

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113860.D
 Acq On : 19 Apr 2019 16:03
 Operator : JU/SJ
 Sample : K2201-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Manual Integrations
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 4/22/2019 7:26:44 PM

Quant Time: Apr 22 03:11:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	194788	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	683618	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	308319	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	587829	20.00	ng	0.02
76) Chrysene-d12	14.52	240	524385m	20.00	ng	0.47
87) Perylene-d12	16.45	264	422384m	20.00	ng	0.94
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	463432	39.56	ng	0.00
7) Phenol-d6	6.52	99	587117	40.19	ng	0.00
23) Nitrobenzene-d5	7.45	82	317974	28.32	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	141267	41.47	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	600696	29.71	ng	0.00
79) Terphenyl-d14	13.19	244	720546	28.81	ng	0.19
Target Compounds						Qvalue
49) Acenaphthylene	9.80	152	90691	3.036	ng	99
50) Dimethylphthalate	9.65	163	63582	2.947	ng	99
58) Fluorene	10.49	166	45249	2.311	ng	98
71) Phenanthrene	11.46	178	366536	12.243	ng	99
72) Anthracene	11.51	178	148392	4.919	ng	98
75) Fluoranthene	12.75	202	879880	27.731	ng	97
78) Pyrene	13.02	202	956352m	25.878	ng	
81) Benzo(a)anthracene	14.50	228	540502m	17.633	ng	
83) Chrysene	14.55	228	471195m	15.487	ng	
84) Bis(2-ethylhexyl)phthalate	14.54	149	1729159m	105.579	ng	
88) Benzo(b)fluoranthene	15.94	252	466261m	17.707	ng	
89) Benzo(k)fluoranthene	15.97	252	153343m	6.394	ng	
90) Benzo(a)pyrene	16.37	252	322035m	13.831	ng	
91) Dibenzo(a,h)anthracene	18.05	278	55273m	2.668	ng	
92) Benzo(g,h,i)perylene	18.49	276	158968m	7.549	ng	

