

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114038.D
 Acq On : 30 Apr 2019 13:32
 Operator : JU/SJ
 Sample : K2199-19 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-B

Manual Integrations
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Sohil
 5/1/2019 11:58:31 AM

Quant Time: May 01 04:34:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	131271	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	486309	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	260063	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	471919	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	341124	20.00	ng	-0.02
87) Perylene-d12	15.56	264	409487	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	334750	43.62	ng	0.00
7) Phenol-d6	6.51	99	453863	47.13	ng	-0.01
23) Nitrobenzene-d5	7.44	82	264592	33.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	129529	40.89	ng	-0.02
45) 2-Fluorobiphenyl	9.24	172	562429	33.82	ng	-0.02
79) Terphenyl-d14	12.99	244	527914	31.73	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.19	128	57928	2.507	ng	99
37) 2-Methylnaphthalene	8.88	142	33563	2.154	ng	98
38) 1-Methylnaphthalene	8.98	142	31956	2.125	ng	99
49) Acenaphthylene	9.78	152	66352	2.623	ng	97
50) Dimethylphthalate	9.63	163	83869	4.459	ng	99
52) Acenaphthene	9.95	154	75441	5.047	ng	94
55) Dibenzofuran	10.13	168	76877	3.433	ng	95
58) Fluorene	10.47	166	135005	8.009	ng	100
71) Phenanthrene	11.43	178	929277	39.183	ng	99
72) Anthracene	11.48	178	290662	12.136	ng	98
73) Carbazole	11.63	167	61453	2.876	ng	97
75) Fluoranthene	12.62	202	1236195	47.775	ng	98
78) Pvrene	12.85	202	1123078	47.079	ng	99
81) Benzo(a)anthracene	14.04	228	653953	32.538	ng	96
83) Chrysene	14.08	228	584862	29.880	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	360181	19.426	ng	# 94
88) Benzo(b)fluoranthene	15.13	252	923200m	35.634	ng	
89) Benzo(k)fluoranthene	15.15	252	215671m	9.678	ng	
90) Benzo(a)pvrene	15.50	252	635788	28.372	ng	98
91) Dibenzo(a,h)anthracene	17.05	278	94157m	4.476	ng	
92) Benzo(q,h,i)perylene	17.49	276	316933	14.929	ng	97

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

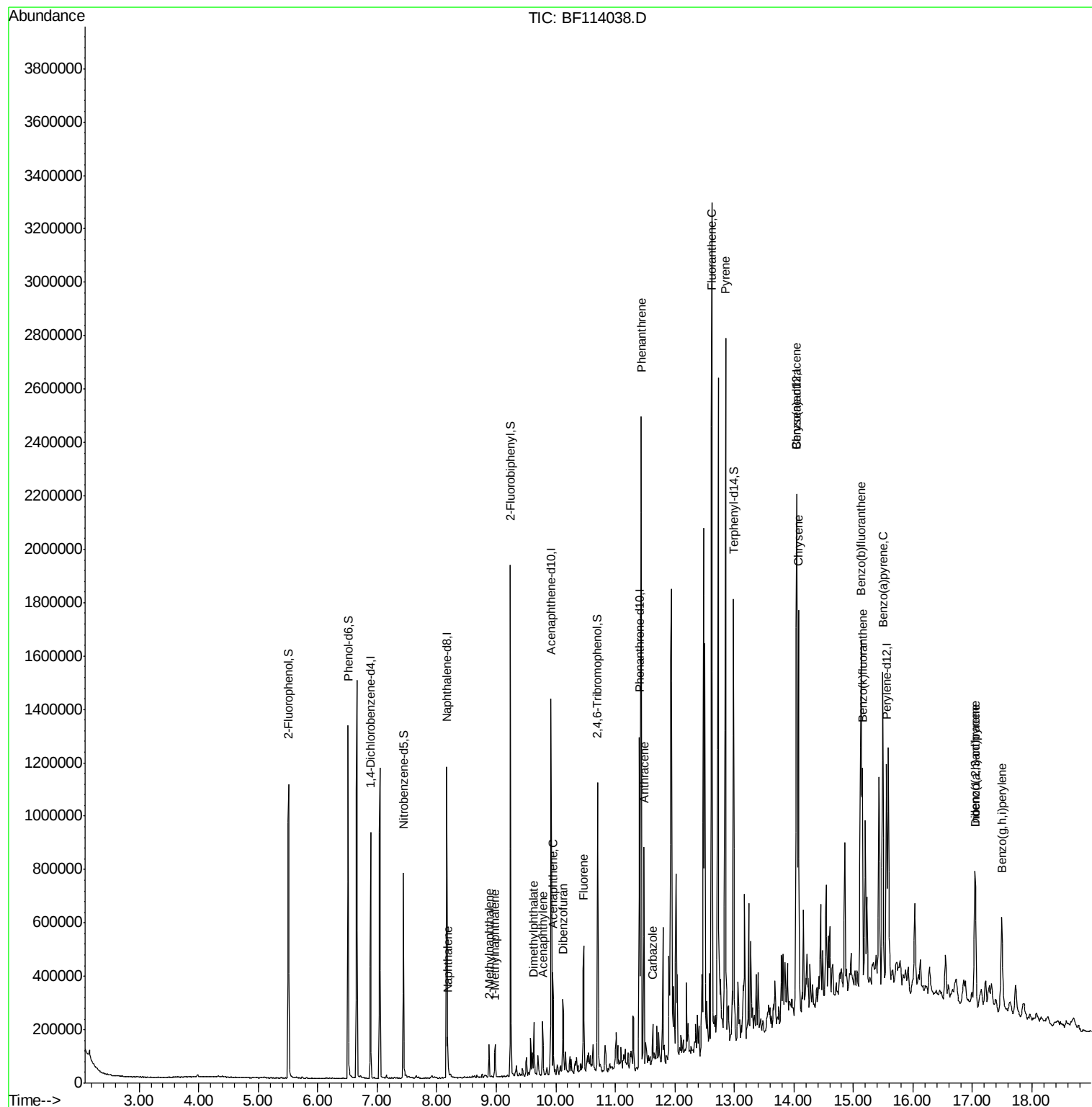
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
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ALS Vial : 3 Sample Multiplier: 1

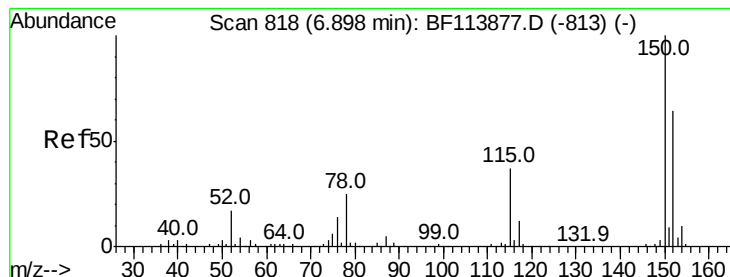
Instrument :
BNA_F
ClientSampled :
OR-02-042919-B

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5/1/2019 11:58:31 AM

Quant Time: May 01 04:34:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

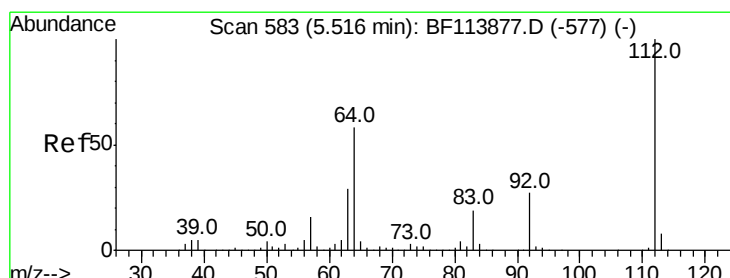
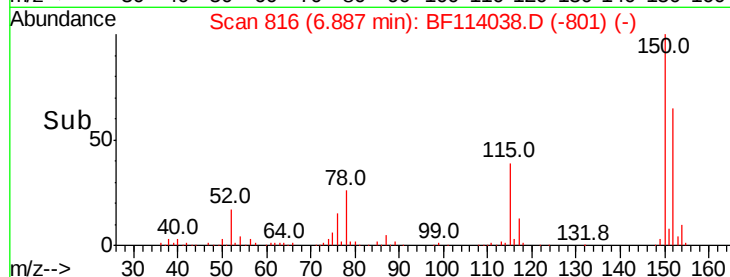
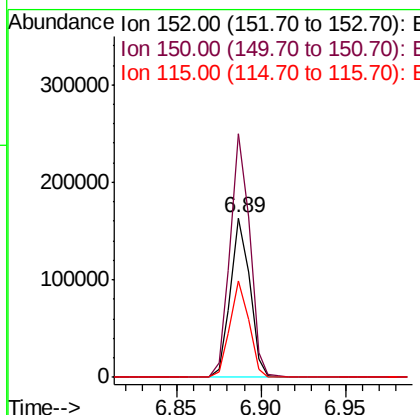
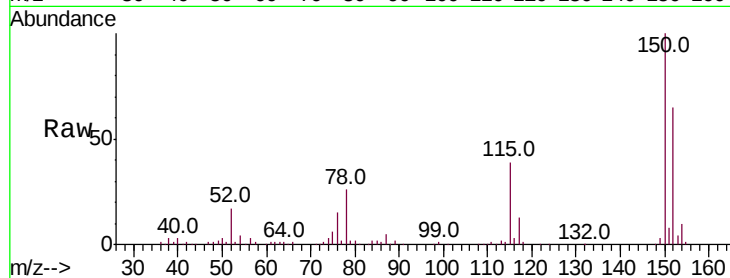
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	125.9	188.9
115	60.2	45.9	68.9

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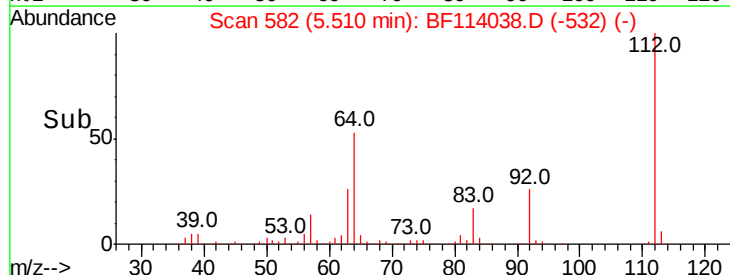
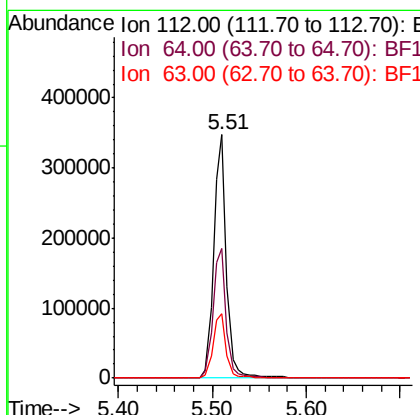
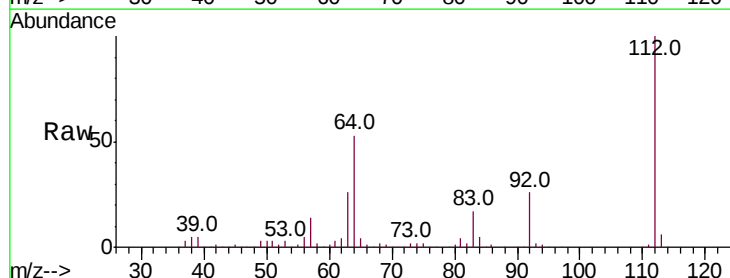
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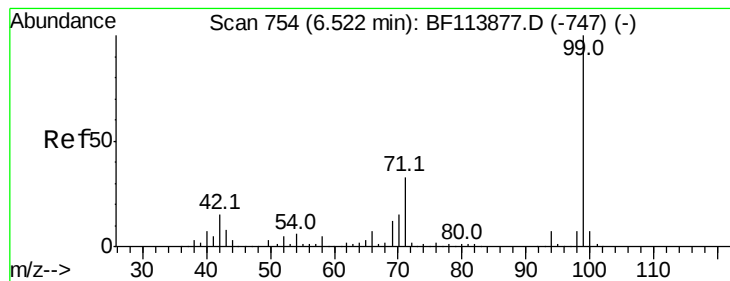


