

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113046.D
 Acq On : 13 Mar 2019 23:40
 Operator : JU/SJ
 Sample : K1693-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031219-A

Manual Integrations
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 3/14/2019 10:50:20 AM

Quant Time: Mar 14 02:47:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	166540	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	732227	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	400406	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	724826	20.00	ng	0.00
76) Chrysene-d12	13.87	240	499471	20.00	ng	0.00
87) Perylene-d12	15.27	264	405657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	254042	23.73	ng	-0.01
7) Phenol-d6	6.36	99	349743	26.01	ng	-0.01
23) Nitrobenzene-d5	7.28	82	200865	16.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	132648	31.21	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	517802	16.66	ng	-0.01
79) Terphenyl-d14	12.82	244	446726	17.34	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.79	154	83134	3.284	ng	97
58) Fluorene	10.30	166	117846	4.512	ng	99
71) Phenanthrene	11.26	178	854181	23.686	ng	99
72) Anthracene	11.31	178	267666	7.090	ng	97
73) Carbazole	11.46	167	113496	3.082	ng	99
75) Fluoranthene	12.44	202	1171713	30.326	ng	97
78) Pyrene	12.67	202	1054950	25.054	ng	99
81) Benzo(a)anthracene	13.86	228	516648	14.925	ng	98
83) Chrysene	13.89	228	466879	13.769	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	203242m	7.031	ng	
88) Benzo(b)fluoranthene	14.87	252	530820m	20.230	ng	
89) Benzo(k)fluoranthene	14.90	252	149898m	6.307	ng	
90) Benzo(a)pyrene	15.22	252	370978	15.984	ng	97
91) Dibenzo(a,h)anthracene	16.64	278	53686	2.711	ng	# 81
92) Benzo(a,h,i)perylene	17.04	276	191755	9.643	ng	95

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

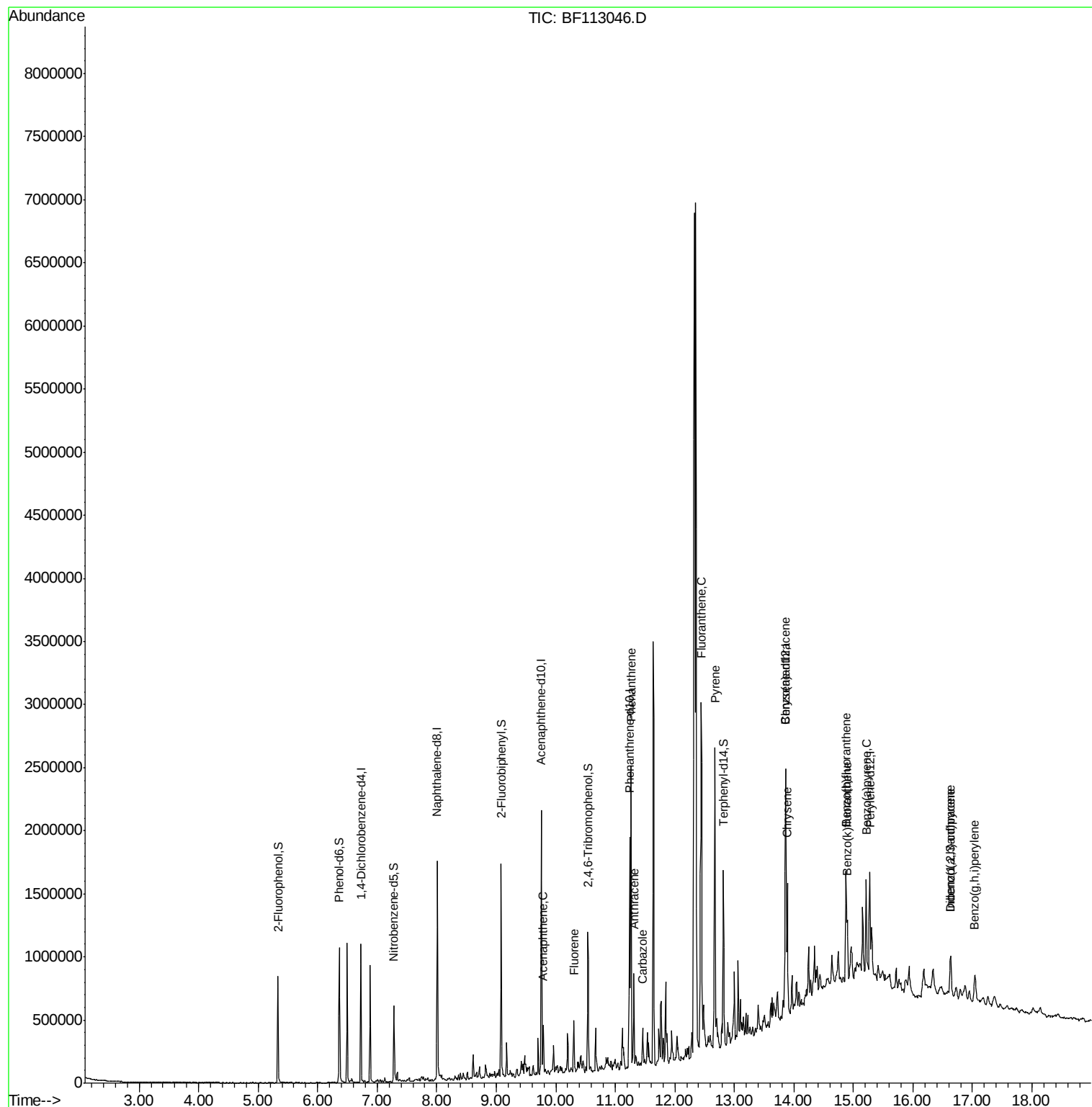
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
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#1

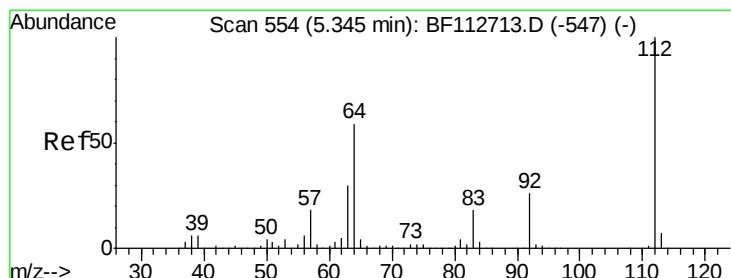
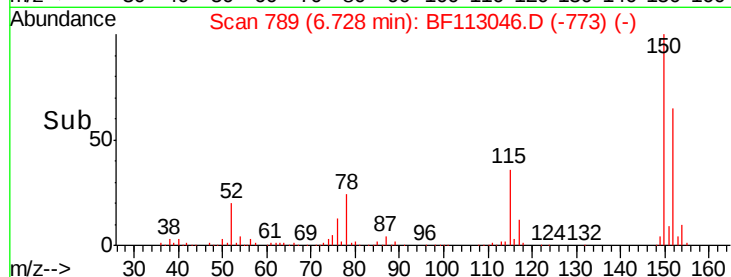
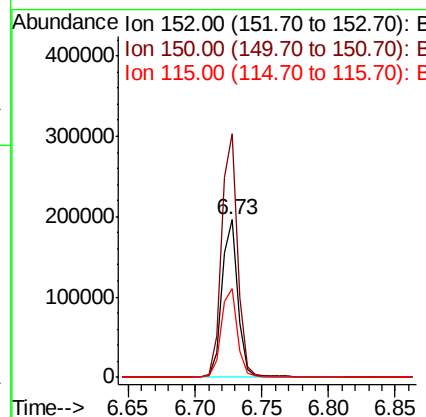
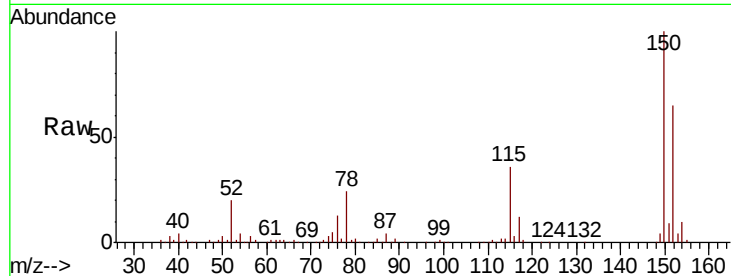
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	56.0	48.2	72.4

