

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111376.D
 Acq On : 13 Dec 2018 18:13
 Operator : JU/SJ
 Sample : J6194-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-121118

Manual Integrations
 APPROVED

Sohil
 12/14/2018 12:53:25 PM

Quant Time: Dec 13 21:47:03 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	257125	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	986519	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	378003	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	556353	20.00	ng	0.00
76) Chrysene-d12	13.95	240	401830	20.00	ng	0.00
87) Perylene-d12	15.39	264	309084	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	836147	54.99	ng	0.00
7) Phenol-d6	6.43	99	1064638	51.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	621077	35.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	146179	43.87	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	949606	40.33	ng	0.00
79) Terphenyl-d14	12.90	244	653841	35.81	ng	0.00
Target Compounds						
10) Phenol	6.44	94	69179	2.979	ng	Qvalue 91
49) Acenaphthylene	9.69	152	85207	2.361	ng	98
50) Dimethylphthalate	9.55	163	71720	2.638	ng	97
52) Acenaphthene	9.86	154	84883	3.729	ng	99
58) Fluorene	10.37	166	98165	4.176	ng	98
71) Phenanthrene	11.33	178	756947	26.323	ng	93
72) Anthracene	11.39	178	205766	7.027	ng	94
73) Carbazole	11.54	167	97694	3.227	ng	96
75) Fluoranthene	12.53	202	998827	35.580	ng	97
78) Pyrene	12.76	202	997993	32.181	ng	96
81) Benzo(a)anthracene	13.94	228	380027	16.903	ng	96
83) Chrysene	13.97	228	339853	14.816	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	120187	6.699	ng	# 90
88) Benzo(b)fluoranthene	14.98	252	287955m	16.384	ng	
89) Benzo(k)fluoranthene	15.00	252	107313m	6.117	ng	
90) Benzo(a)pyrene	15.33	252	222819	13.616	ng	96
91) Dibenzo(a,h)anthracene	16.82	278	29747	2.185	ng	# 84
92) Benzo(g,h,i)perylene	17.23	276	123606	9.080	ng	96

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

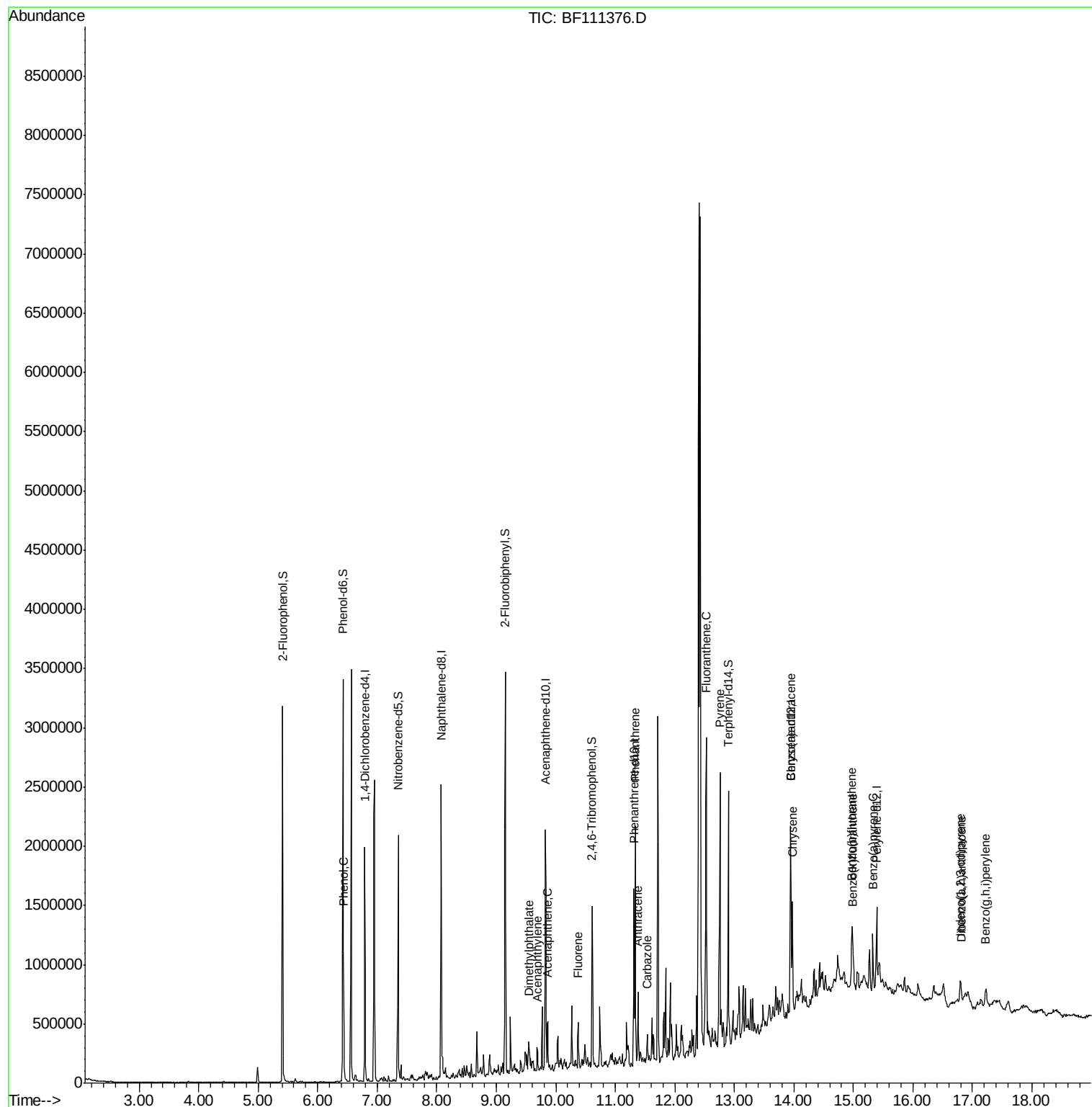
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111376.D
Acq On : 13 Dec 2018 18:13
Operator : JU/SJ
Sample : J6194-05 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

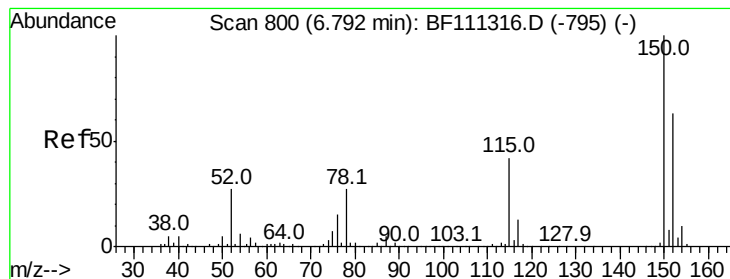
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

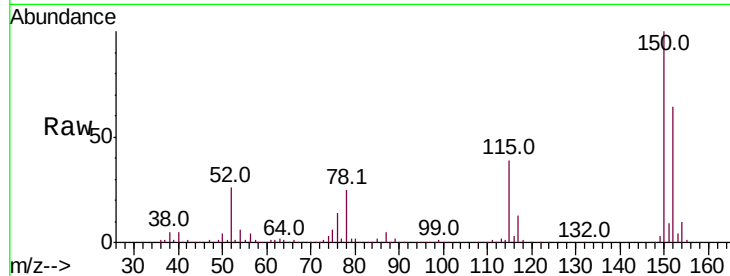
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	189.8
115	62.0	50.7	76.1

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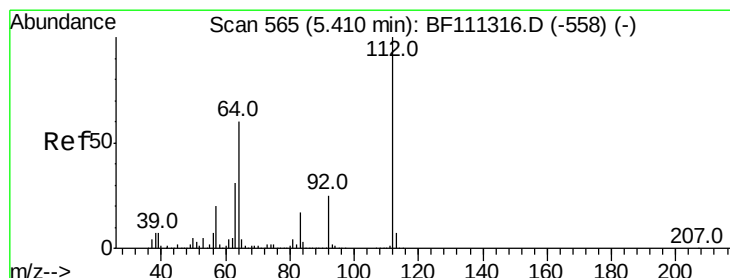
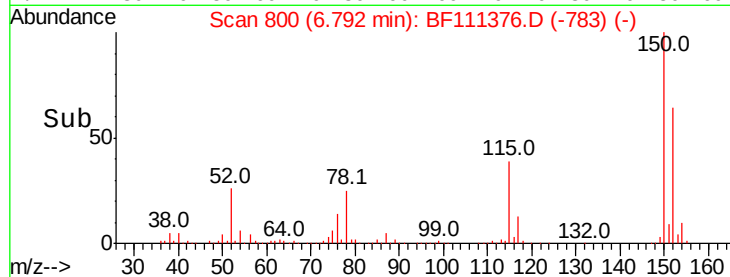
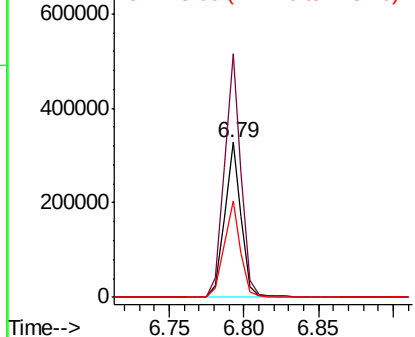


Abundance

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: 54.991 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

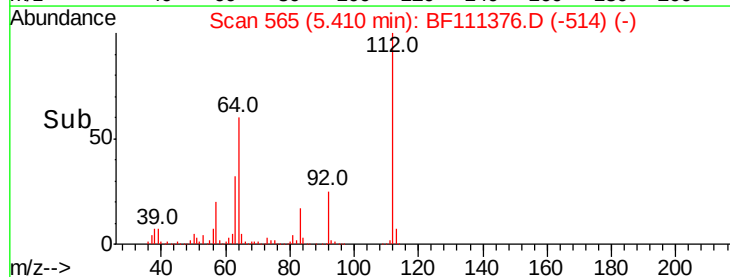
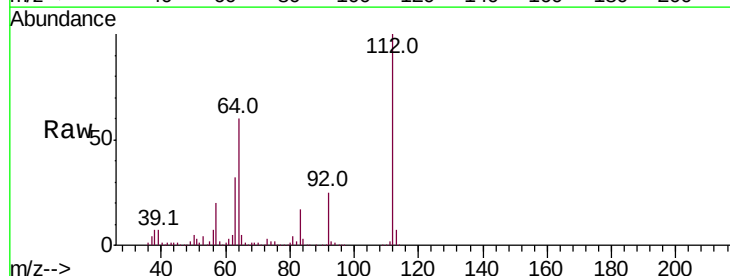
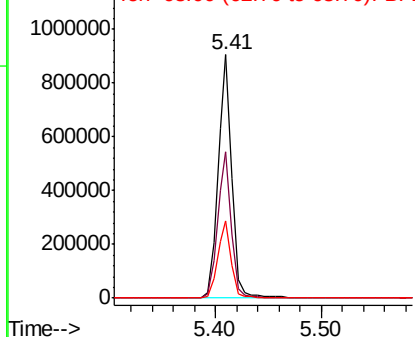
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.8	77.6
63	31.5	26.8	40.2

