

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
 Data File : BF113061.D
 Acq On : 15 Mar 2019 13:07
 Operator : JU/SJ
 Sample : K1905-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5124

Manual Integrations
 APPROVED

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 3/18/2019 2:59:26 PM

Quant Time: Mar 15 23:04:49 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	164245	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	641772	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	311688	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	640459	20.00	ng	0.00
76) Chrysene-d12	13.86	240	609631	20.00	ng	0.00
87) Perylene-d12	15.27	264	583258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1122016	106.26	ng	0.00
7) Phenol-d6	6.37	99	1527081	115.13	ng	0.00
23) Nitrobenzene-d5	7.29	82	888275	82.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	475777	143.78	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1524524	79.72	ng	0.00
79) Terphenyl-d14	12.82	244	1741626	55.38	ng	0.00
Target Compounds						
10) Phenol	6.39	94	31640	2.044	ng	96
50) Dimethylphthalate	9.47	163	129647	5.641	ng	# 98
71) Phenanthrene	11.26	178	112875	3.542	ng	# 94
75) Fluoranthene	12.44	202	380327	11.140	ng	95
78) Pyrene	12.67	202	314727	6.124	ng	100
81) Benzo(a)anthracene	13.85	228	127936	3.028	ng	96
83) Chrysene	13.89	228	171542	4.145	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	106978	3.032	ng	# 90
88) Benzo(b)fluoranthene	14.87	252	253638m	6.723	ng	
89) Benzo(k)fluoranthene	14.89	252	69425m	2.032	ng	
90) Benzo(a)pyrene	15.21	252	134169	4.021	ng	98
92) Benzo(a,h,i)perylene	17.03	276	105093	3.675	ng	96

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

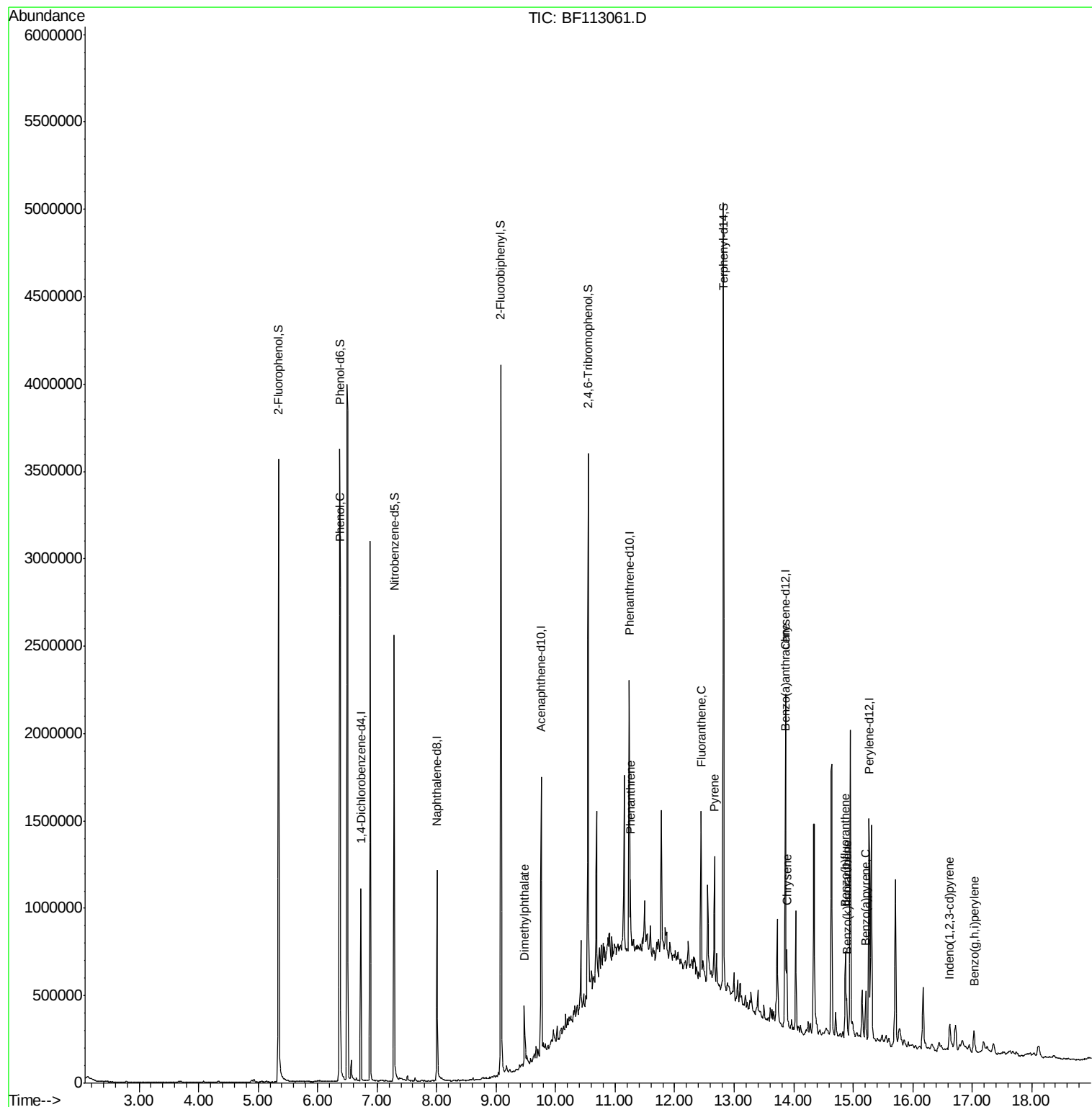
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113061.D
Acq On : 15 Mar 2019 13:07
Operator : JU/SJ
Sample : K1905-01
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#1

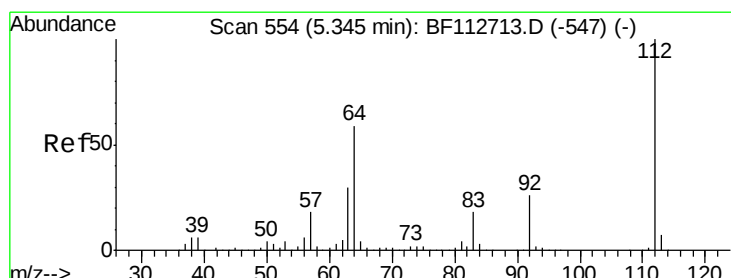
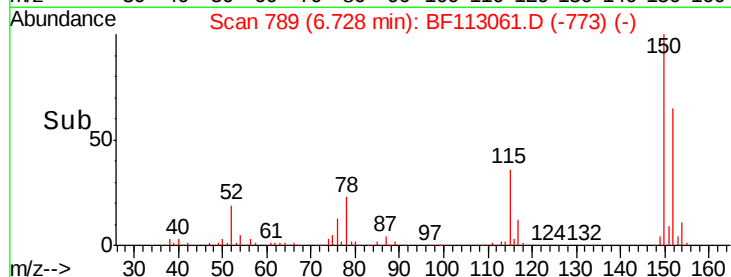
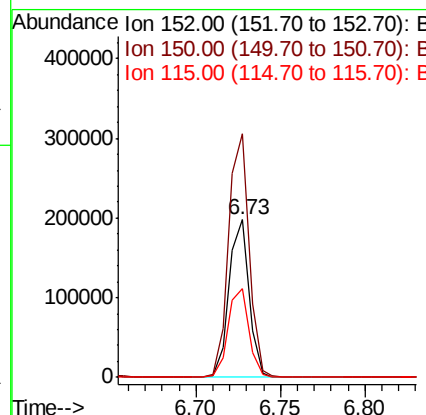
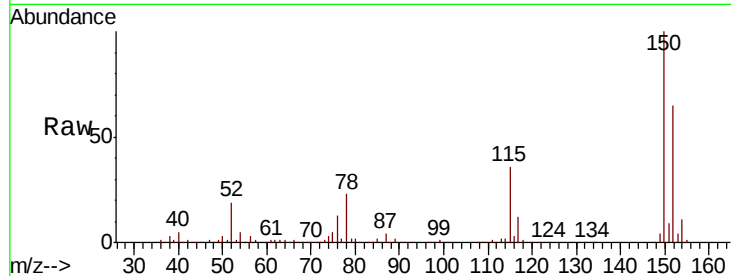
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
RT5124