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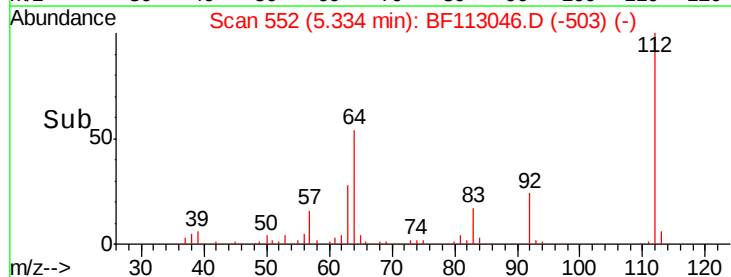
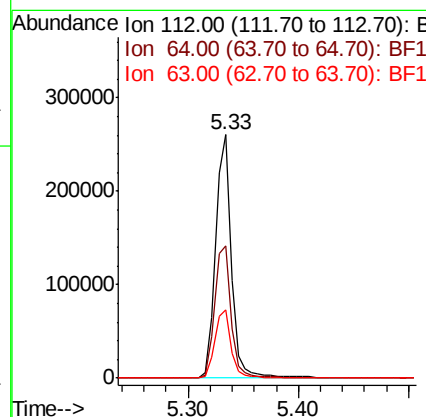
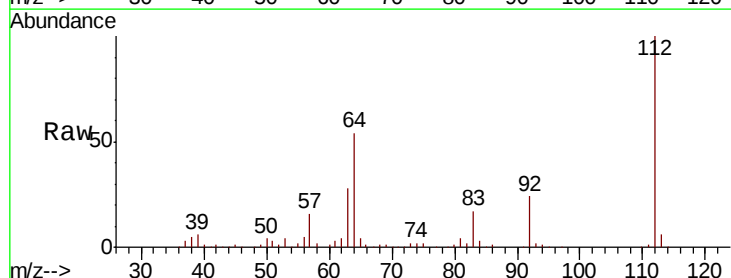
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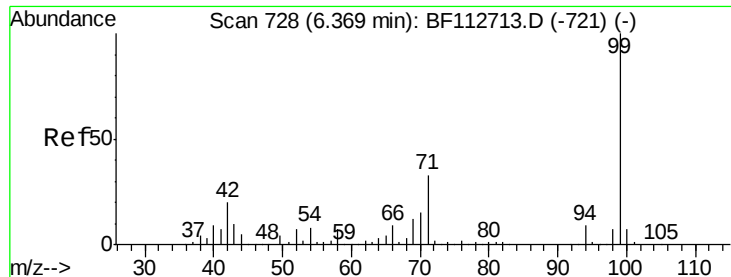


#5

2-Fluorophenol
Concen: 23.728 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	47.6	71.4
63	28.0	24.4	36.6





#7

Phenol-d6

Concen: 26.006 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 23:40

Instrument :

BNA_F

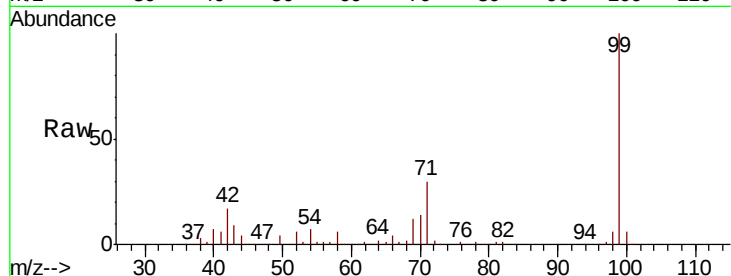
ClientSampleId :

OR-02-031219-A

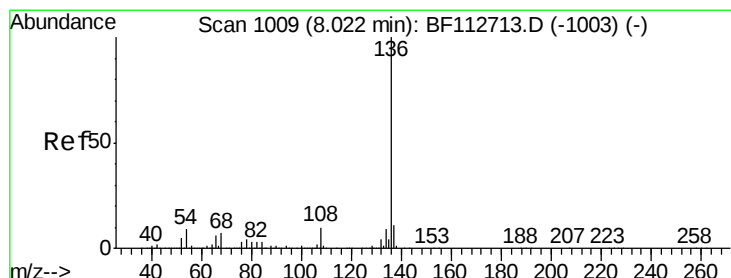
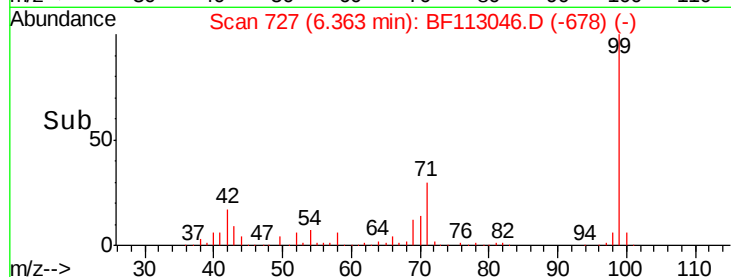
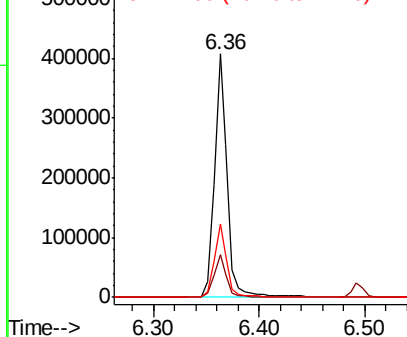
Tot Ion:	99	Resp:	349743
Ion	Ratio	Lower	Upper
99	100		
42	17.5	16.3	24.5
71	30.4	26.2	39.4

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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: 8.01 min Scan# 1007

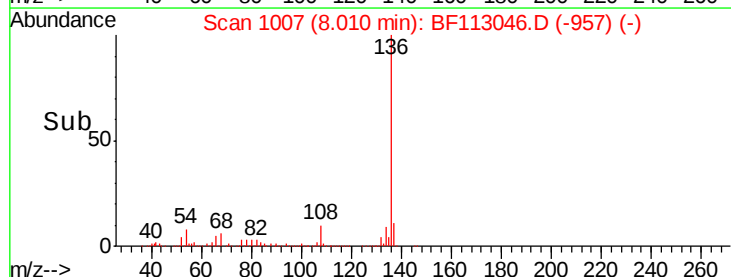
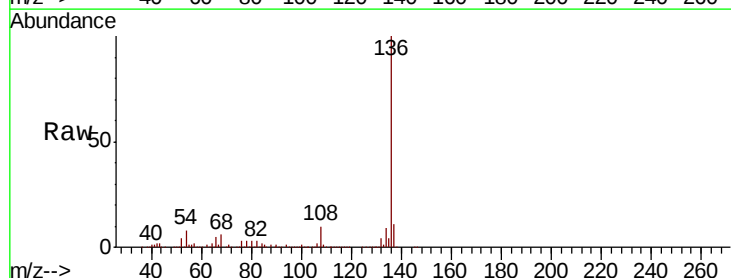
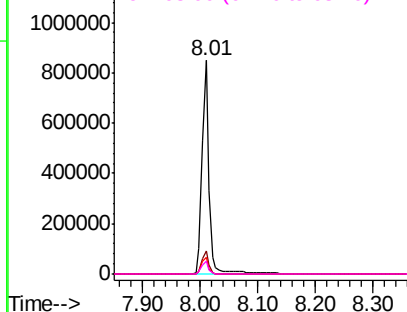
Delta R.T. -0.01 min

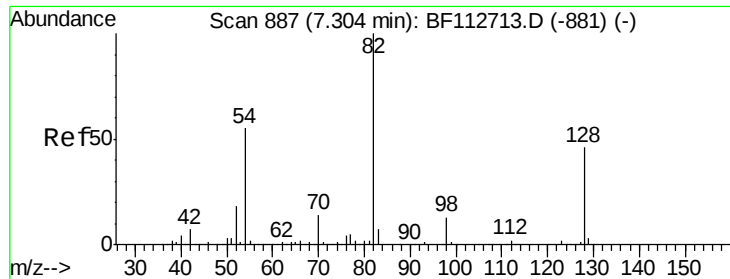
Lab File: BF113046.D

Acq: 13 Mar 2019 23:40

Tgt Ion:	136	Resp:	732227
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	7.3	10.9
68	5.8	5.4	8.2

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





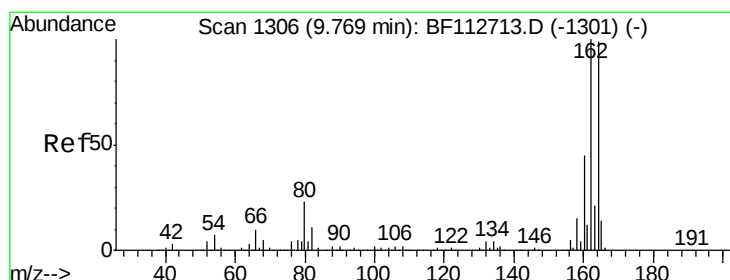
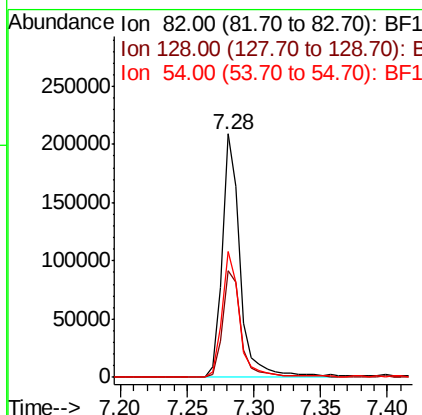
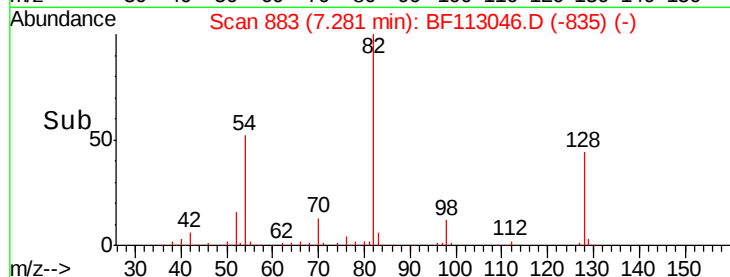
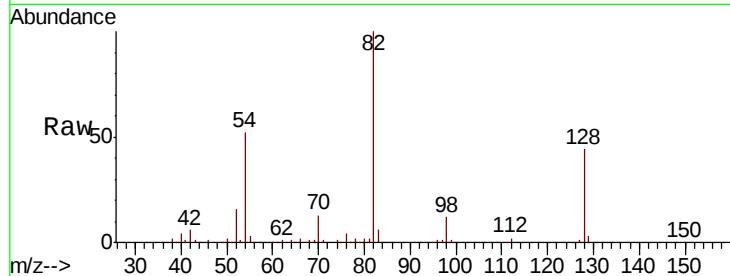
#23
Nitrobenzene-d5
Concen: 16.415 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.3	54.5
54	51.8	43.7	65.5