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

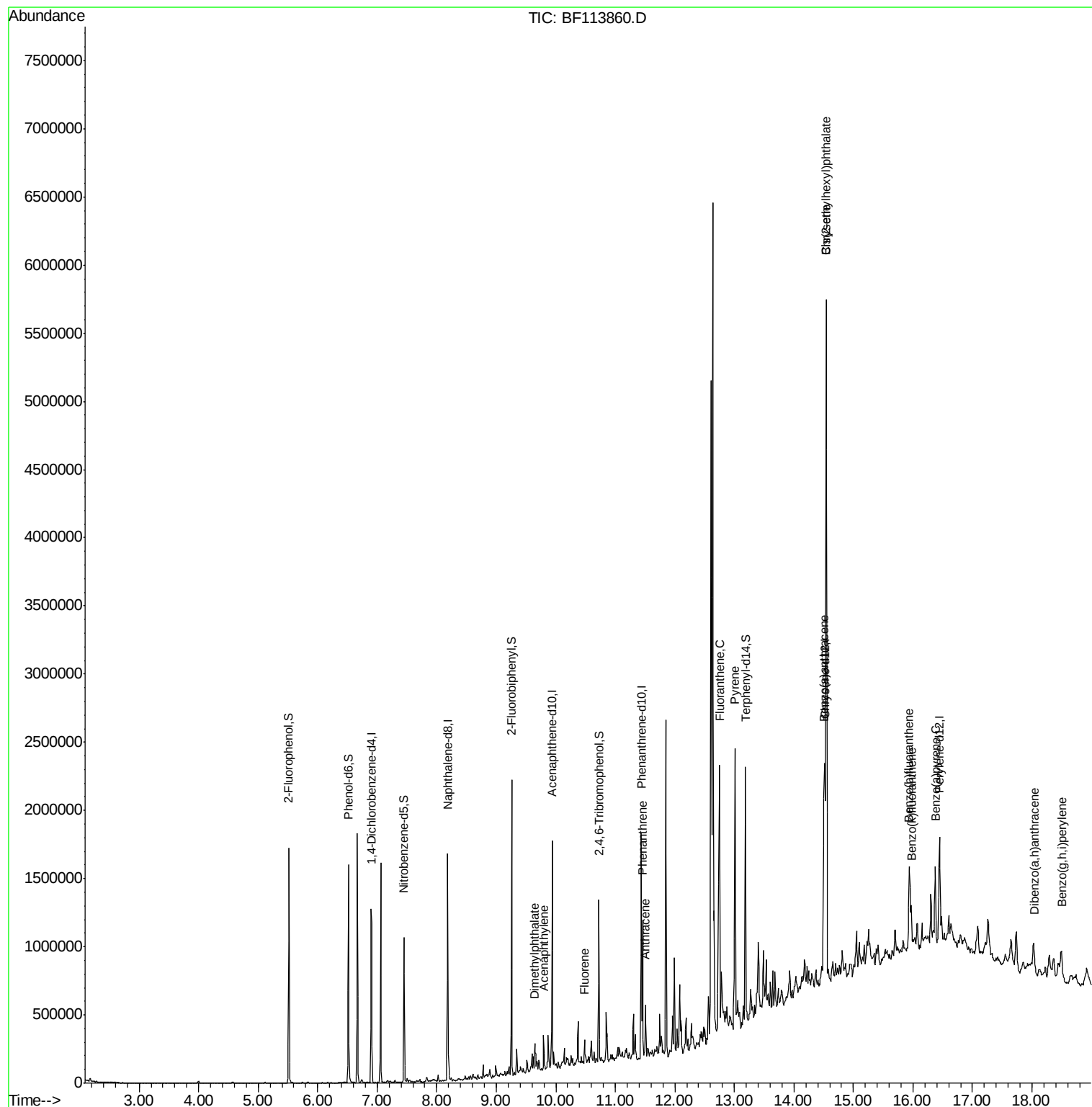
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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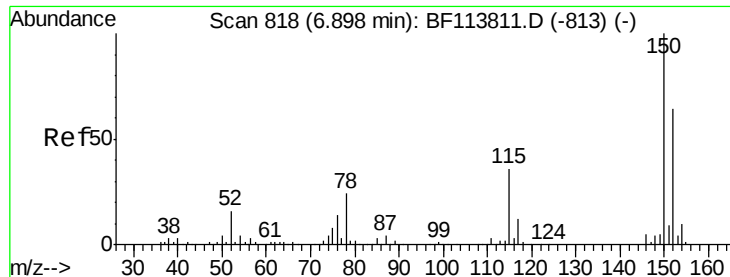
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#1

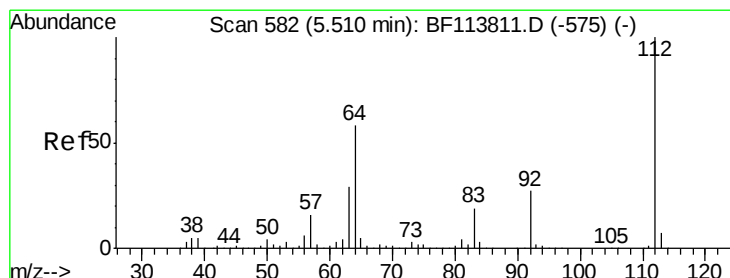
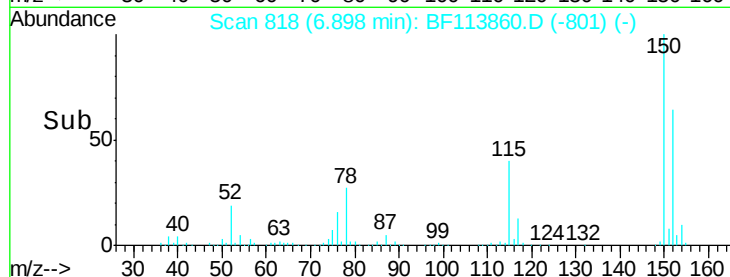
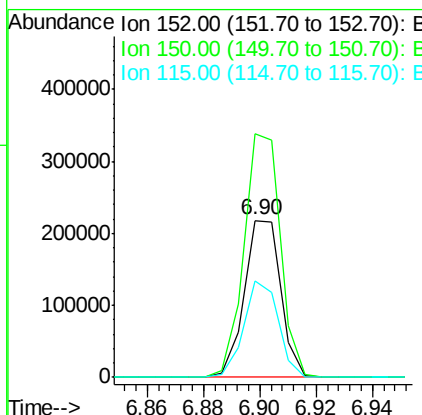
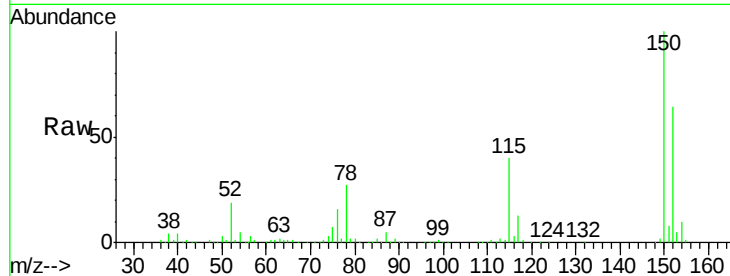
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.9	188.9
115	61.6	45.9	68.9