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	55.9	48.2	72.4

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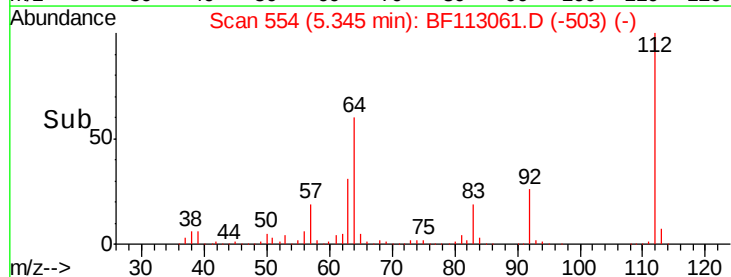
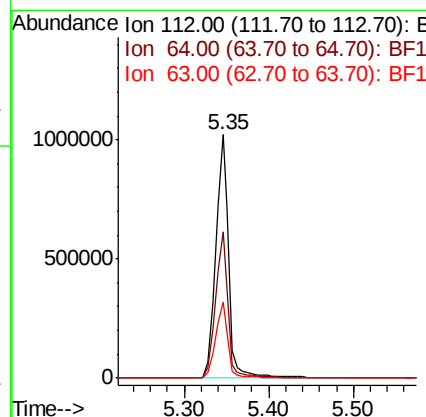
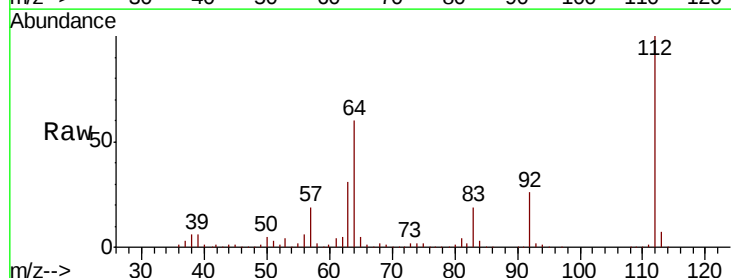
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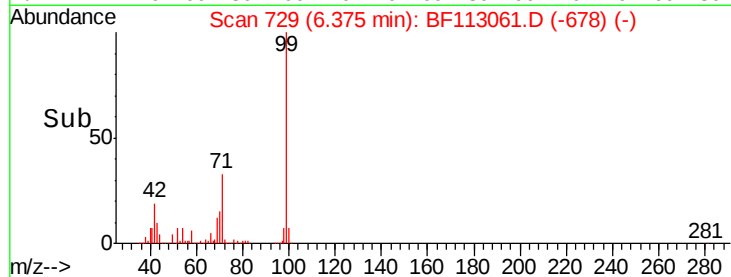
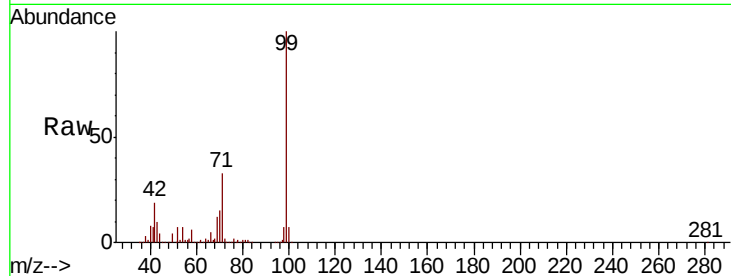
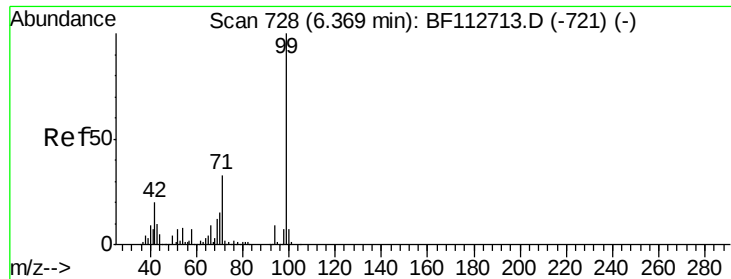


#5

2-Fluorophenol
Concen: 106.265 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.6	71.4
63	31.1	24.4	36.6





#7

Phenol-d6

Concen: 115.135 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Tot Ion: 99 Resp: 1527081

Ion Ratio Lower Upper

99 100

42 18.7 16.3 24.5

71 32.8 26.2 39.4

Instrument :

BNA_F

ClientSampleId :

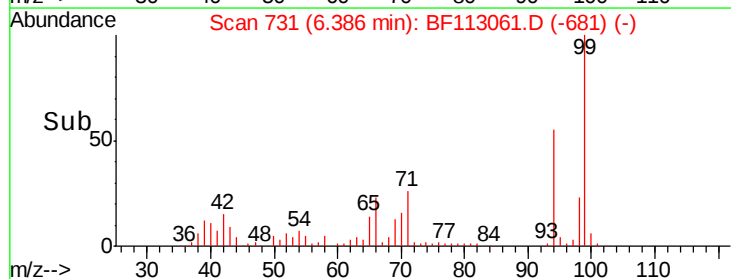
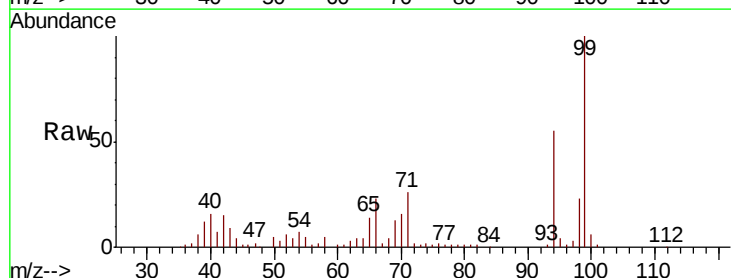
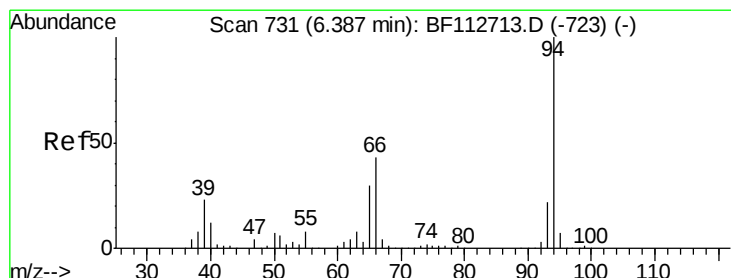
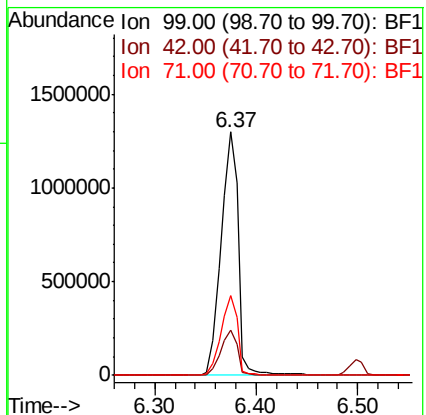
RT5124