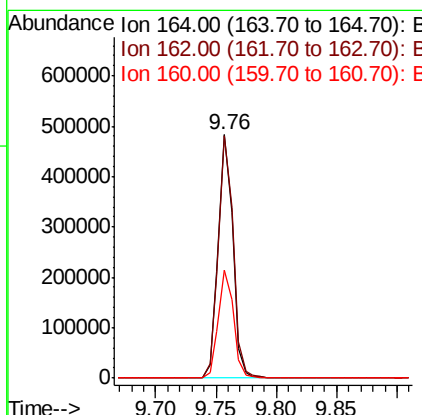
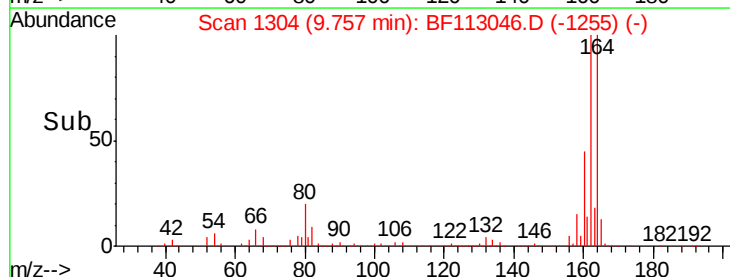
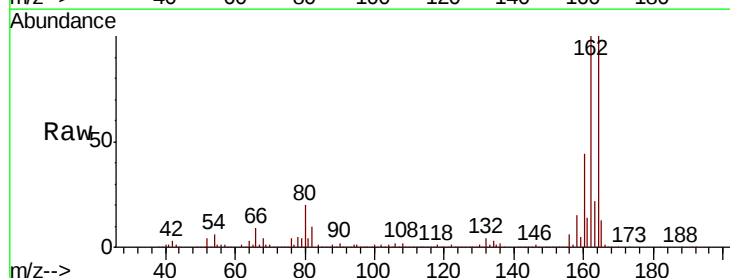
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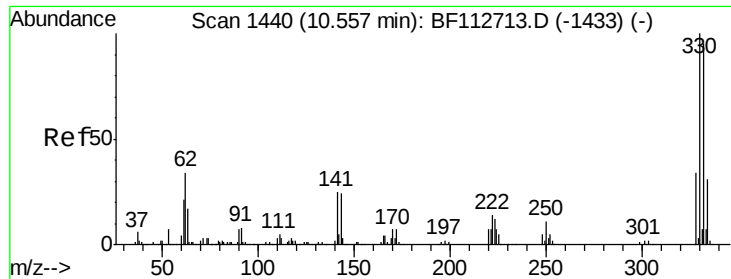
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.3	36.0	54.0





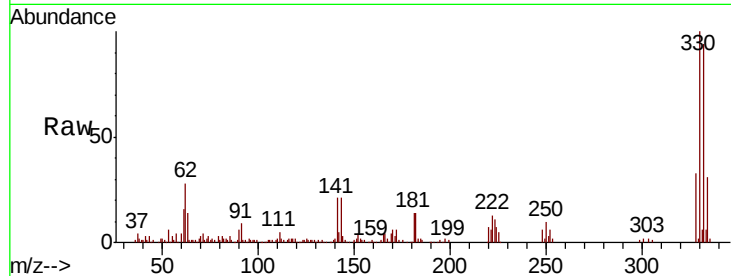
#42
 2,4,6-Tribromophenol
 Concen: 31.205 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031219-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	132648		
332	95.8	76.2	114.4	
141	28.8	27.0	40.6	

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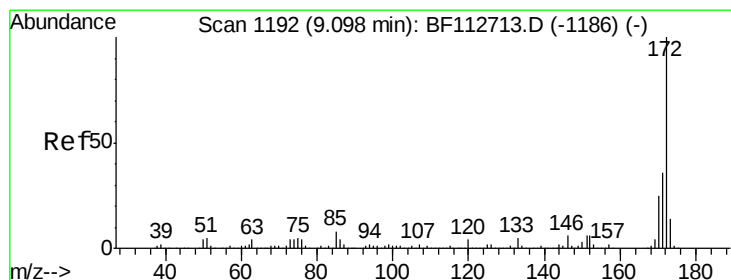
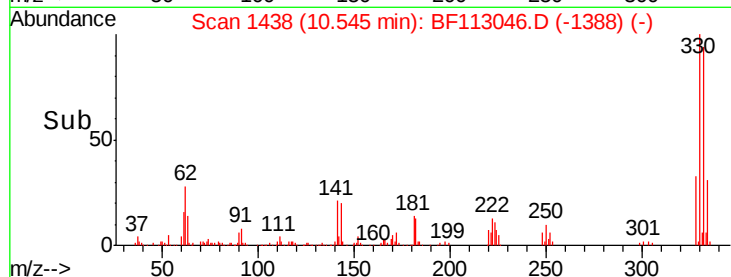
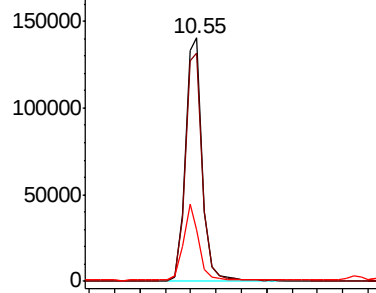


Abundance

Ion 329.80 (329.50 to 330.50): E

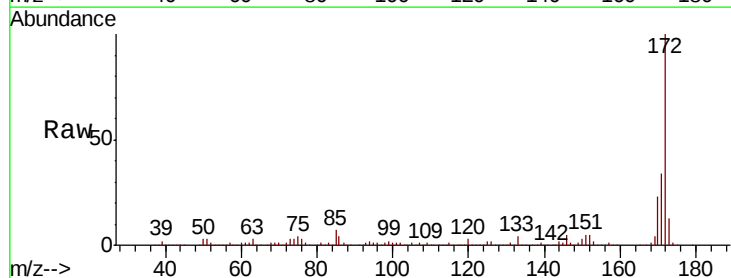
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 16.663 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	517802		
171	34.1	29.0	43.4	
170	23.1	20.0	30.0	

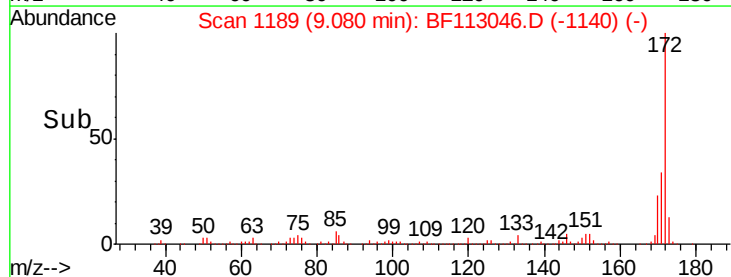
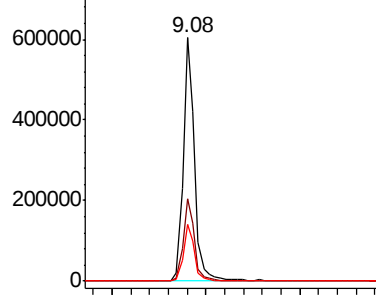


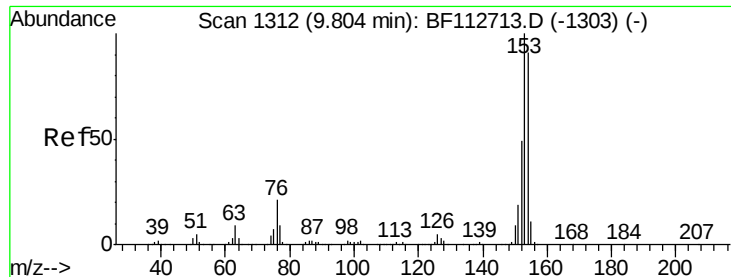
Abundance

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





#52

Acenaphthene

Concen: 3.284 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 23:40

Instrument :

BNA_F

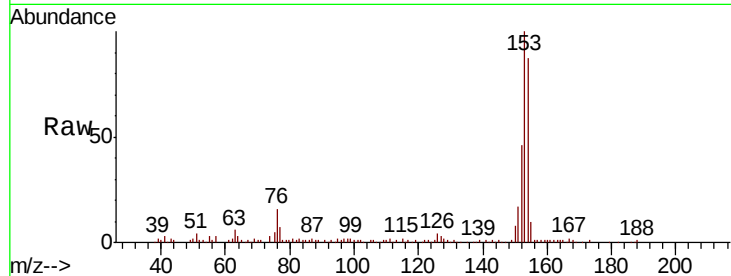
ClientSampleId :

