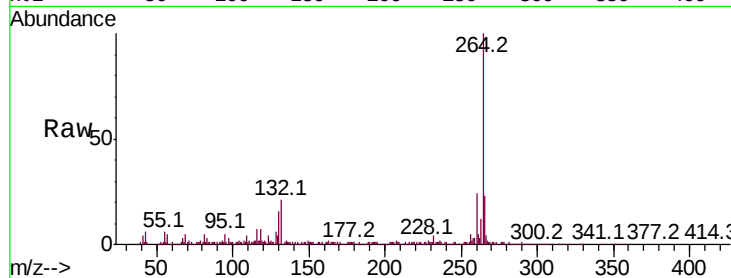
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	23.1	17.7	26.5

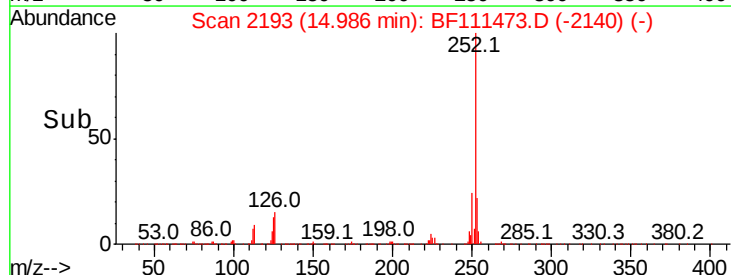
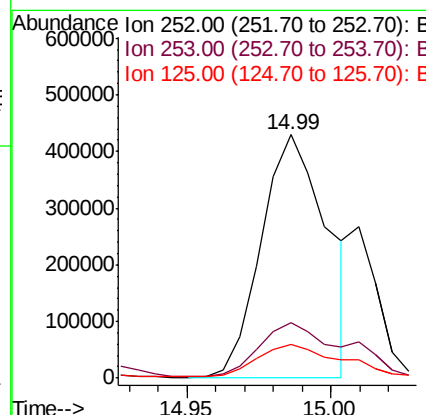
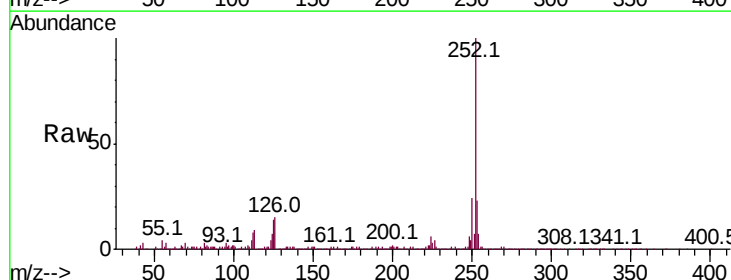
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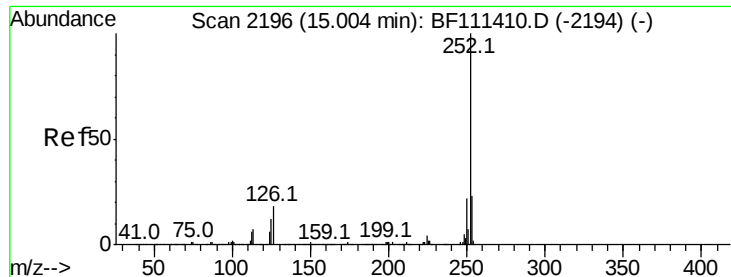
Sohil
12/17/2018 3:12:11 PM



#88
Benzo(b)fluoranthene
Concen: 41.980 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	13.9	10.4	15.6