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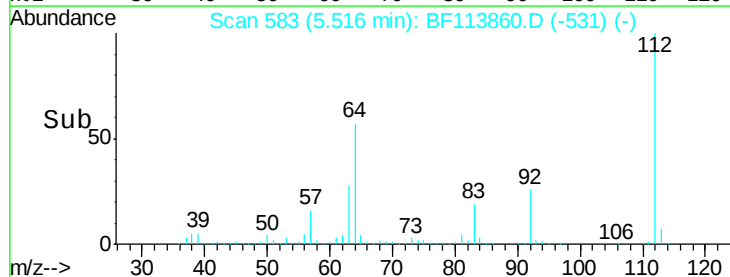
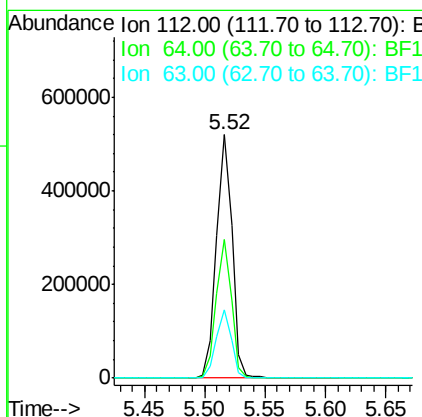
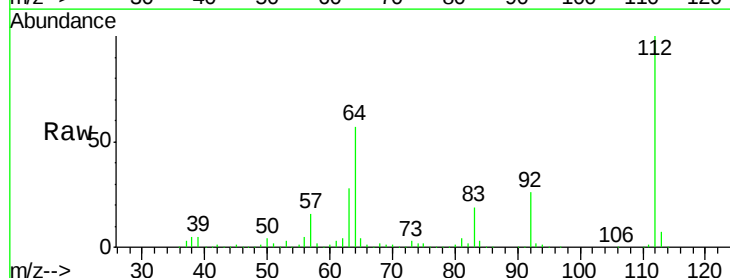
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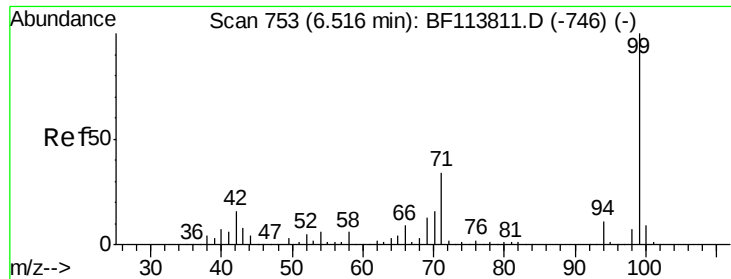


#5

2-Fluorophenol
Concen: 39.560 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.6	69.8
63	28.1	23.1	34.7