OR-02-031219-A

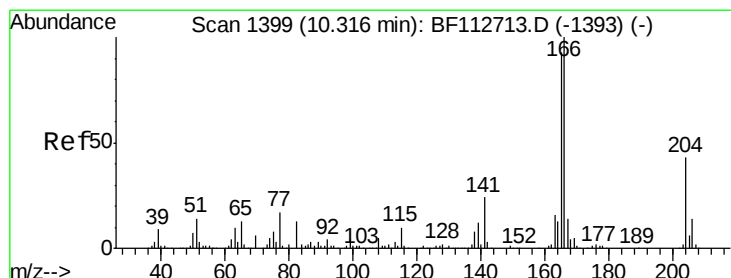
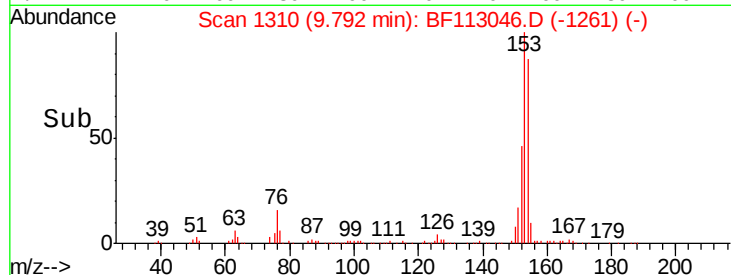
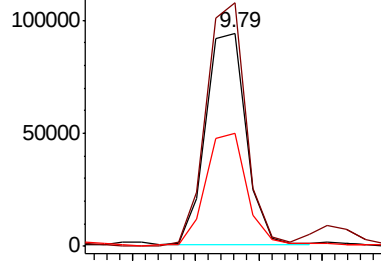
Tot Ion:	154	Resp:	83134
Ion Ratio	Lower	Upper	
154	100		
153	114.3	87.8	131.8
152	52.8	43.0	64.6

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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: 4.512 ng

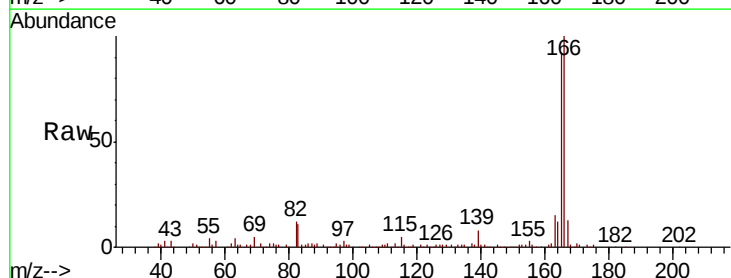
RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

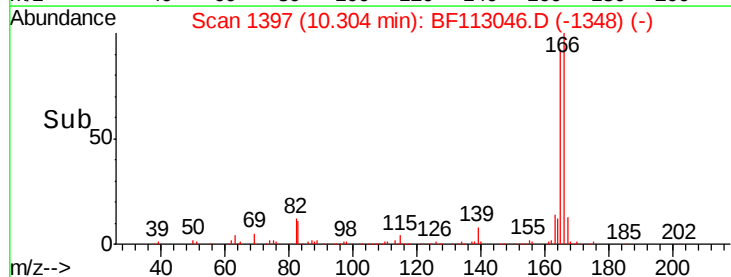
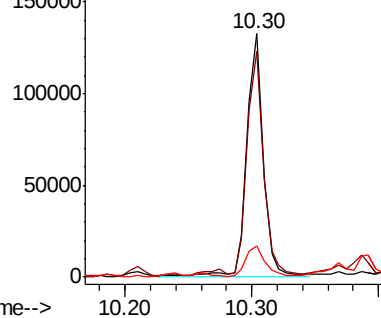
Lab File: BF113046.D

Acq: 13 Mar 2019 23:40

Tgt Ion:	166	Resp:	117846
Ion Ratio	Lower	Upper	
166	100		
165	92.5	74.7	112.1
167	13.0	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





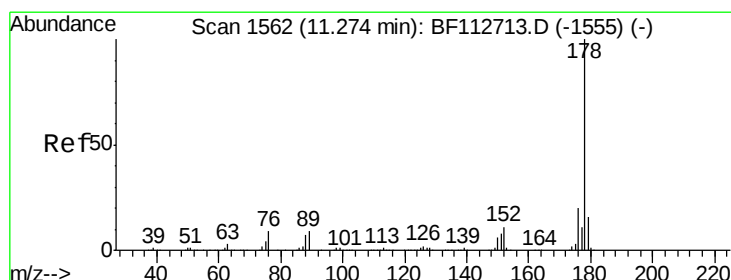
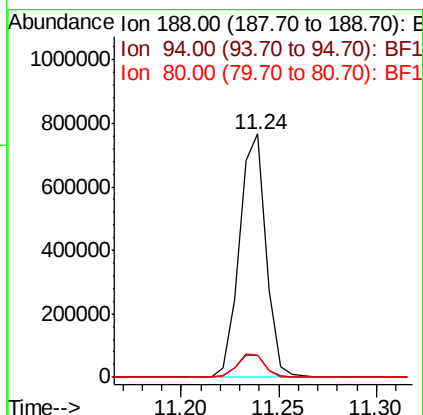
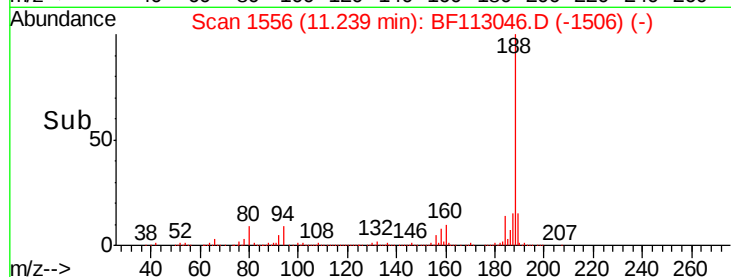
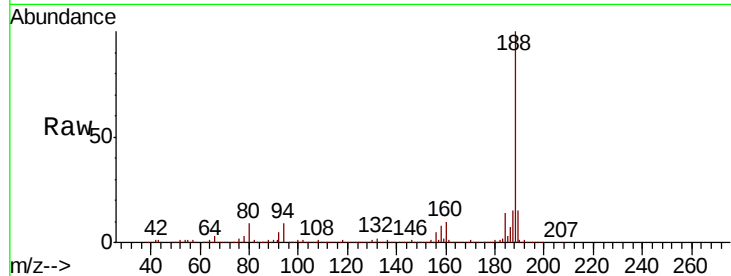
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
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Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.2	9.0	13.4
80	8.9	9.2	13.8

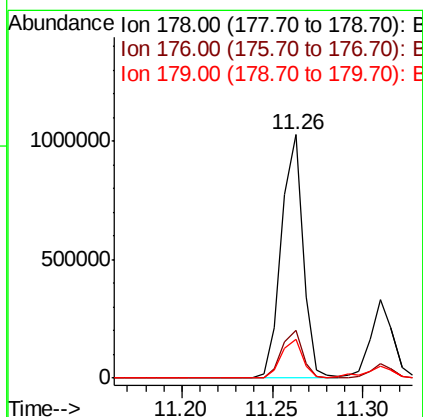
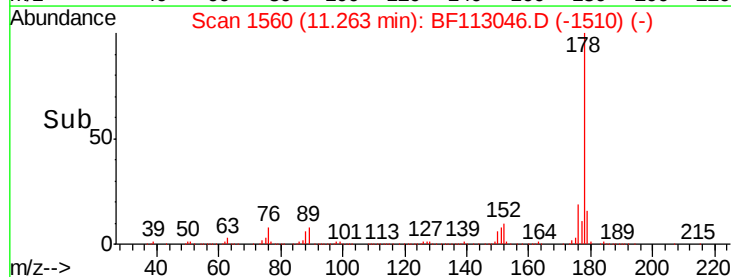
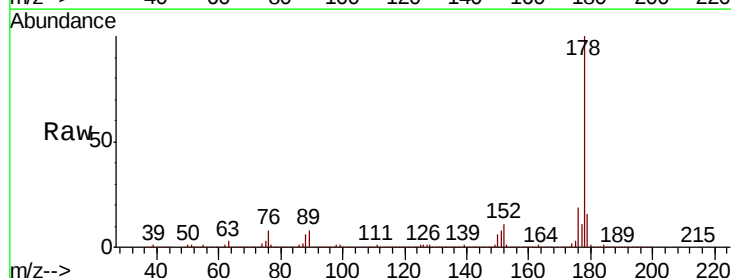
Manual Integrations
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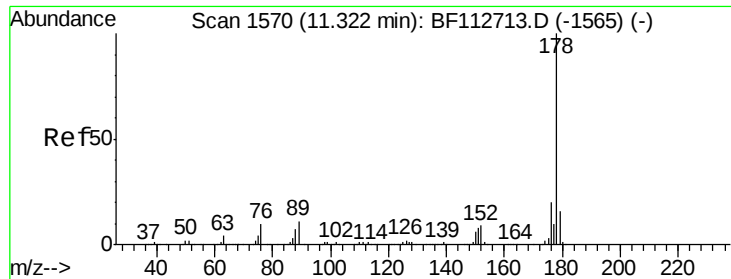
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#71
Phenanthrene
Concen: 23.686 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	16.3	24.5
179	15.7	12.7	19.1