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#10

Phenol

Concen: 2.044 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

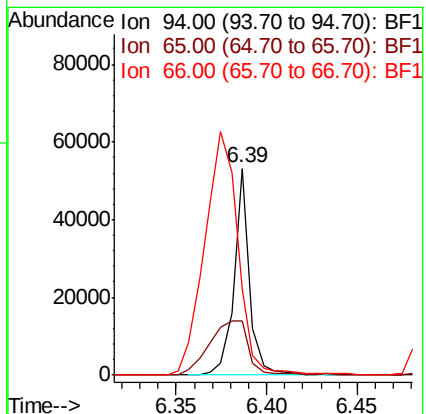
Tgt Ion: 94 Resp: 31640

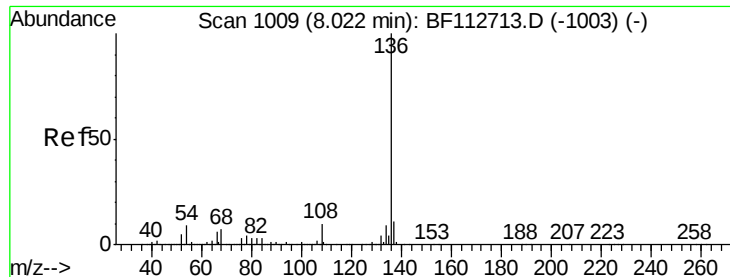
Ion Ratio Lower Upper

94 100

65 26.2 10.5 50.5

66 41.6 22.6 62.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

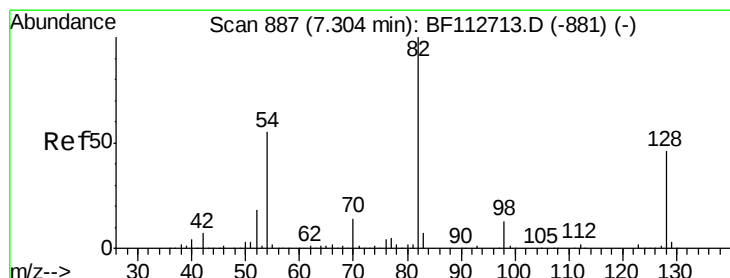
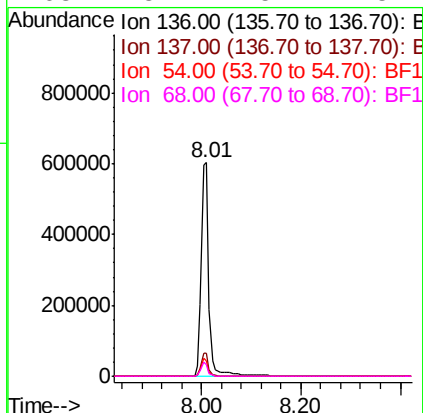
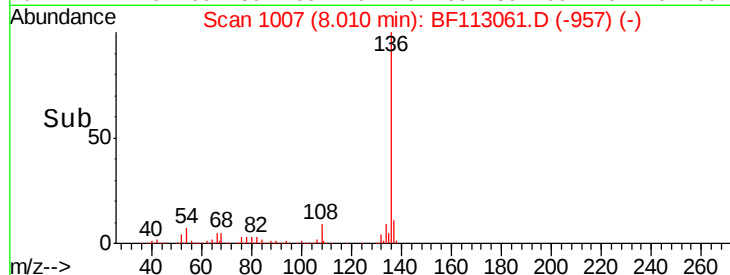
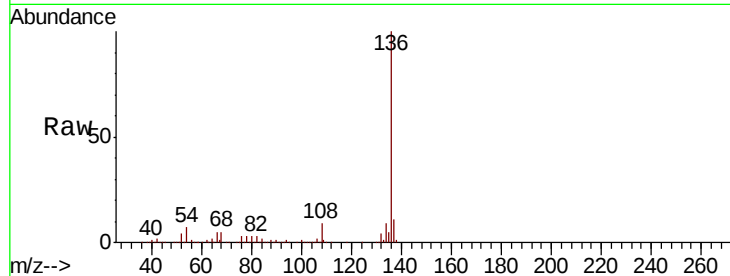
ClientSampleId :

RT5124

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		641772		
137	10.7		8.9	13.3	
54	7.3		7.3	10.9	
68	5.4		5.4	8.2	

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#23

Nitrobenzene-d5

Concen: 82.822 ng

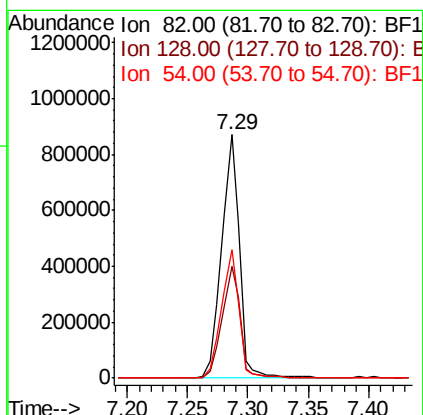
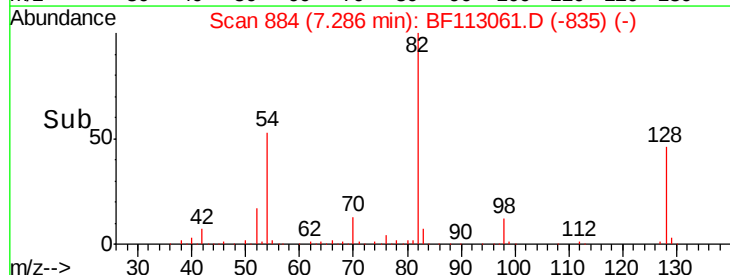
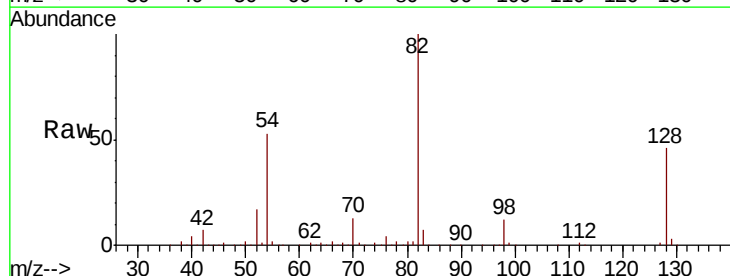
RT: 7.29 min Scan# 884

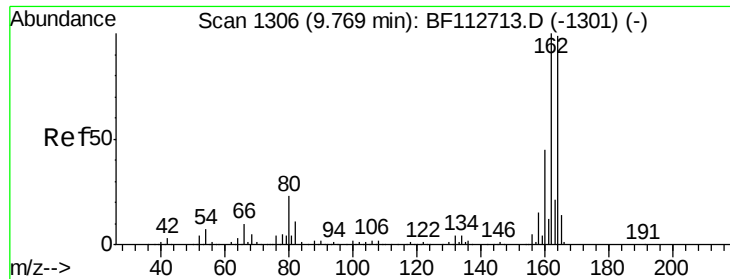
Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		888275		
128	45.7		36.3	54.5	
54	52.6		43.7	65.5	





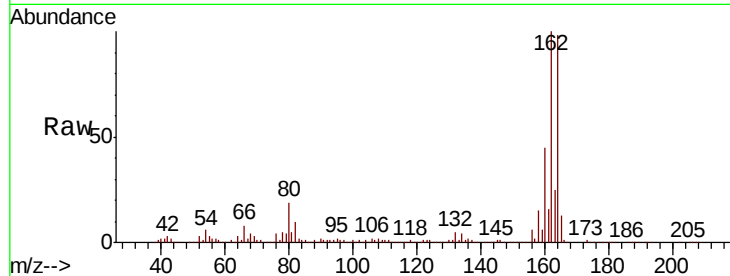
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleID :
 RT5124

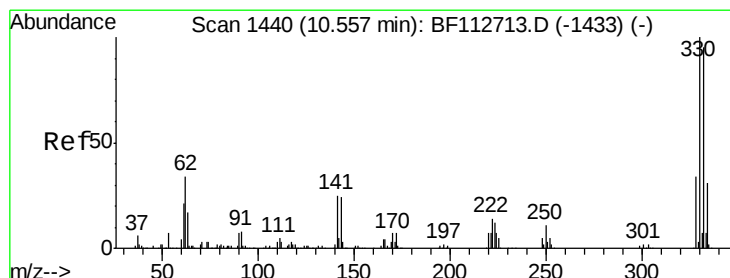
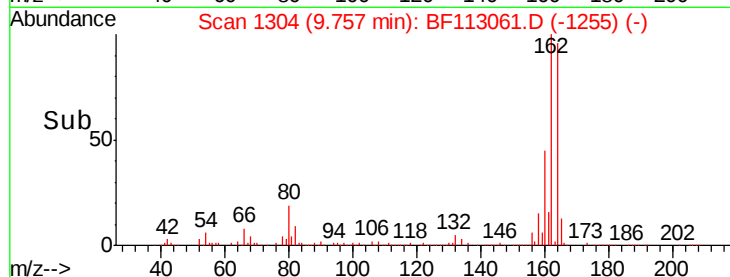
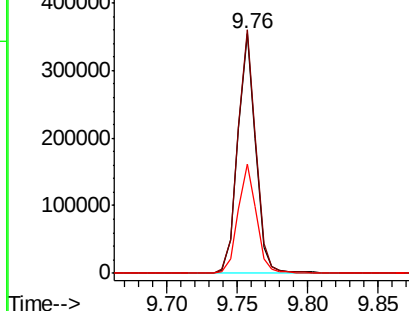
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	80.6	120.8	
160	45.7	36.0	54.0	

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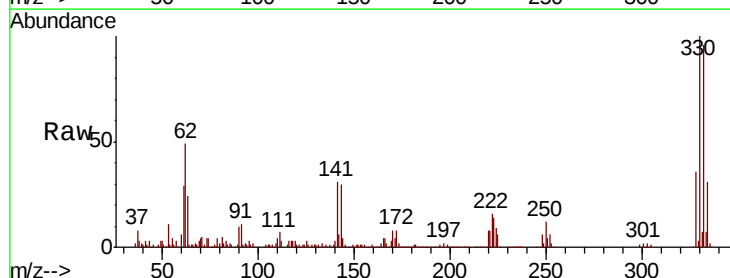


