

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
 Data File : BF112566.D
 Acq On : 14 Feb 2019 14:31
 Operator : JU/SJ
 Sample : K1349-07 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-021319-B

Manual Integrations
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Quant Time: Feb 15 06:27:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	87142	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	330833	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	148375	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	282881	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	248376	20.00	ng	0.00
87) Perylene-d12	15.49	264	176235	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	231690	56.47	ng	-0.02
7) Phenol-d6	6.47	99	290515	50.96	ng	-0.02
23) Nitrobenzene-d5	7.39	82	177420	30.90	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	80132	46.40	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	320166	30.52	ng	-0.02
79) Terphenyl-d14	12.94	244	339608	25.75	ng	-0.01
Target Compounds						
31) Naphthalene	8.13	128	199771	12.912	ng	Qvalue 99
37) 2-Methylnaphthalene	8.83	142	158358	14.952	ng	99
38) 1-Methylnaphthalene	8.92	142	130205	12.826	ng	96
49) Acenaphthylene	9.73	152	52051	3.530	ng	97
50) Dimethylphthalate	9.58	163	26988	2.341	ng	# 97
52) Acenaphthene	9.90	154	47339	5.375	ng	99
55) Dibenzofuran	10.07	168	39418	2.929	ng	# 87
58) Fluorene	10.42	166	89123	8.849	ng	96
71) Phenanthrene	11.38	178	498361	33.887	ng	98
72) Anthracene	11.43	178	123649	8.440	ng	98
73) Carbazole	11.59	167	33214	2.298	ng	# 96
75) Fluoranthene	12.57	202	504375	31.976	ng	99
78) Pvrene	12.81	202	518356	30.144	ng	98
81) Benzo(a)anthracene	14.00	228	223726	15.323	ng	99
83) Chrysene	14.03	228	190560	13.673	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	59430	5.381	ng	# 92
88) Benzo(b)fluoranthene	15.06	252	170812m	16.207	ng	
89) Benzo(k)fluoranthene	15.08	252	56055m	5.552	ng	
90) Benzo(a)pvrene	15.43	252	124775	13.157	ng	# 95
91) Dibenzo(a,h)anthracene	16.99	278	17174	2.247	ng	# 58
92) Benzo(q,h,i)perylene	17.44	276	58803	8.155	ng	96

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

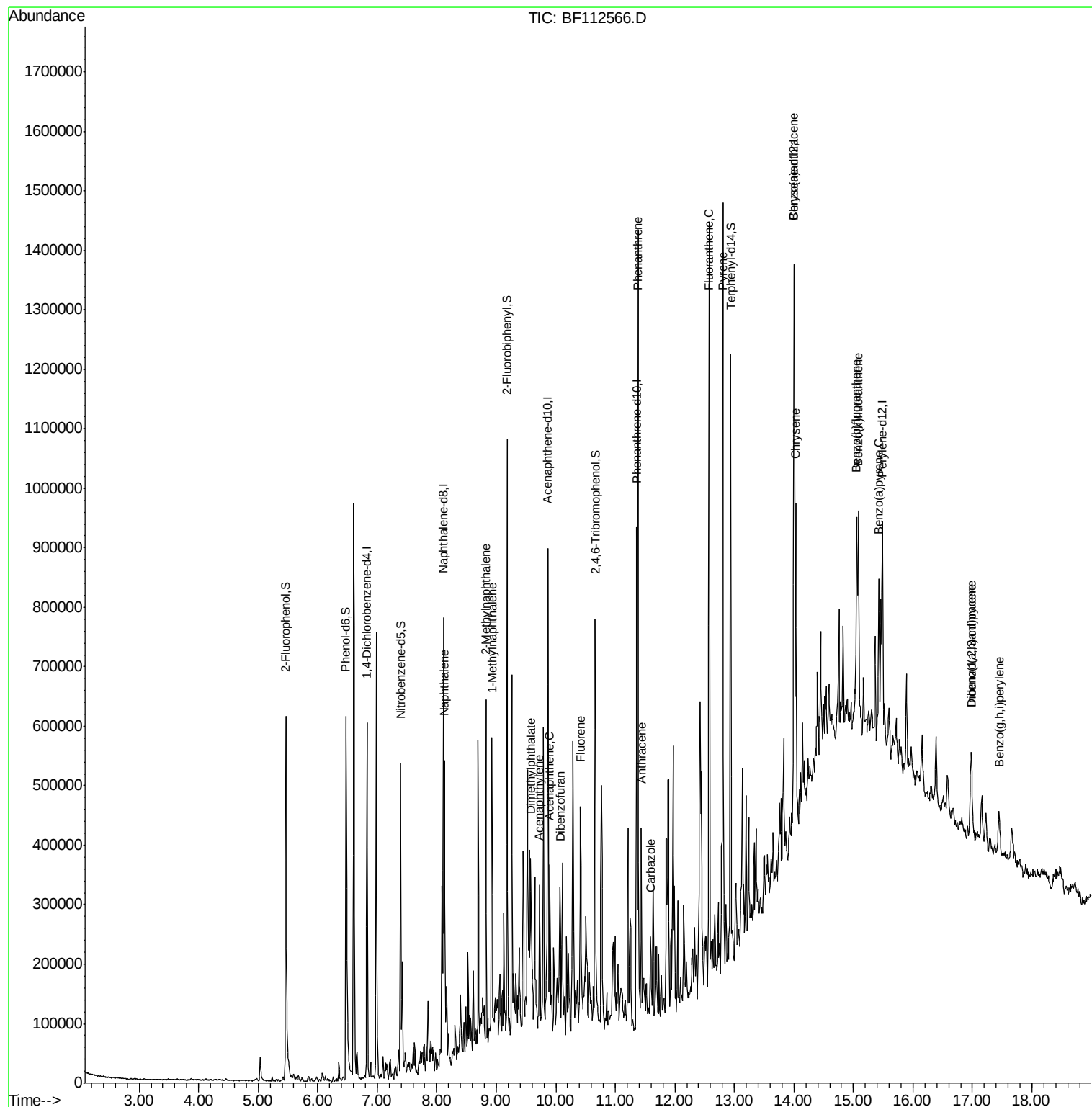
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
Data File : BF112566.D
Acq On : 14 Feb 2019 14:31
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Misc :
ALS Vial : 8 Sample Multiplier: 1

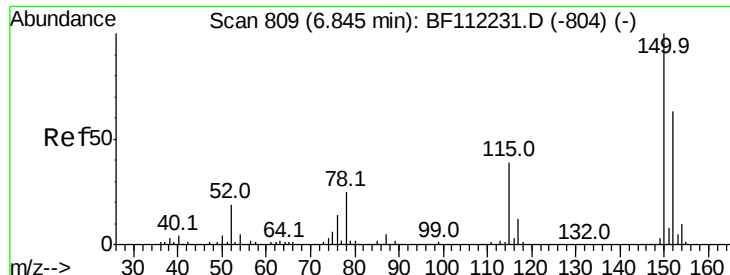
Instrument :
BNA_F
ClientSampled :
OR-01-021319-B

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Quant Time: Feb 15 06:27:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

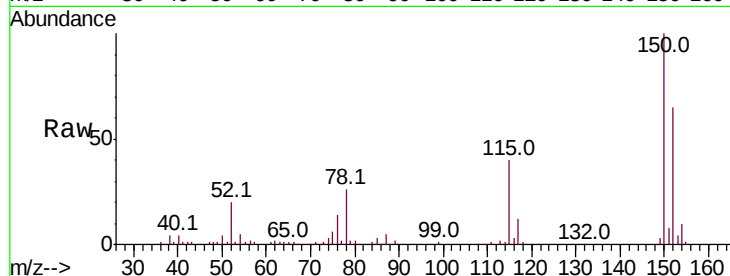
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	127.4	191.0
115	60.9	45.5	68.3

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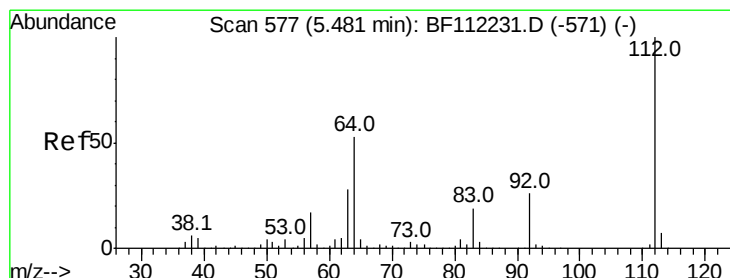
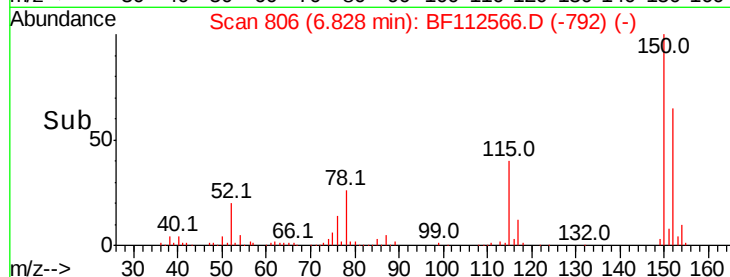
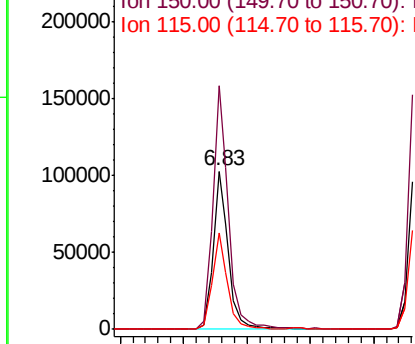


Abundance

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: 56.474 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

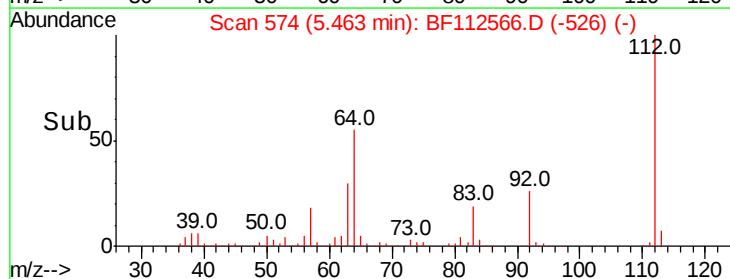
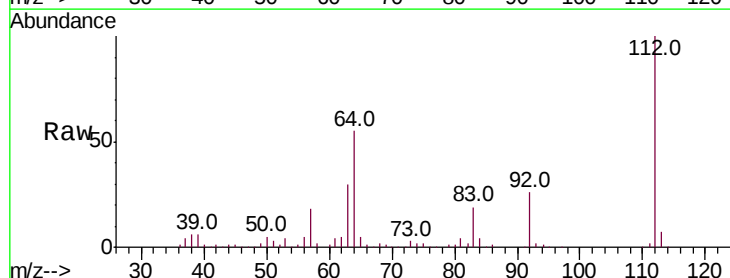
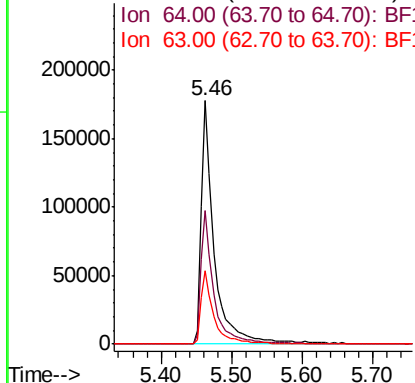
Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.7	68.5
63	30.4	23.6	35.4

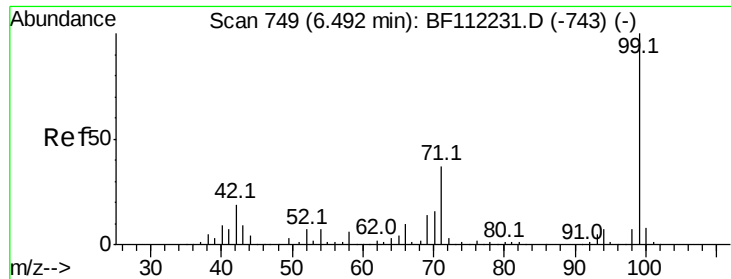
Abundance

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: 50.961 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Instrument :