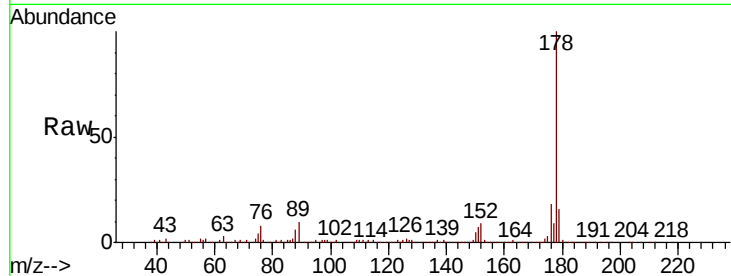
#72
 Anthracene
 Concen: 7.090 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	15.5	13.0	19.6

Manual Integrations
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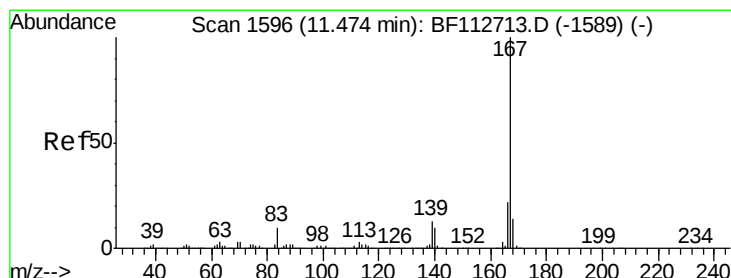
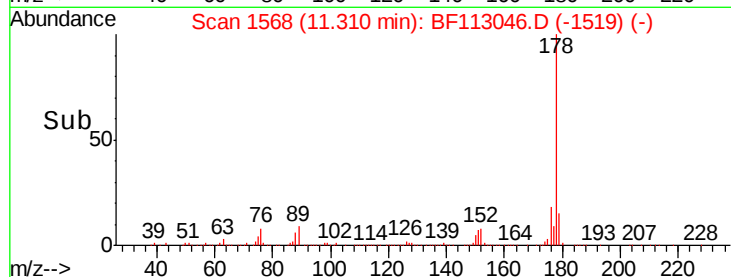
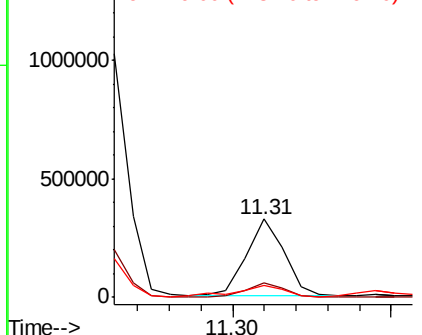


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
 Carbazole
 Concen: 3.082 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 23:40

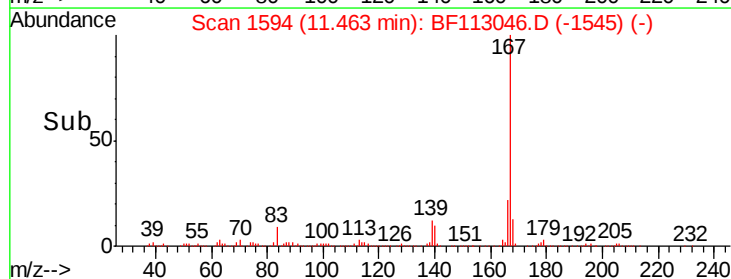
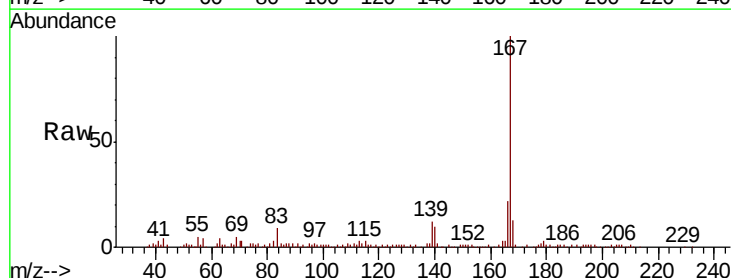
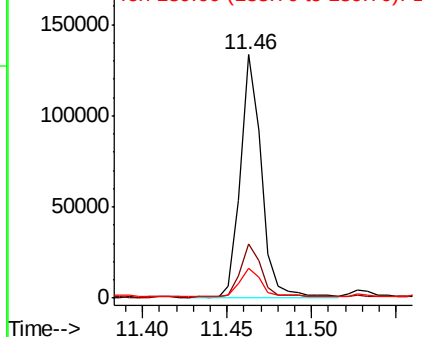
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	12.5	10.8	16.2

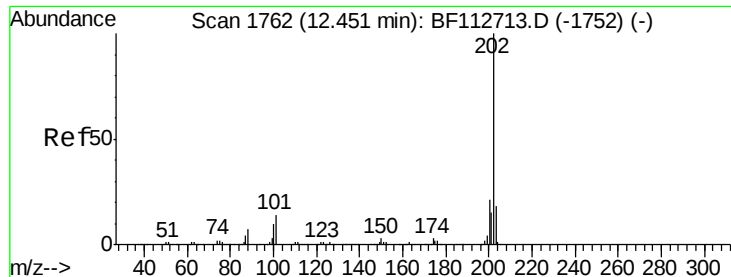
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 30.326 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 23:40

Instrument :

BNA_F

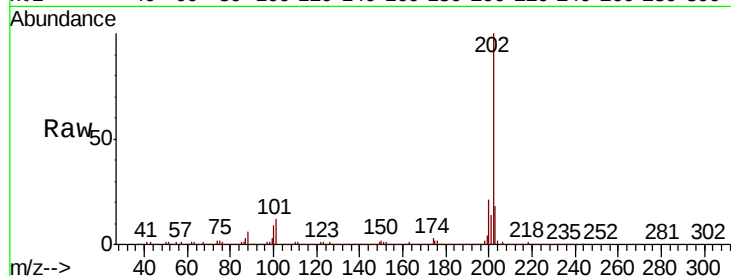
ClientSampleId :

OR-02-031219-A

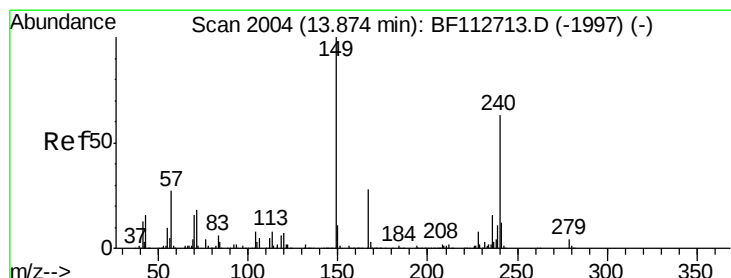
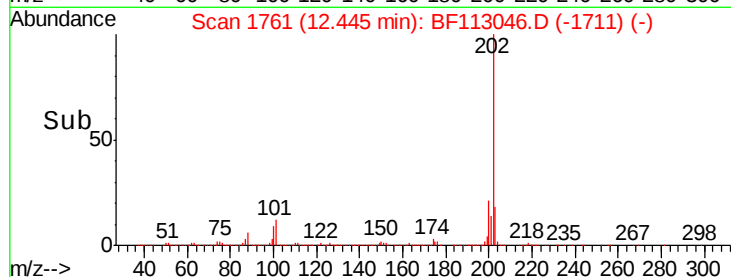
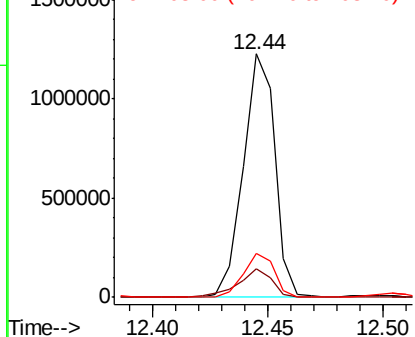
Tot Ion:	202	Resp:	1171713
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.8
203	18.1	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

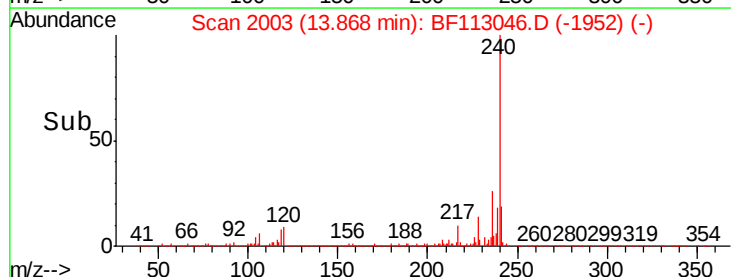
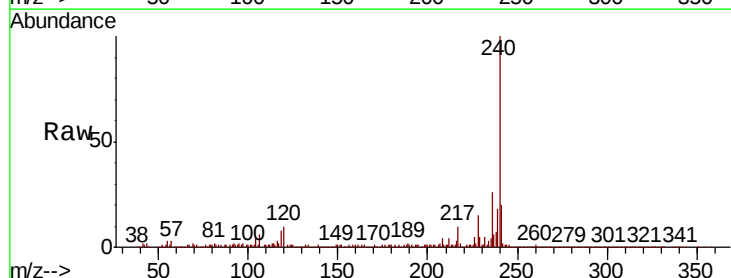
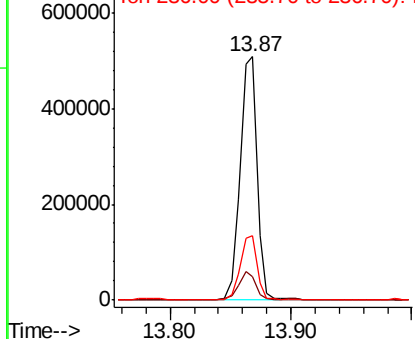
Delta R.T. -0.00 min