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

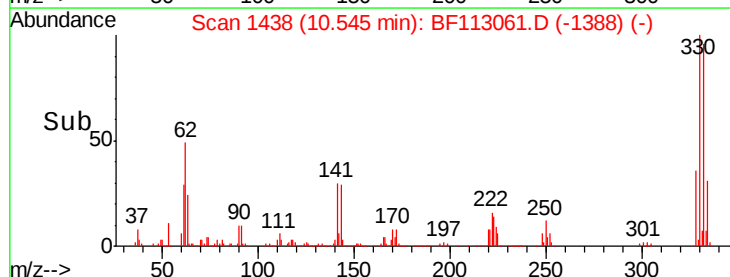
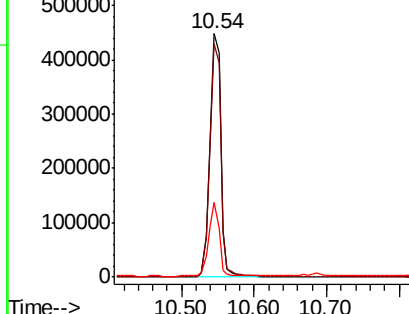


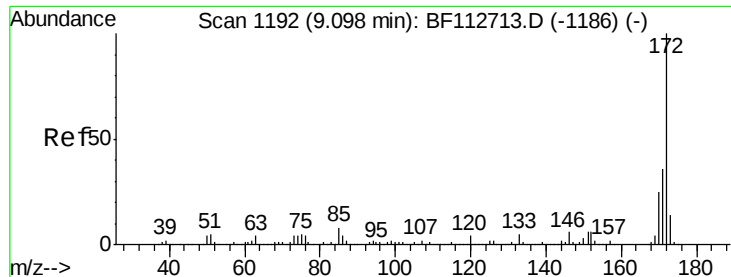
#42
 2,4,6-Tribromophenol
 Concen: 143.785 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113061.D
 Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.2	114.4	
141	28.9	27.0	40.6	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





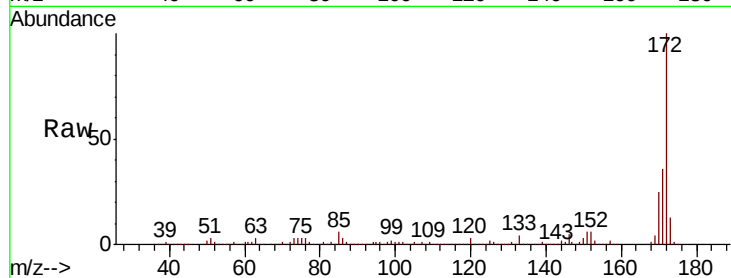
#45
2-Fluorobiphenyl
Concen: 79.718 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
RT5124

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	24.6	20.0	30.0

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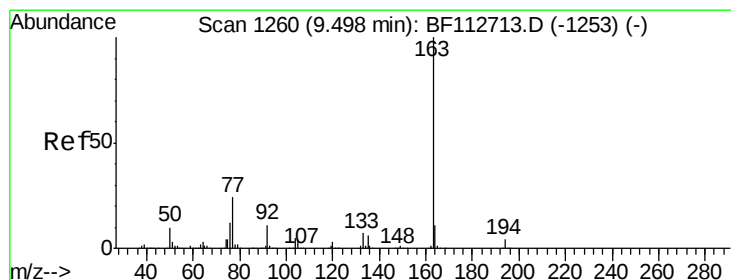
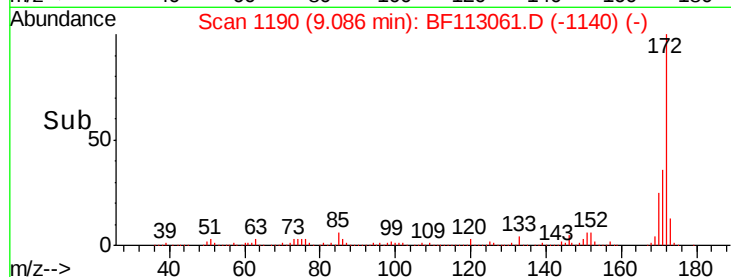
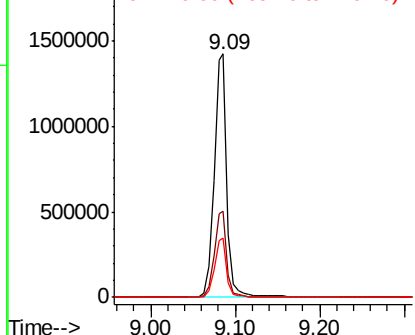


Abundance

Ion 172.00 (171.70 to 172.70): E

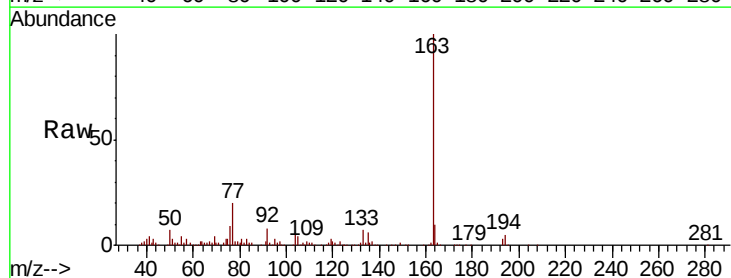
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.641 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.0	4.4#
164	9.9	8.4	12.6

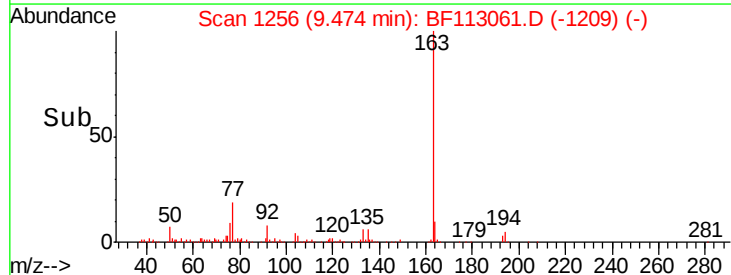
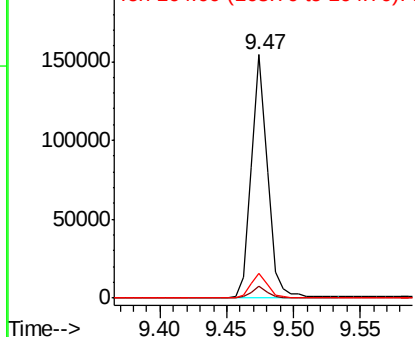


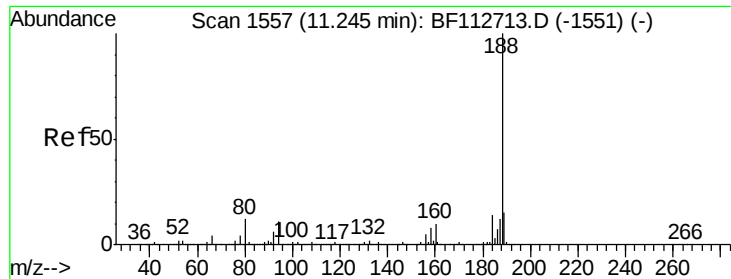
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

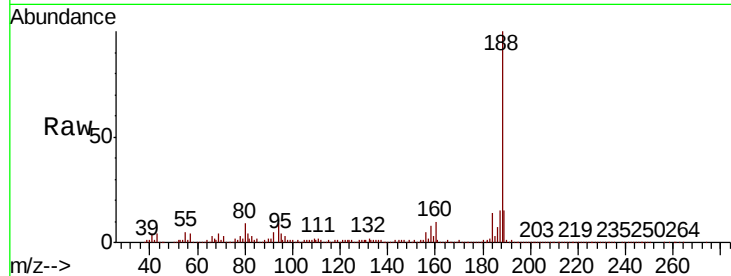
ClientSampleId :

RT5124

Tot Ion:	188	Resp:	640459
Ion Ratio	Lower	Upper	
188	100		
94	8.6	9.0	13.4#
80	9.1	9.2	13.8#