BNA_F

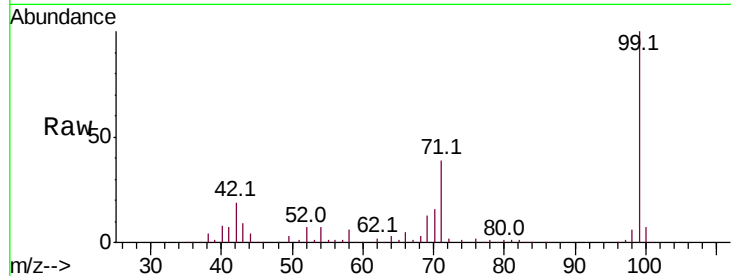
ClientSampleId :

OR-01-021319-B

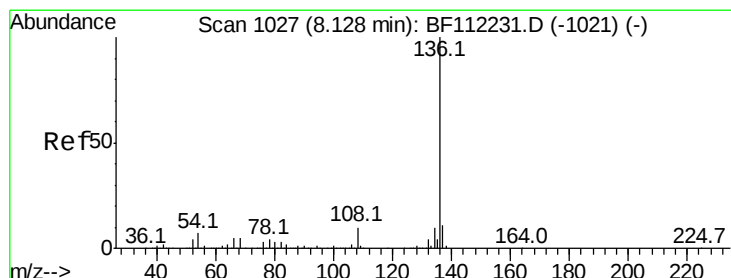
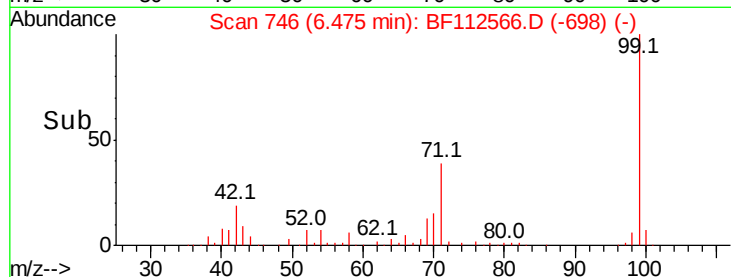
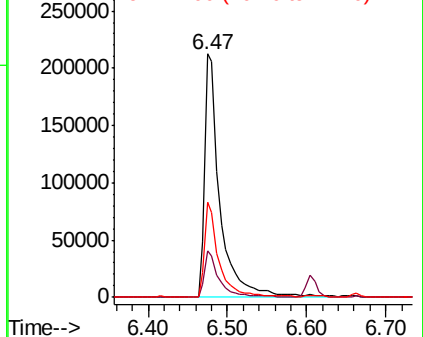
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		290515		
42	19.2	15.1	22.7		
71	39.2	26.9	40.3		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

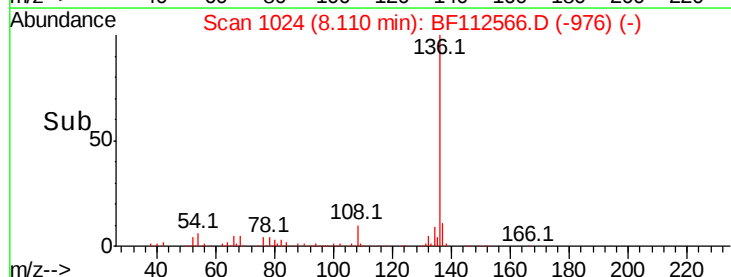
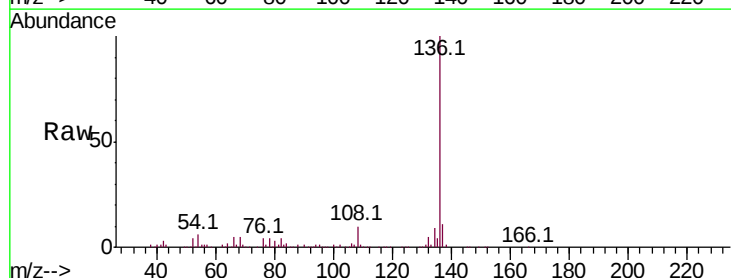
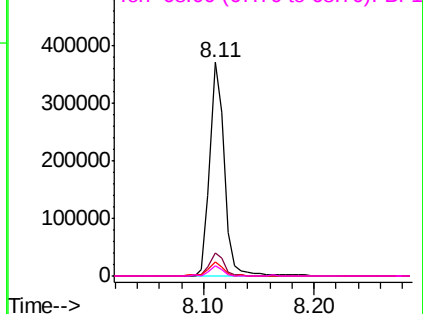
Delta R.T. -0.02 min

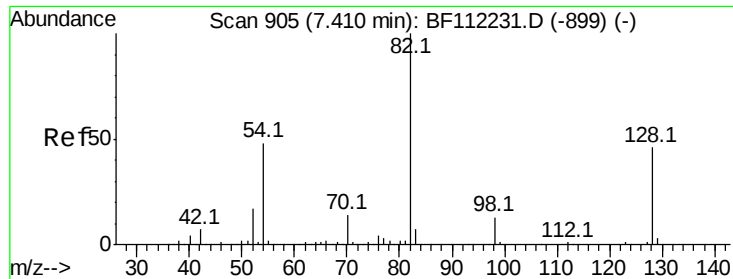
Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		330833		
137	11.1	9.1	13.7		
54	6.5	5.9	8.9		
68	4.6	5.1	7.7#		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





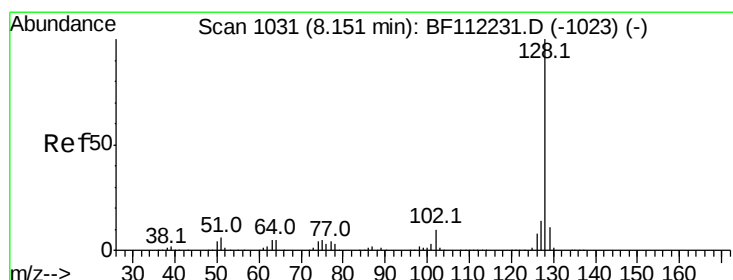
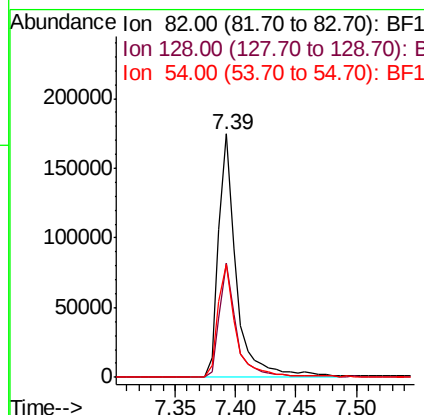
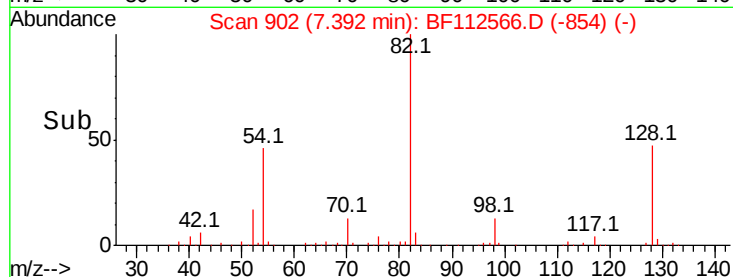
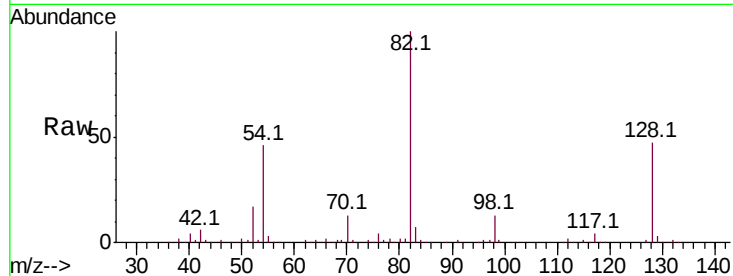
#23
Nitrobenzene-d5
Concen: 30.900 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.8	56.8
54	46.4	39.7	59.5

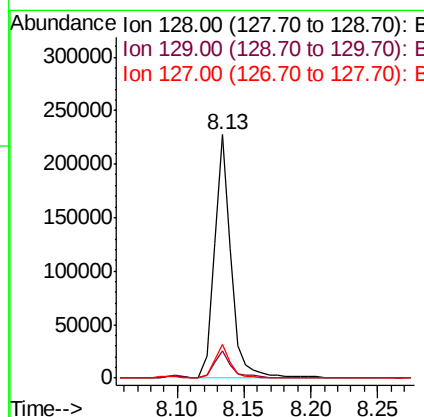
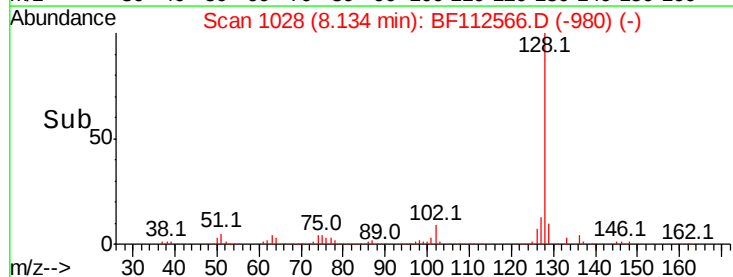
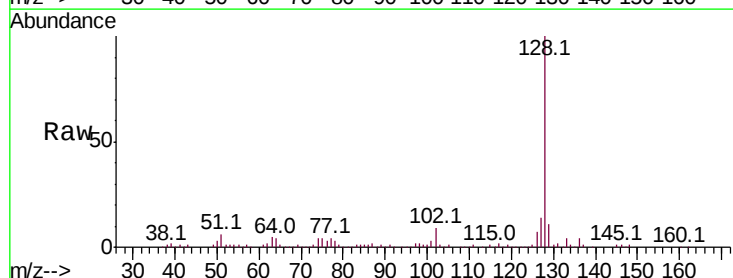
Manual Integrations
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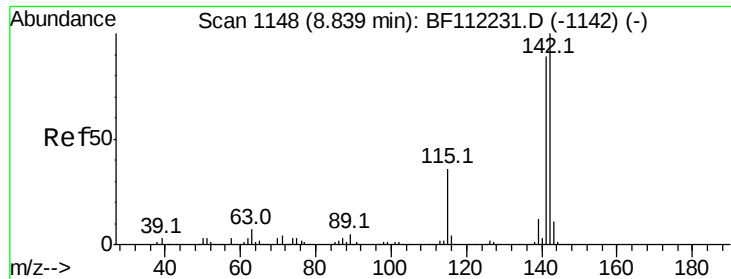
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#31
Naphthalene
Concen: 12.912 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.7	11.1	16.7