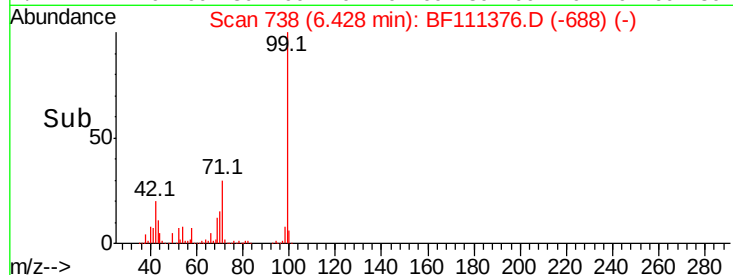
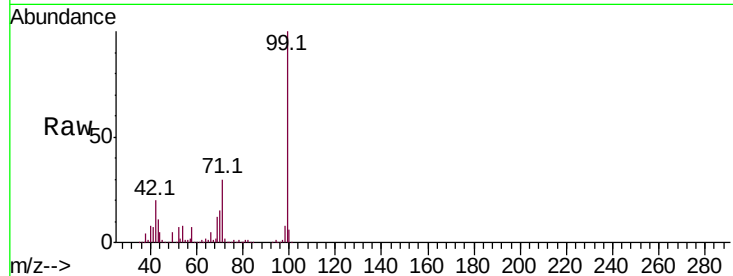
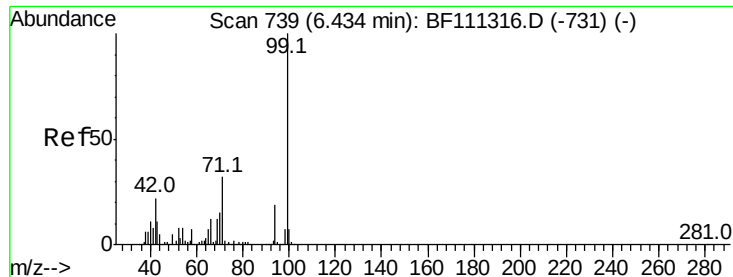
Abundance

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: 51.932 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111376.D

Acq: 13 Dec 2018 18:13

Tot Ion: 99 Resp: 1064638

Ion Ratio Lower Upper

99 100

42 20.1 17.4 26.0

71 30.0 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

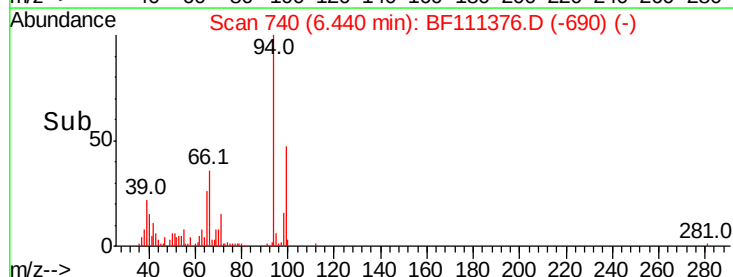
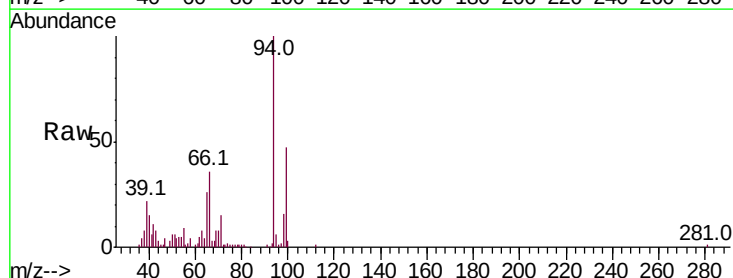
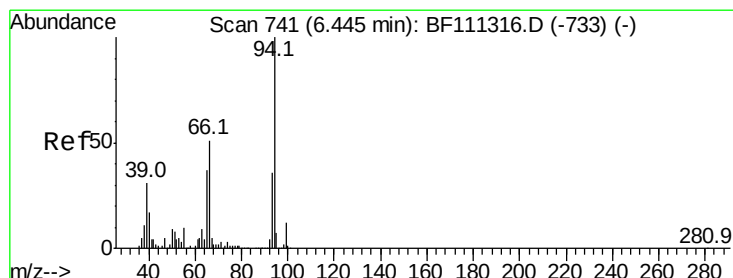
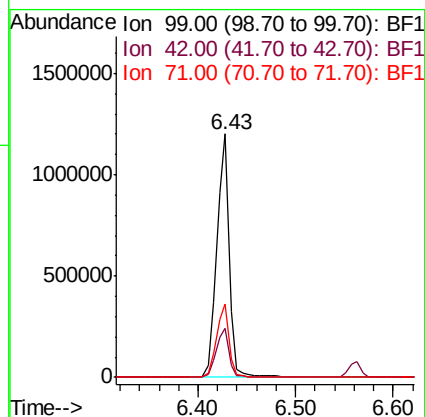
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#10

Phenol

Concen: 2.979 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111376.D

Acq: 13 Dec 2018 18:13

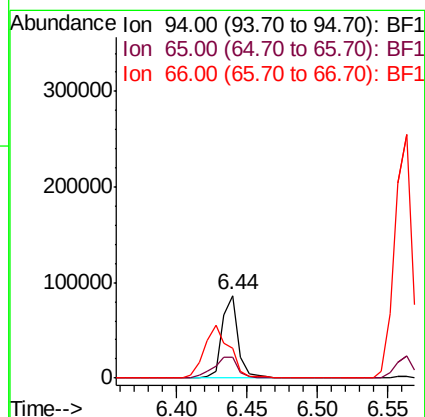
Tgt Ion: 94 Resp: 69179

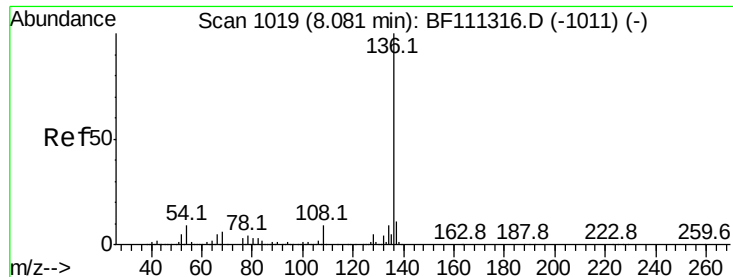
Ion Ratio Lower Upper

94 100

65 26.0 11.7 51.7

66 36.0 21.0 61.0





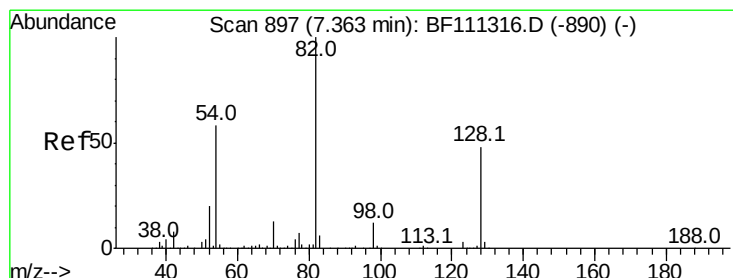
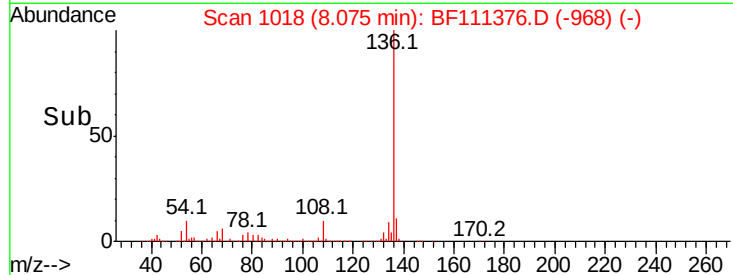
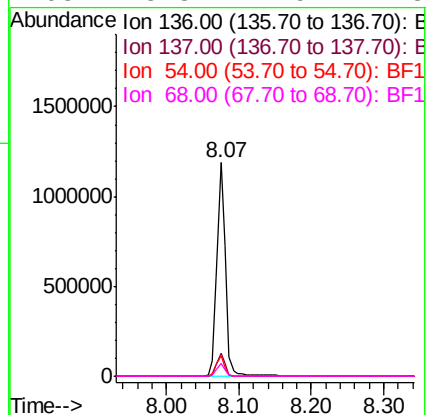
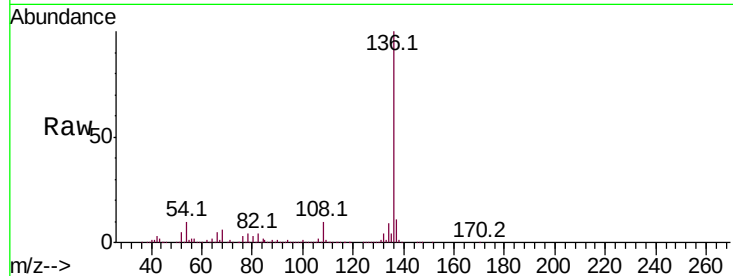
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	9.8	7.7	11.5	
68	5.8	4.9	7.3	