#5

2-Fluorophenol
Concen: 43.615 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.6	69.8
63	26.5	23.1	34.7





#7

Phenol-d6

Concen: 47.134 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

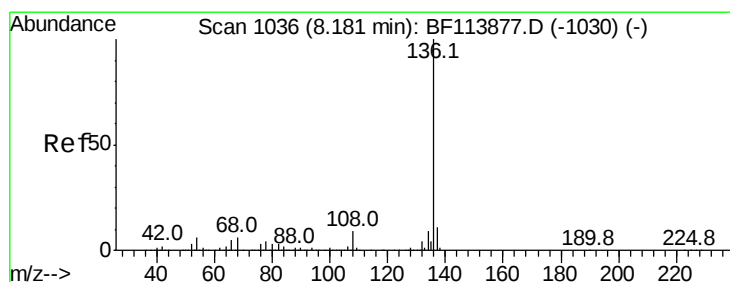
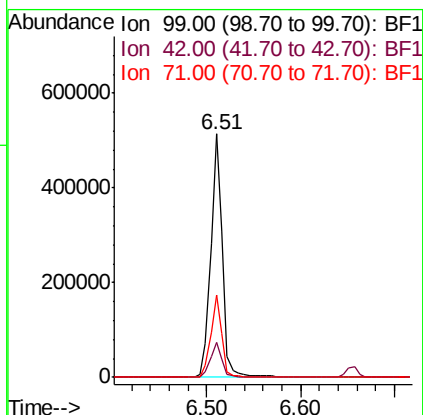
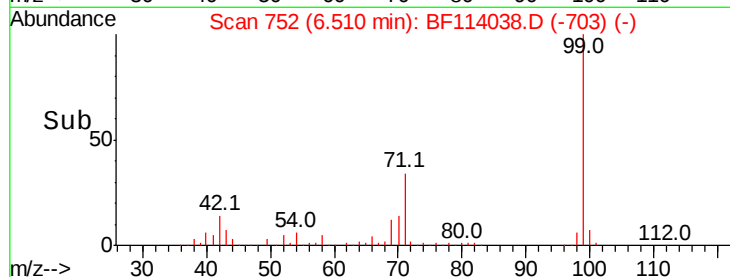
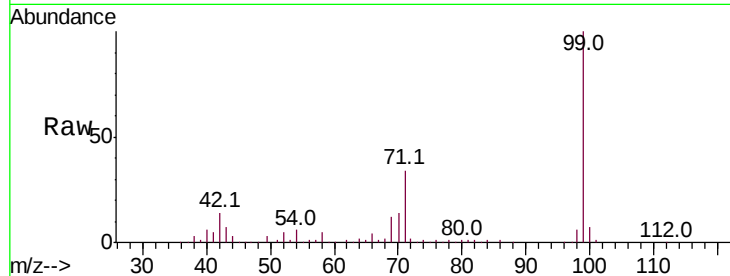
ClientSampled :

OR-02-042919-B

Tot Ion:	99	Resp:	453863
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.5	18.7
71	33.9	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

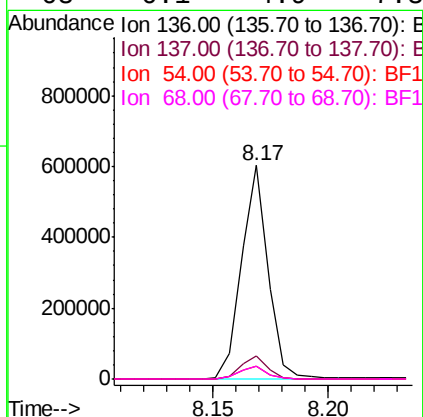
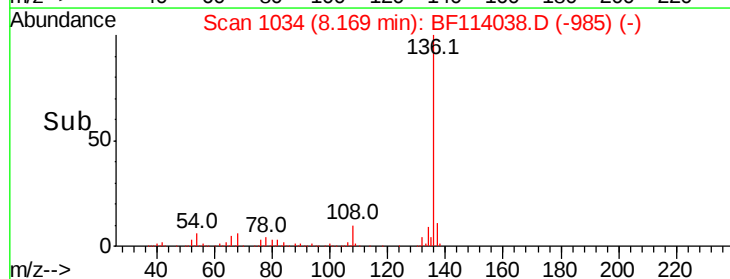
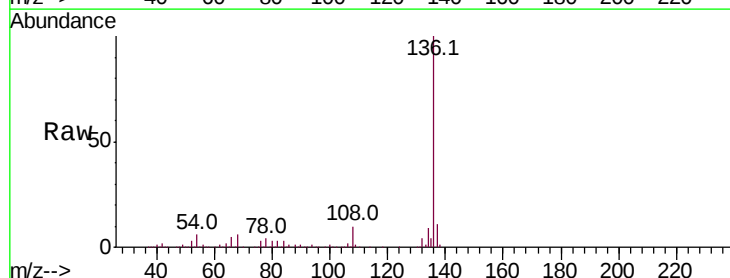
RT: 8.17 min Scan# 1034

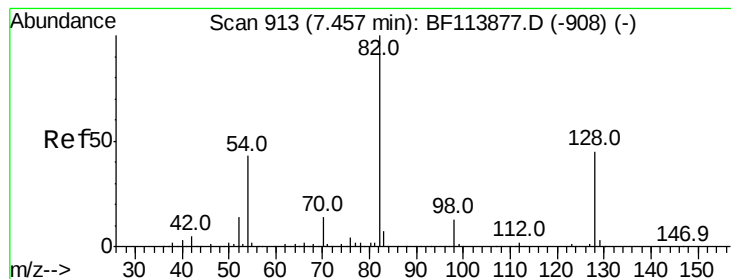
Delta R.T. -0.01 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion:	136	Resp:	486309
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	6.1	5.0	7.6
68	6.1	4.9	7.3





#23

Nitrobenzene-d5

Concen: 33.594 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

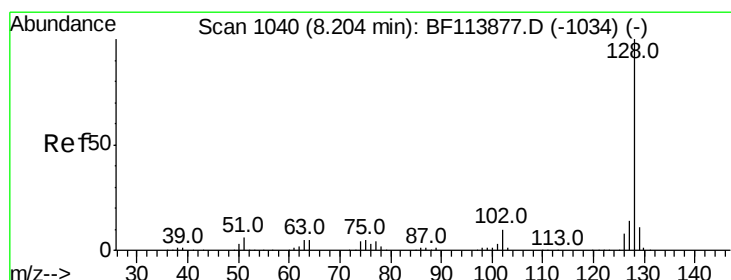
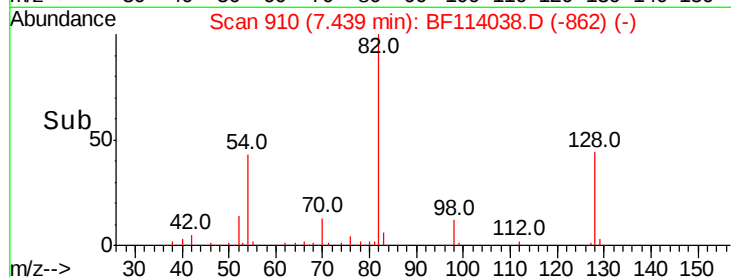
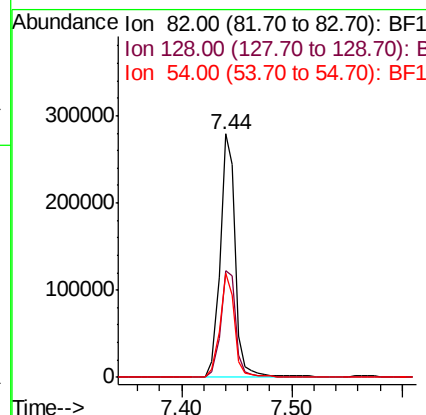
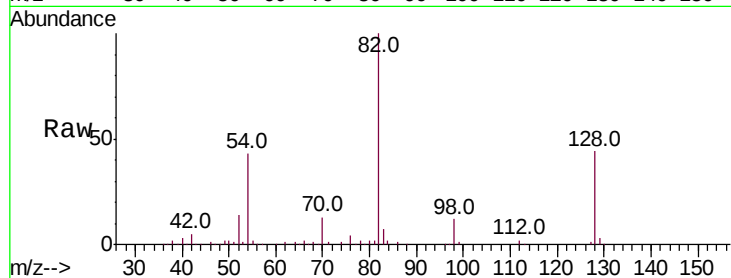
ClientSampleId :

OR-02-042919-B

Tot Ion:	82	Resp:	264592
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.8	55.2
54	42.8	33.8	50.6

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#31

Naphthalene

Concen: 2.507 ng

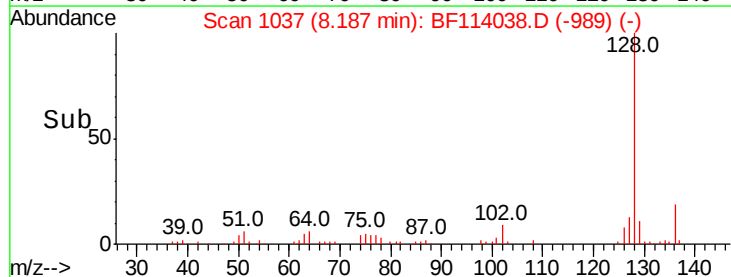
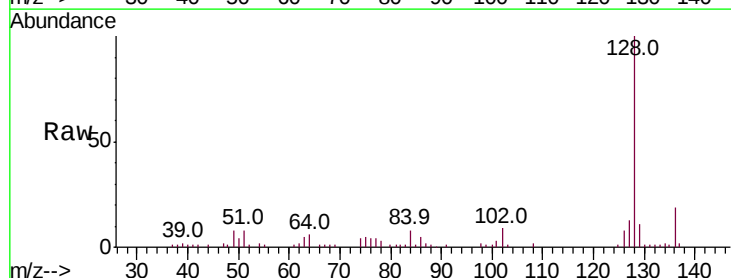
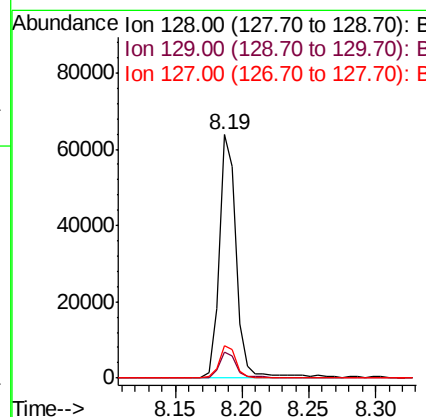
RT: 8.19 min Scan# 1037

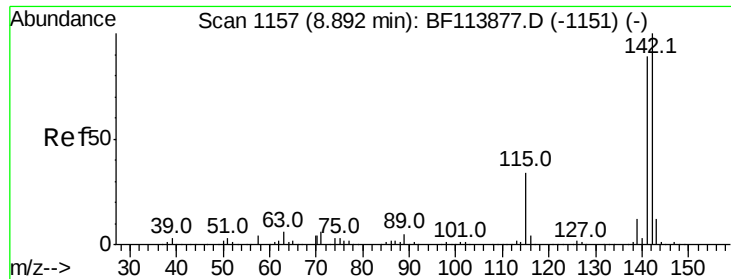
Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion:	128	Resp:	57928
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.4	14.0
127	13.2	10.8	16.2