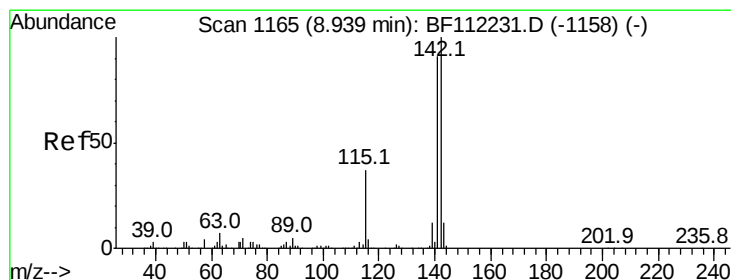
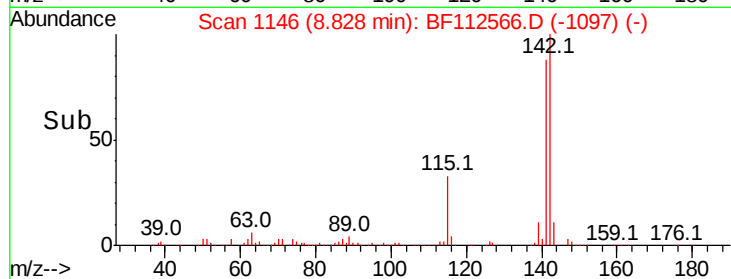
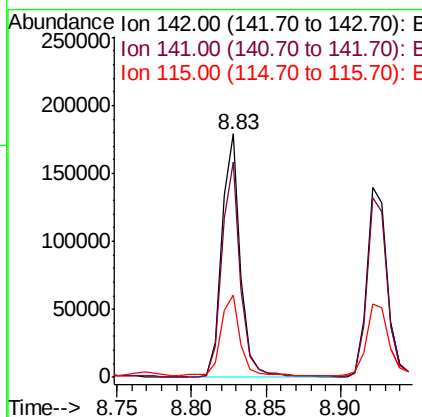
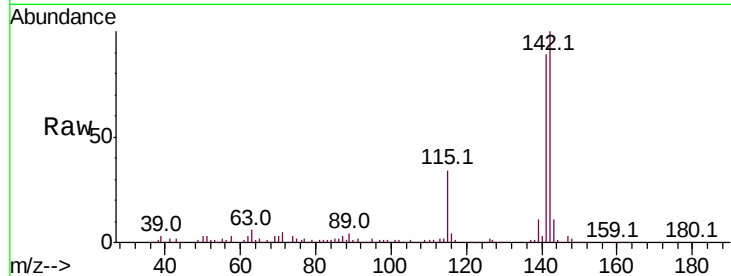
#37
 2-Methylnaphthalene
 Concen: 14.952 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF112566.D
 Acq: 14 Feb 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-021319-B

Tot Ion	Ratio	Resp	Lower	Upper
142	100	158358		
141	88.6	70.9	106.3	
115	34.0	24.9	37.3	

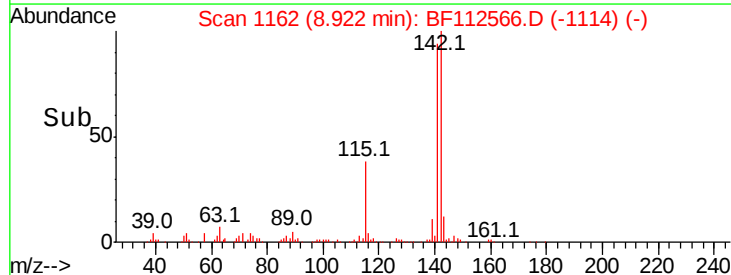
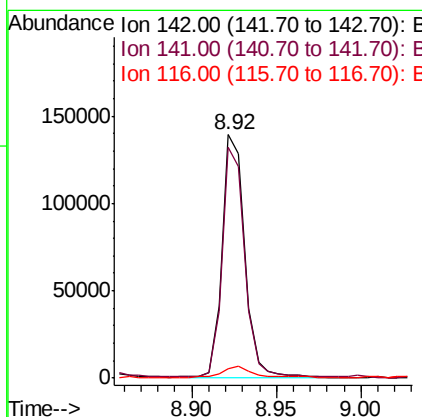
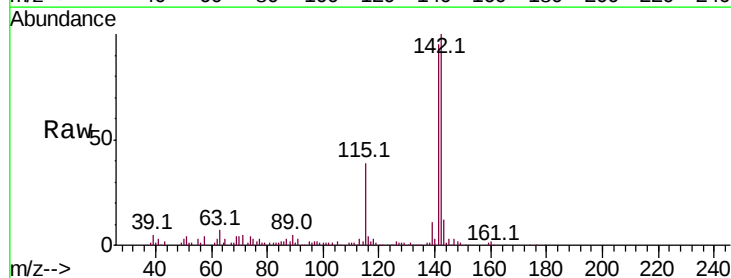
Manual Integrations
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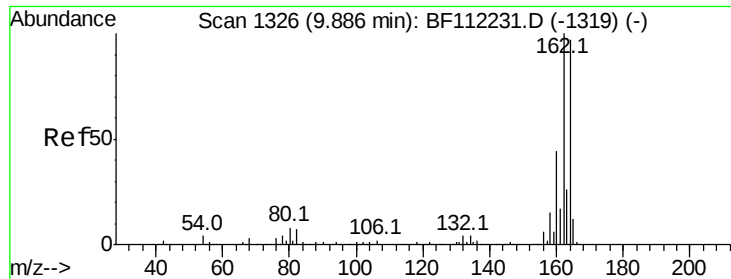
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#38
 1-Methylnaphthalene
 Concen: 12.826 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.02 min
 Lab File: BF112566.D
 Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	130205		
141	94.8	72.6	108.8	
116	4.0	2.8	4.2	





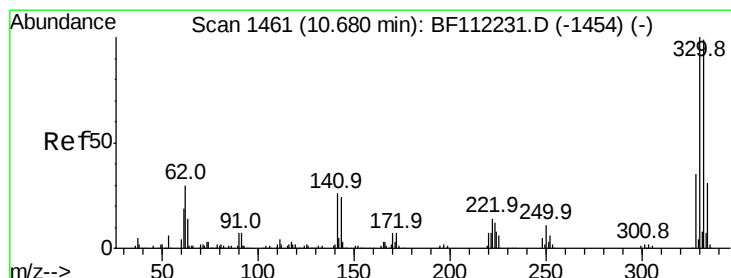
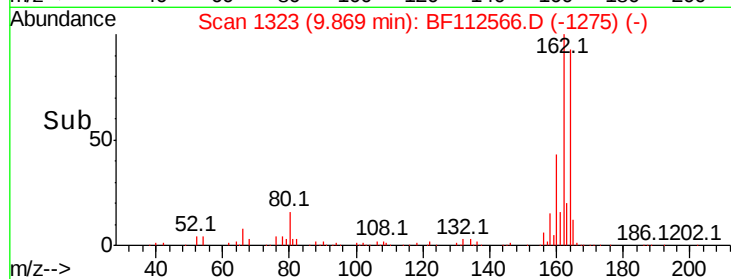
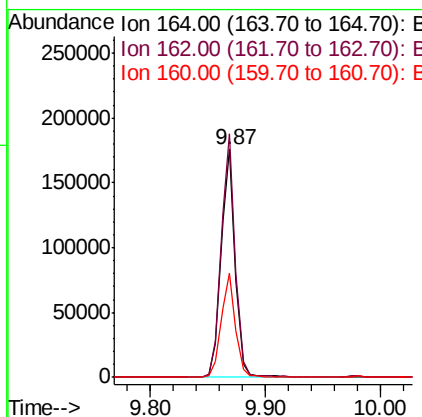
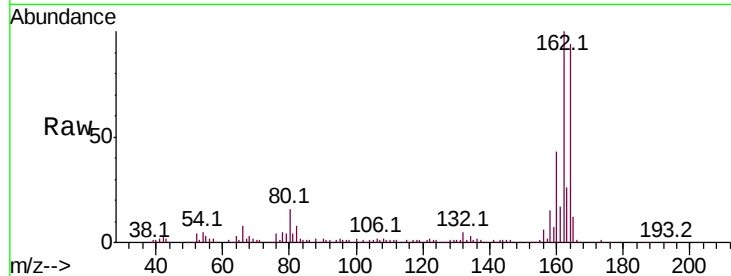
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.8	82.2	123.4	
160	45.8	36.2	54.4	

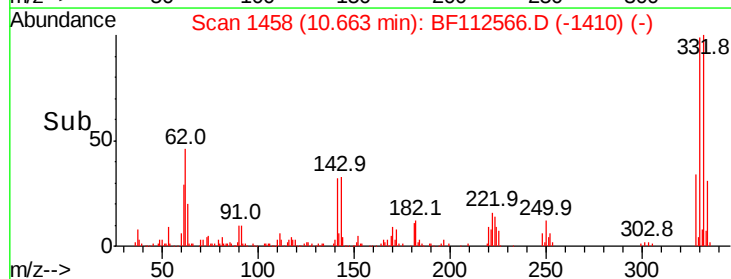
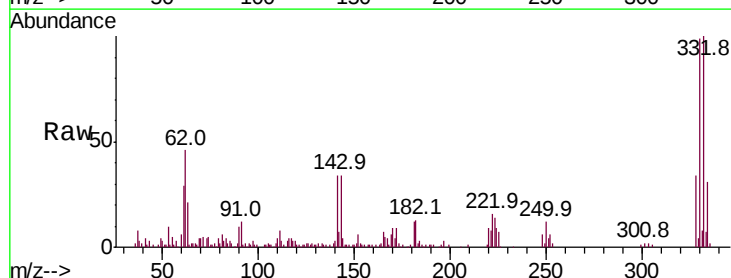
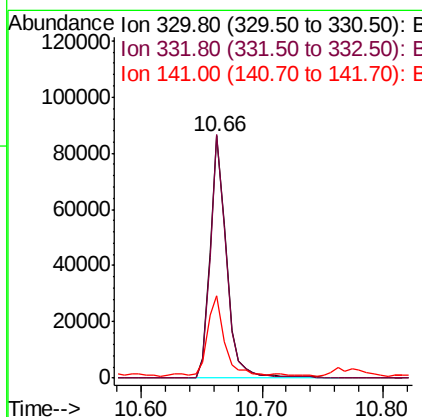
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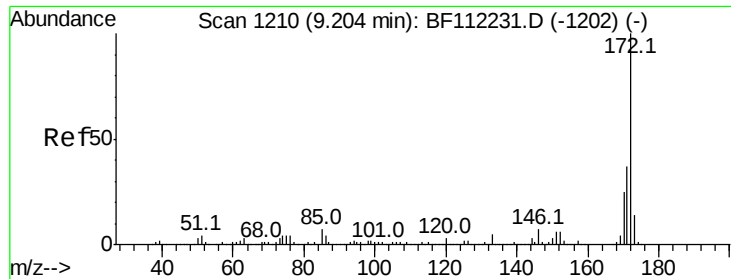
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#42
2,4,6-Tribromophenol
Concen: 46.398 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	76.6	114.8	
141	35.2	24.3	36.5	





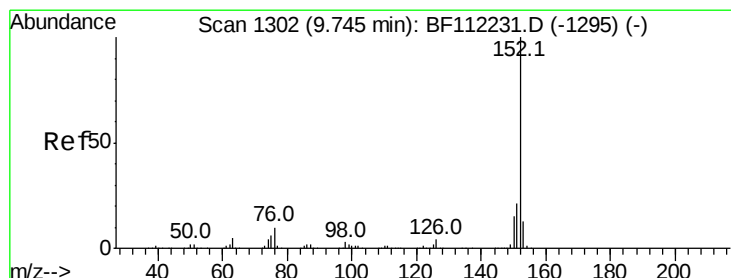
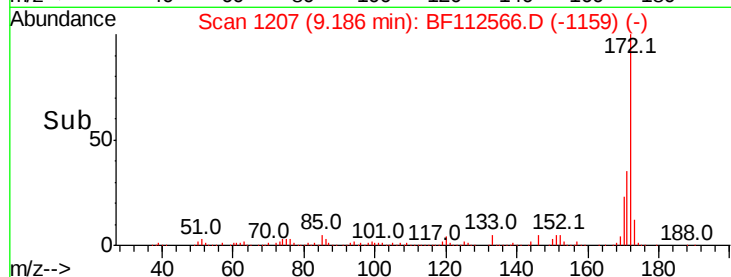
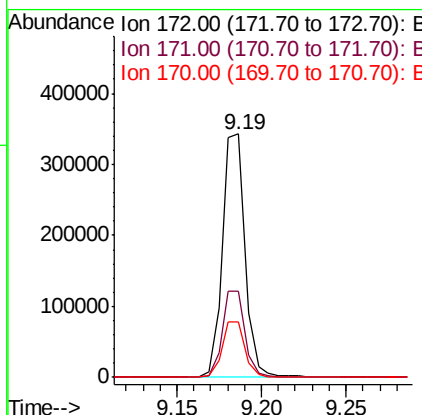
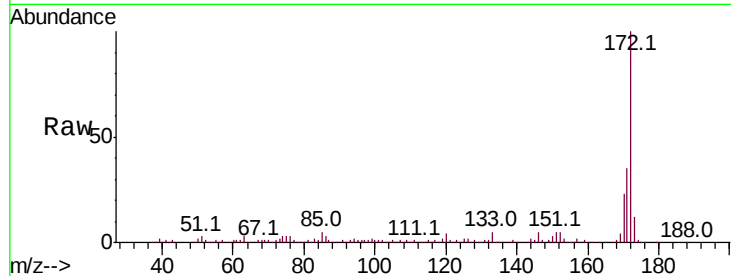
#45
2-Fluorobiphenyl
Concen: 30.519 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	30.5	45.7	
170	22.6	20.2	30.4	