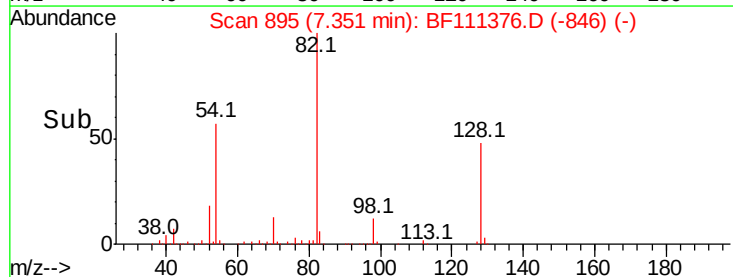
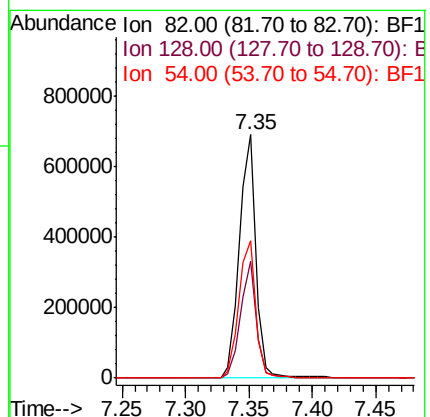
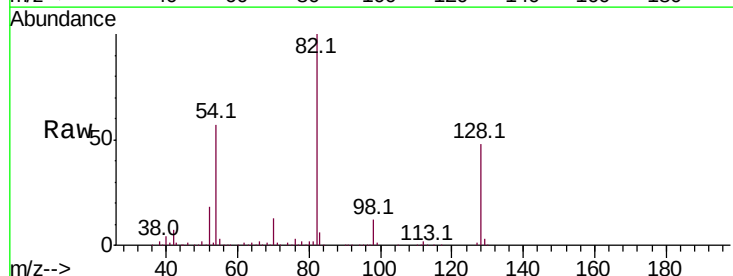
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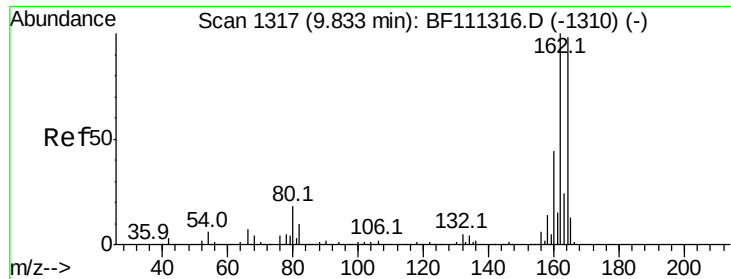
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#23
Nitrobenzene-d5
Concen: 35.484 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.8	37.4	56.2	
54	56.5	47.6	71.4	





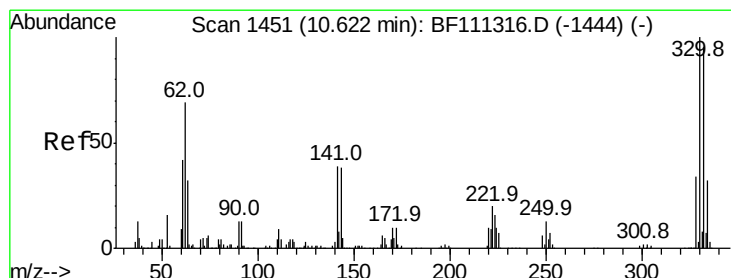
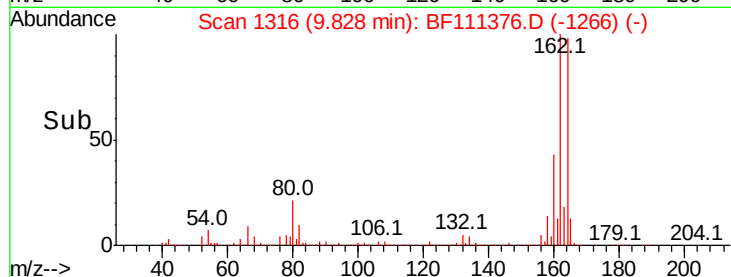
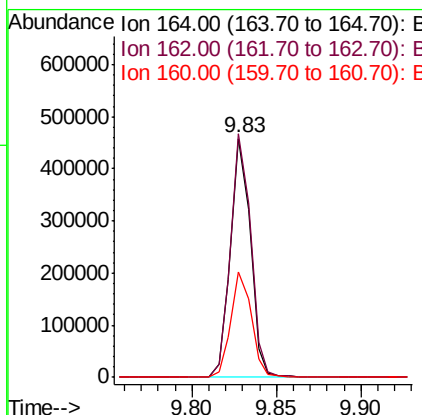
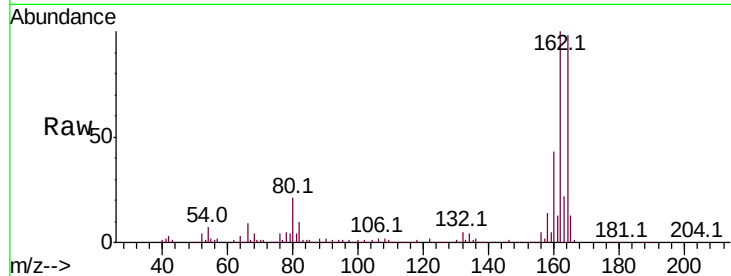
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.4	122.0
160	44.3	35.7	53.5

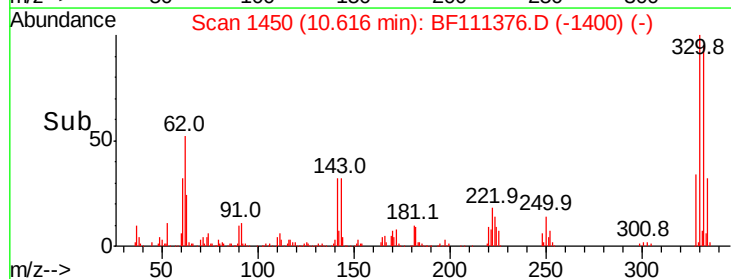
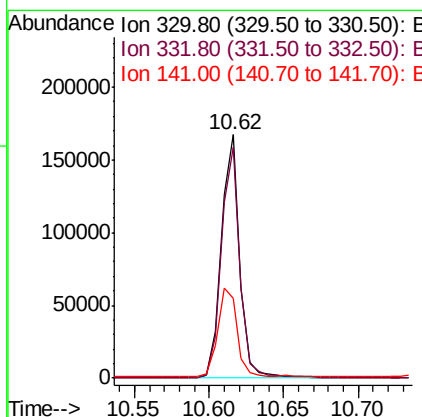
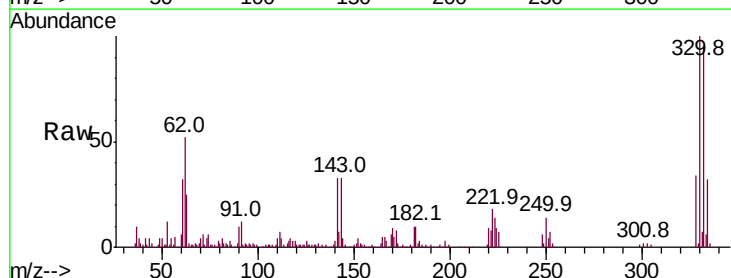
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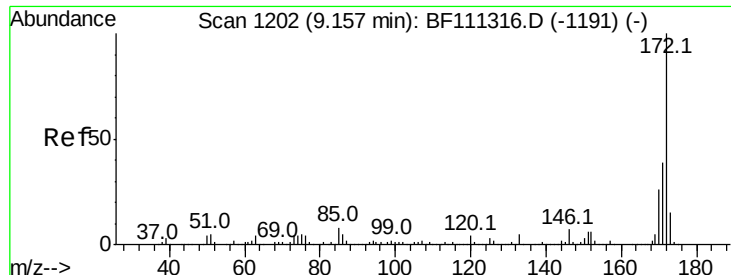
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#42
2,4,6-Tribromophenol
Concen: 43.869 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.0	114.0
141	38.2	31.0	46.6





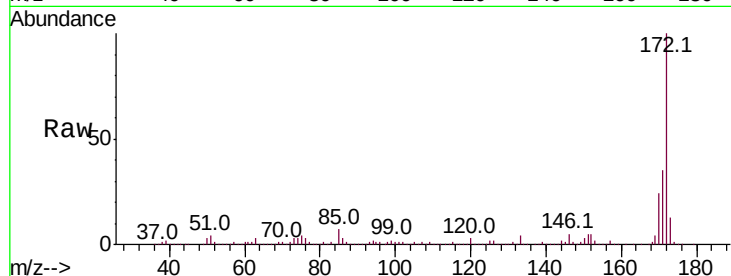
#45
2-Fluorobiphenyl
Concen: 40.332 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
172	100	949606		
171	35.3		33.0	49.4
170	23.9		22.3	33.5

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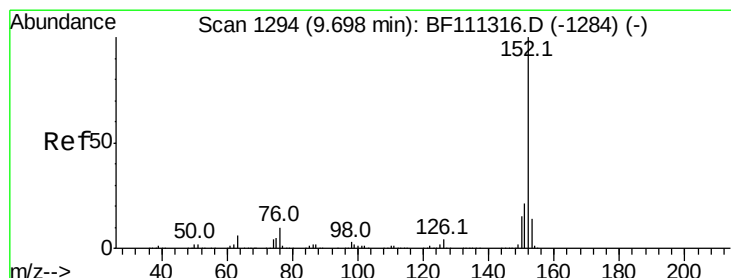
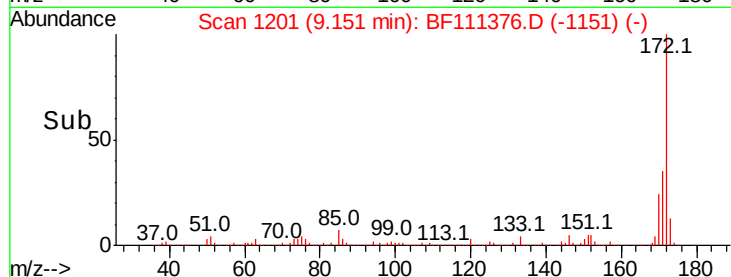
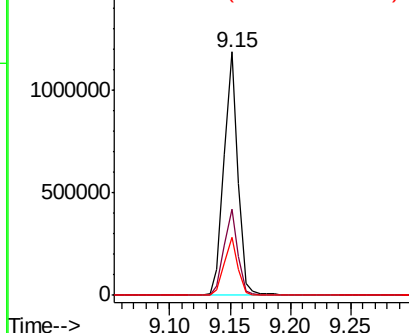


Abundance

Ion 172.00 (171.70 to 172.70): E

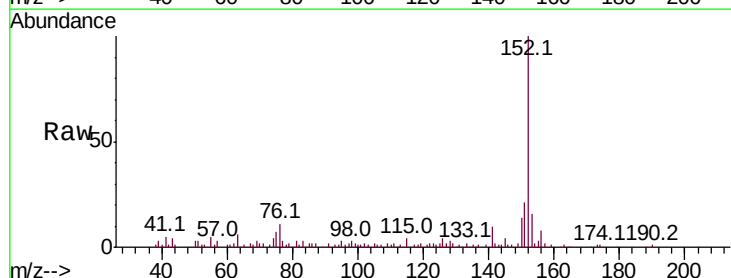
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 2.361 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	85207		
151	21.0		18.0	27.0
153	15.6		12.3	18.5