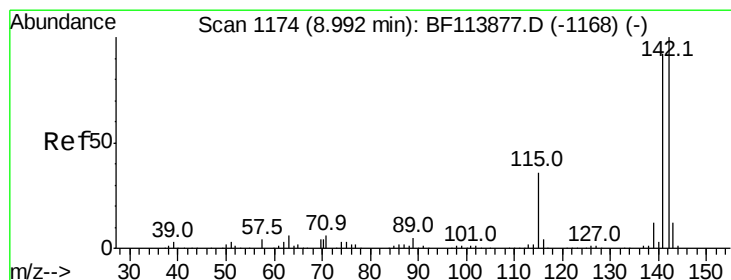
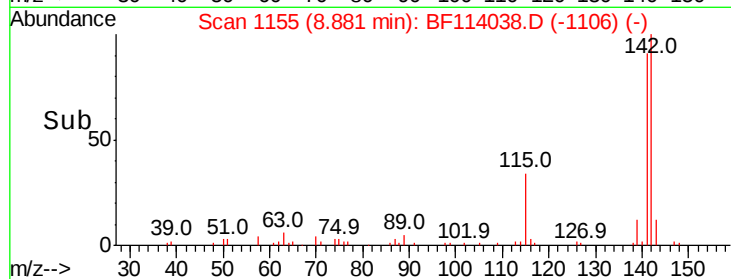
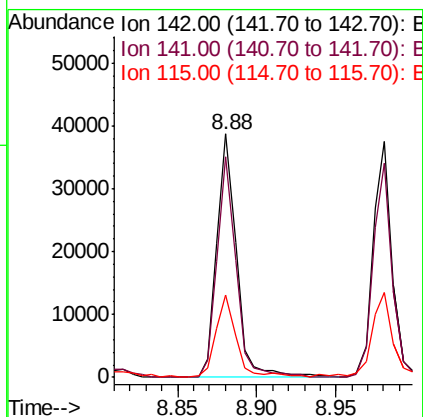
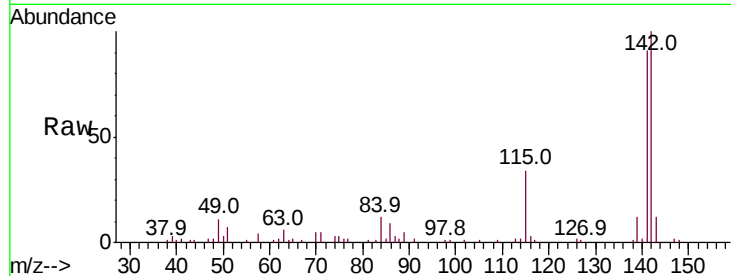
#37
2-Methylnaphthalene
Concen: 2.154 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.4	105.6
115	34.0	26.3	39.5

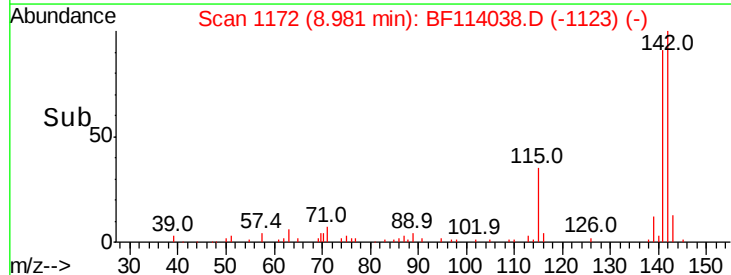
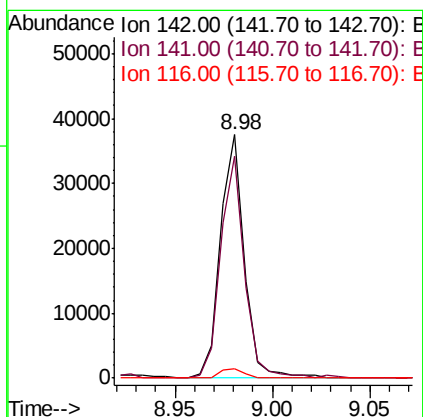
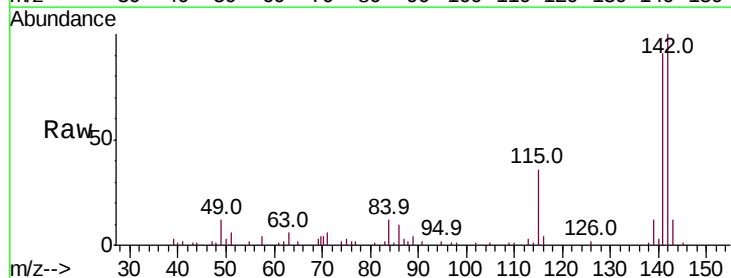
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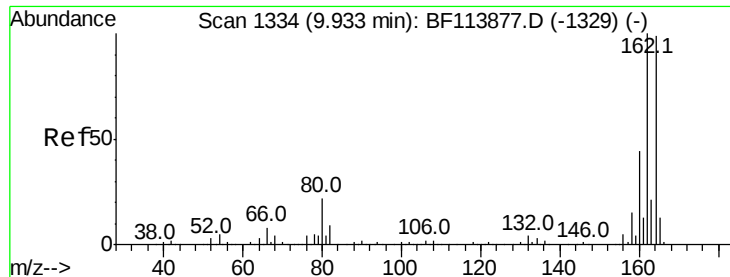
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#38
1-Methylnaphthalene
Concen: 2.125 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.3	108.5
116	4.0	3.0	4.4





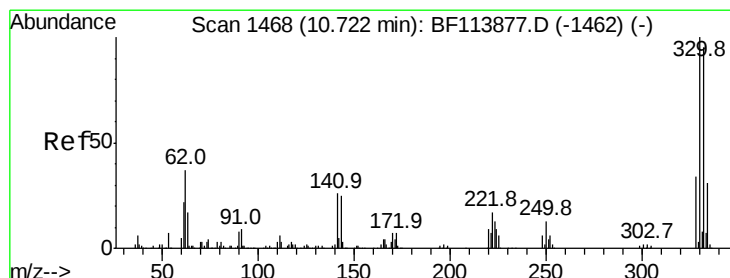
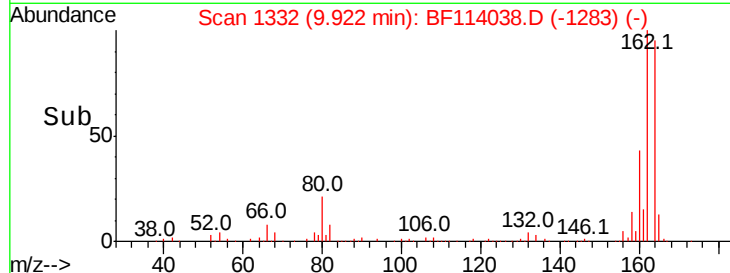
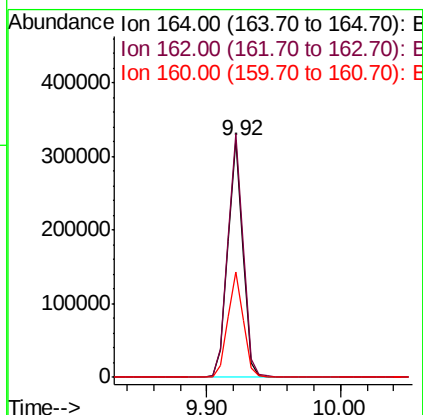
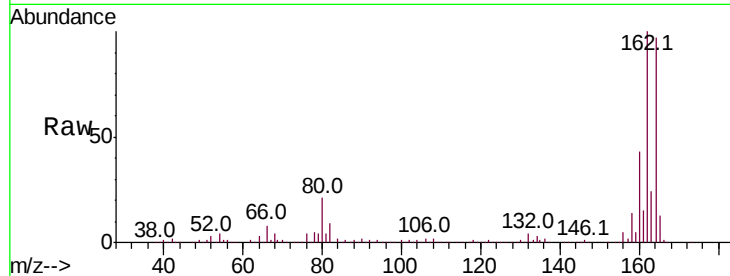
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Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100	260063		
162	102.9	81.1	121.7	
160	44.5	35.8	53.6	

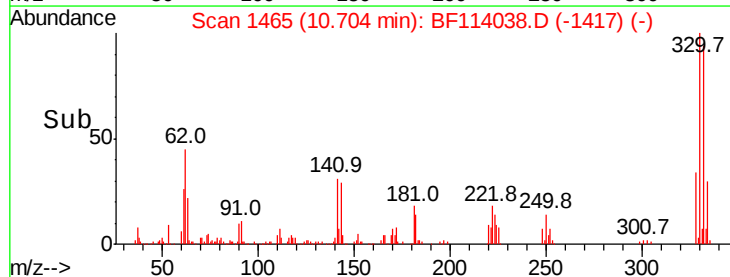
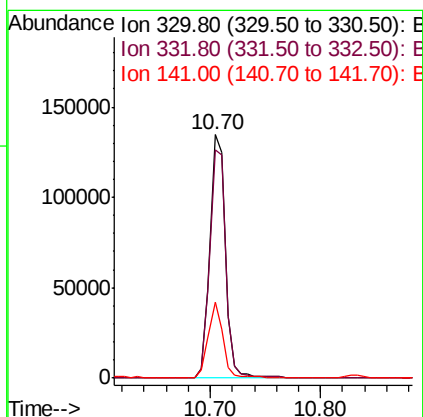
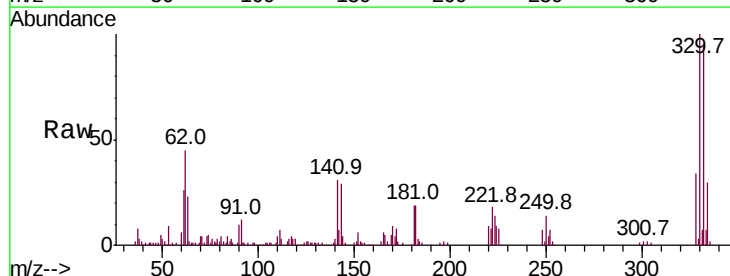
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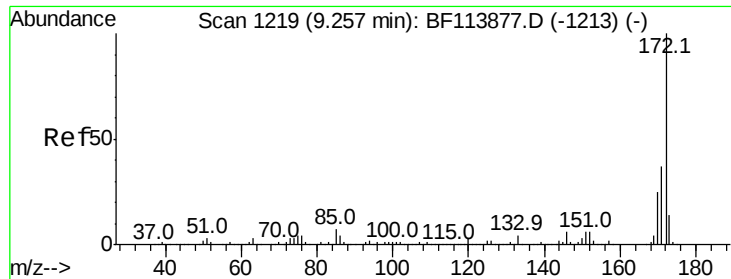
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#42
2,4,6-Tribromophenol
Concen: 40.885 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	129529		
332	96.6	77.5	116.3	
141	28.2	22.2	33.2	