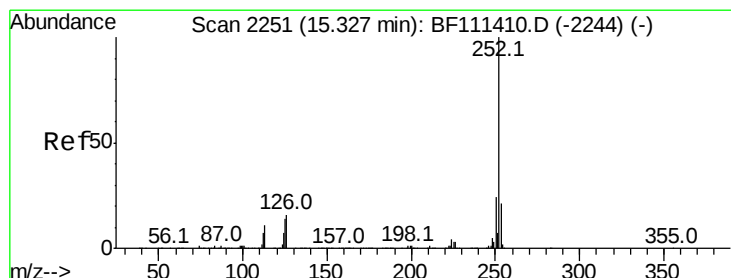
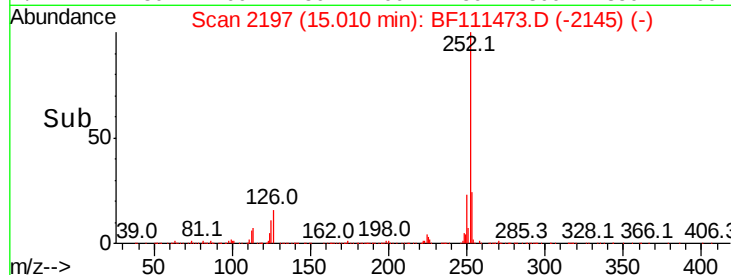
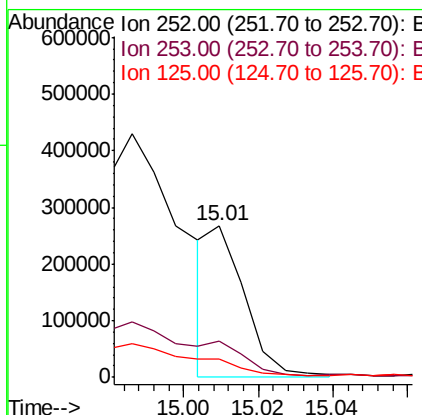
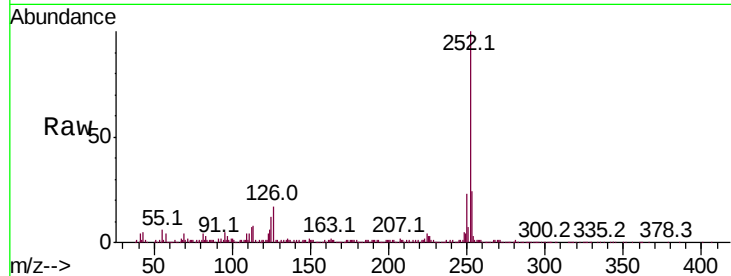
#89
Benzo(k)fluoranthene
Concen: 11.365 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	12.2	9.8	14.8

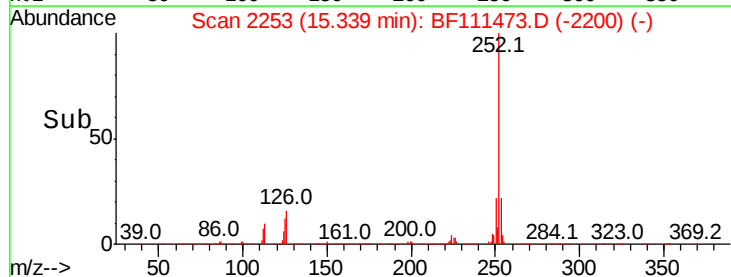
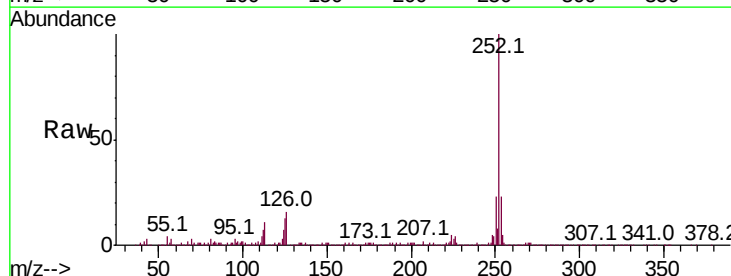
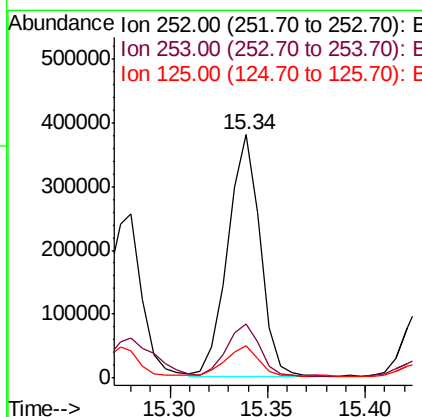
Manual Integrations
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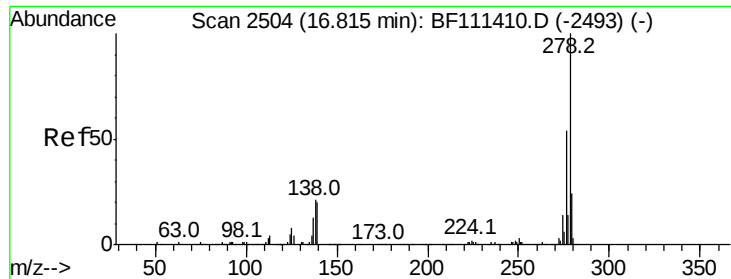
Sohil
12/17/2018 3:12:11 PM