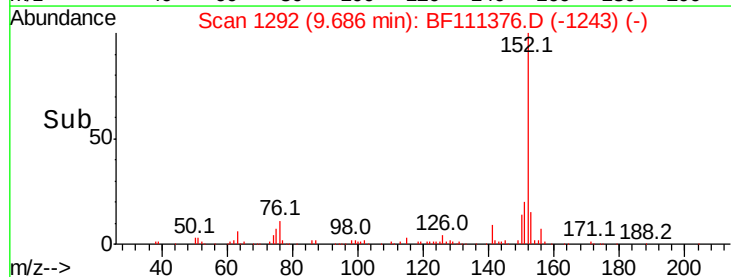
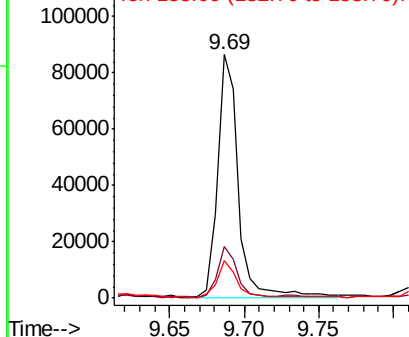


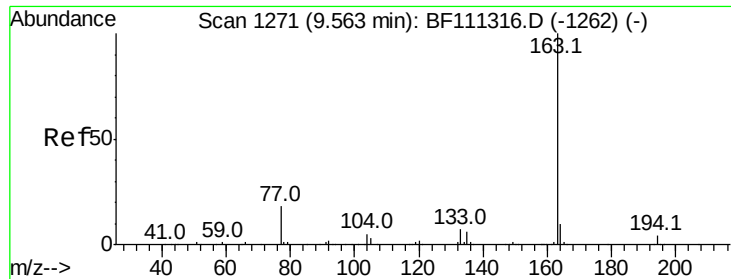
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





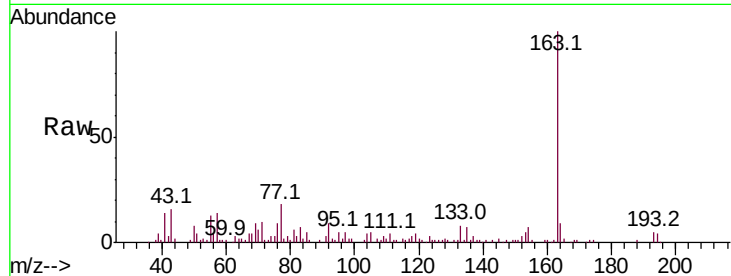
#50
Dimethylphthalate
Concen: 2.638 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampled :
OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
163	100	71720		
194	3.9		3.0	4.6
164	9.5		8.9	13.3

Manual Integrations
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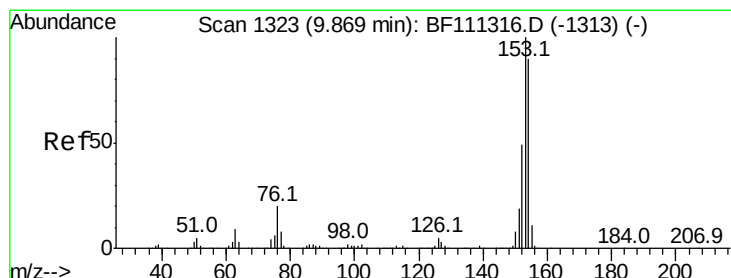
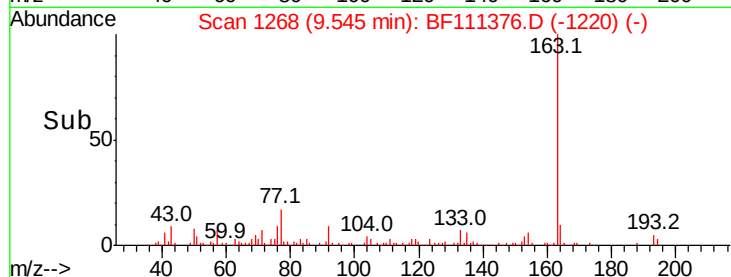
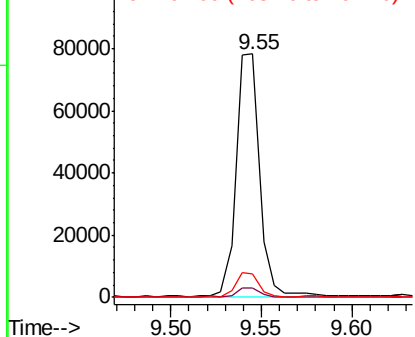


Abundance

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: 3.729 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

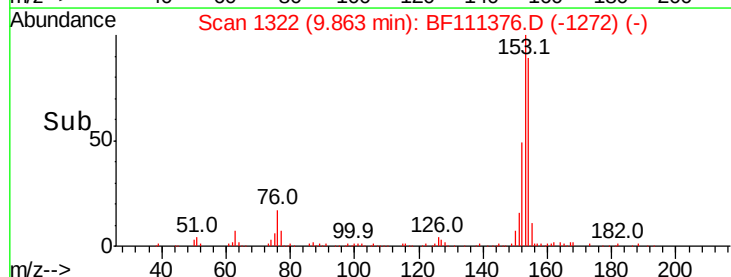
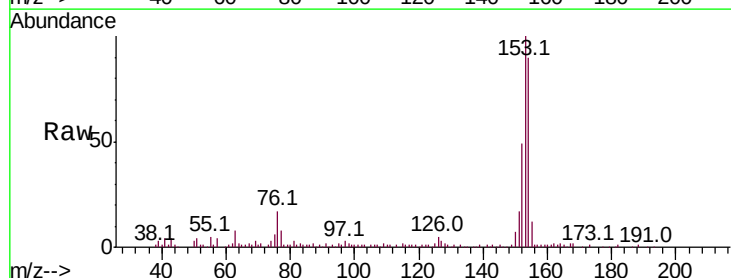
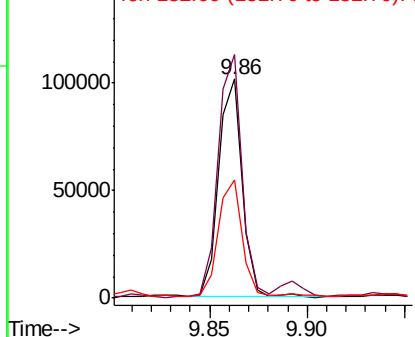
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	84883		
153	111.1		87.8	131.8
152	54.0		43.4	65.2

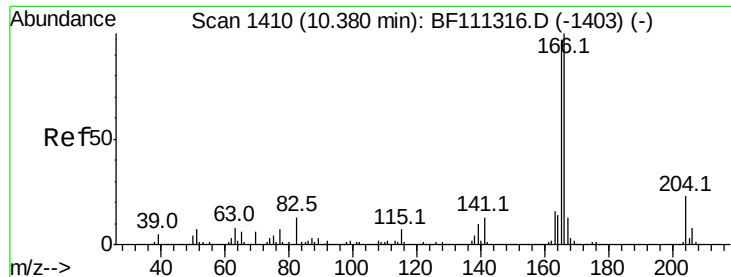
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





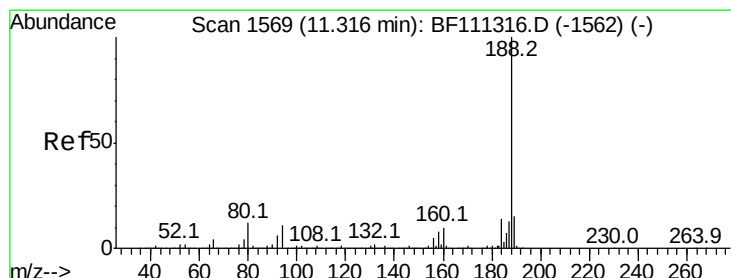
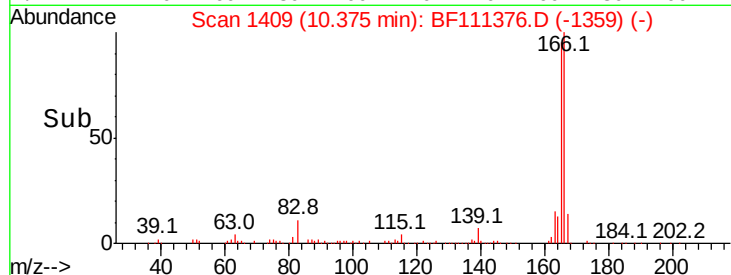
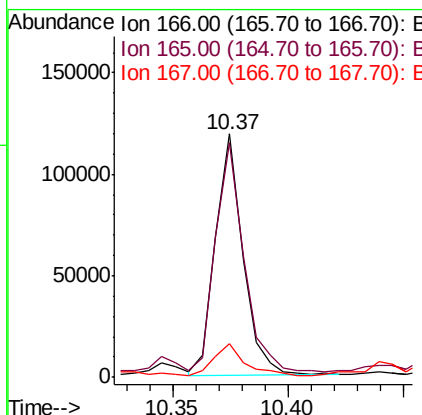
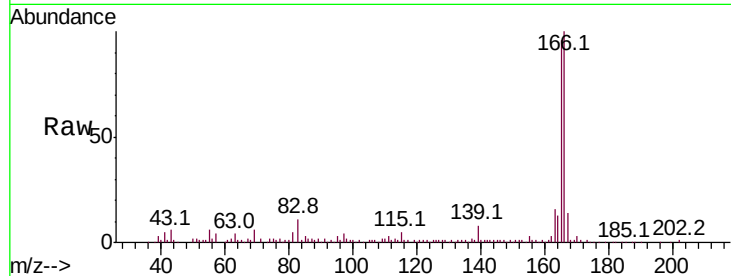
#58
 Fluorene
 Concen: 4.176 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF111376.D
 Acq: 13 Dec 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-121118

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.2	78.4	117.6	
167	14.0	11.2	16.8	