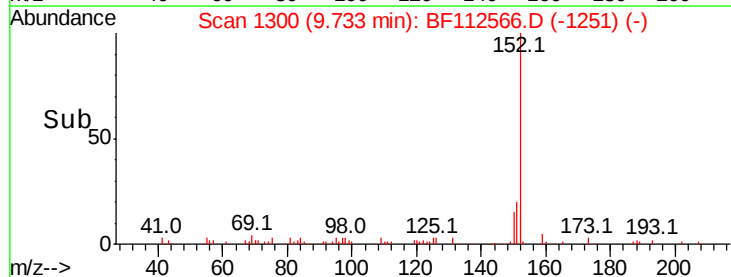
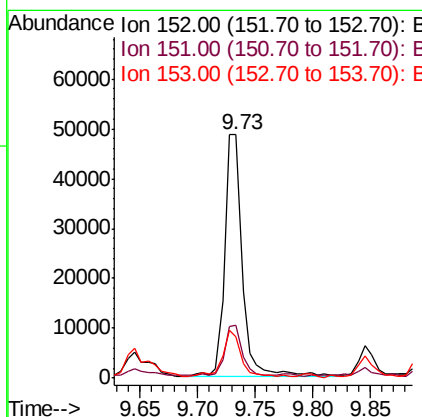
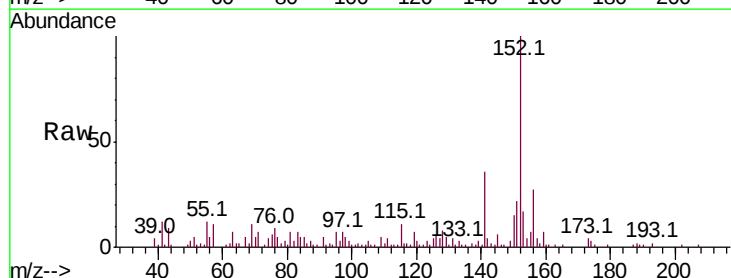
Manual Integrations
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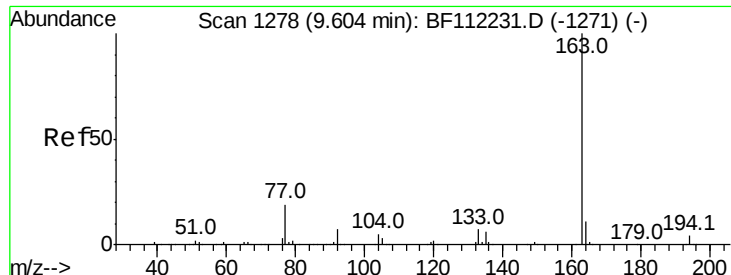
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#49
Acenaphthylene
Concen: 3.530 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.7	17.0	25.6	
153	16.8	11.2	16.8	





#50

Dimethylphthalate

Concen: 2.341 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Instrument :

BNA_F

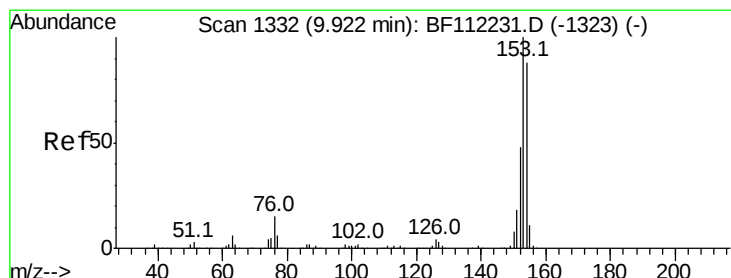
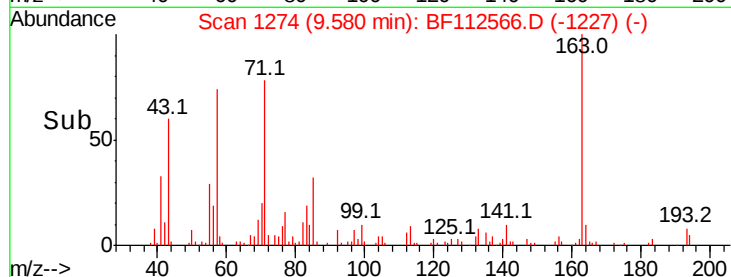
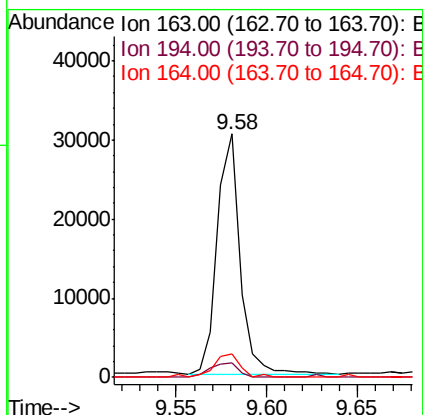
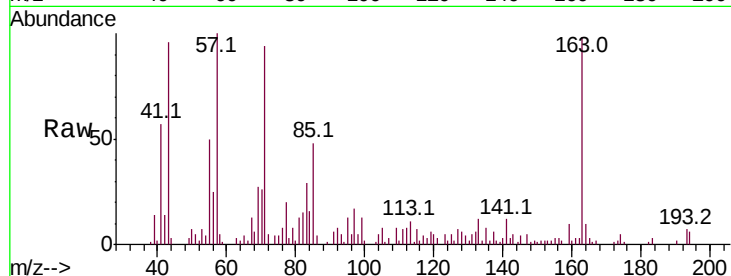
ClientSampleId :

OR-01-021319-B

Tot Ion:	163	Resp:	26988
Ion Ratio	Lower	Upper	
163	100		
194	6.1	3.3	4.9#
164	9.7	8.5	12.7

Manual Integrations
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2/15/2019 4:53:06 PM



#52

Acenaphthene

Concen: 5.375 ng

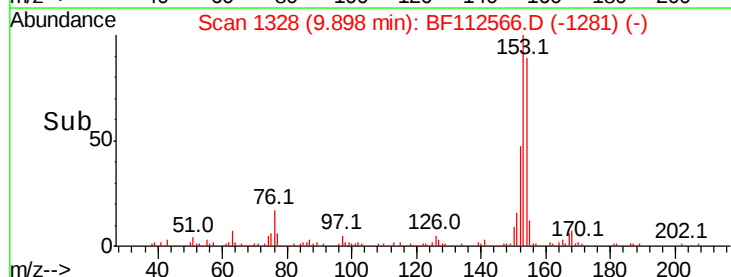
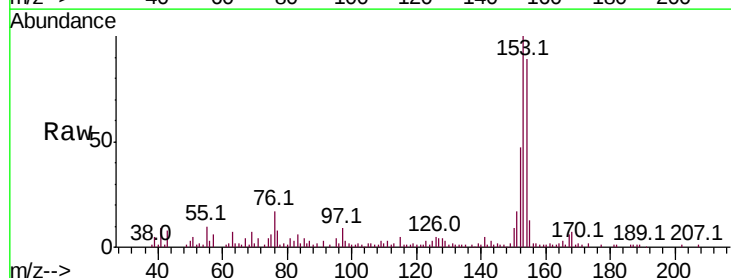
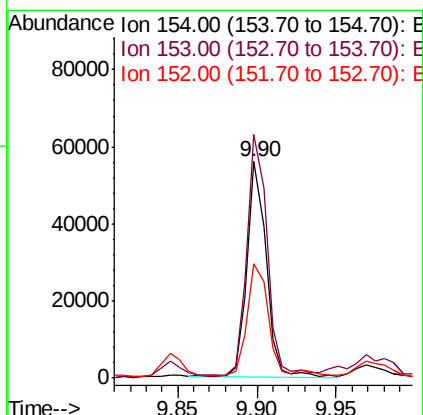
RT: 9.90 min Scan# 1328

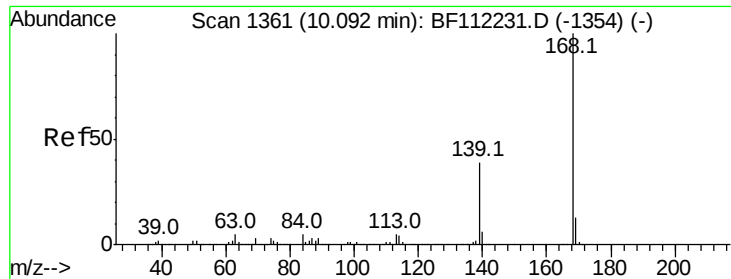
Delta R.T. -0.02 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Tgt Ion:	154	Resp:	47339
Ion Ratio	Lower	Upper	
154	100		
153	112.6	89.8	134.6
152	53.1	43.5	65.3





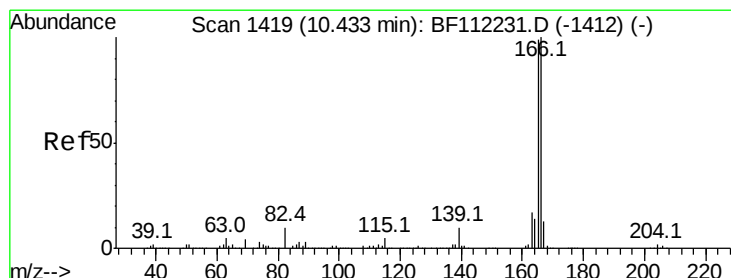
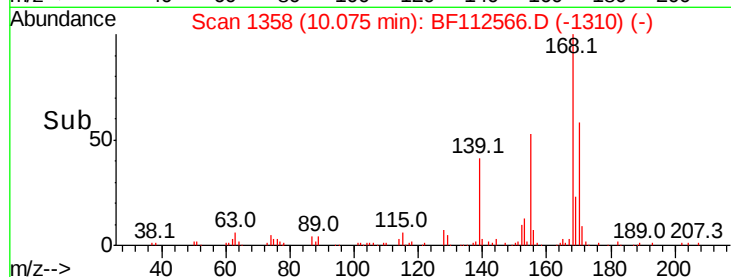
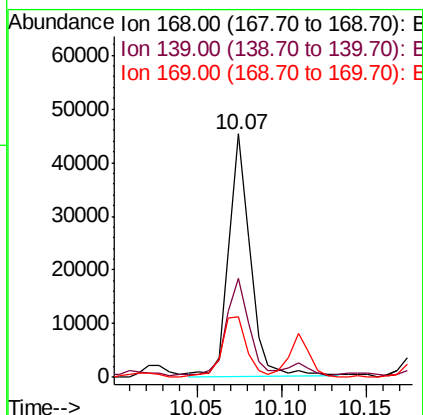
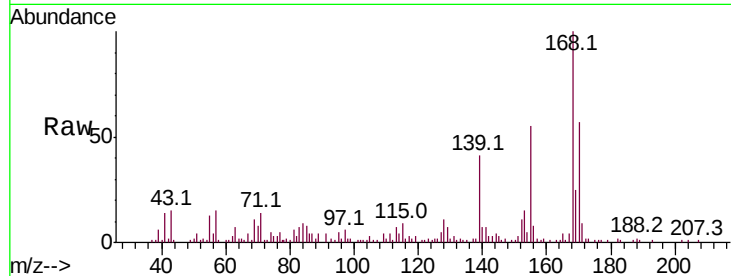
#55
Dibenzofuran
Concen: 2.929 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.8	29.2	43.8
169	24.9	11.4	17.0