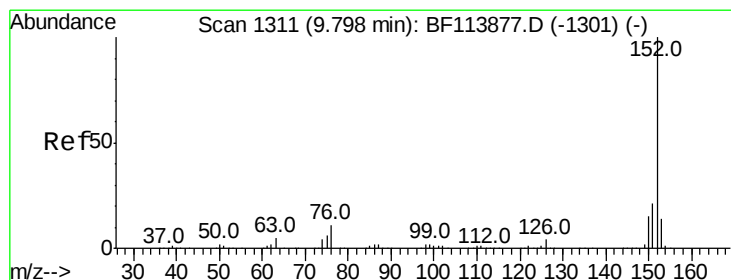
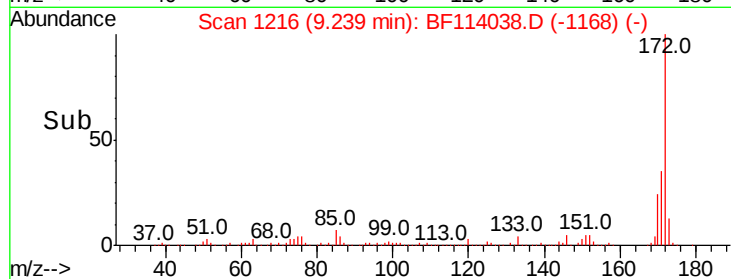
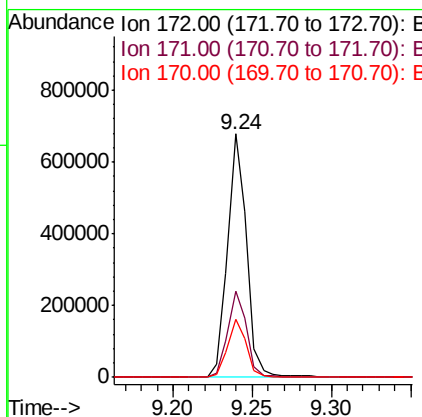
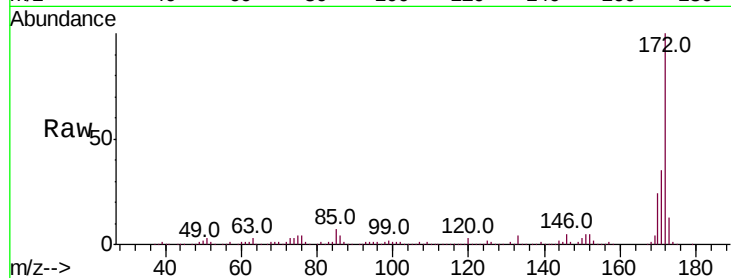
#45
2-Fluorobiphenyl
Concen: 33.825 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	562429		
171	35.4		29.4	44.0
170	23.6		19.9	29.9

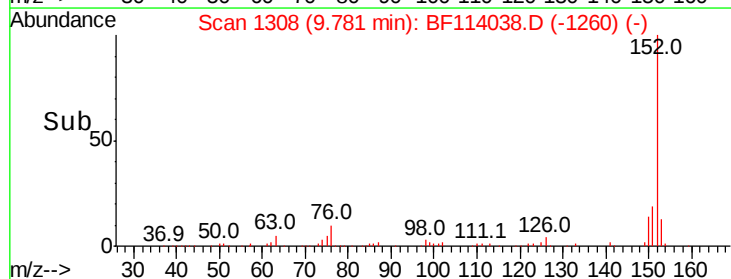
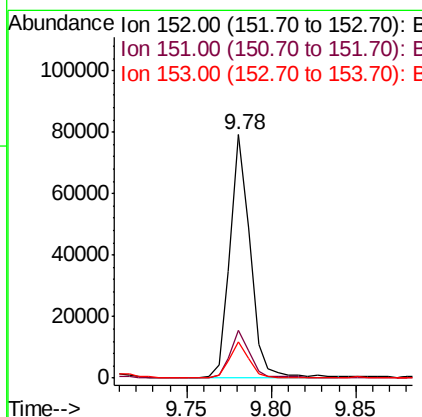
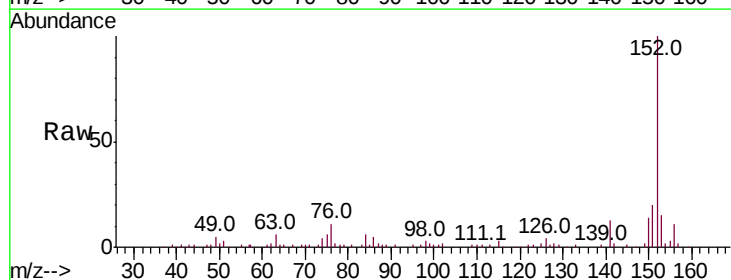
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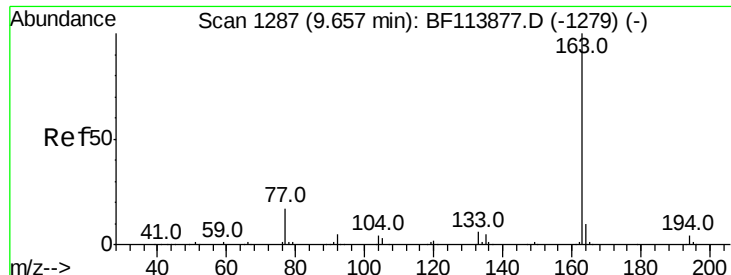
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#49
Acenaphthylene
Concen: 2.623 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	66352		
151	19.7		17.0	25.4
153	14.8		11.0	16.6





#50

Dimethylphthalate

Concen: 4.459 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

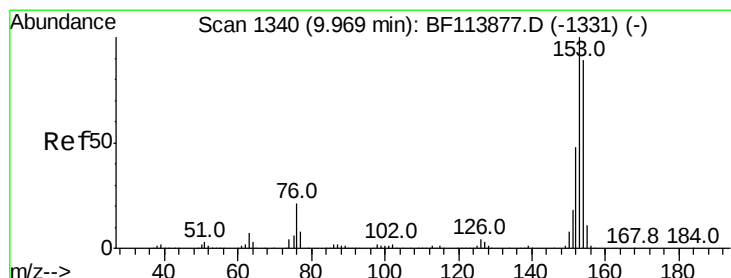
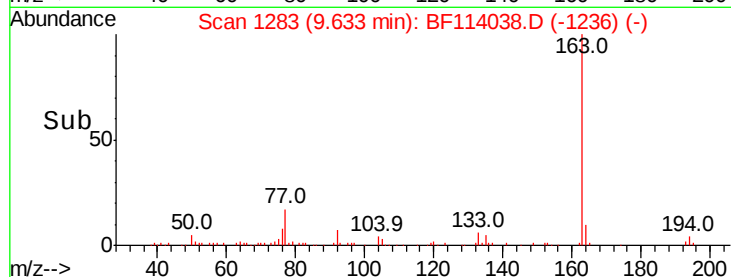
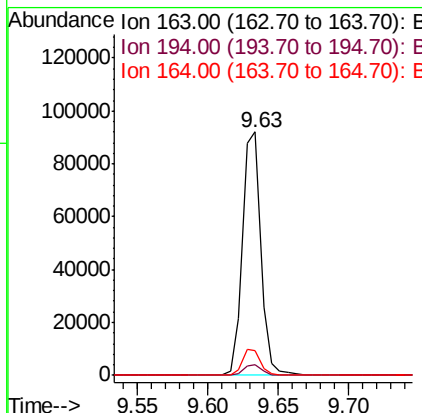
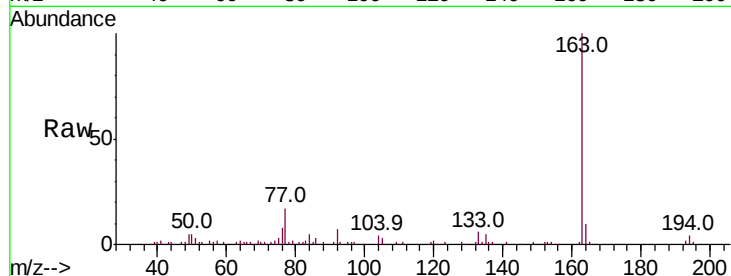
ClientSampleId :

OR-02-042919-B

Tot Ion:	163	Resp:	83869
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.2
164	9.9	8.5	12.7

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#52

Acenaphthene

Concen: 5.047 ng

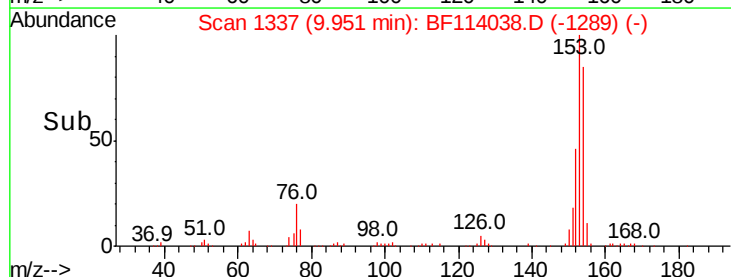
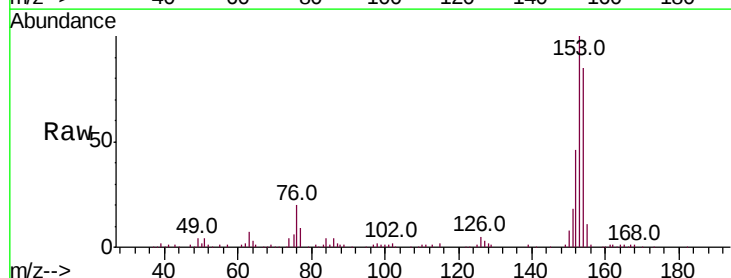
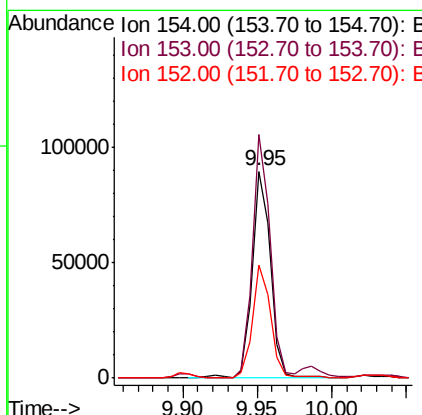
RT: 9.95 min Scan# 1337

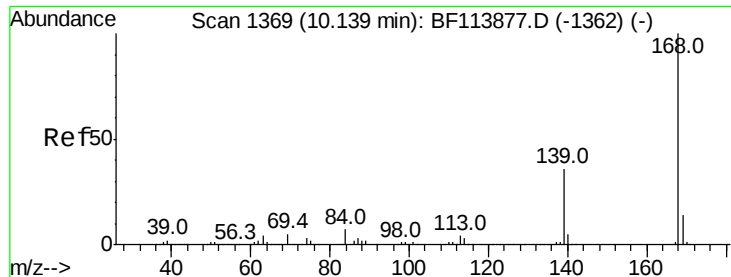
Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion:	154	Resp:	75441
Ion Ratio	Lower	Upper	
154	100		
153	117.6	87.2	130.8
152	54.5	42.3	63.5





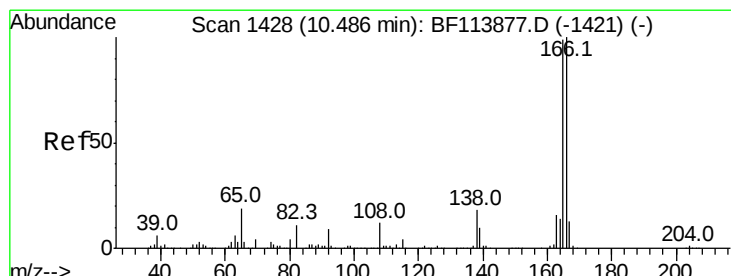
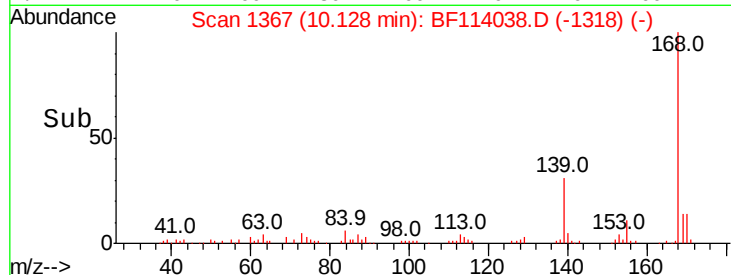
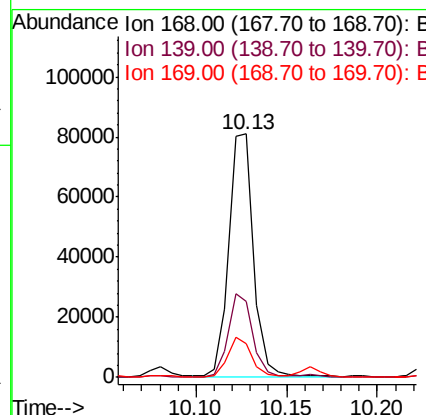
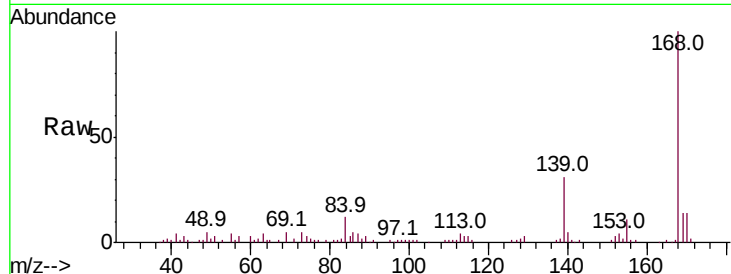
#55
Dibenzenofuran
Concen: 3.433 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	31.1	27.8	41.6
169	14.1	11.0	16.6