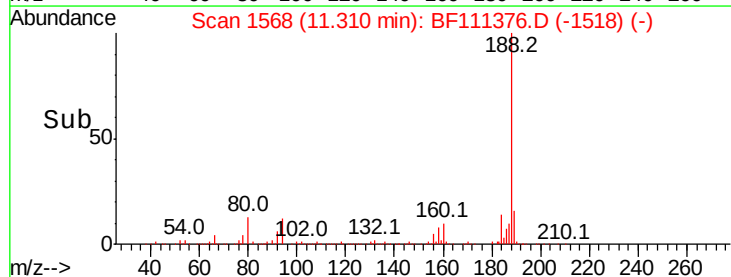
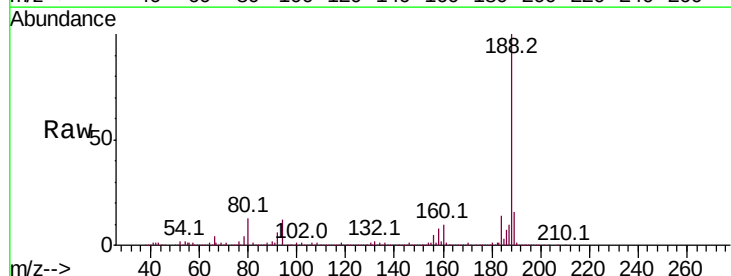
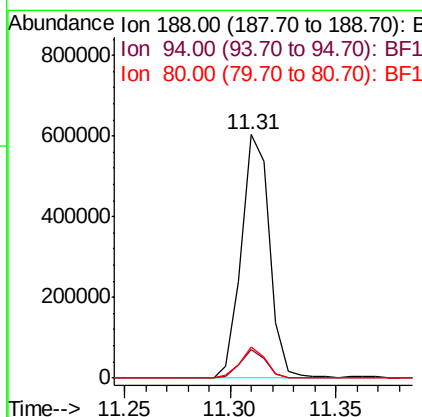
Manual Integrations
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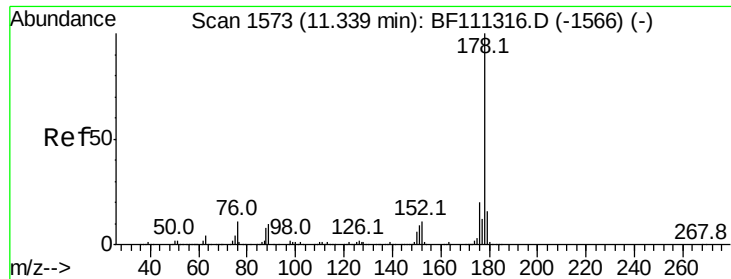
Sohil
 12/14/2018 12:53:25 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111376.D
 Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.7	9.6	14.4	
80	12.7	9.8	14.6	





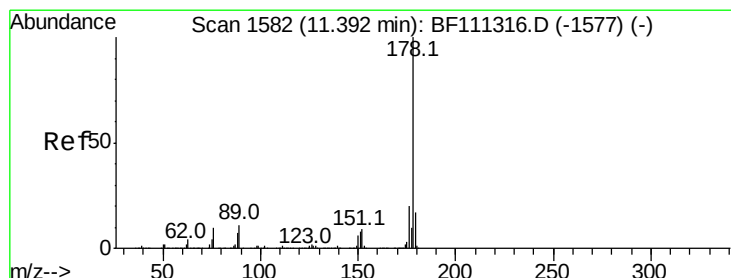
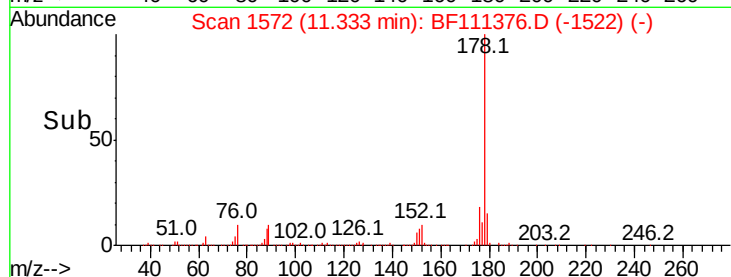
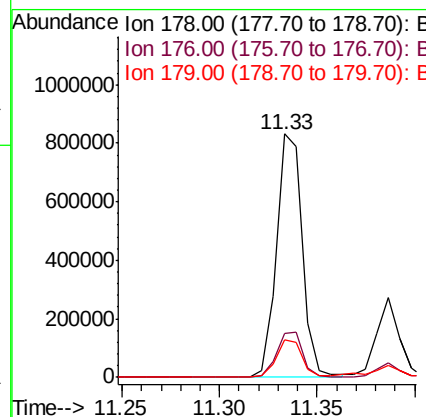
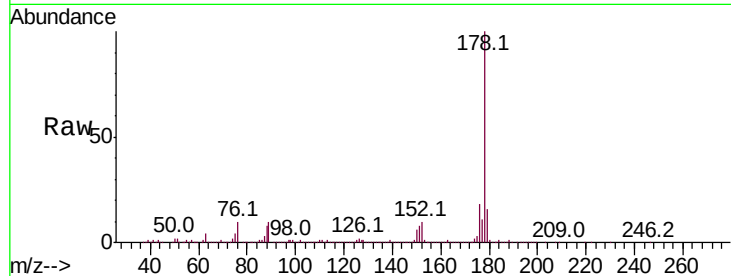
#71
Phenanthrene
Concen: 26.323 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	18.1	27.1
179	15.7	14.0	21.0

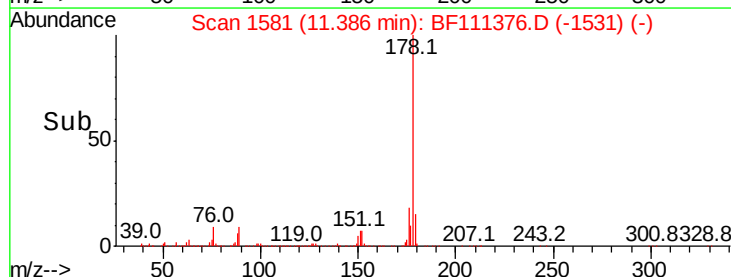
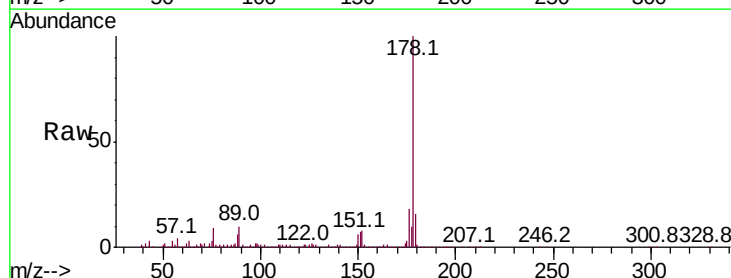
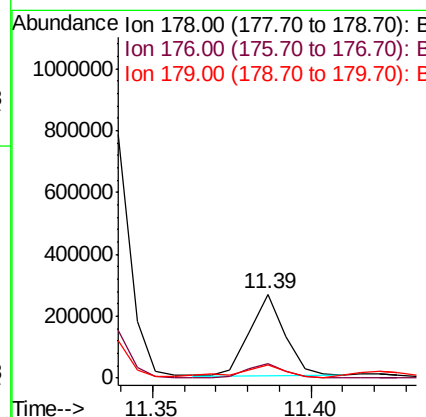
Manual Integrations
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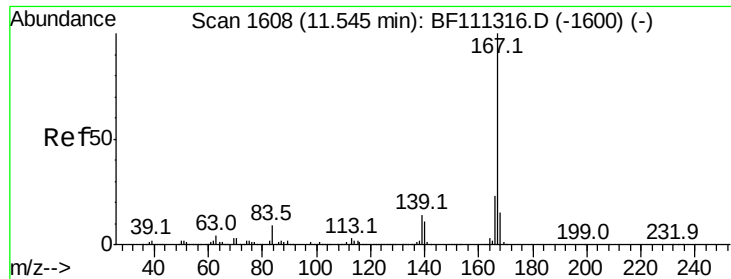
Sohil
12/14/2018 12:53:25 PM



#72
Anthracene
Concen: 7.027 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	17.2	25.8
179	15.7	13.8	20.8





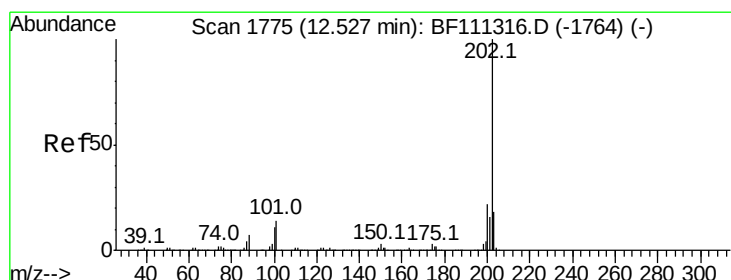
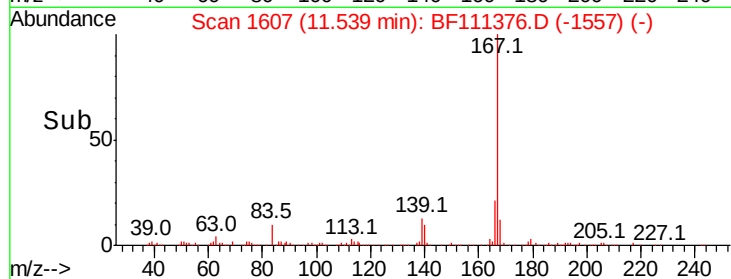
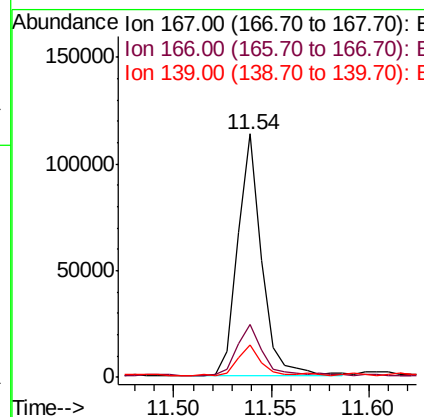
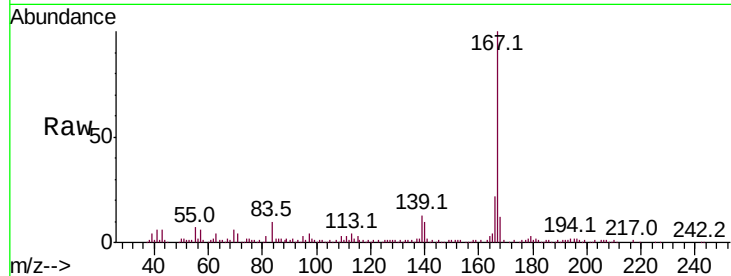
#73
 Carbazole
 Concen: 3.227 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111376.D
 Acq: 13 Dec 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-121118

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	19.3	28.9
139	13.4	11.9	17.9