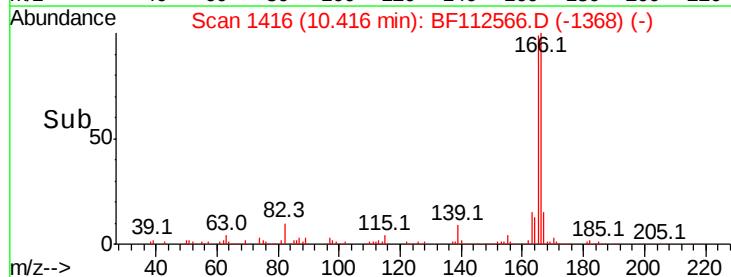
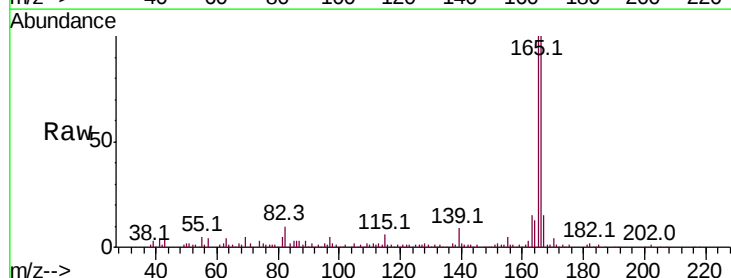
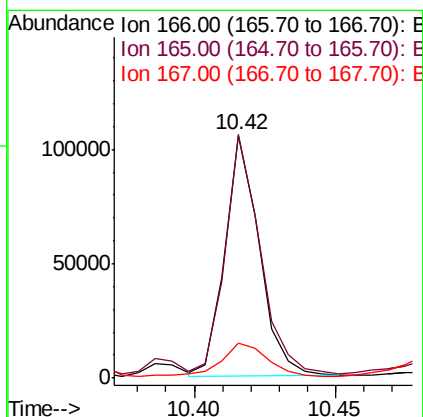
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APPROVED

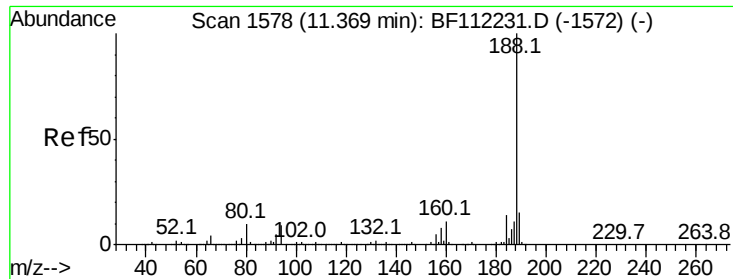
Sohil
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#58
Fluorene
Concen: 8.849 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.1	115.7
167	14.6	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Instrument :

BNA_F

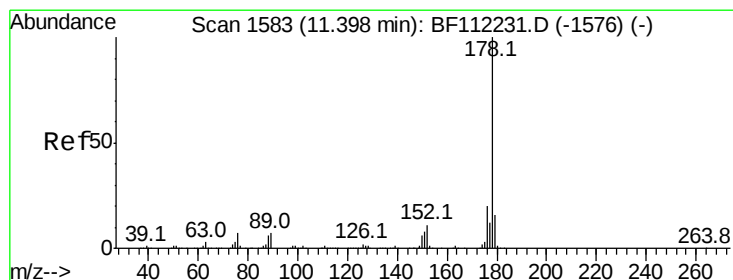
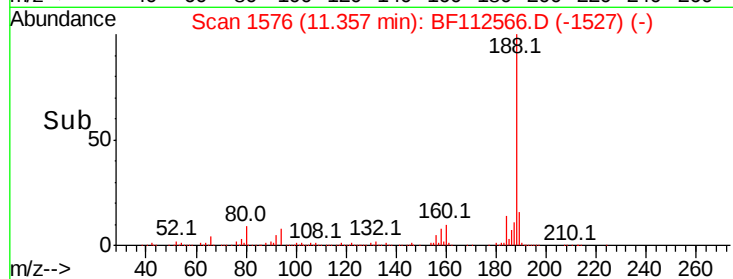
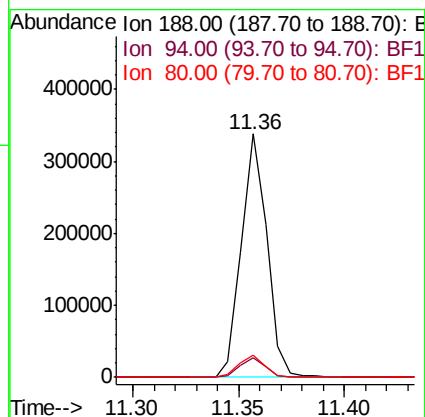
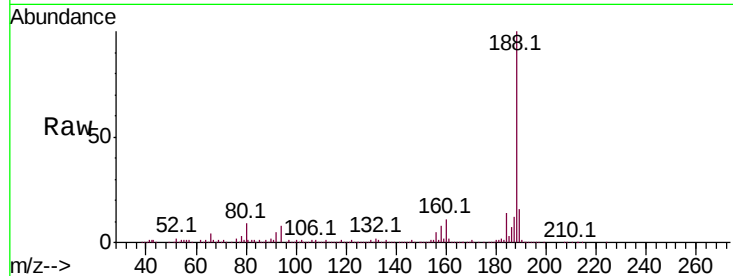
ClientSampleId :

OR-01-021319-B

Tot Ion:	188	Resp:	282881
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.2	12.2#
80	9.2	8.9	13.3

Manual Integrations
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2/15/2019 4:53:06 PM



#71

Phenanthrene

Concen: 33.887 ng

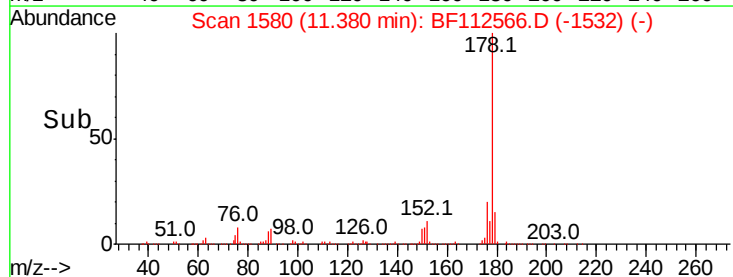
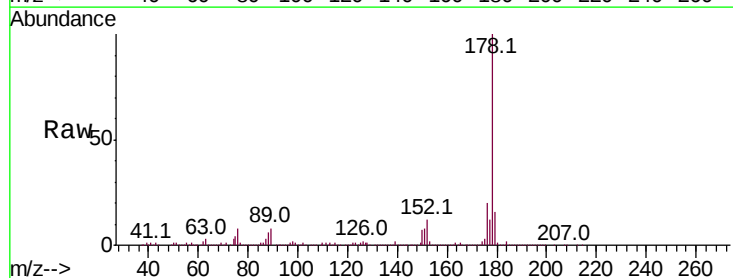
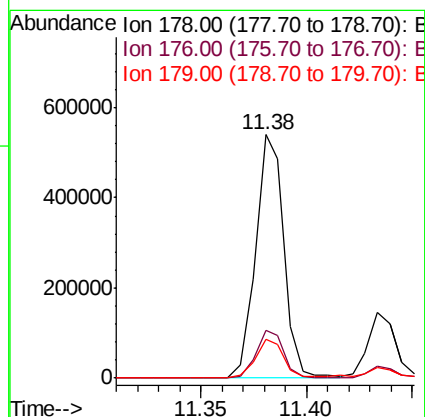
RT: 11.38 min Scan# 1580

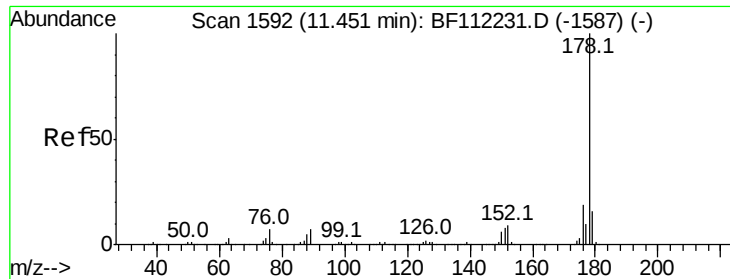
Delta R.T. -0.02 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Tgt Ion:	178	Resp:	498361
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.3	24.5
179	15.7	13.0	19.4





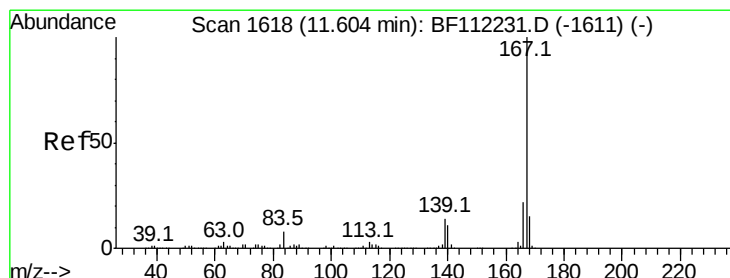
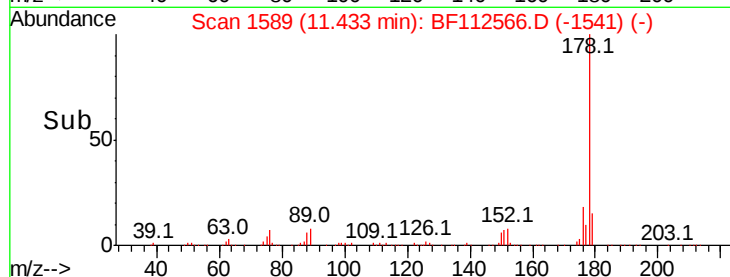
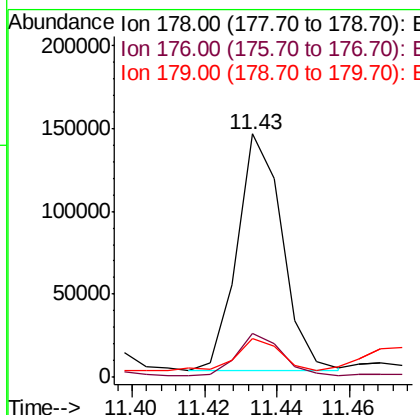
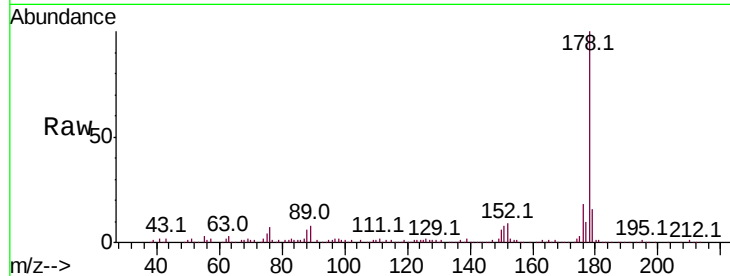
#72
 Anthracene
 Concen: 8.440 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF112566.D
 Acq: 14 Feb 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	15.7	12.8	19.2