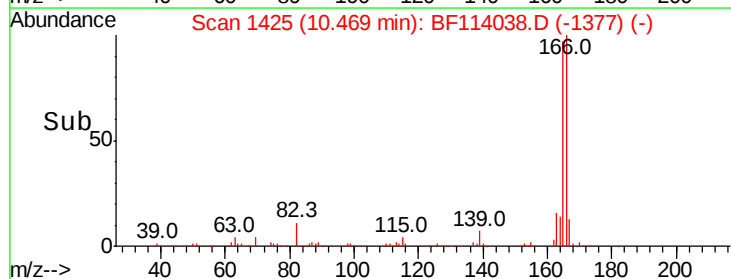
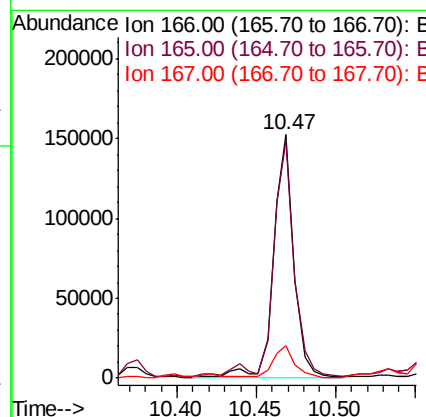
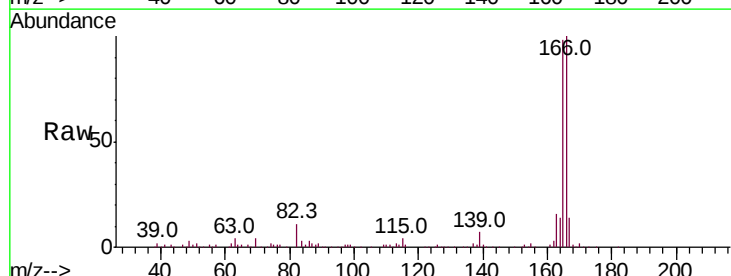
Manual Integrations
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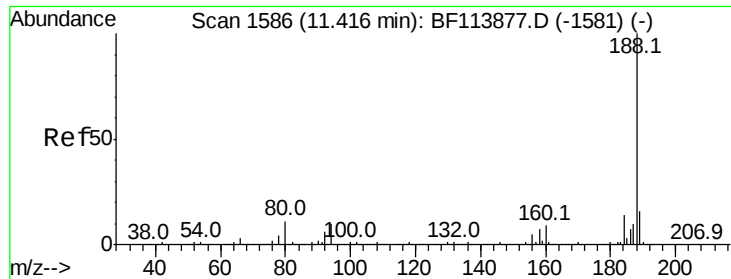
Sohil
5/1/2019 11:58:31 AM



#58
Fluorene
Concen: 8.009 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.02 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.6	10.9	16.3





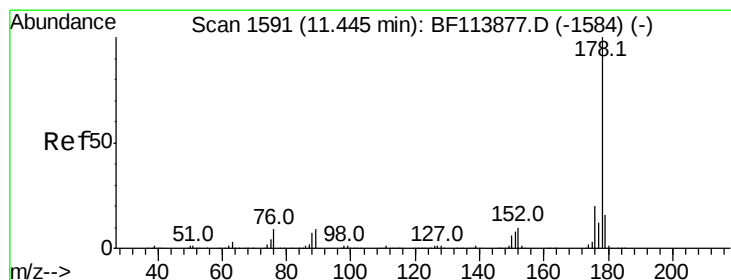
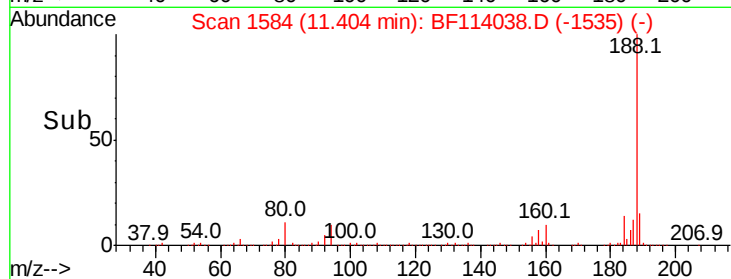
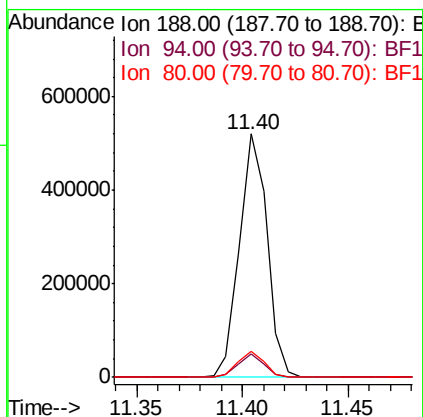
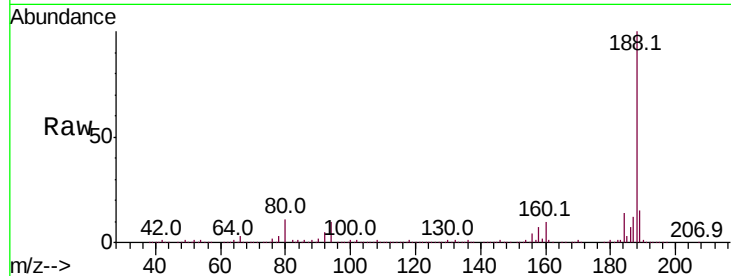
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF114038.D
 Acq: 30 Apr 2019 13:32

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	471919		
94	9.5		8.2	12.4
80	10.6		9.0	13.6

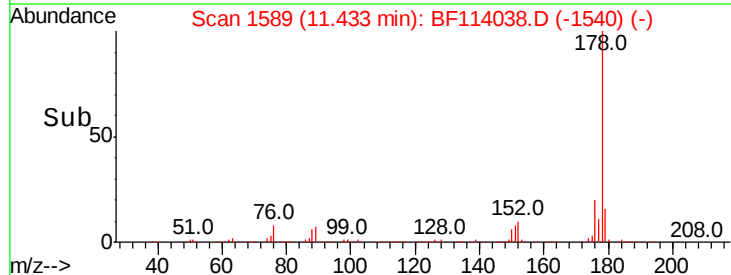
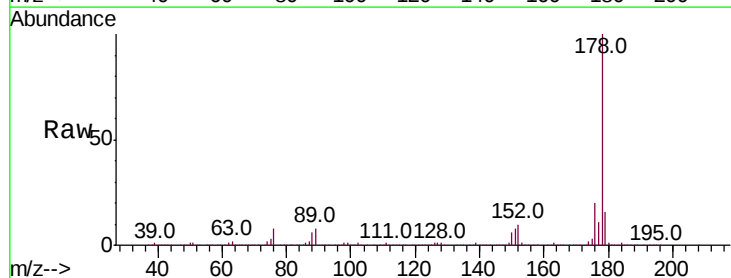
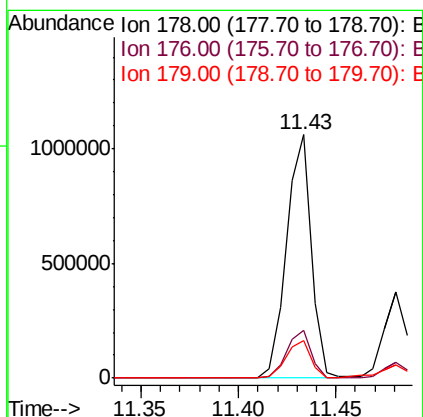
Manual Integrations
 APPROVED

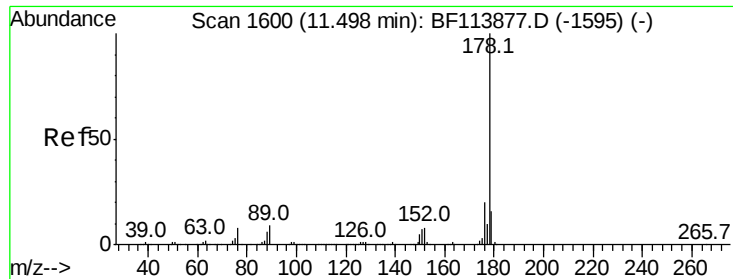
Sohil
 5/1/2019 11:58:31 AM



#71
 Phenanthrene
 Concen: 39.183 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF114038.D
 Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	929277		
176	19.7		16.1	24.1
179	15.6		12.8	19.2





#72

Anthracene

Concen: 12.136 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

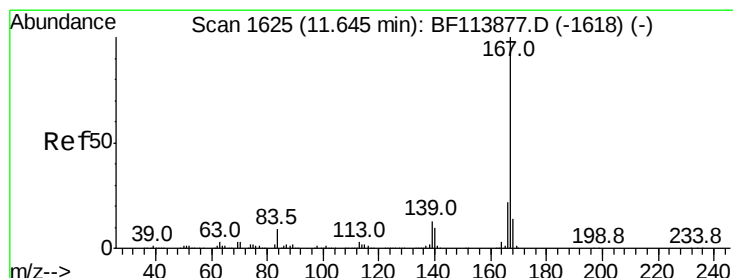
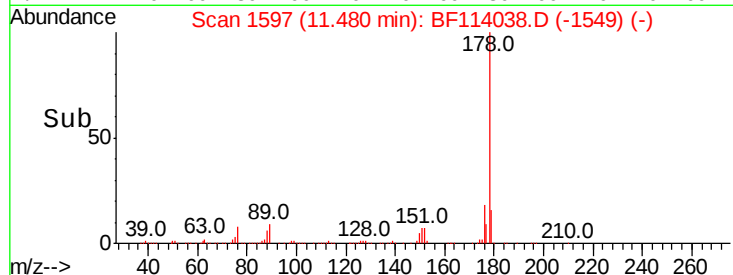
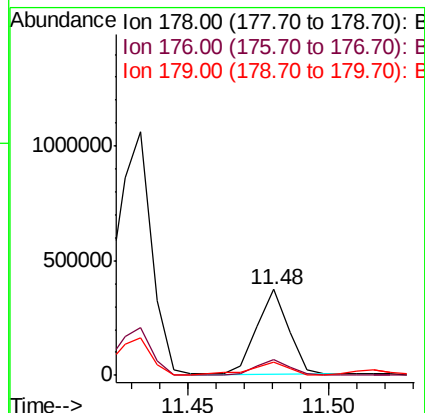
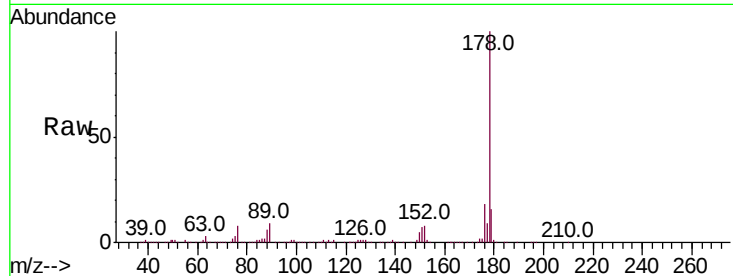
ClientSampleId :

OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.7	23.5
179	15.9	13.0	19.4

Manual Integrations
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#73

Carbazole

Concen: 2.876 ng

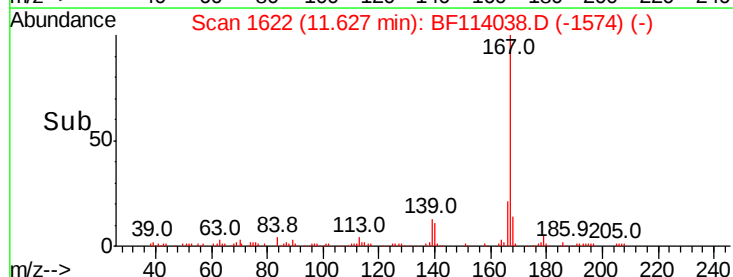
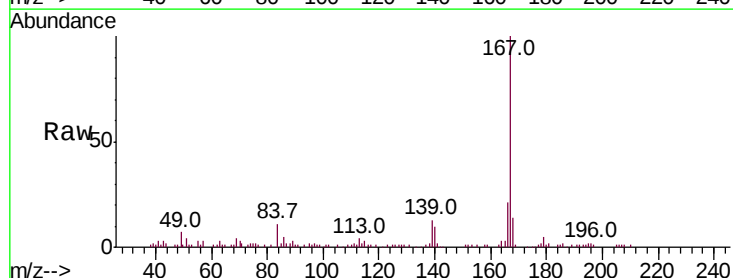
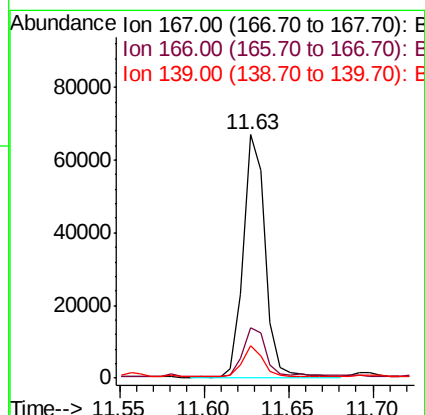
RT: 11.63 min Scan# 1622

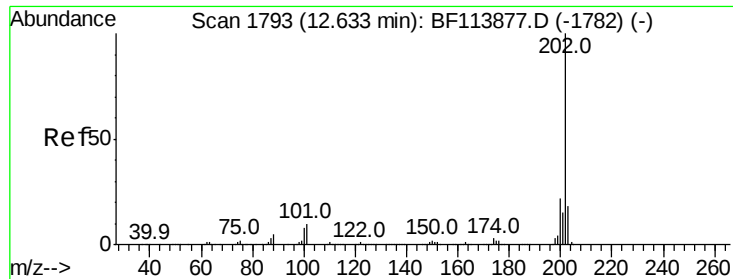
Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.7	26.5
139	13.3	10.0	15.0





#75

Fluoranthene

Concen: 47.775 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

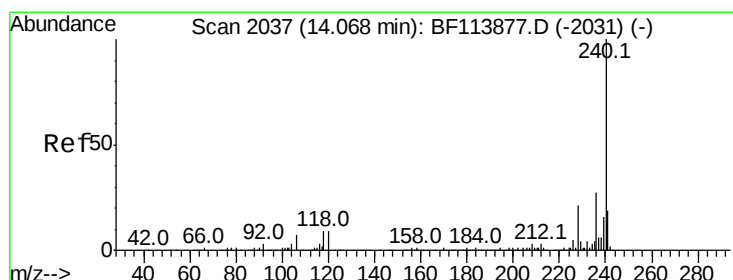
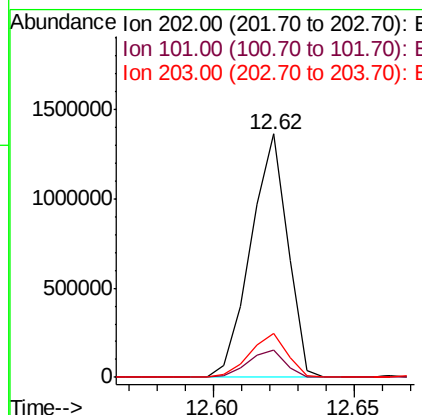
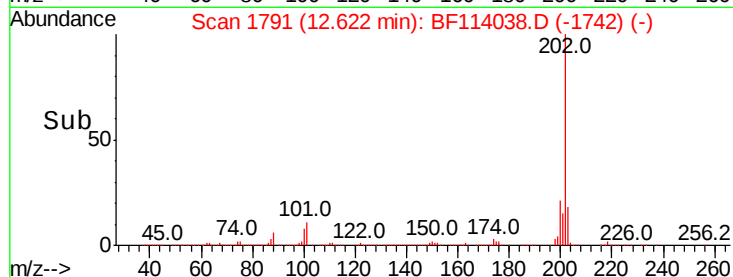
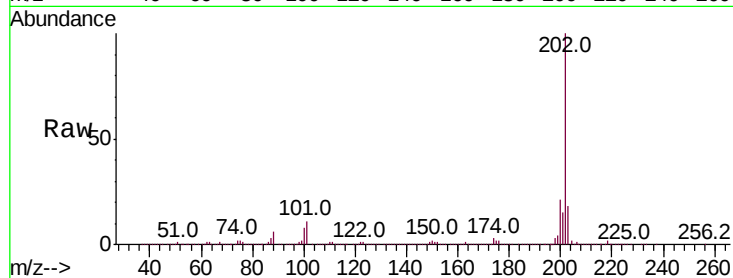
ClientSampleId :

OR-02-042919-B

Tot Ion:	202	Resp:	1236195
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.9
203	18.2	0.0	38.2

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

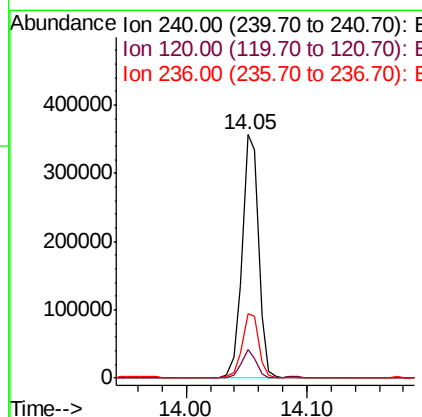
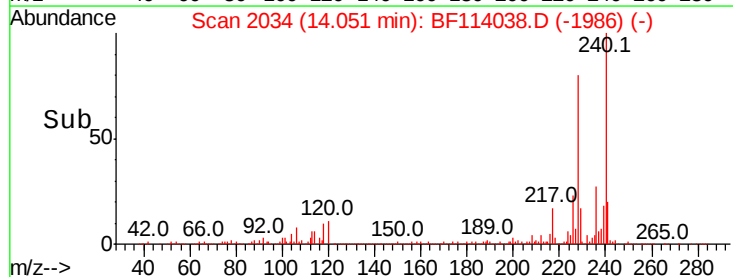
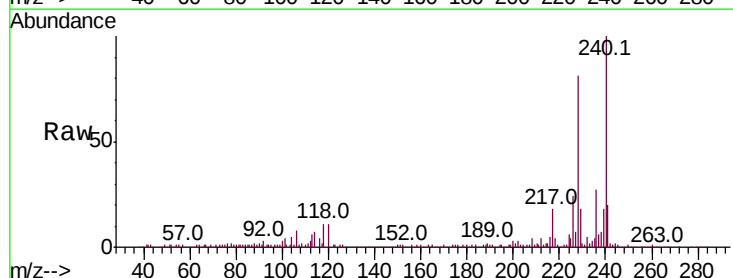
RT: 14.05 min Scan# 2034

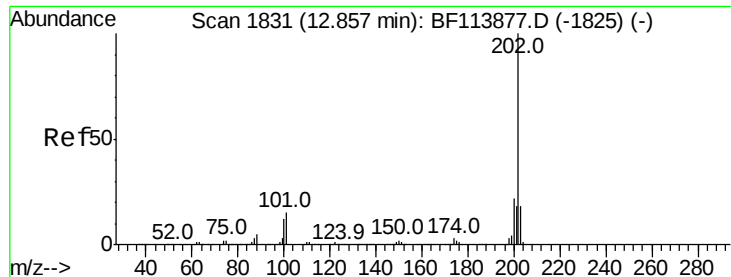
Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion:	240	Resp:	341124
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.3	13.9
236	26.7	21.2	31.8





#78

Pvrene

Concen: 47.079 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

ClientSampleId :

OR-02-042919-B

Tot Ion:202 Resp: 1123078

Ion Ratio Lower Upper

202 100

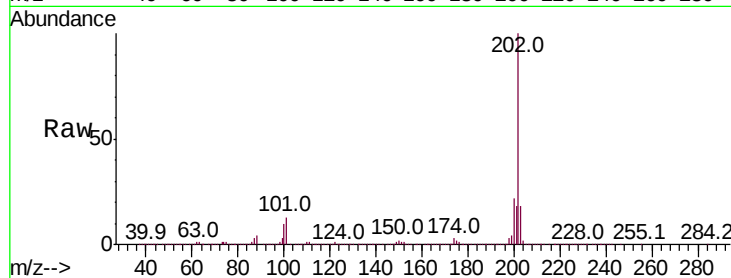
200 21.7 17.7 26.5

203 18.4 15.0 22.6

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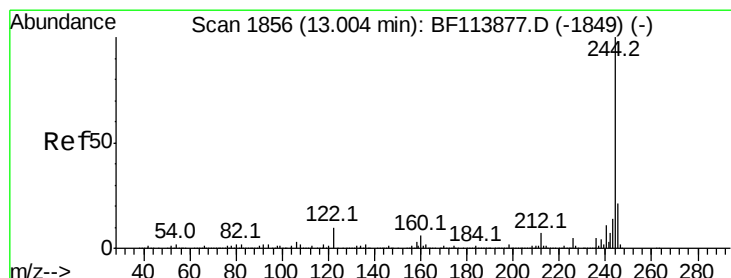
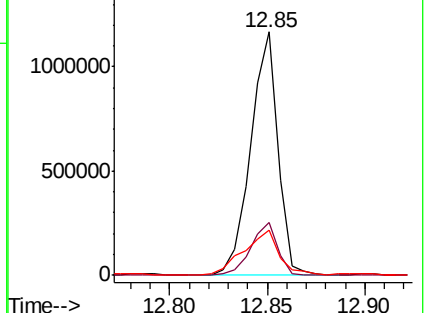
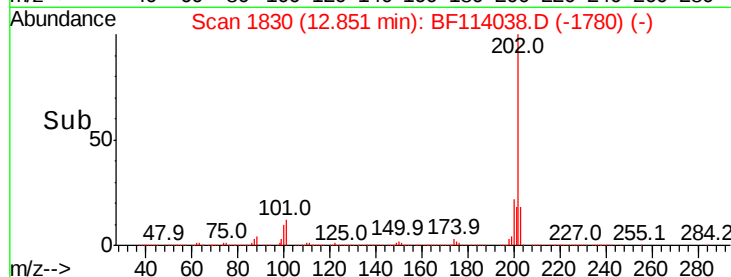
5/1/2019 11:58:31 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 31.727 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

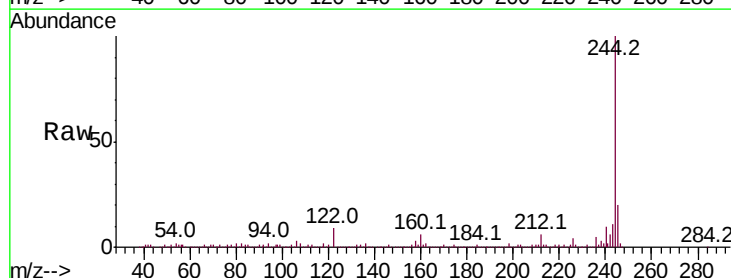
Tgt Ion:244 Resp: 527914

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

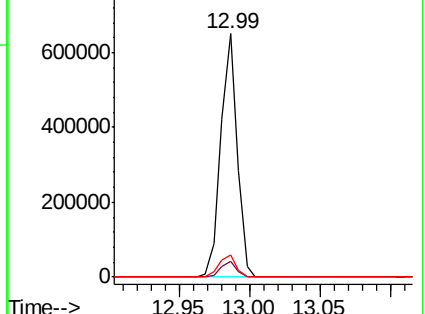
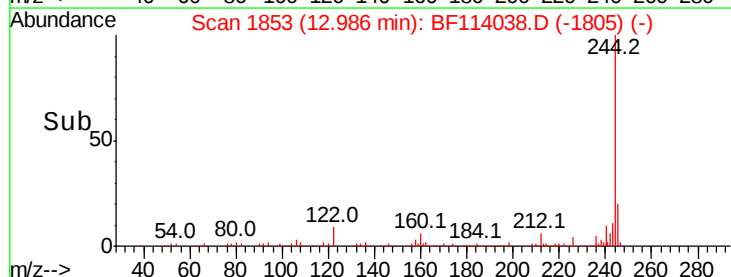
122 8.9 7.6 11.4