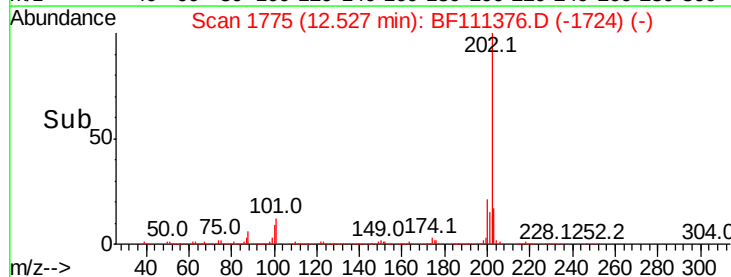
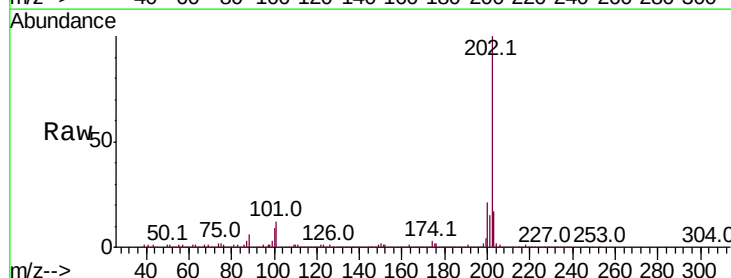
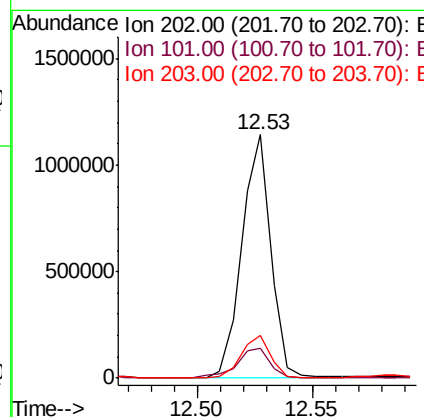
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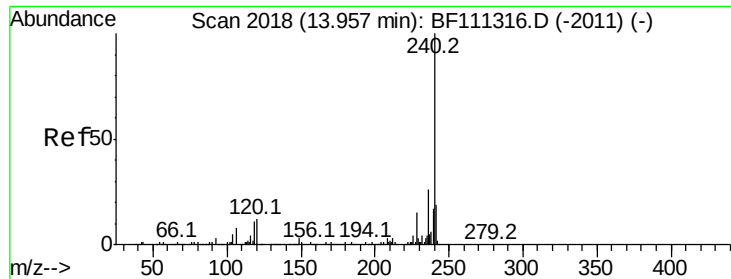
Sohil
 12/14/2018 12:53:25 PM



#75
 Fluoranthene
 Concen: 35.580 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF111376.D
 Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.8
203	17.4	0.0	38.6





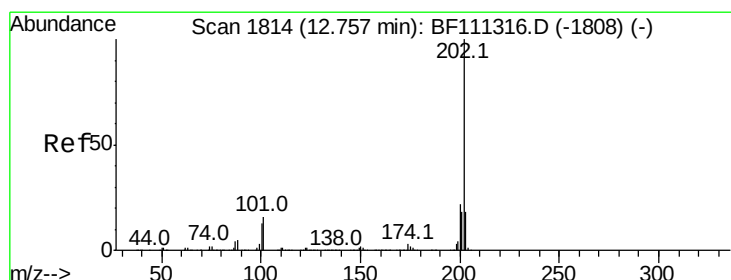
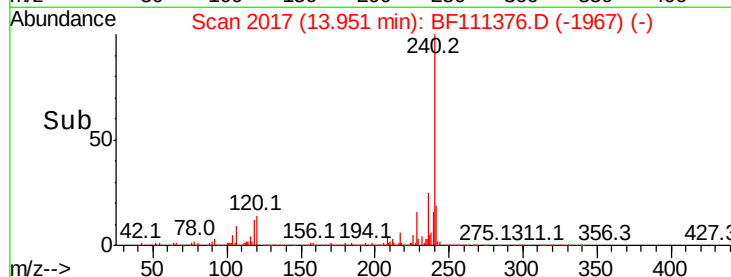
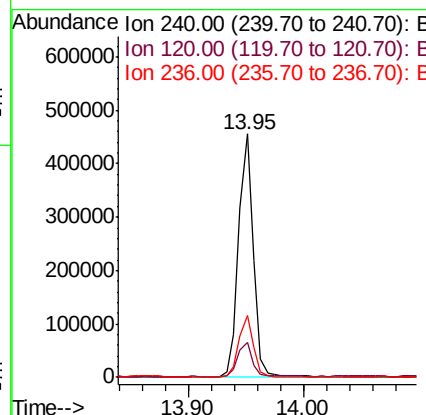
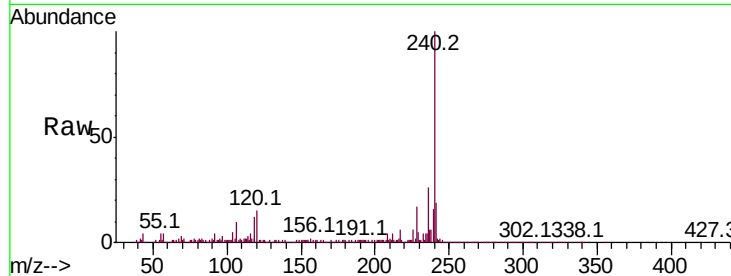
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	12.2	18.2
236	25.6	20.2	30.2

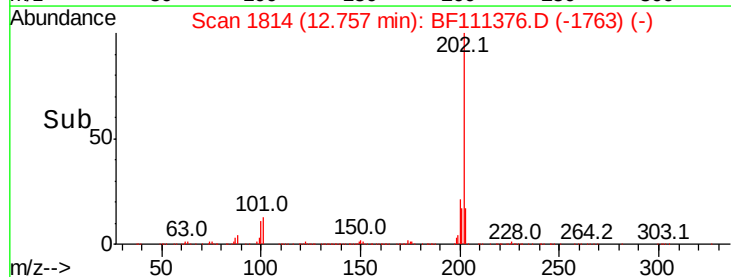
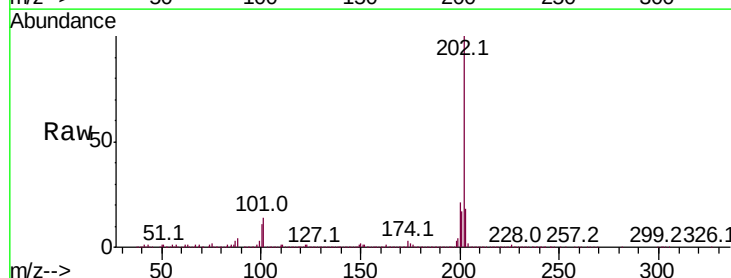
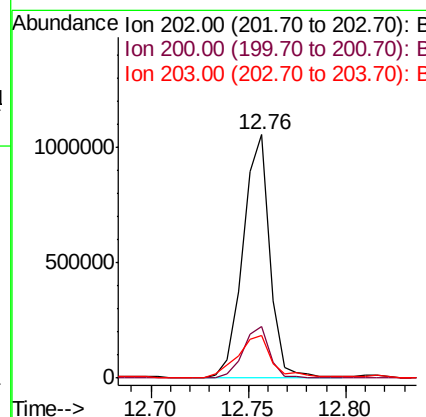
Manual Integrations
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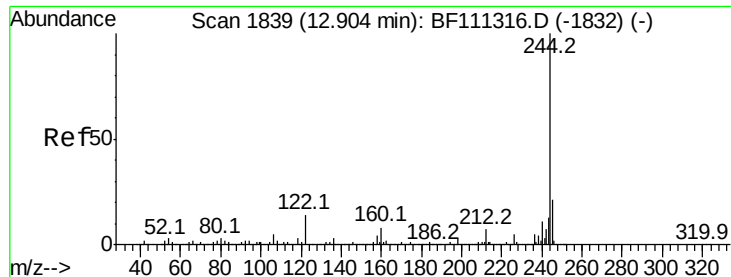
Sohil
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#78
Pyrene
Concen: 32.181 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	19.0	28.4
203	17.6	15.2	22.8





#79

Terphenyl-d14

Concen: 35.813 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111376.D

Acq: 13 Dec 2018 18:13

Instrument :

BNA_F

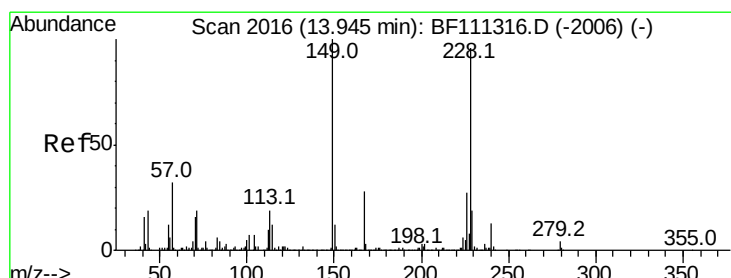
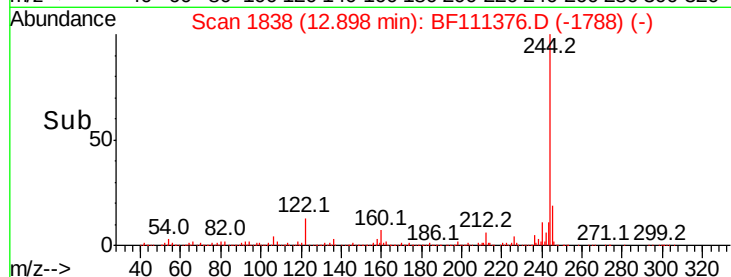
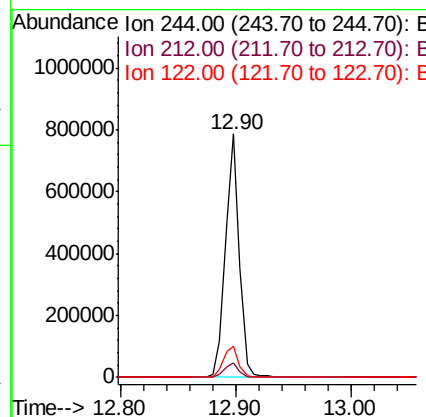
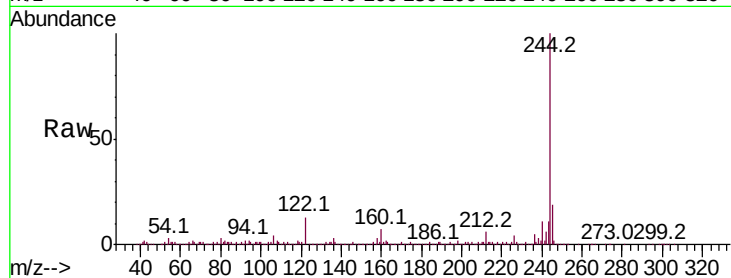
ClientSampleId :

OK-03-121118

Tot Ion:	244	Resp:	653841
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.7	8.5
122	12.6	13.1	19.7#