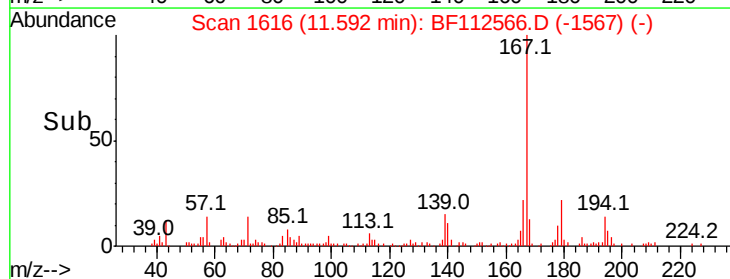
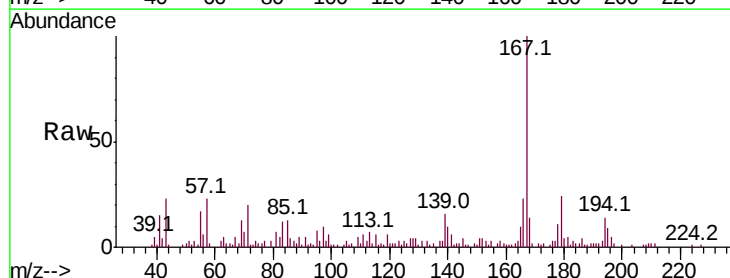
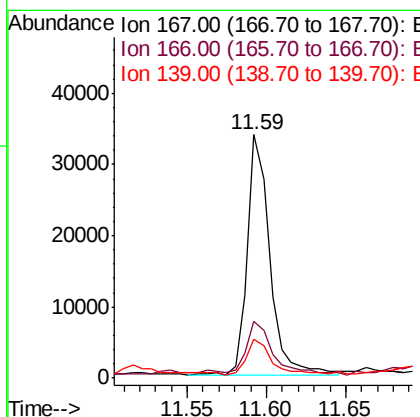
Manual Integrations
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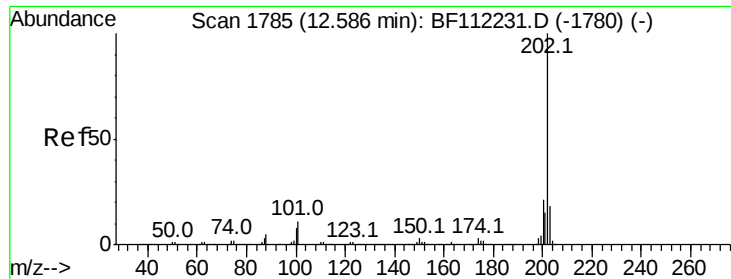
Sohil
 2/15/2019 4:53:06 PM



#73
 Carbazole
 Concen: 2.298 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112566.D
 Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.9	26.9
139	16.0	10.2	15.2#





#75

Fluoranthene

Concen: 31.976 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Instrument :

BNA_F

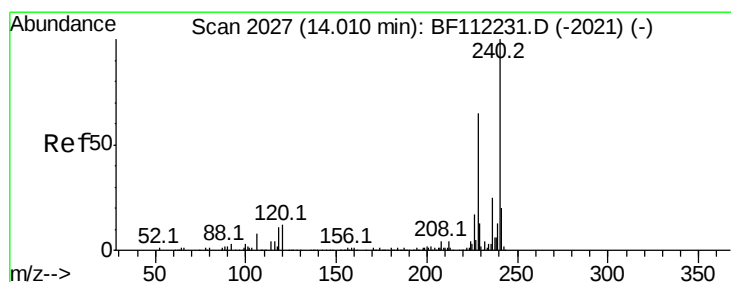
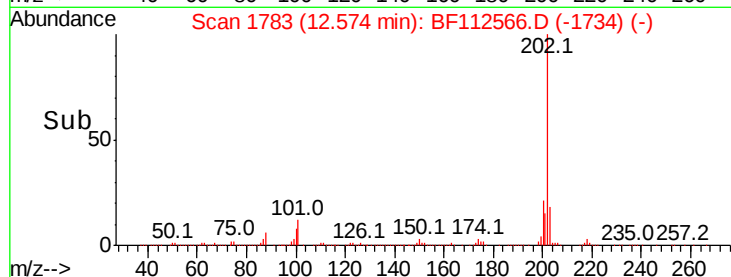
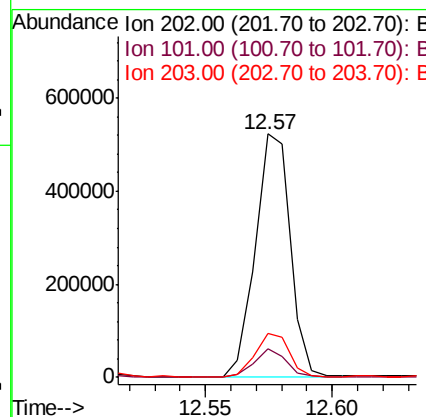
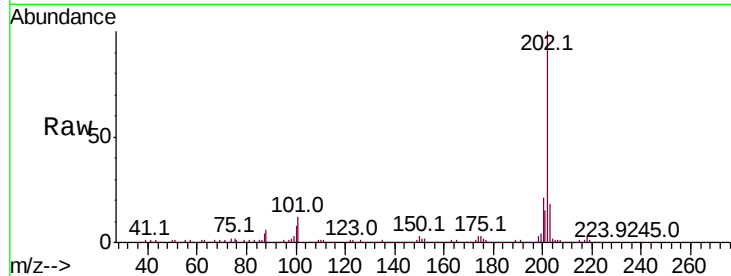
ClientSampled :

OR-01-021319-B

Tot Ion:	202	Resp:	504375
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.8
203	17.9	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

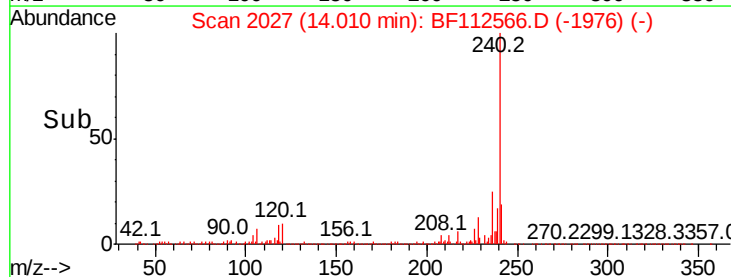
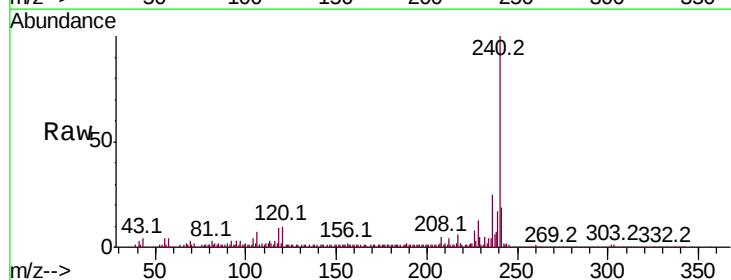
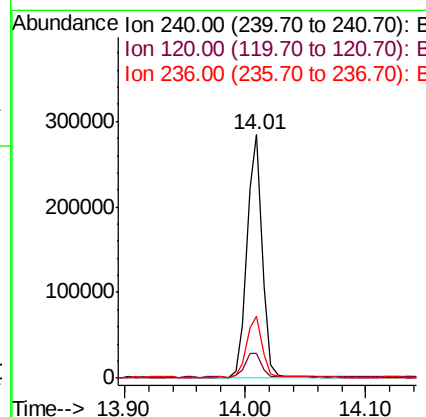
RT: 14.01 min Scan# 2027

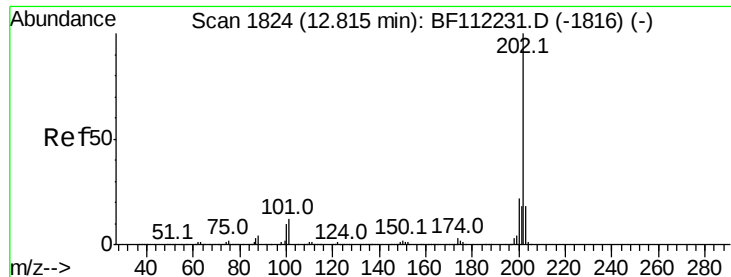
Delta R.T. 0.00 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Tgt Ion:	240	Resp:	248376
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.0	13.6
236	25.3	20.7	31.1





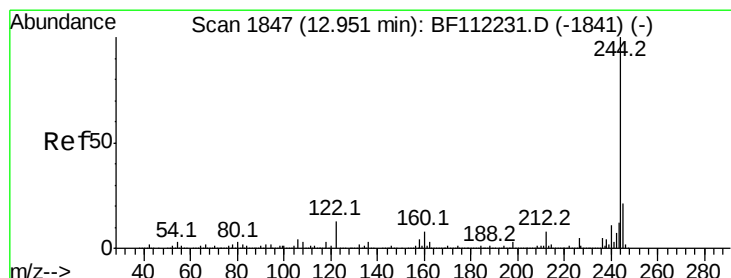
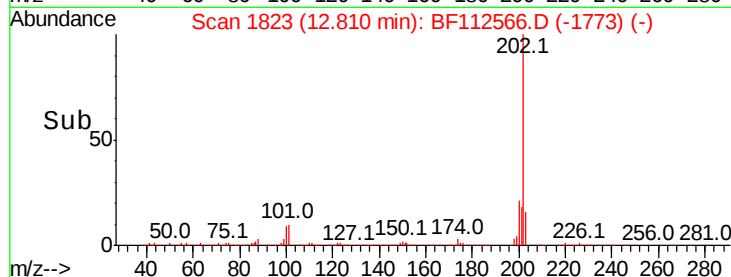
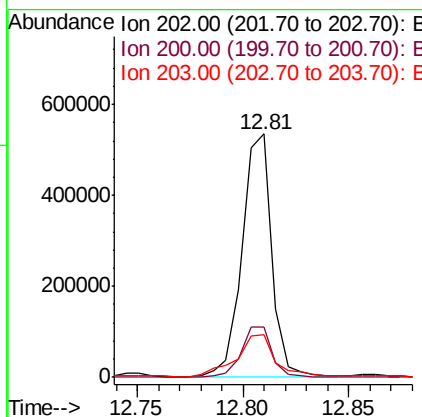
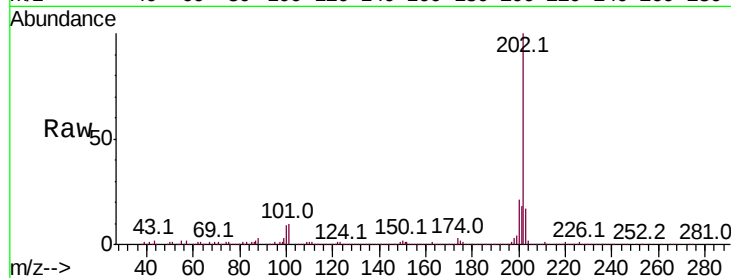
#78
Pvrene
Concen: 30.144 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.4	14.6	22.0

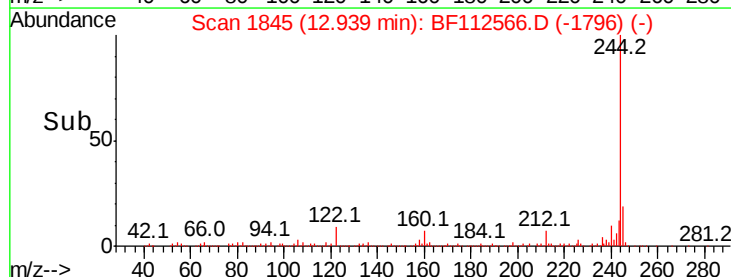
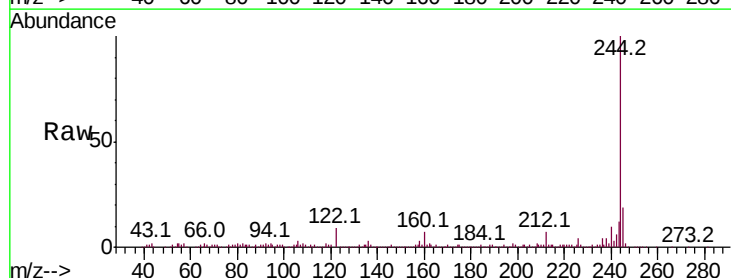
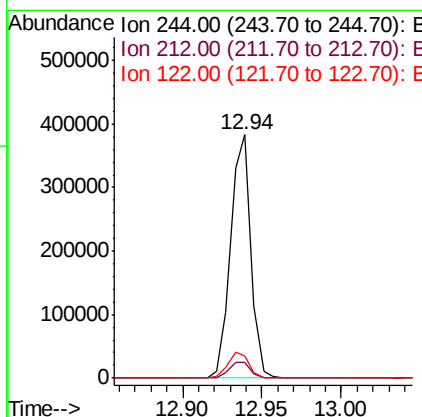
Manual Integrations
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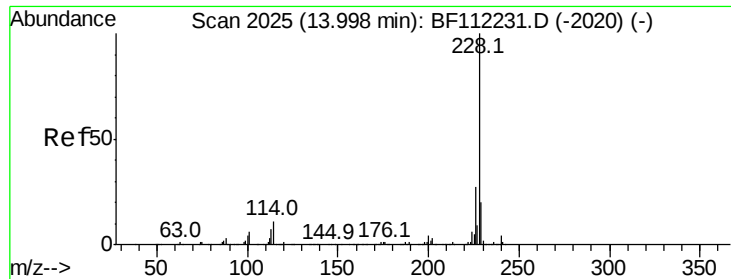
Sohil
2/15/2019 4:53:06 PM