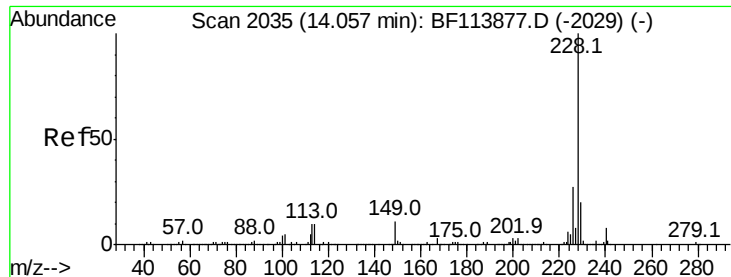


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 32.538 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

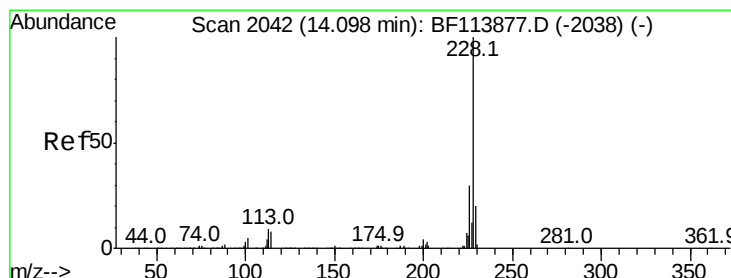
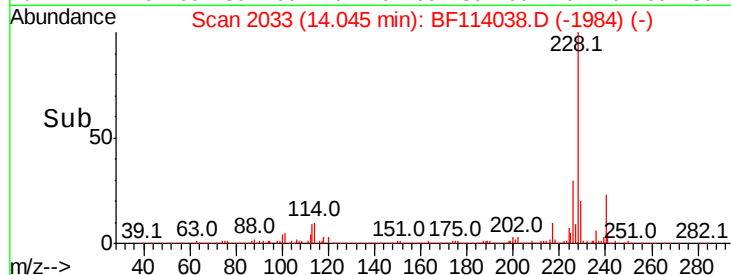
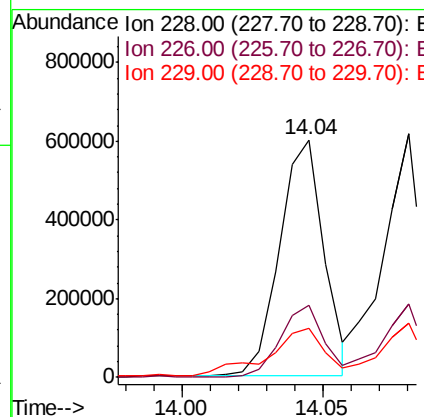
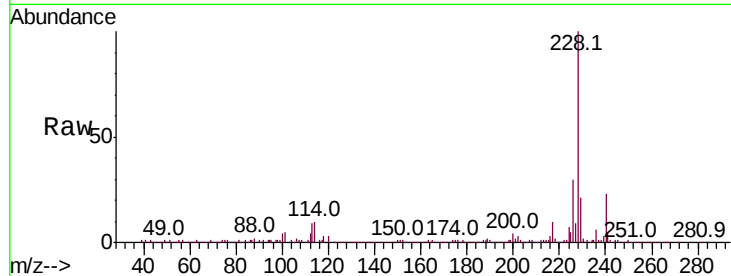
ClientSampleId :

OR-02-042919-B

Tot Ion:	228	Resp:	653953
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.2	33.2
229	20.9	16.0	24.0

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#83

Chrysene

Concen: 29.880 ng

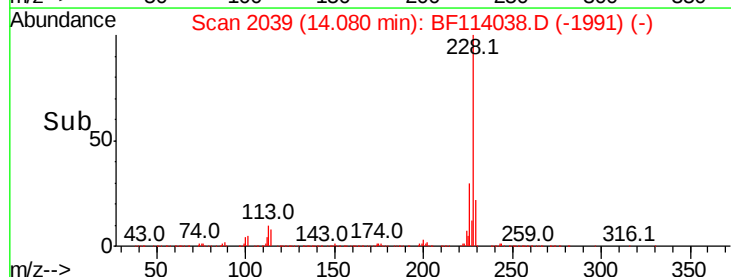
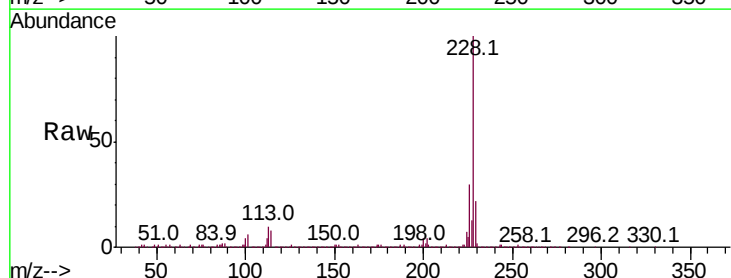
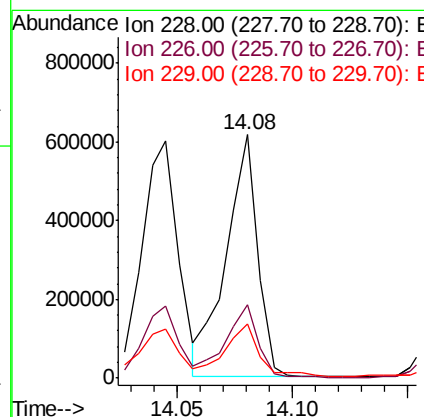
RT: 14.08 min Scan# 2039

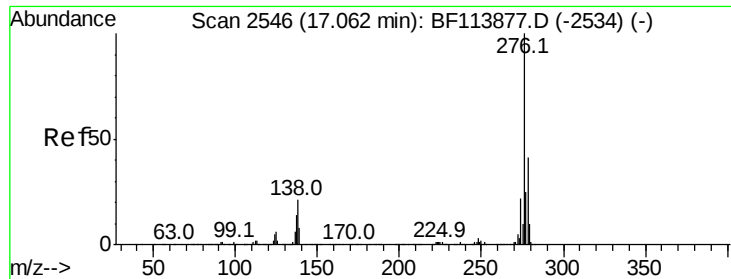
Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion:	228	Resp:	584862
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.2	37.8
229	22.3	16.7	25.1





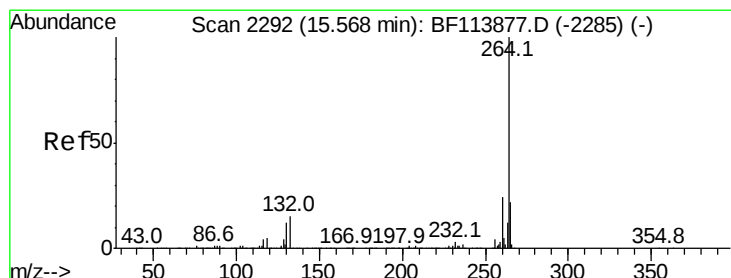
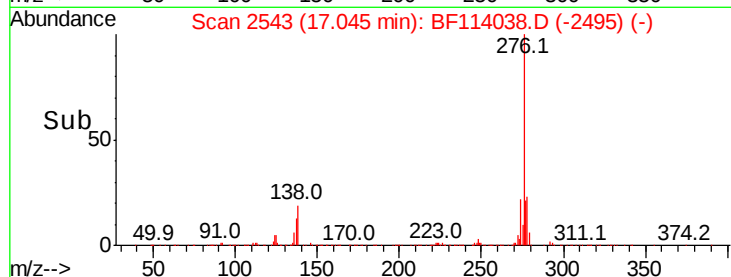
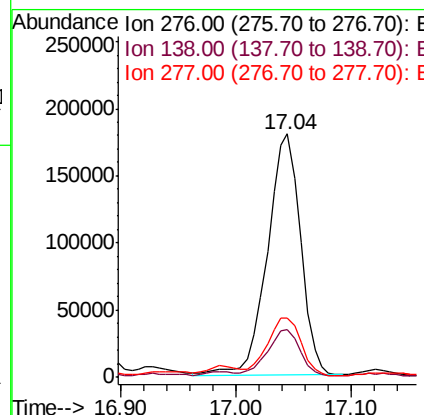
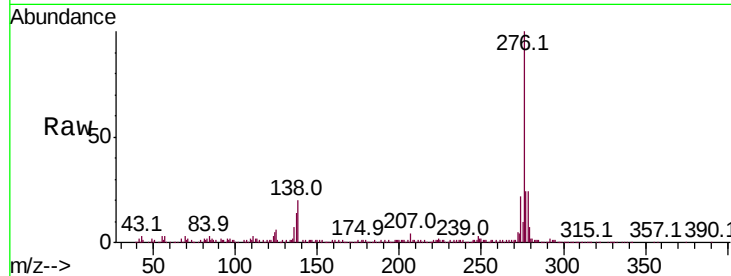
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.426 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	19.6	29.4#
277	24.7	20.2	30.4

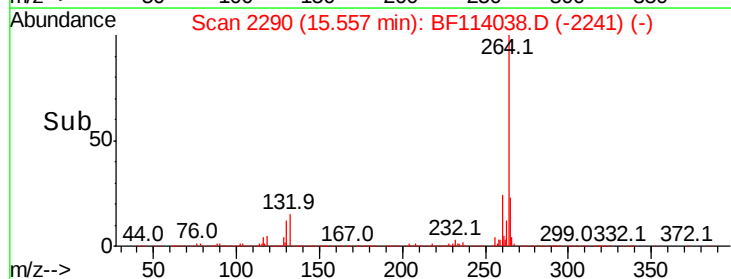
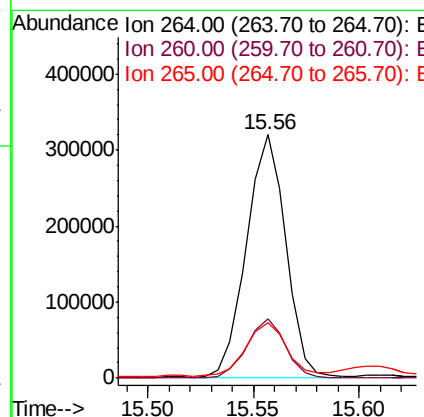
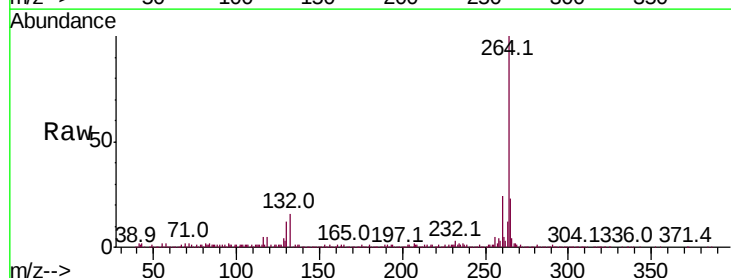
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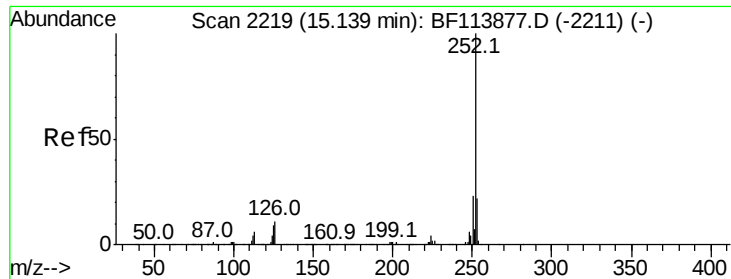
Sohil
5/1/2019 11:58:31 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	22.8	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 35.634 ng m