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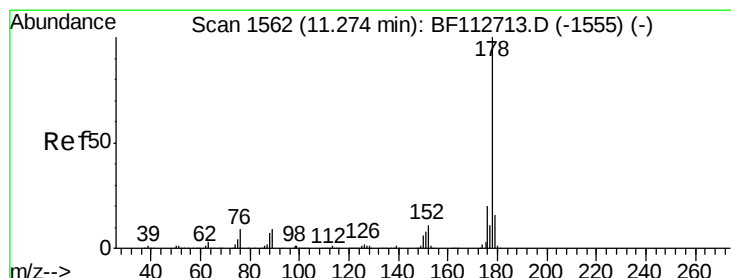
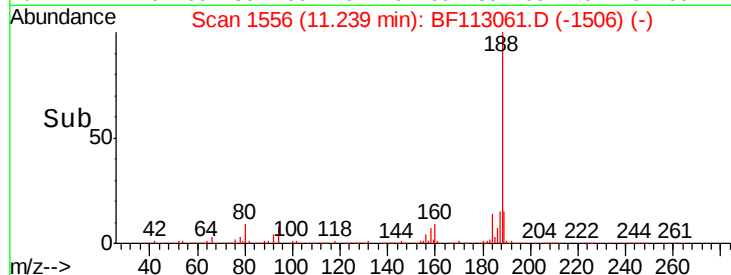
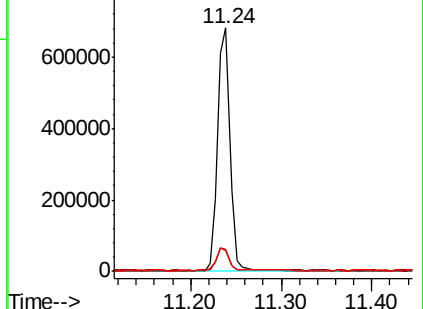
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.542 ng

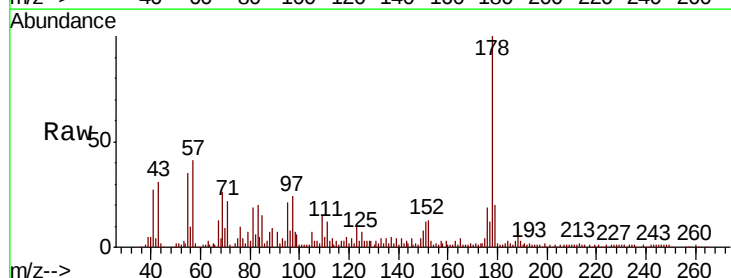
RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

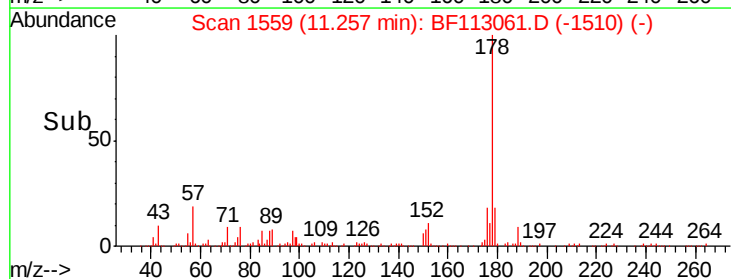
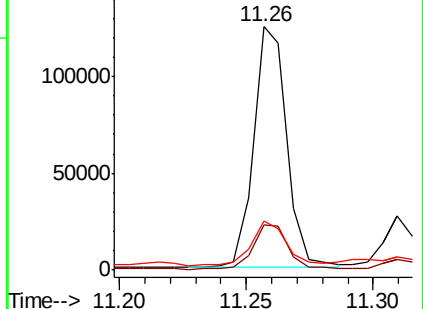
Tgt Ion:	178	Resp:	112875
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.3	24.5
179	19.9	12.7	19.1#

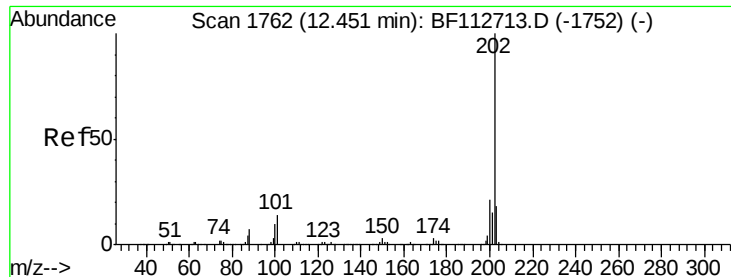


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.140 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

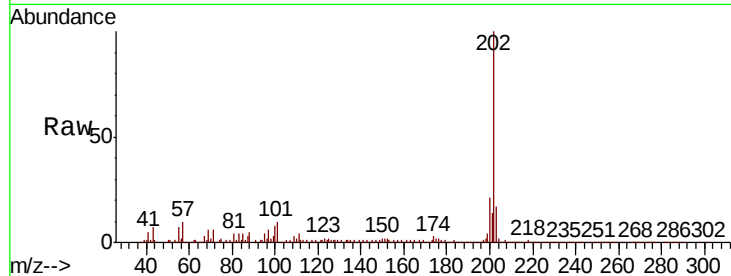
ClientSampled :

RT5124

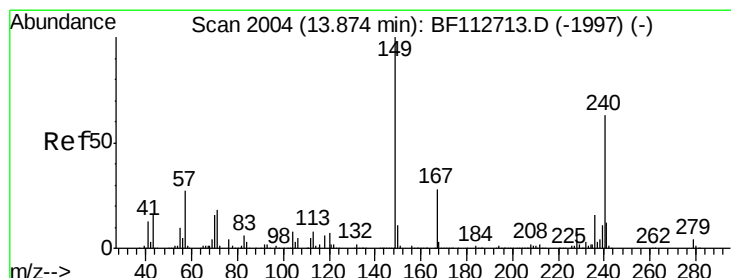
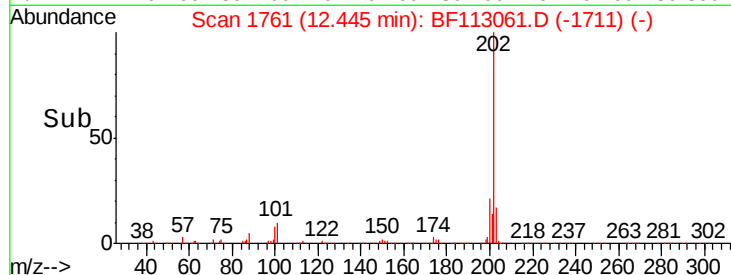
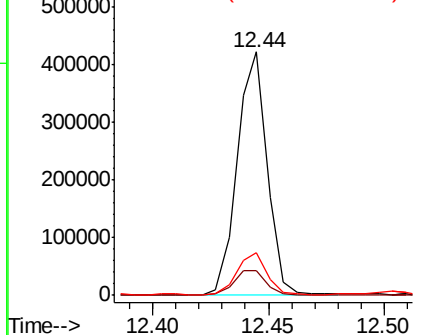
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		380327		
101	9.9	0.0	33.8		
203	17.4	0.0	38.4		

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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

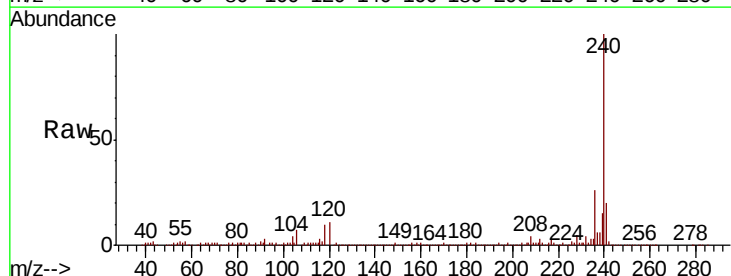
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

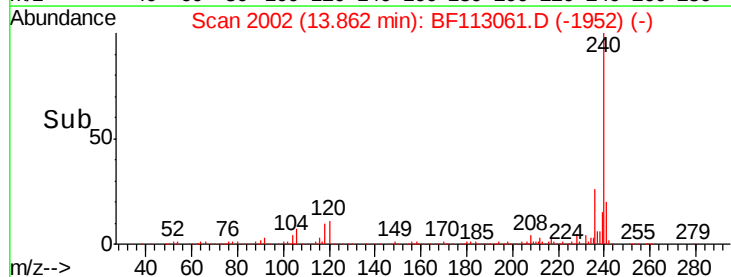
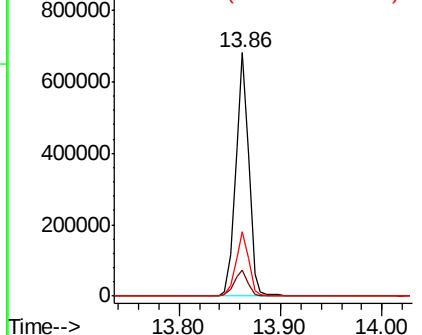
Lab File: BF113061.D