#79
Terphenyl-d14
Concen: 25.753 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.9	8.9
122	9.1	9.8	14.6#





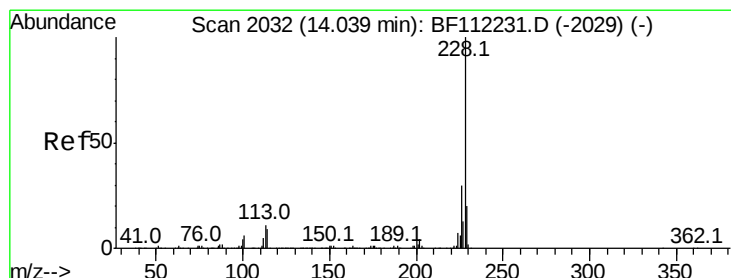
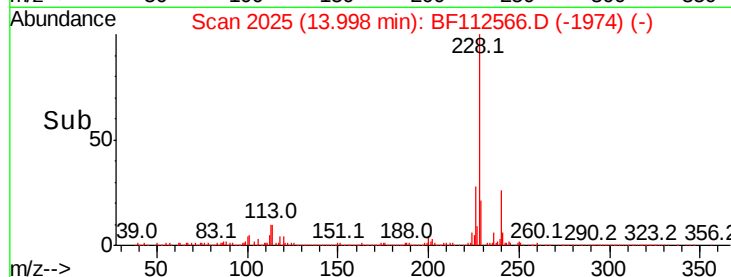
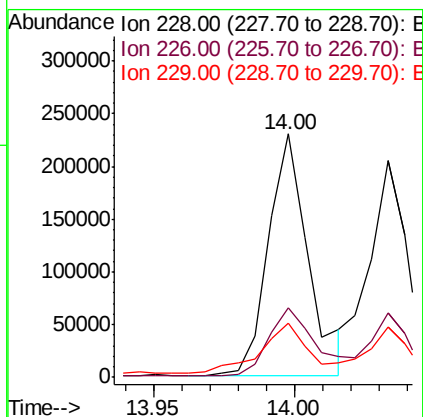
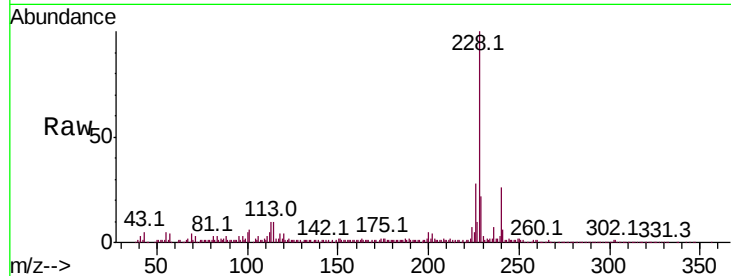
#81
Benzo(a)anthracene
Concen: 15.323 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	22.1	16.5	24.7

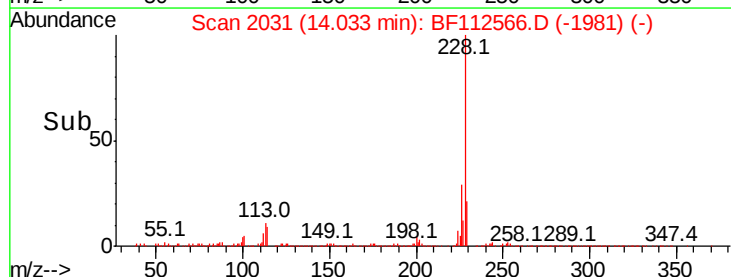
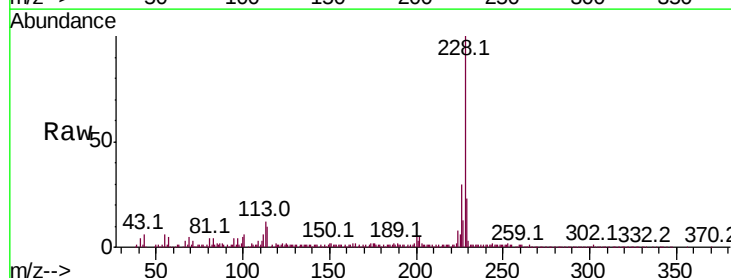
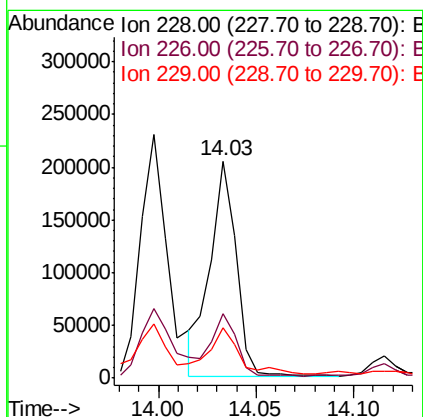
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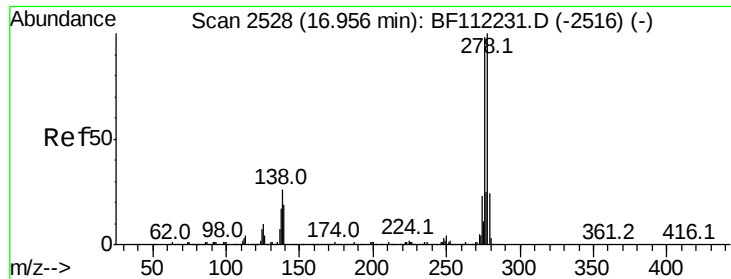
Sohil
2/15/2019 4:53:06 PM



#83
Chrysene
Concen: 13.673 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	23.1	16.6	24.8





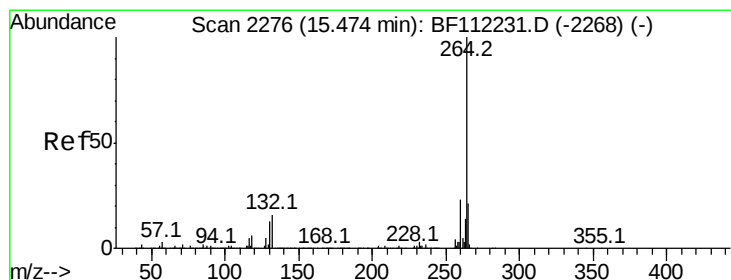
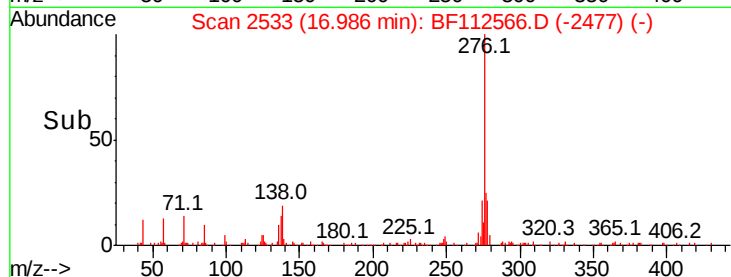
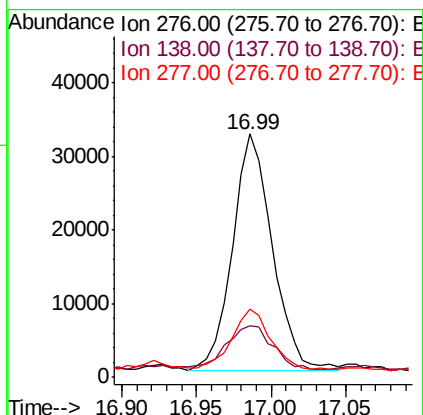
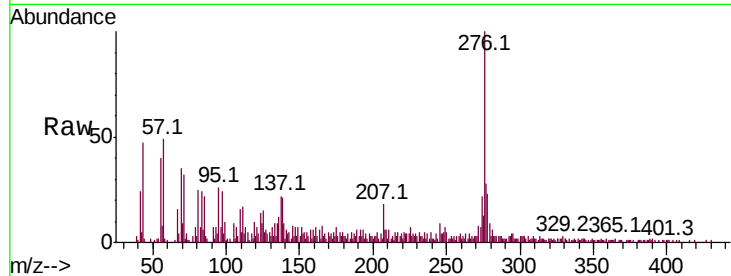
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.381 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.03 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	22.6	34.0#
277	24.5	20.3	30.5

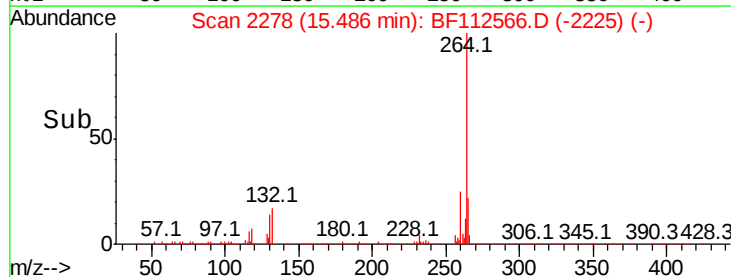
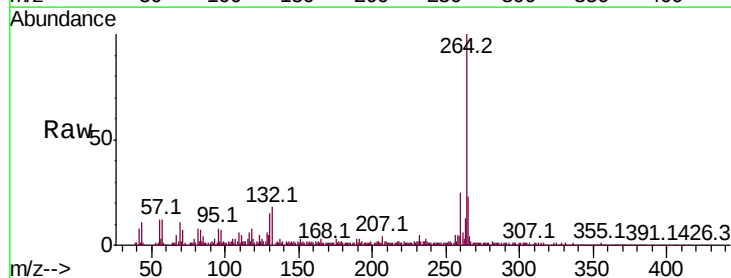
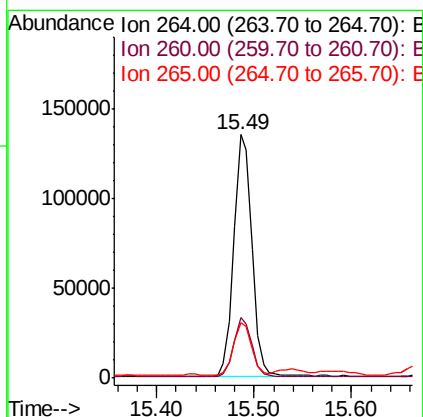
Manual Integrations
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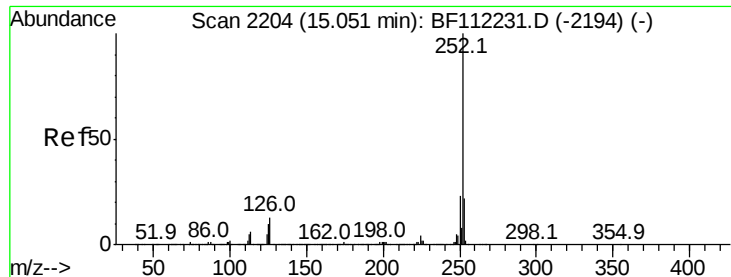
Sohil
2/15/2019 4:53:06 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.2
265	22.9	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 16.207 ng m

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Instrument :