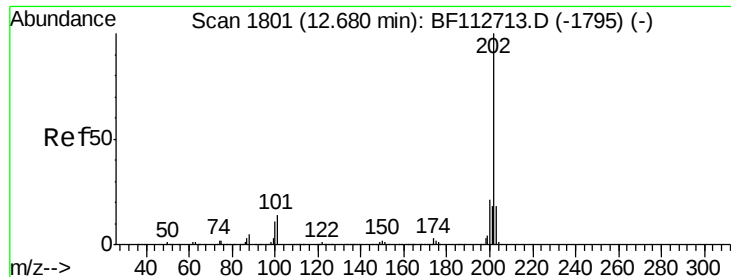
Lab File: BF113046.D

Acq: 13 Mar 2019 23:40

Tgt Ion:	240	Resp:	499471
Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	26.3	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





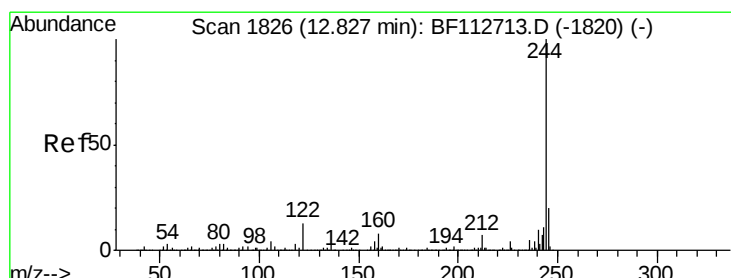
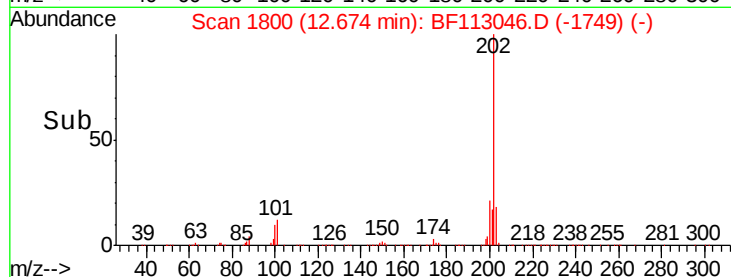
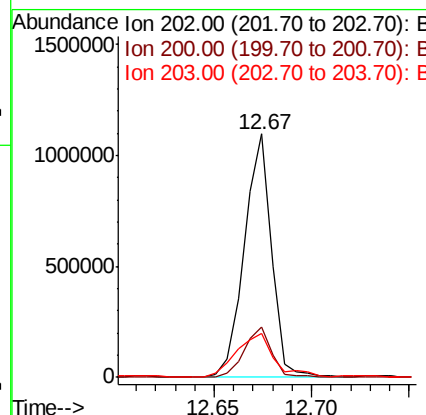
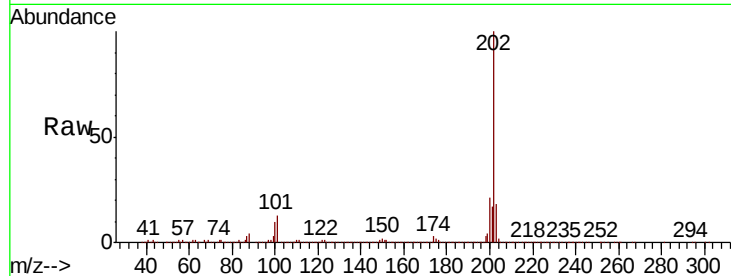
#78
Pvrene
Concen: 25.054 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	18.3	14.4	21.6

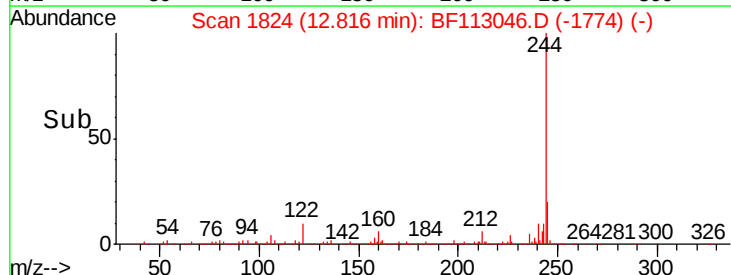
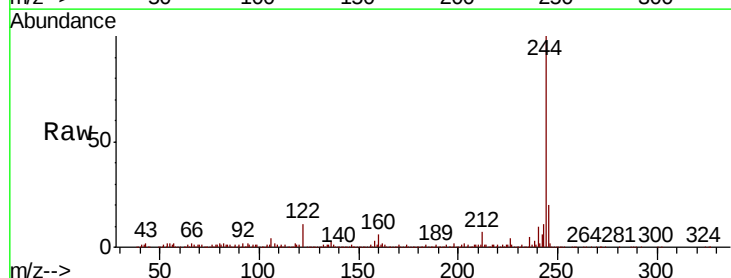
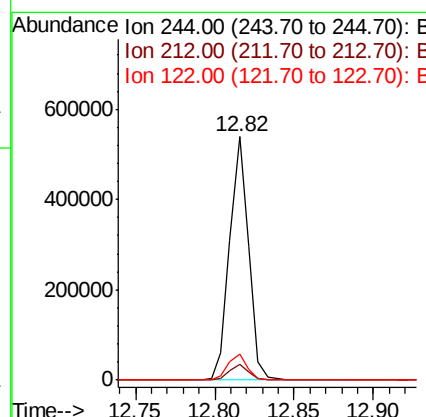
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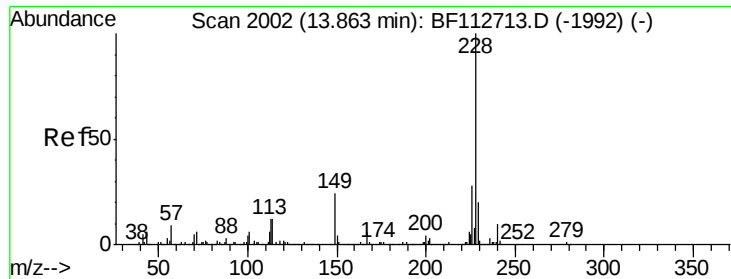
Sohil
3/14/2019 10:50:20 AM



#79
Terphenyl-d14
Concen: 17.338 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.6	10.5	15.7





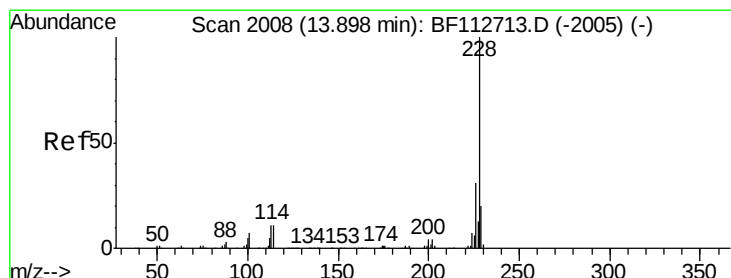
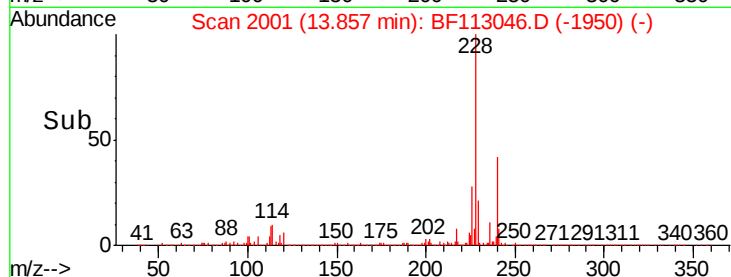
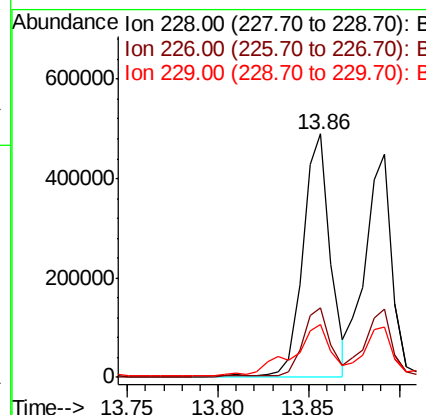
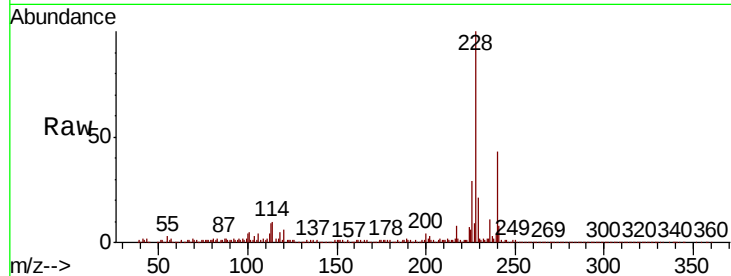
#81
Benzo(a)anthracene
Concen: 14.925 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.4
229	21.5	16.0	24.0