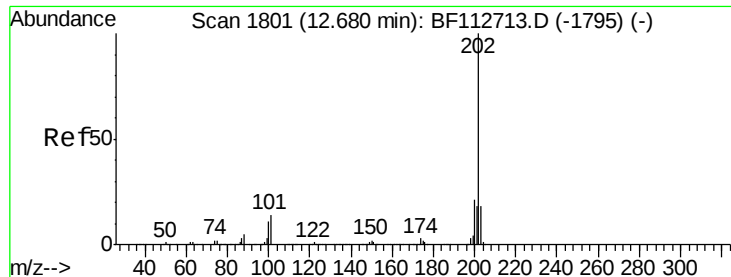
Acq: 15 Mar 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		609631		
120	10.7	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: 6.124 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Instrument :

BNA_F

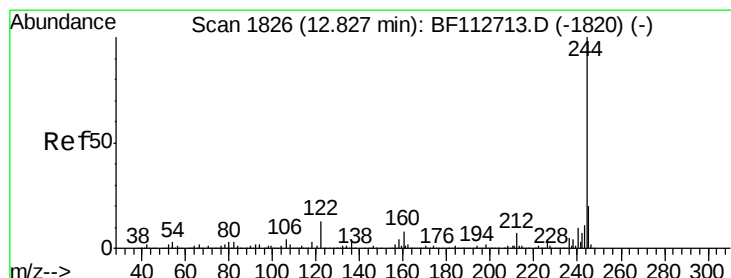
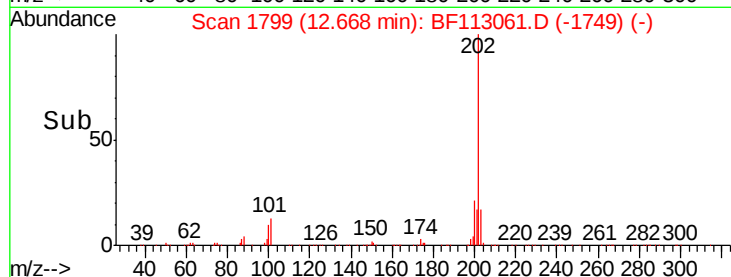
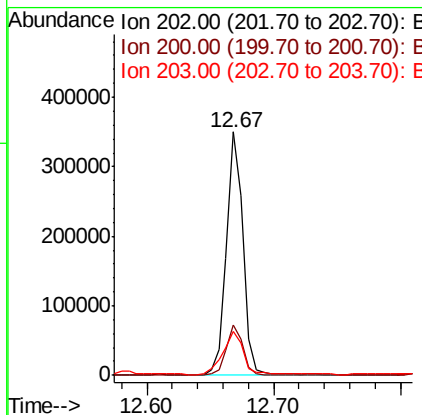
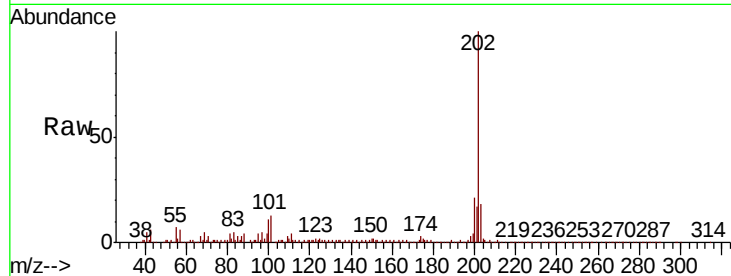
ClientSampleId :

RT5124

Tot Ion:	202	Resp:	314727
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.9	14.4	21.6

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3/18/2019 2:59:26 PM



#79

Terphenyl-d14

Concen: 55.380 ng

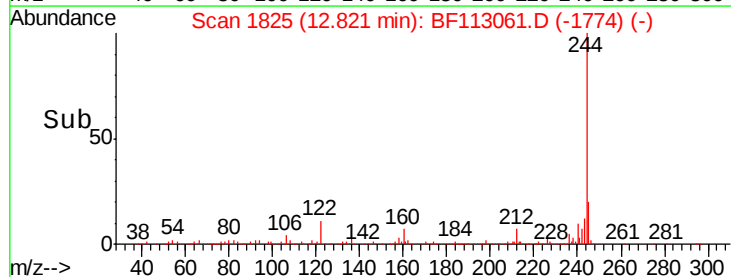
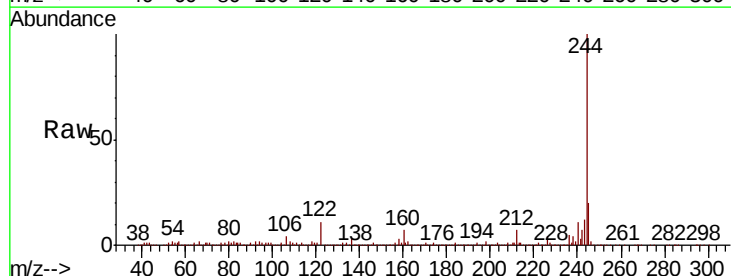
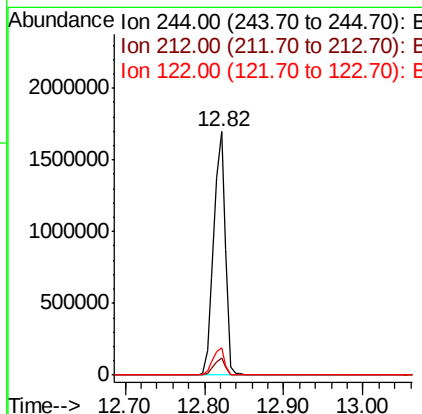
RT: 12.82 min Scan# 1825

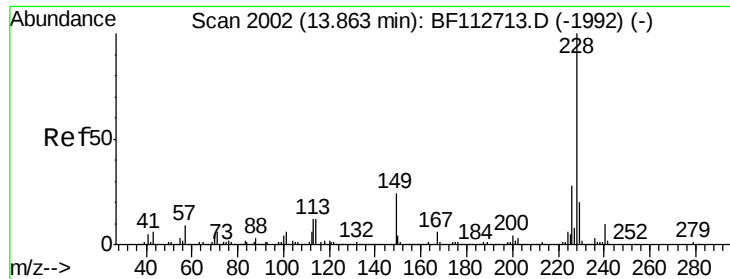
Delta R.T. -0.00 min

Lab File: BF113061.D

Acq: 15 Mar 2019 13:07

Tgt Ion:	244	Resp:	1741626
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.0	10.5	15.7





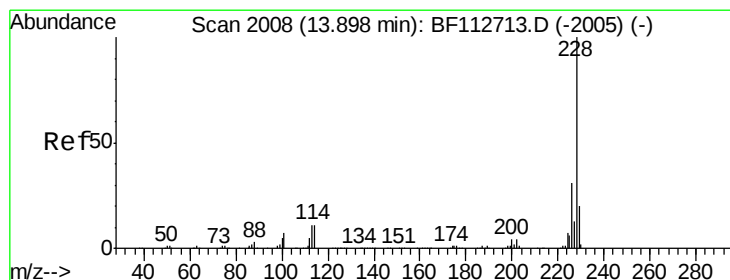
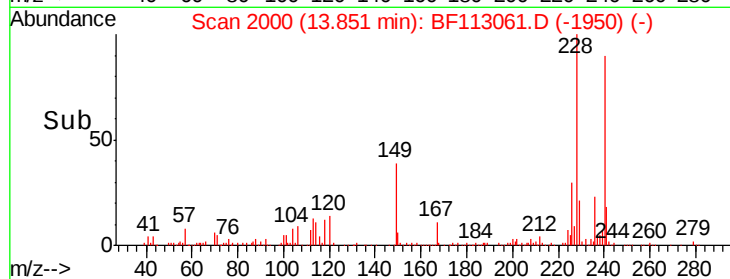
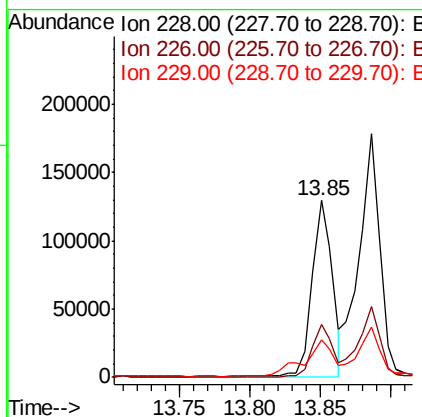
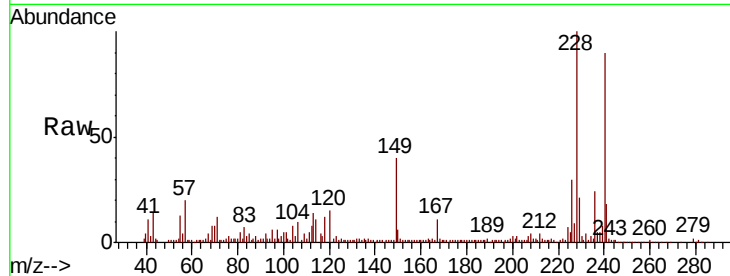
#81
Benzo(a)anthracene
Concen: 3.028 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
RT5124