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#81

Benzo(a)anthracene

Concen: 16.903 ng

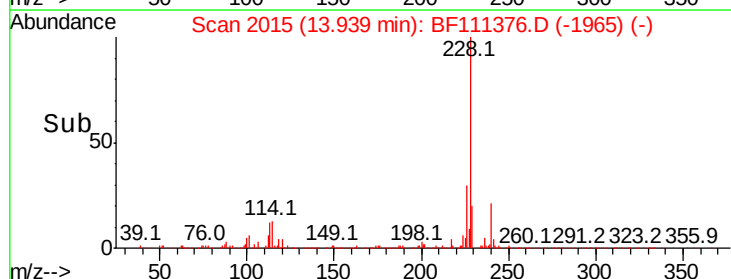
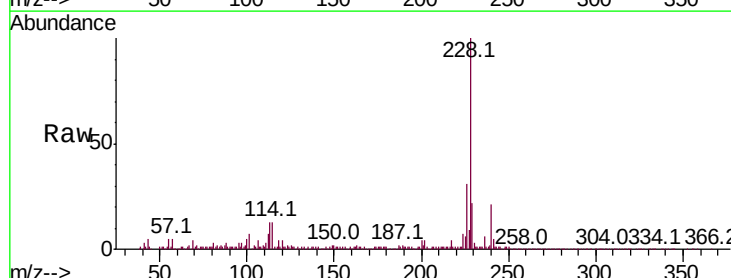
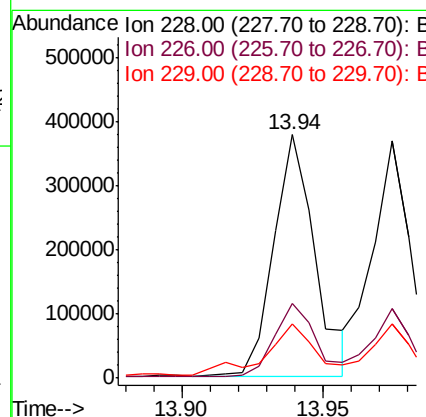
RT: 13.94 min Scan# 2015

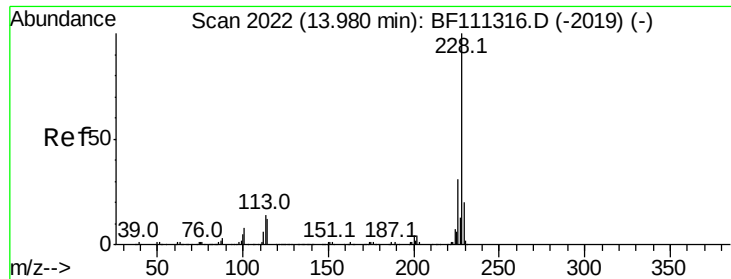
Delta R.T. -0.01 min

Lab File: BF111376.D

Acq: 13 Dec 2018 18:13

Tgt Ion:	228	Resp:	380027
Ion Ratio	Lower	Upper	
228	100		
226	30.8	22.6	34.0
229	22.1	16.3	24.5





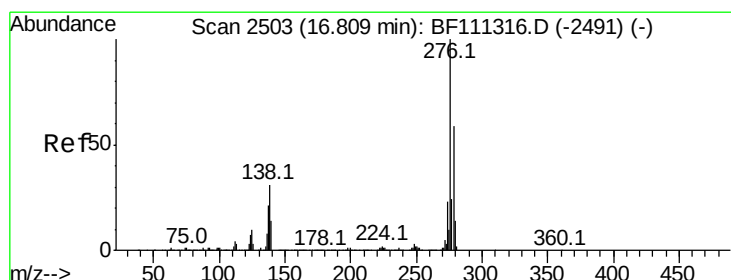
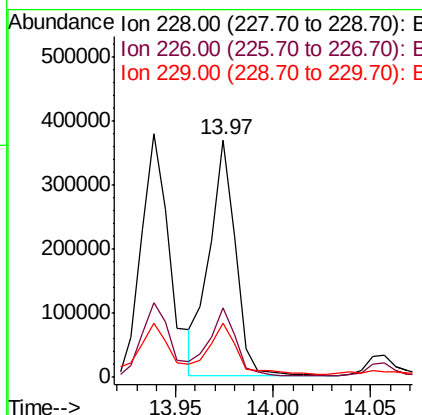
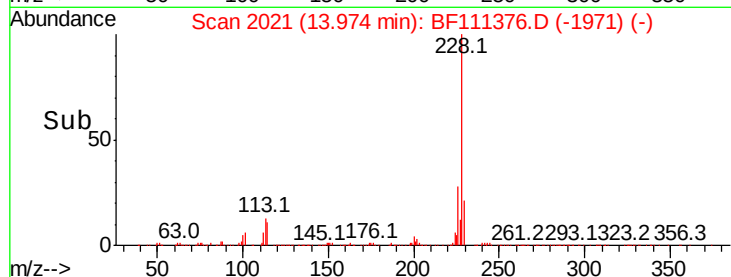
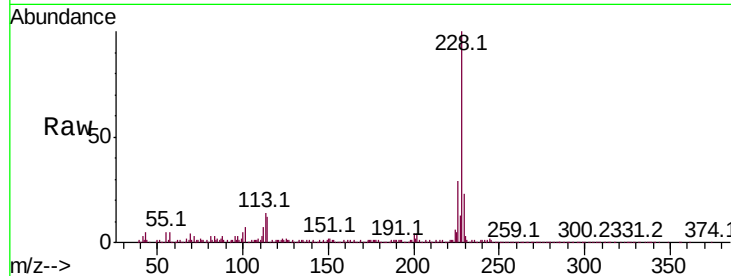
#83
Chrysene
Concen: 14.816 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.3	37.9
229	22.7	17.2	25.8

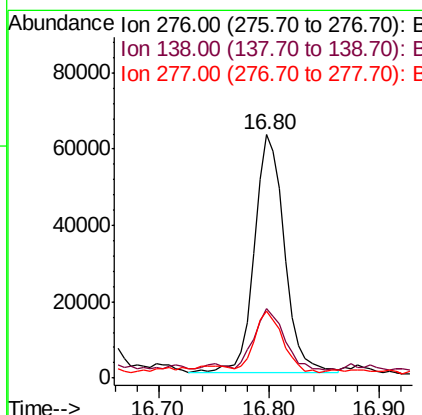
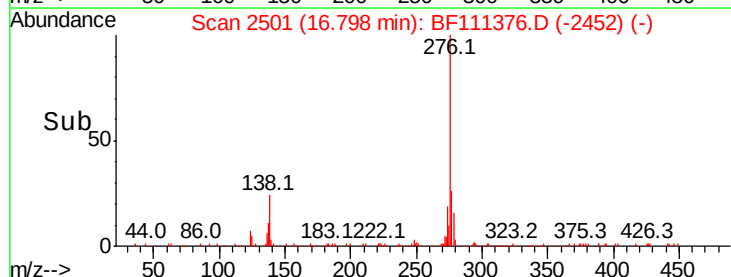
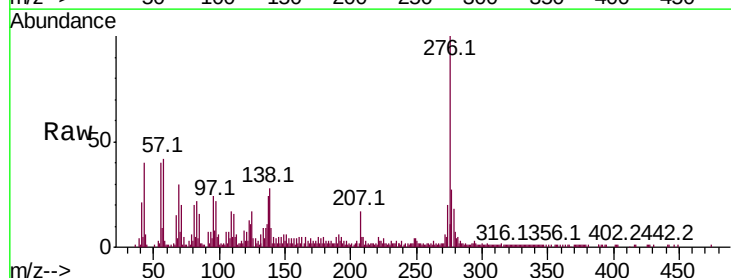
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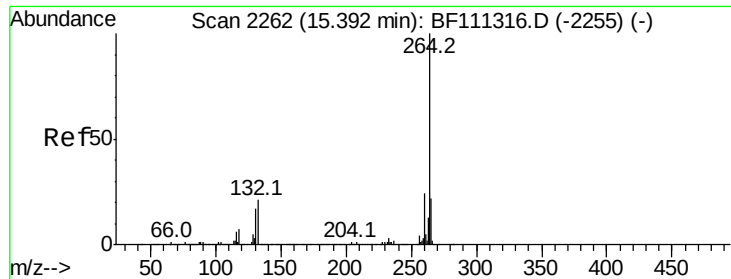
Sohil
12/14/2018 12:53:25 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.699 ng
RT: 16.80 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	27.8	41.6#
277	24.1	20.1	30.1





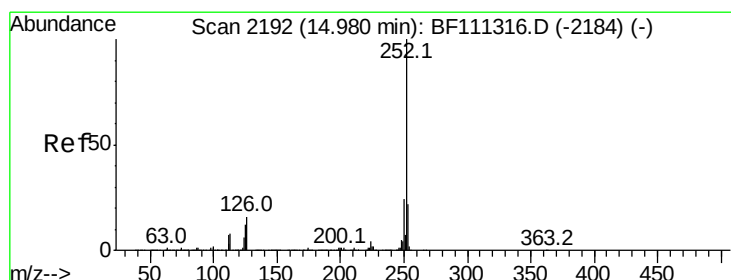
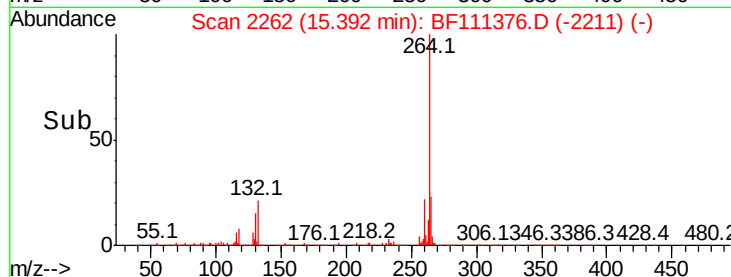
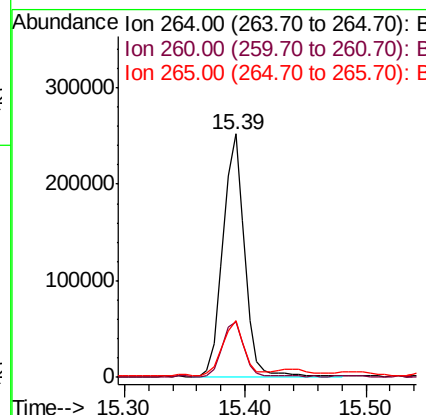
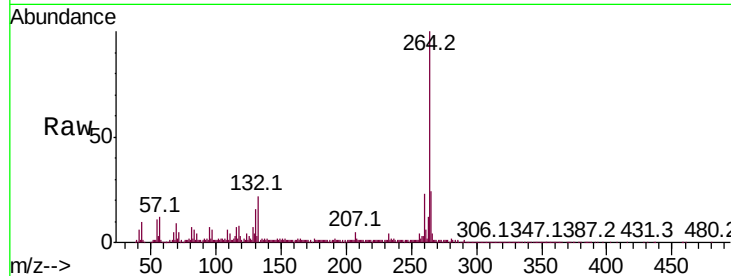
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	23.6	17.7	26.5