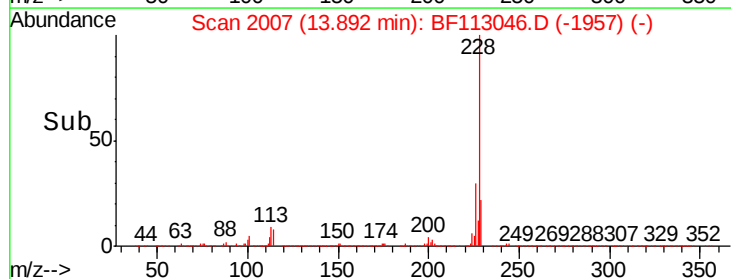
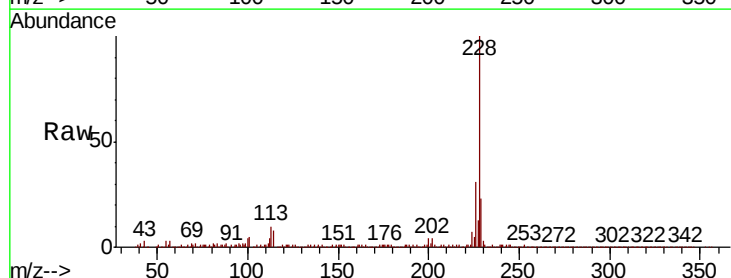
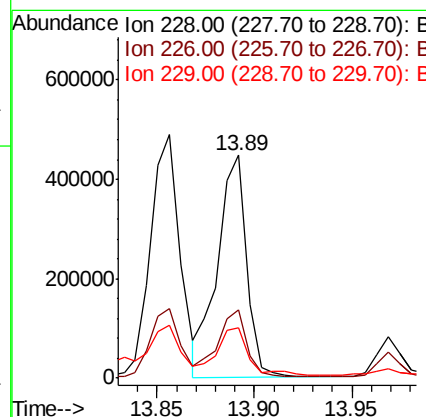
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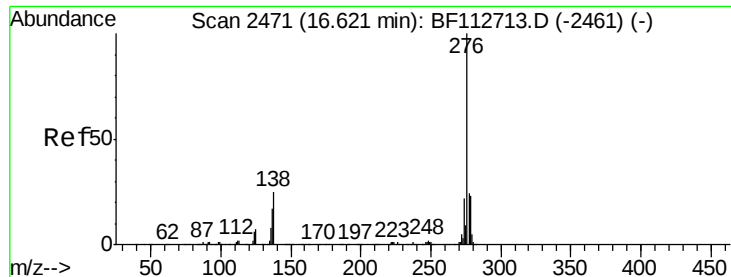
Sohil
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#83
Chrysene
Concen: 13.769 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.6	16.3	24.5





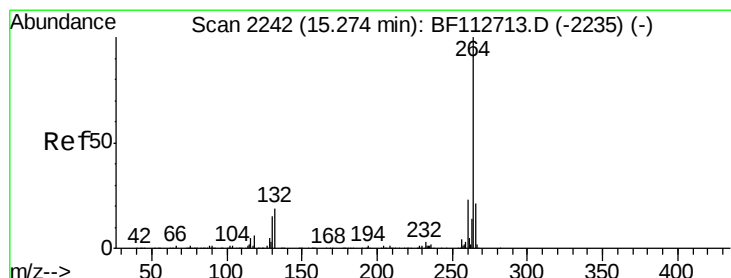
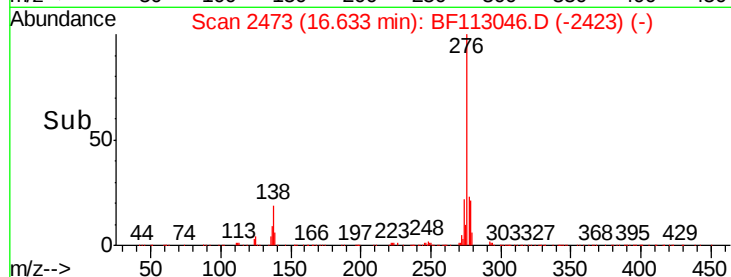
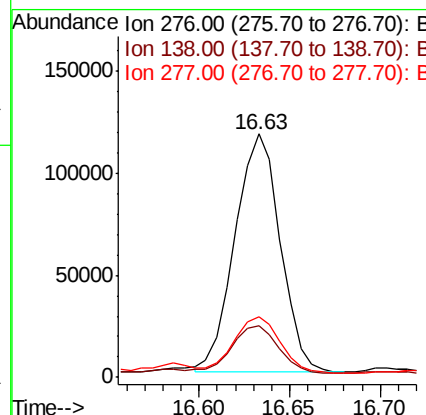
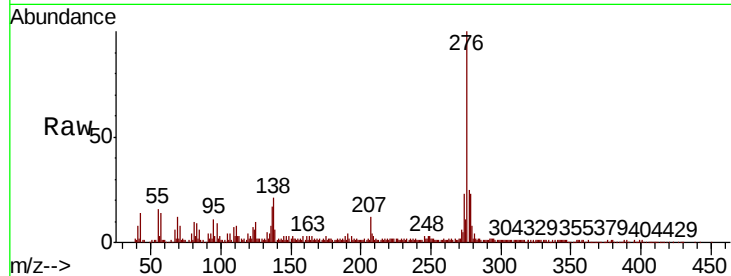
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.031 ng/ml
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.3	23.2	34.8#
277	5.0	19.9	29.9#

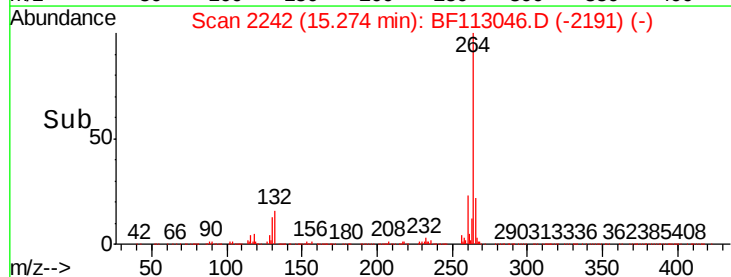
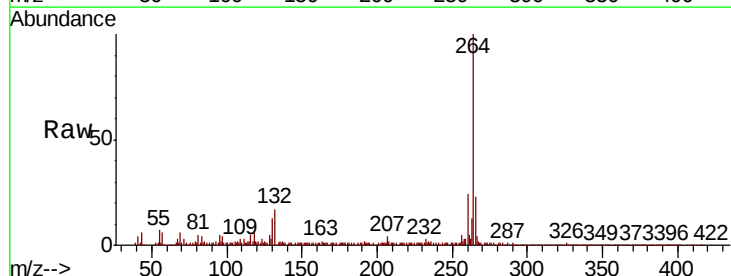
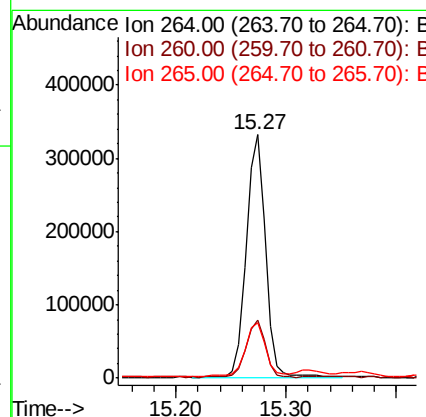
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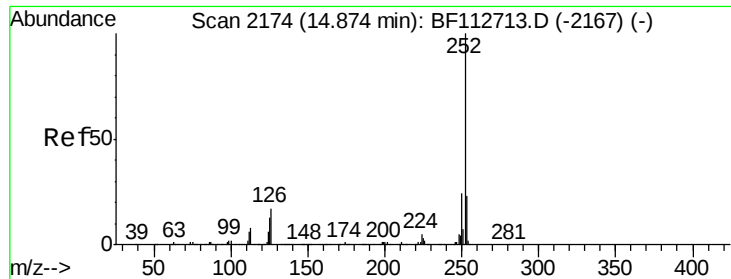
Sohil
3/14/2019 10:50:20 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.6	17.2	25.8





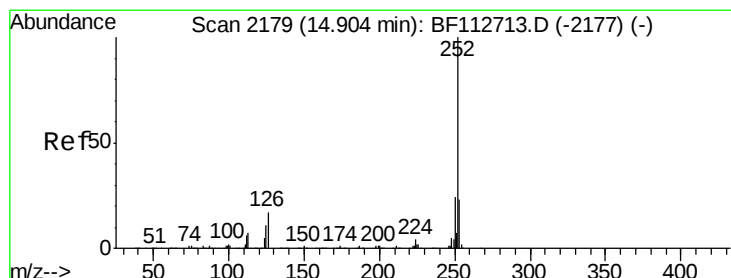
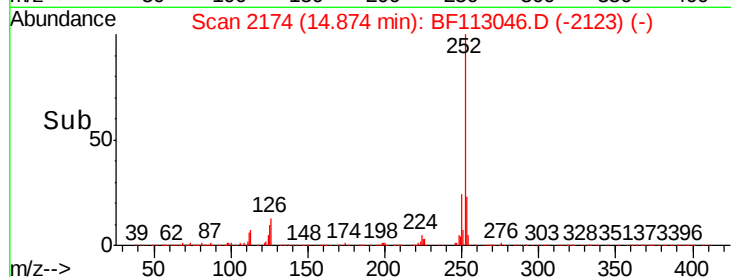
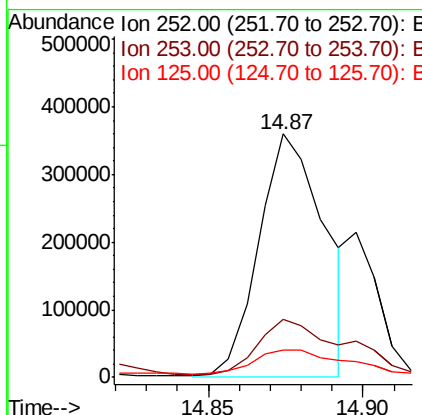
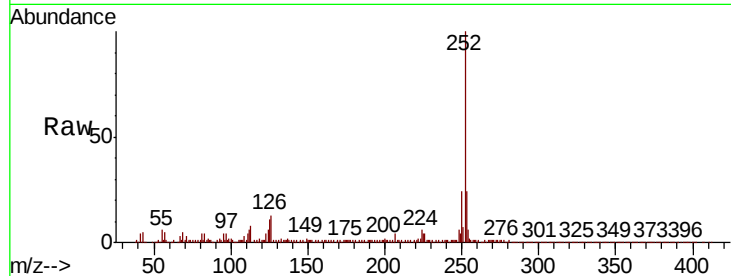
#88
Benzo(b)fluoranthene
Concen: 20.230 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.4	10.2	15.2