BNA_F

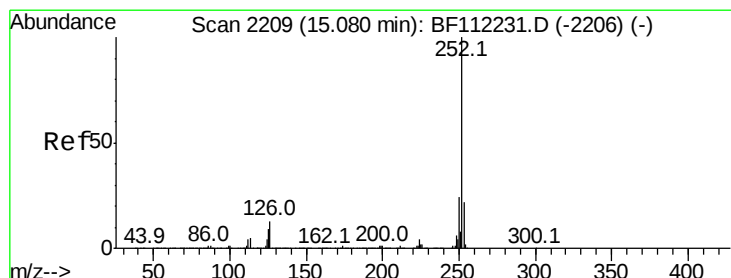
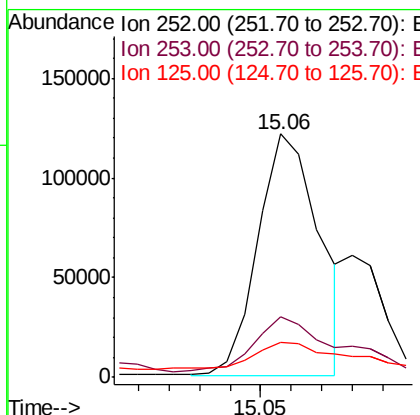
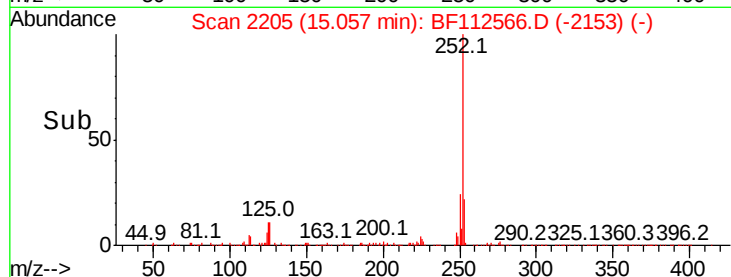
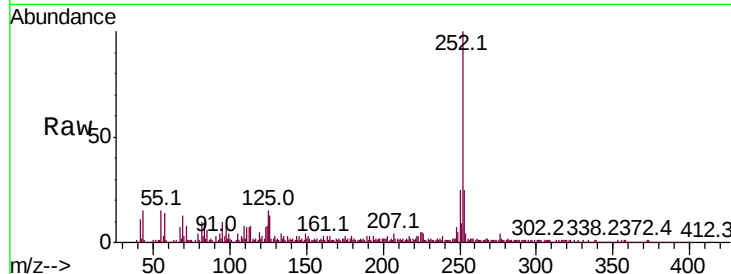
ClientSampleId :

OR-01-021319-B

Tot Ion:	252	Resp:	170812
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.0	27.0
125	14.6	8.7	13.1#

Manual Integrations
APPROVED

Sohil
2/15/2019 4:53:06 PM



#89

Benzo(k)fluoranthene

Concen: 5.552 ng m

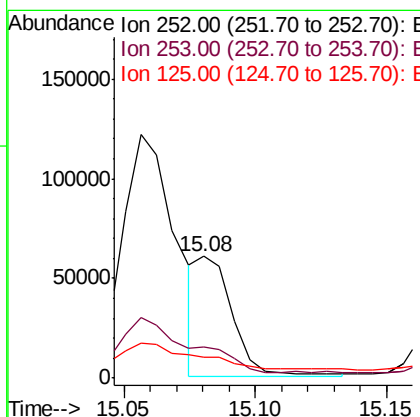
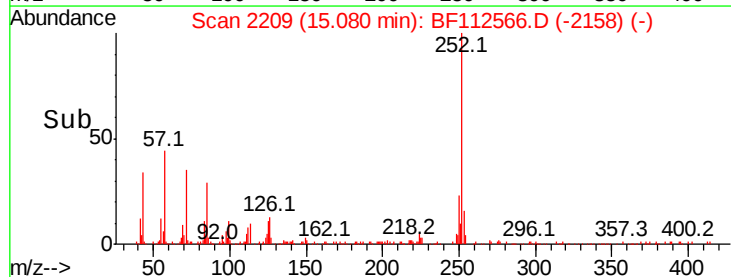
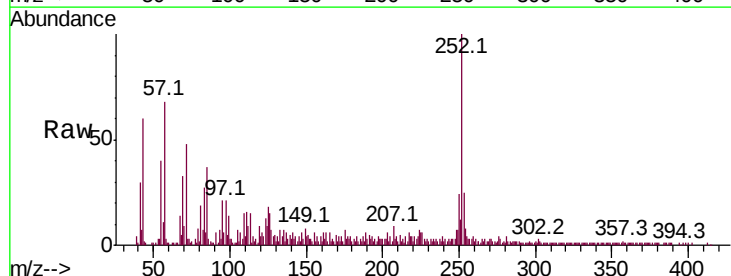
RT: 15.08 min Scan# 2209

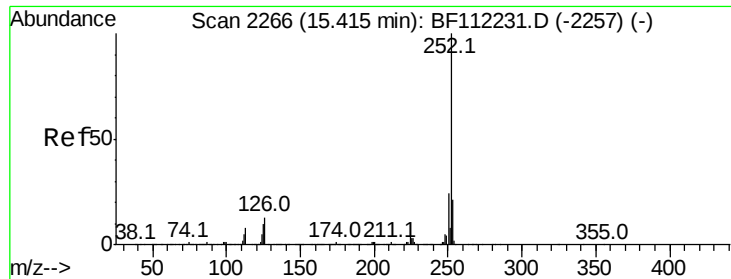
Delta R.T. 0.00 min

Lab File: BF112566.D

Acq: 14 Feb 2019 14:31

Tgt Ion:	252	Resp:	56055
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.0	27.0
125	17.6	9.1	13.7#





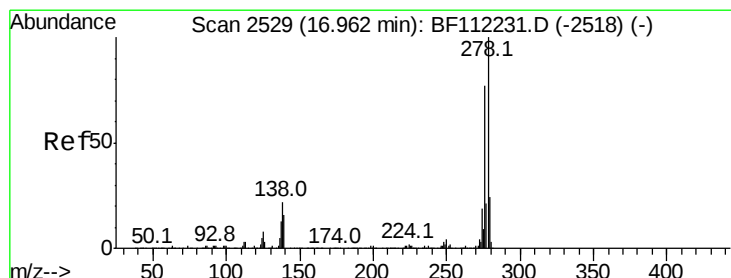
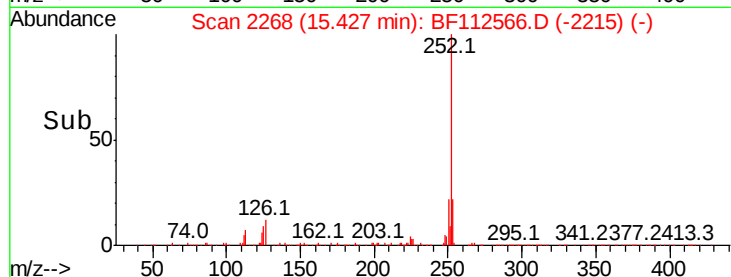
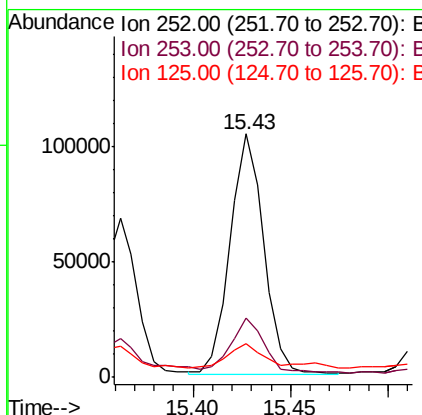
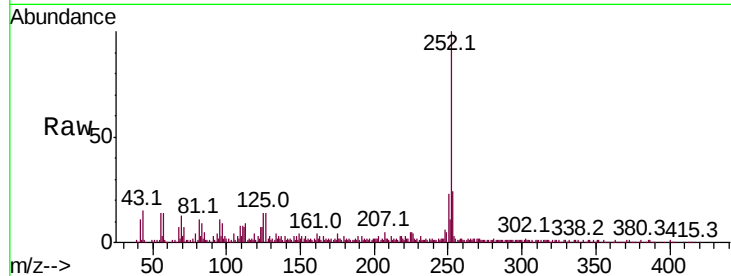
#90
Benzo(a)pyrene
Concen: 13.157 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	13.7	9.0	13.4

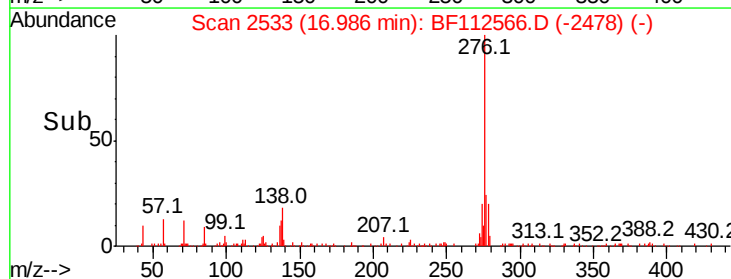
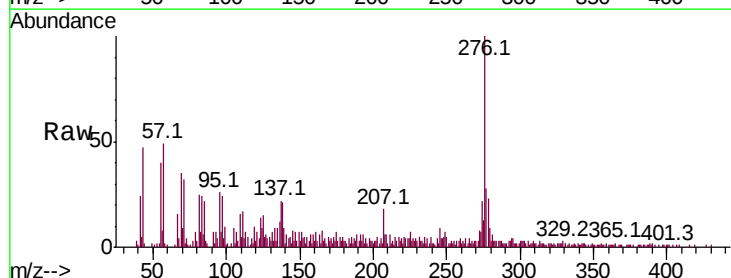
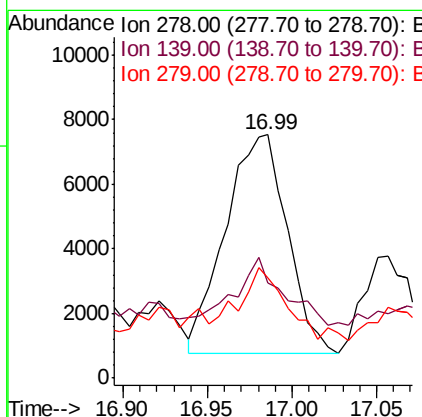
Manual Integrations
APPROVED

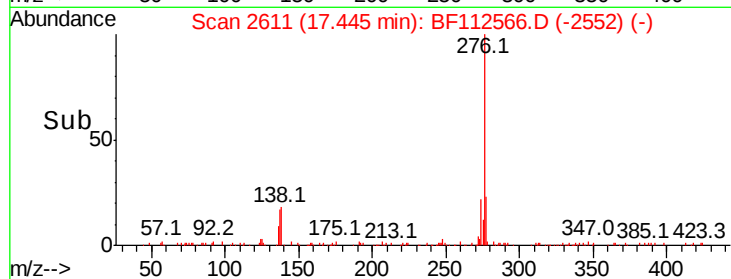
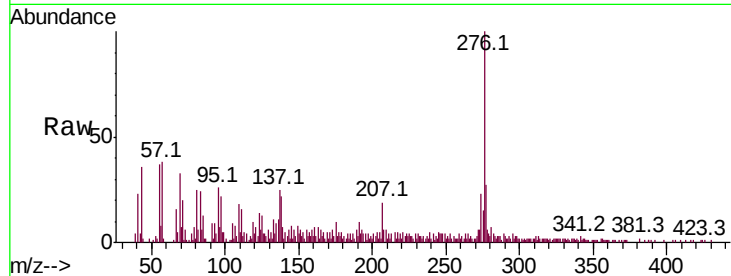
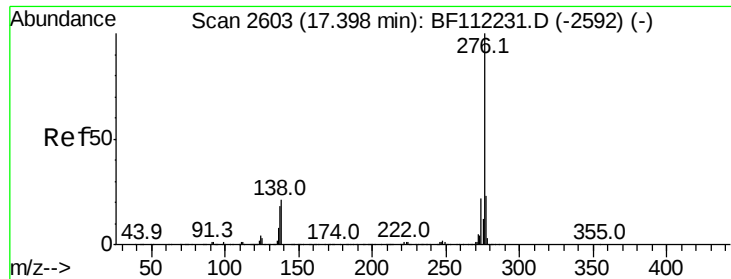
Sohil
2/15/2019 4:53:06 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.247 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BF112566.D
Acq: 14 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.2	13.7	20.5
279	41.2	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.155 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.05 min
 Lab File: BF112566.D
 Acq: 14 Feb 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-021319-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	26.5	19.4	29.0		
138	22.1	19.1	28.7		

Manual Integrations
 APPROVED

Sohil
 2/15/2019 4:53:06 PM