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

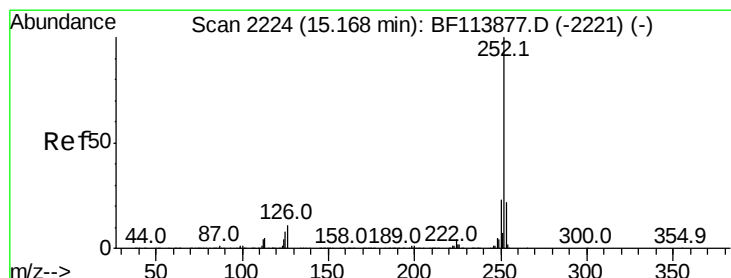
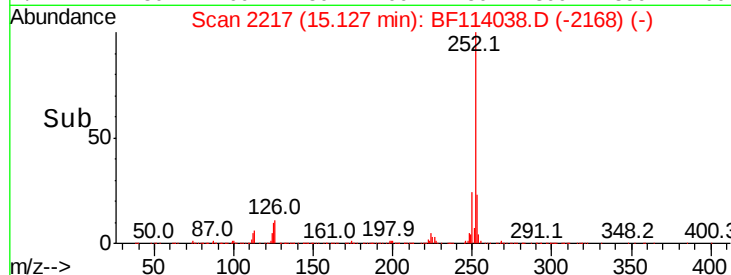
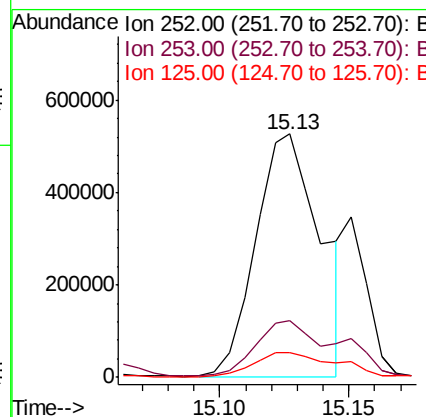
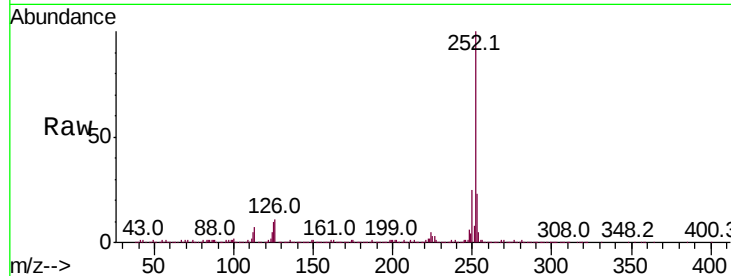
Instrument :
BNA_F

ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.3	7.0	10.6

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 9.678 ng m

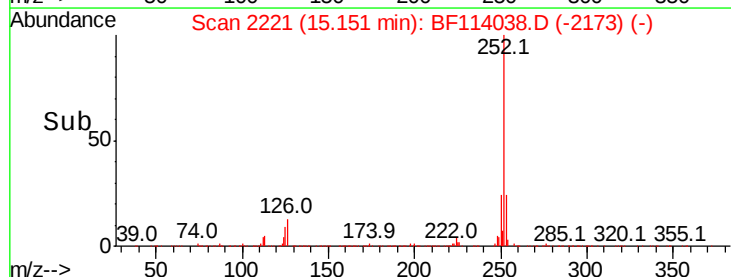
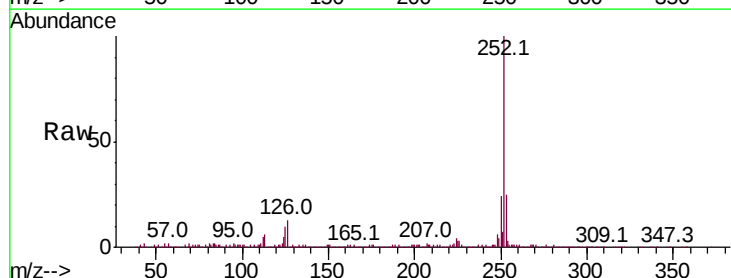
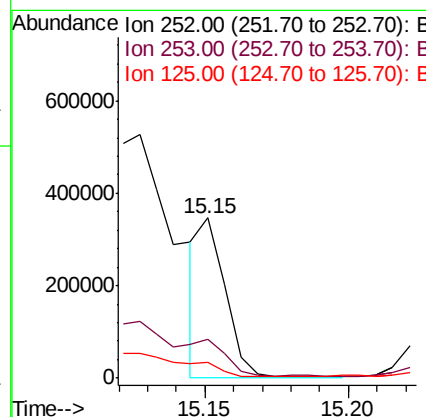
RT: 15.15 min Scan# 2221

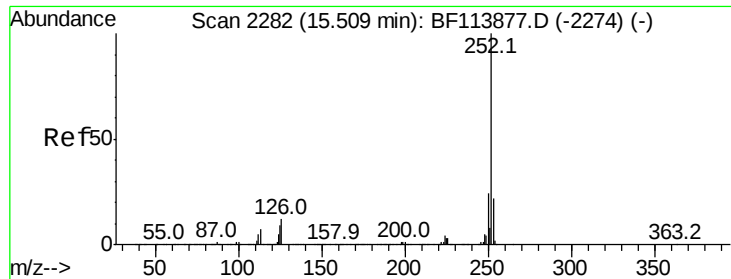
Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	9.5	7.4	11.2





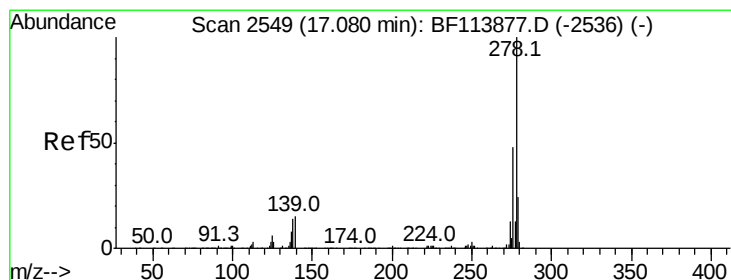
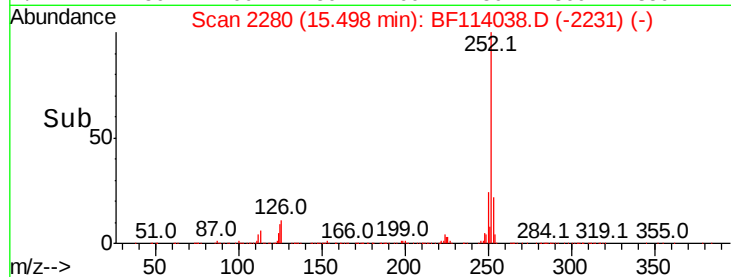
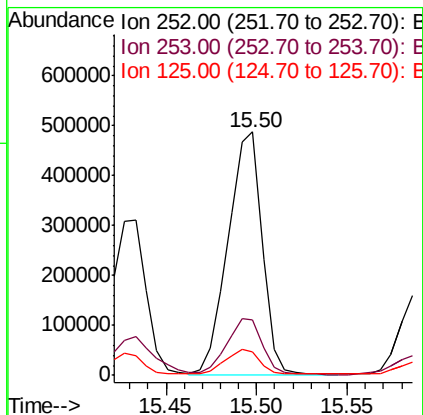
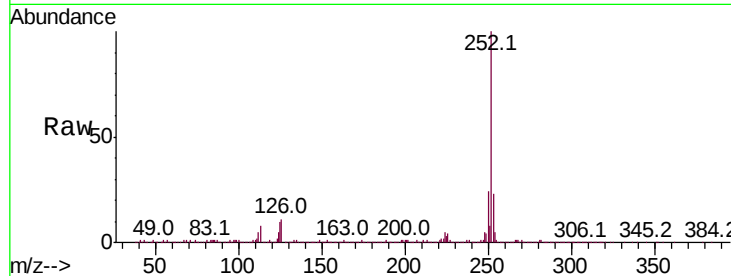
#90
Benzo(a)pyrene
Concen: 28.372 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	9.7	8.5	12.7

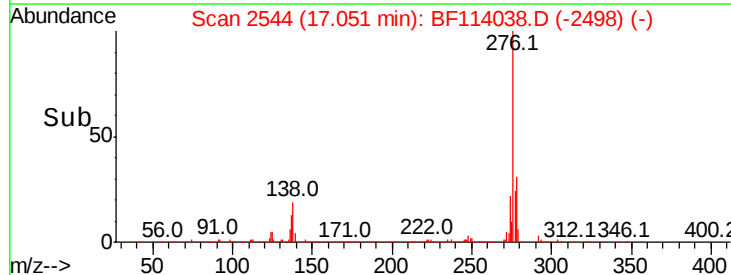
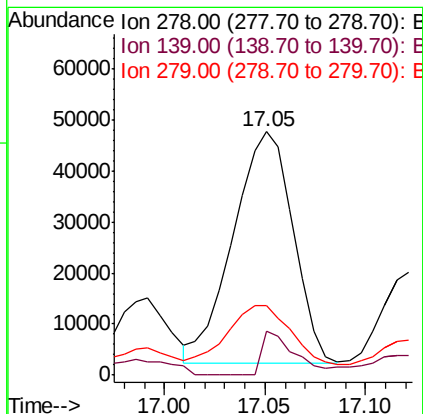
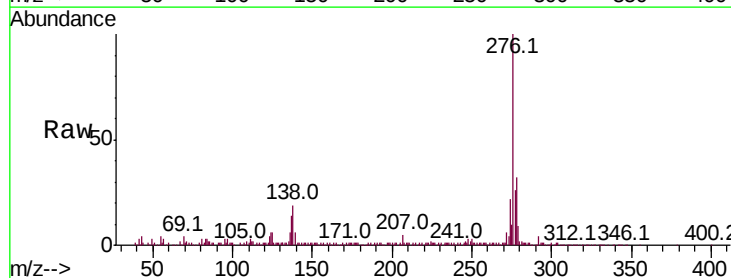
Manual Integrations
APPROVED

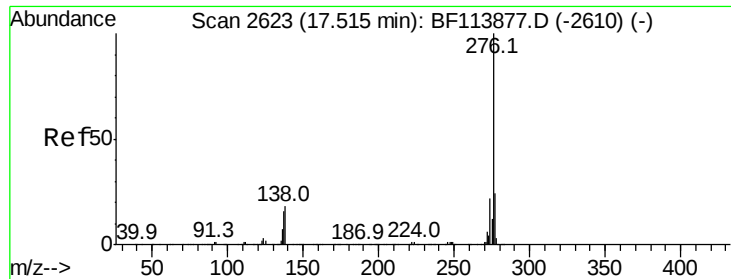
Sohil
5/1/2019 11:58:31 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.476 ng m
RT: 17.05 min Scan# 2544
Delta R.T. -0.03 min
Lab File: BF114038.D
Acq: 30 Apr 2019 13:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	11.6	17.4#
279	28.4	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 14.929 ng

RT: 17.49 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF114038.D

Acq: 30 Apr 2019 13:32

Instrument :

BNA_F

ClientSampleId :

OR-02-042919-B

Tot Ion:	276	Resp:	316933
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.0	28.4
138	19.4	16.6	25.0

Manual Integrations
APPROVED

Sohil
5/1/2019 11:58:31 AM