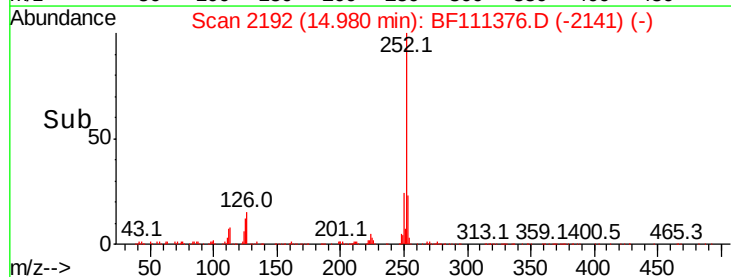
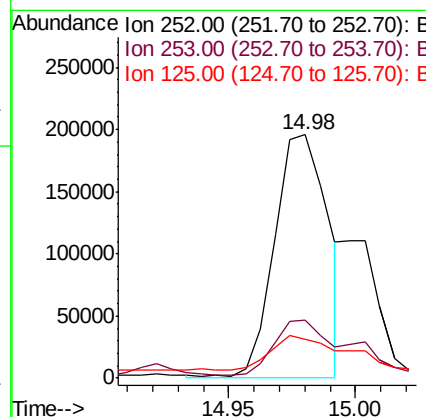
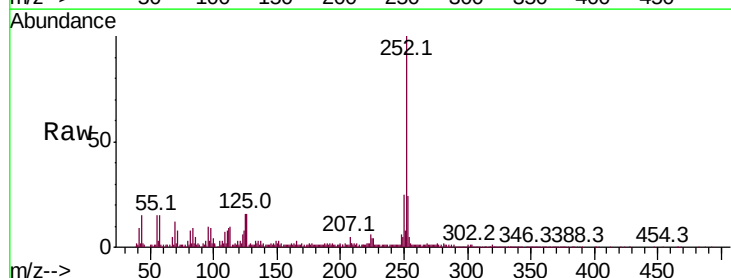
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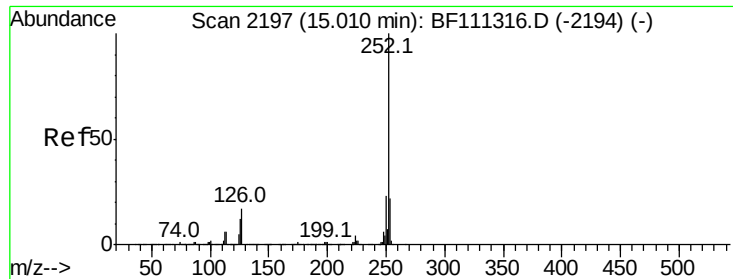
Sohil
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#88
Benzo(b)fluoranthene
Concen: 16.384 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	15.9	10.4	15.6#





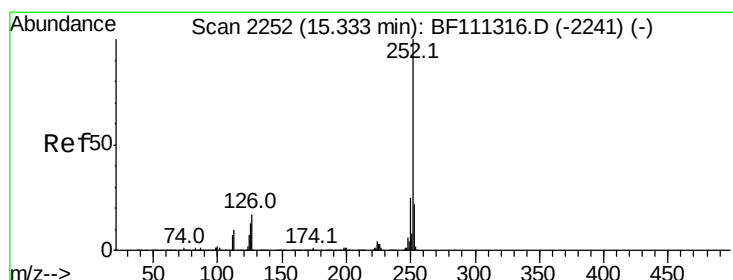
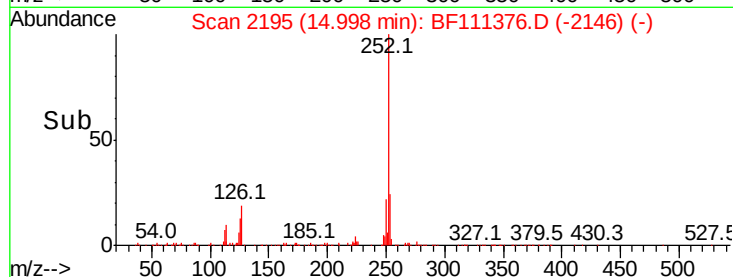
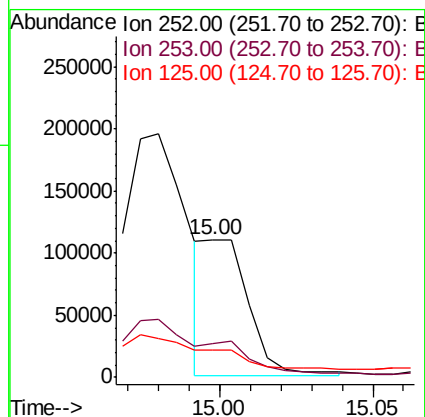
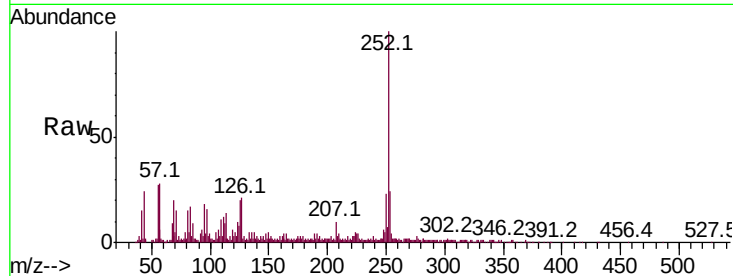
#89
Benzo(k)fluoranthene
Concen: 6.117 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	19.7	9.8	14.8

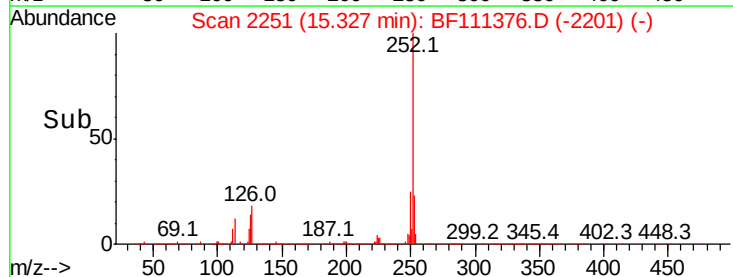
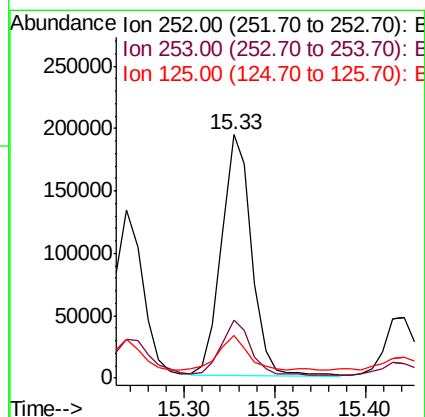
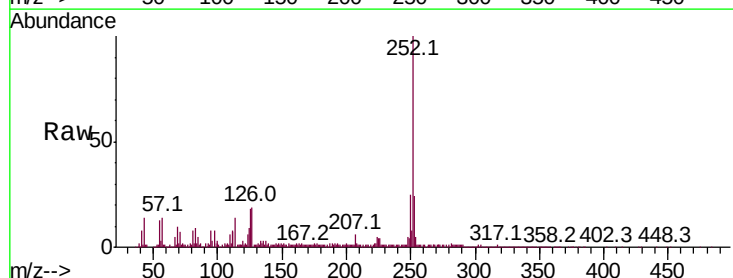
Manual Integrations
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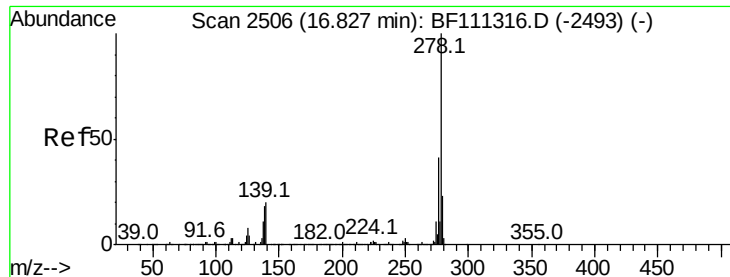
Sohil
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#90
Benzo(a)pyrene
Concen: 13.616 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	17.5	12.3	18.5





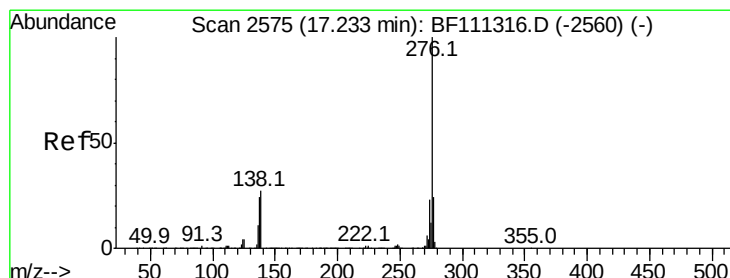
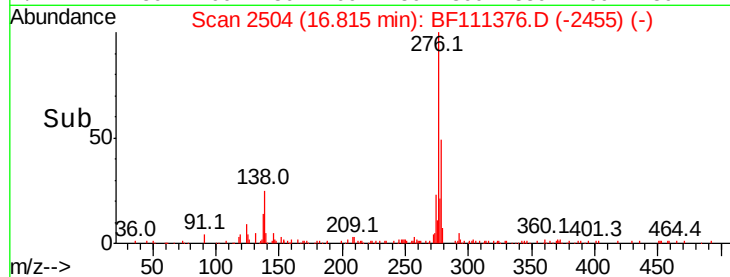
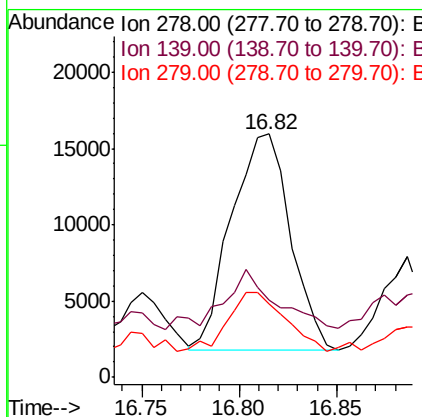
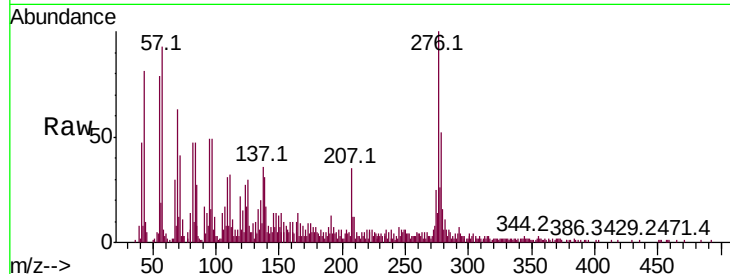
#91
Dibenzo(a,h)anthracene
Concen: 2.185 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Instrument :
BNA_F
ClientSampleId :
OK-03-121118

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.8	18.2	27.4#
279	30.2	19.0	28.6#

Manual Integrations
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12/14/2018 12:53:25 PM



#92
Benzo(g,h,i)perylene
Concen: 9.080 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF111376.D
Acq: 13 Dec 2018 18:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	27.8	24.9	37.3