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.4
229	21.4	16.0	24.0

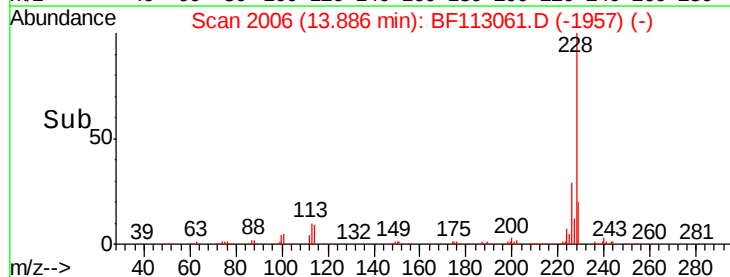
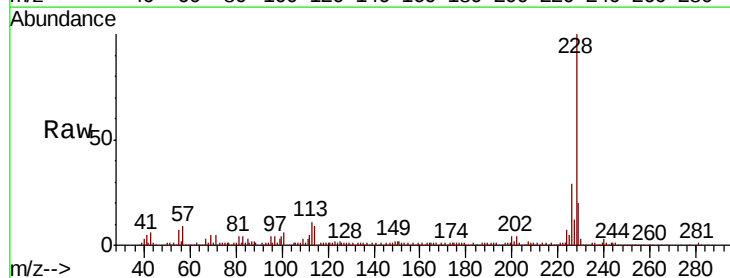
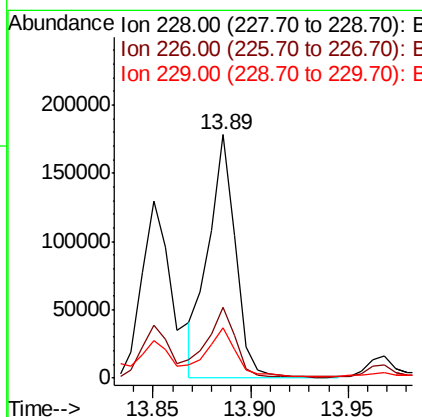
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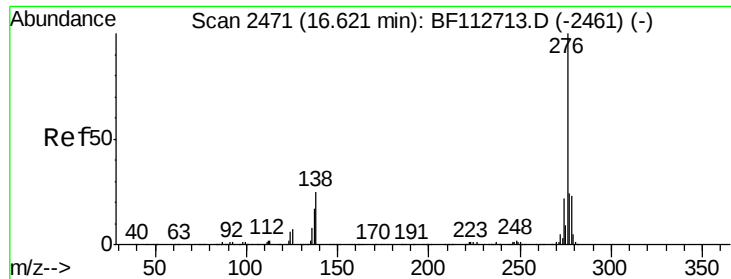
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#83
Chrysene
Concen: 4.145 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	20.4	16.3	24.5





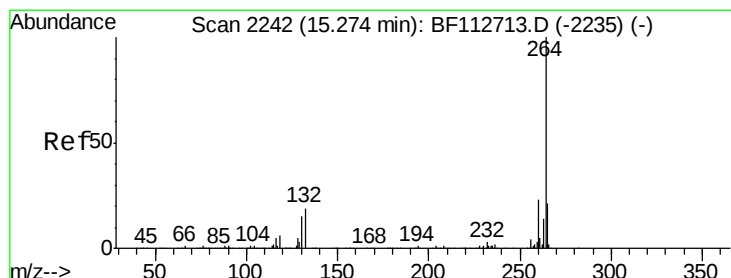
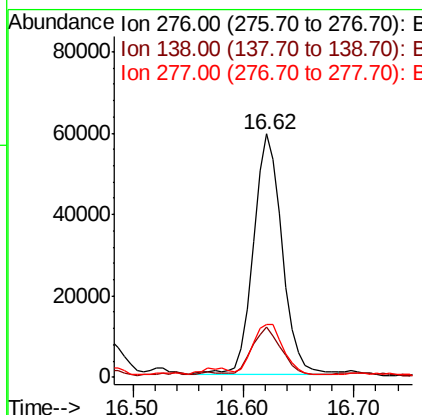
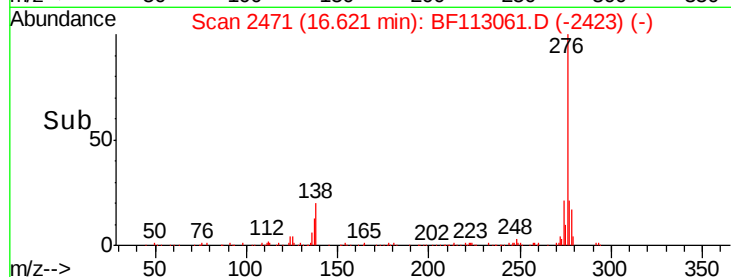
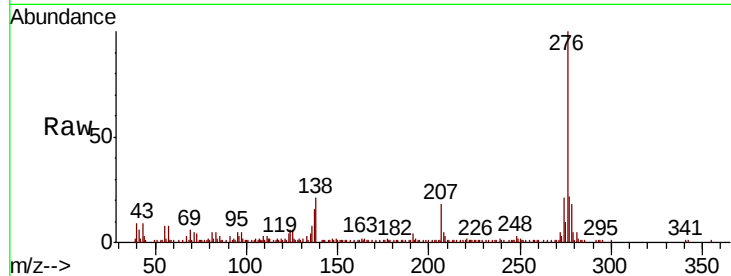
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.032 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.02 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
RT5124

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	23.2	34.8#
277	23.0	19.9	29.9

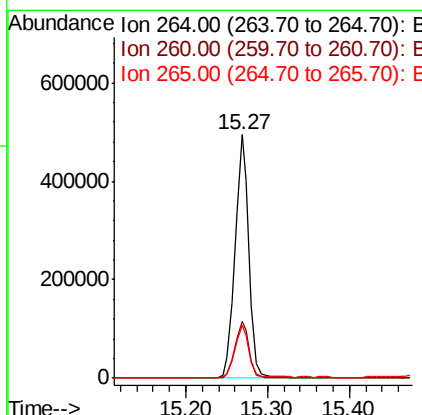
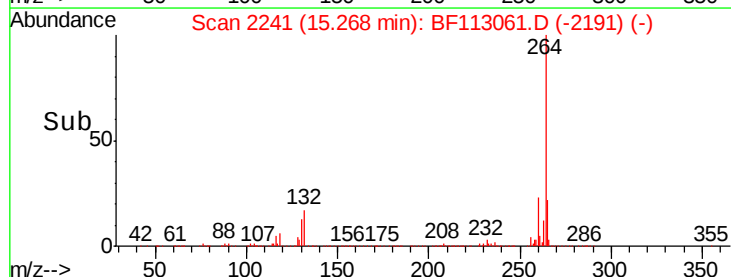
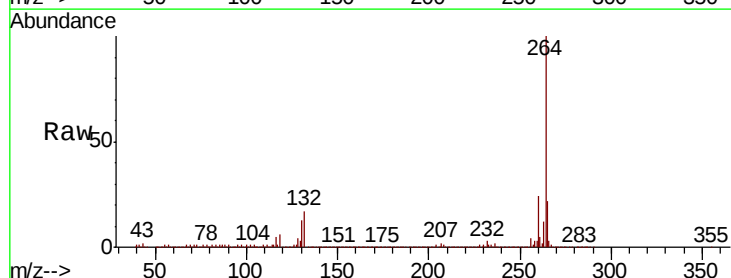
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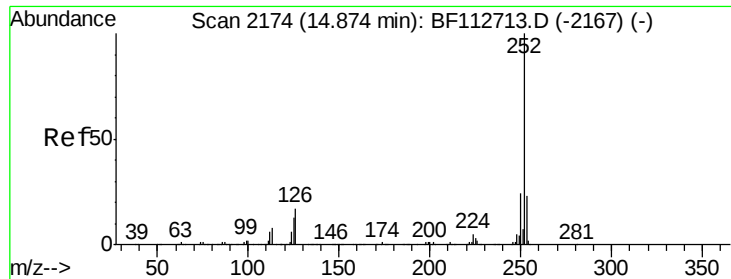
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3/18/2019 2:59:26 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.7	17.2	25.8