#90
Benzo(a)pyrene
Concen: 29.480 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF111473.D
Acq: 15 Dec 2018 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	13.1	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 4.973 ng/mL

RT: 16.82 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Instrument :

BNA_F

ClientSampleId :

BORING-SAMPLE-STEAL-WELL-YA

Tot Ion:278 Resp: 57948

Ion Ratio Lower Upper

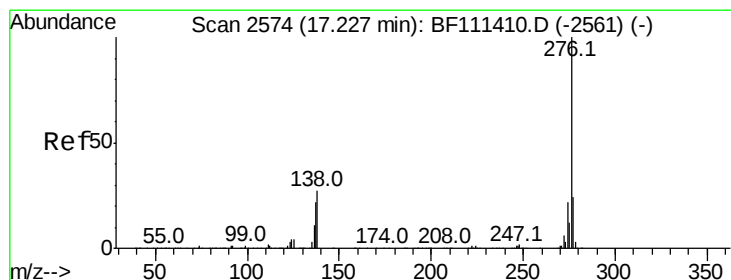
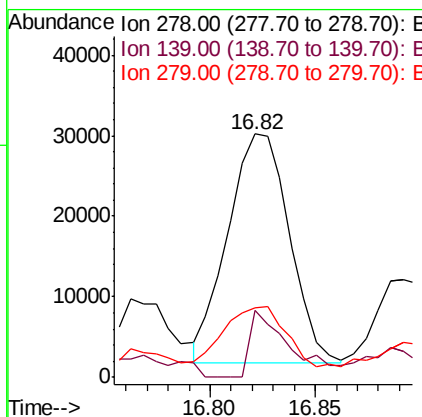
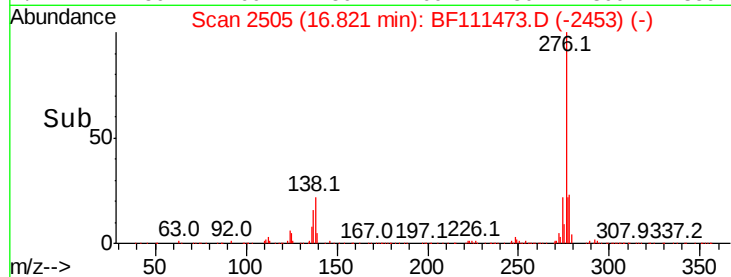
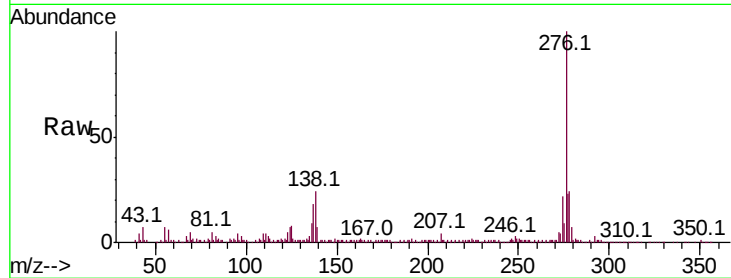
278 100

139 27.6 18.2 27.4#

279 28.7 19.0 28.6#

Manual Integrations
APPROVED

Sohil
12/17/2018 3:12:11 PM



#92

Benzo(g,h,i)perylene

Concen: 21.737 ng/mL

RT: 17.24 min Scan# 2577

Delta R.T. 0.02 min

Lab File: BF111473.D

Acq: 15 Dec 2018 17:20

Tgt Ion:276 Resp: 248642

Ion Ratio Lower Upper

276 100

277 22.6 19.2 28.8

138 28.3 24.9 37.3