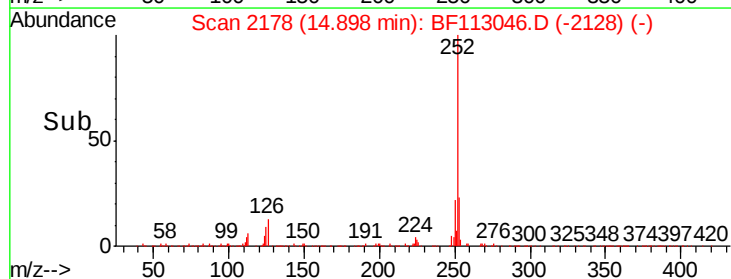
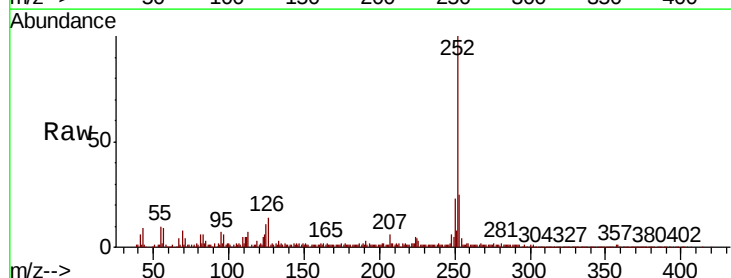
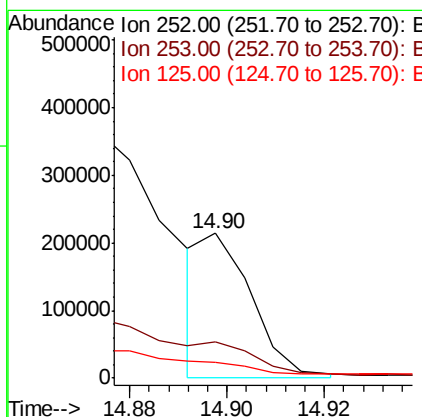
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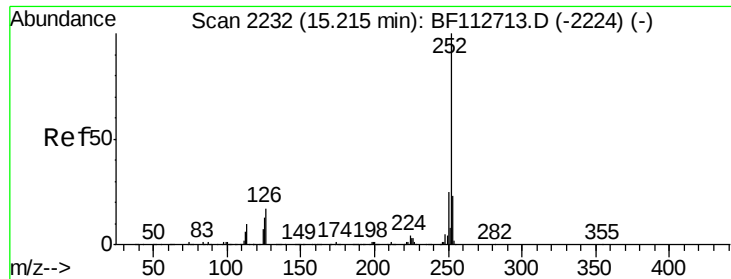
Sohil
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#89
Benzo(k)fluoranthene
Concen: 6.307 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	11.1	9.8	14.6





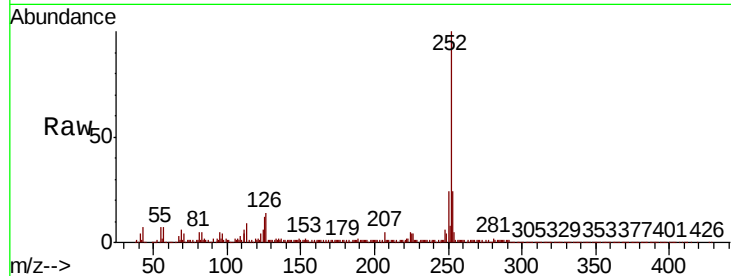
#90
Benzo(a)pyrene
Concen: 15.984 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Instrument :
BNA_F
ClientSampleId :
OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.0	10.7	16.1

Manual Integrations
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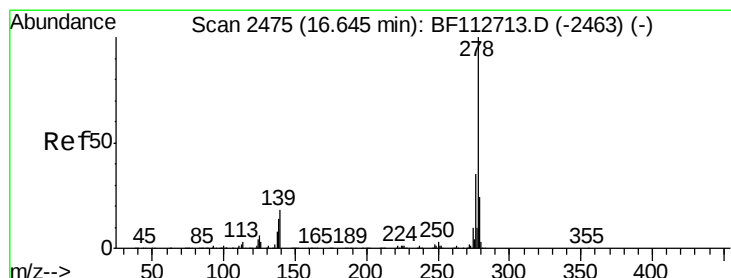
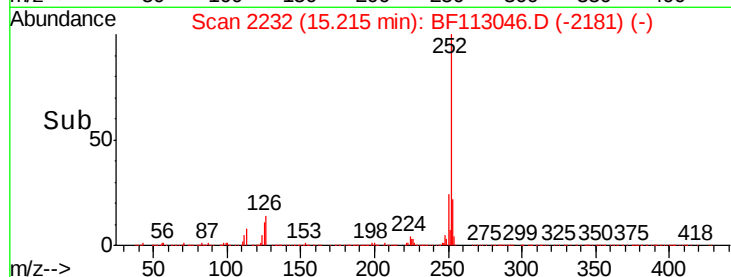
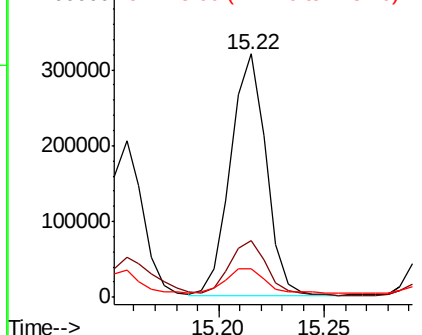


Abundance

Ion 252.00 (251.70 to 252.70): E

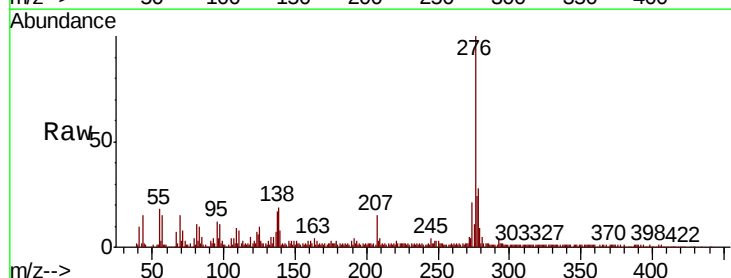
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 2.711 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 23:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.1	14.3	21.5#
279	33.0	19.4	29.0#

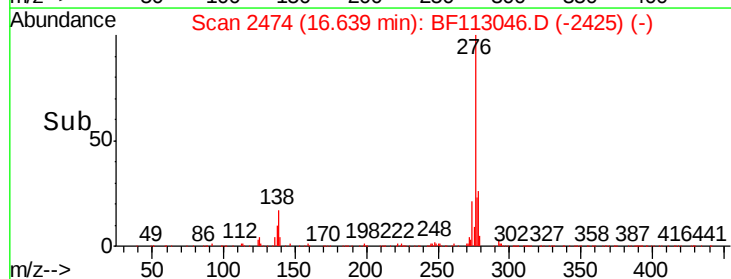
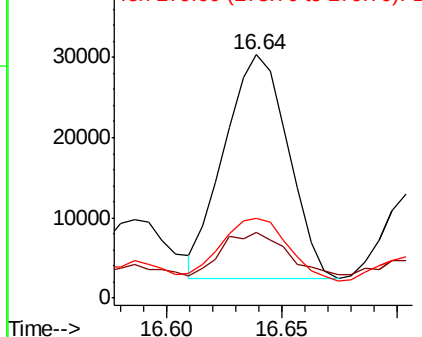


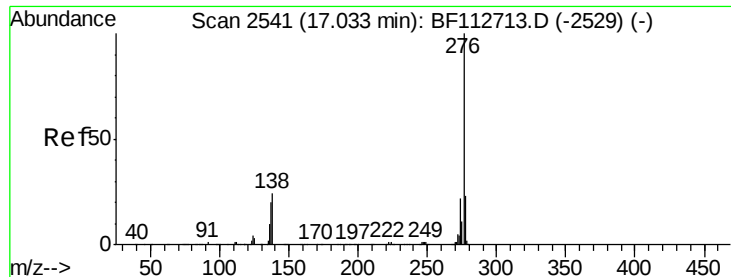
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 9.643 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031219-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	27.8
138	21.7	19.4	29.0

Manual Integrations
 APPROVED

Sohil
 3/14/2019 10:50:20 AM