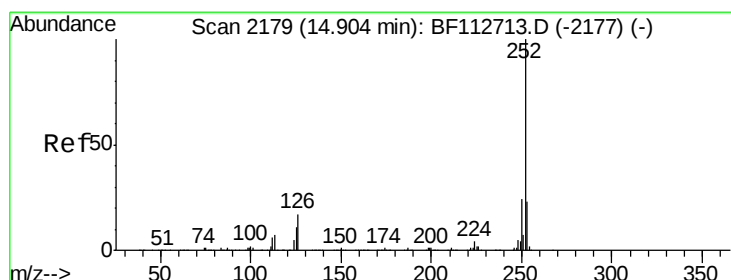
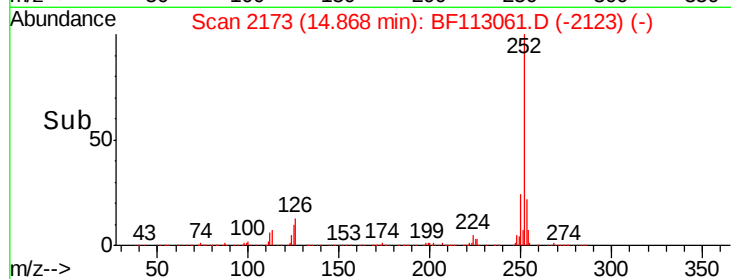
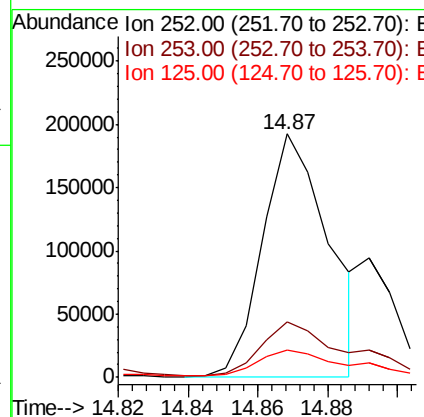
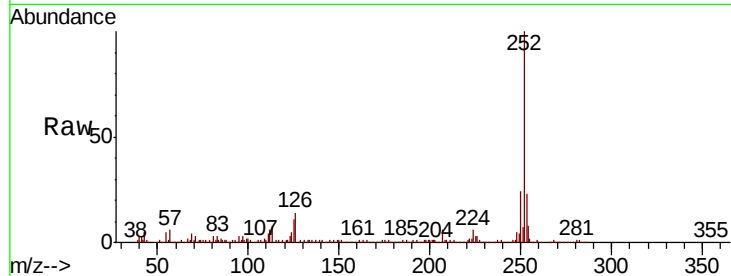
#88
Benzo(b)fluoranthene
Concen: 6.723 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampled :
RT5124

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.0	10.2	15.2

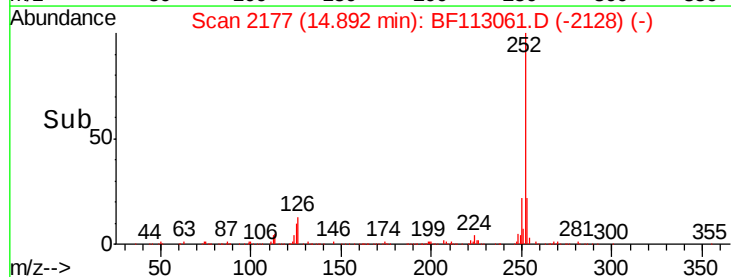
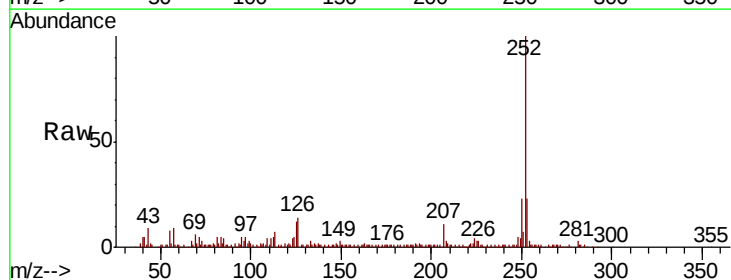
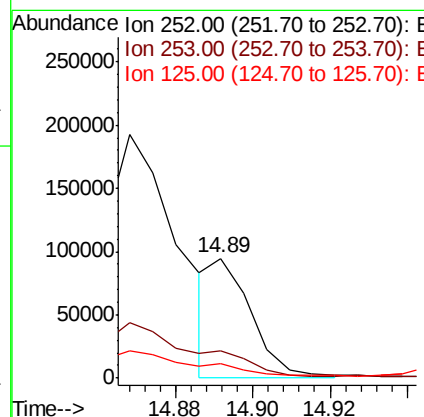
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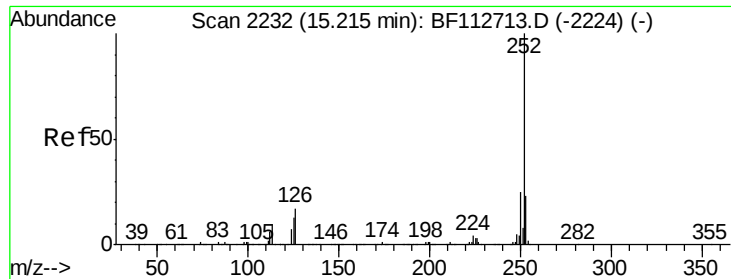
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#89
Benzo(k)fluoranthene
Concen: 2.032 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.9	9.8	14.6





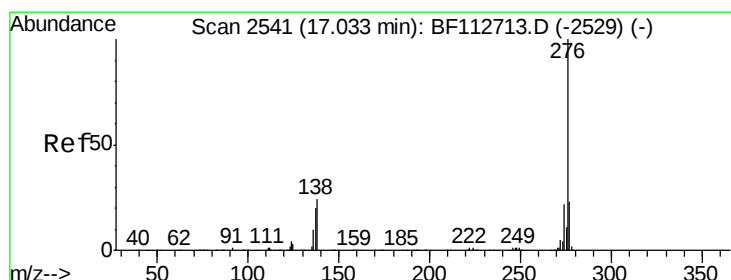
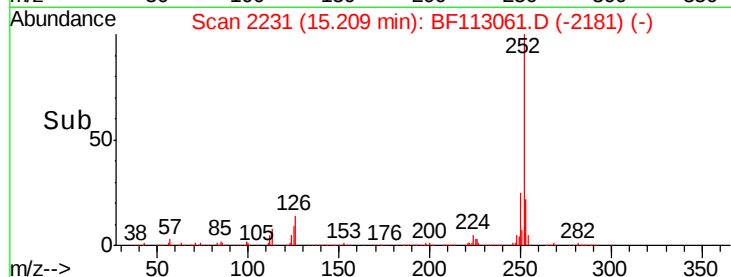
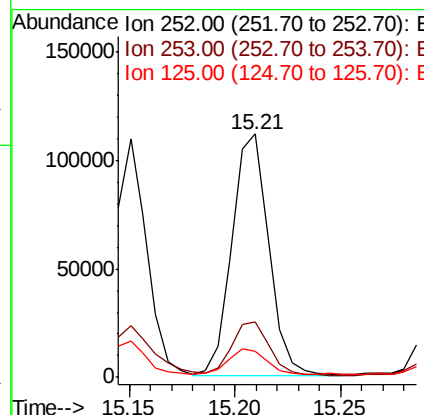
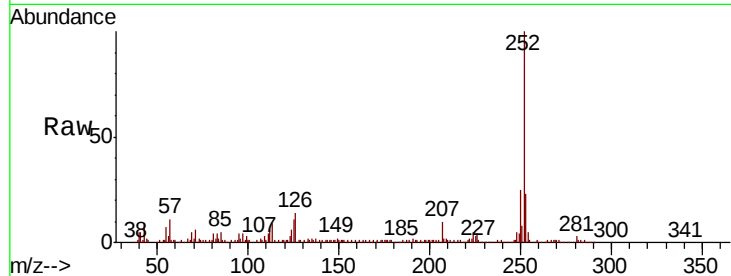
#90
Benzo(a)pyrene
Concen: 4.021 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Instrument :
BNA_F
ClientSampled :
RT5124

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.9	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.675 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF113061.D
Acq: 15 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	27.8
138	21.4	19.4	29.0