#7

Phenol-d6

Concen: 40.189 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

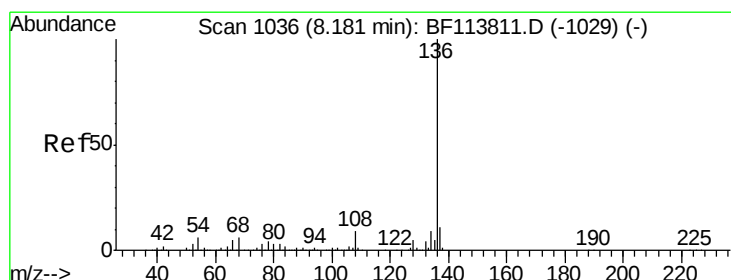
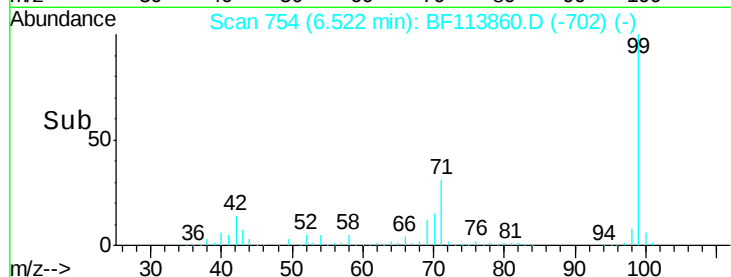
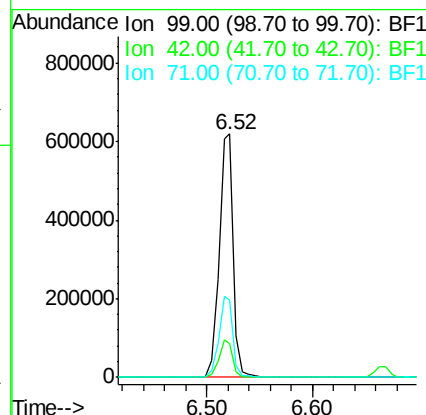
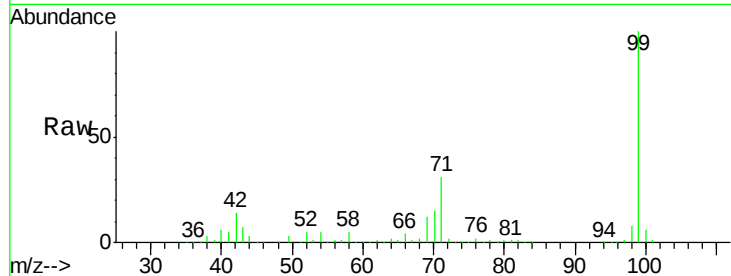
ClientSampleId :

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Tgt Ion:	99	Resp:	587117
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.5	18.7
71	31.5	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

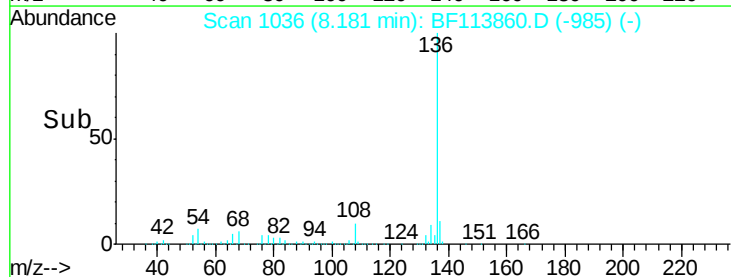
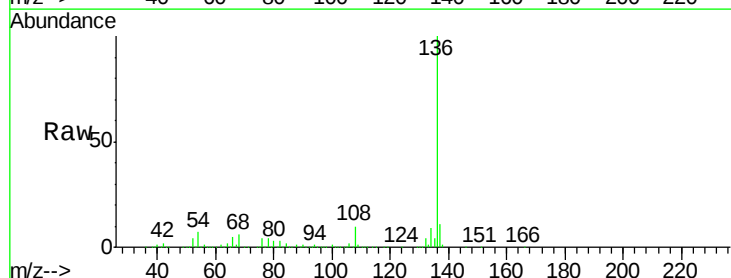
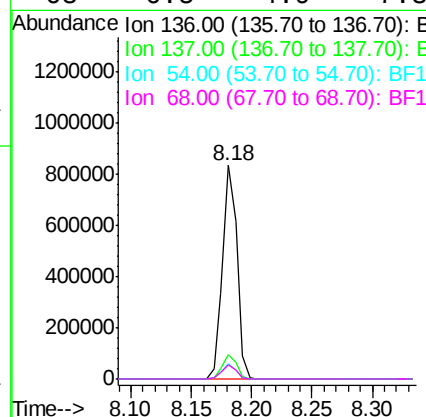
RT: 8.18 min Scan# 1036

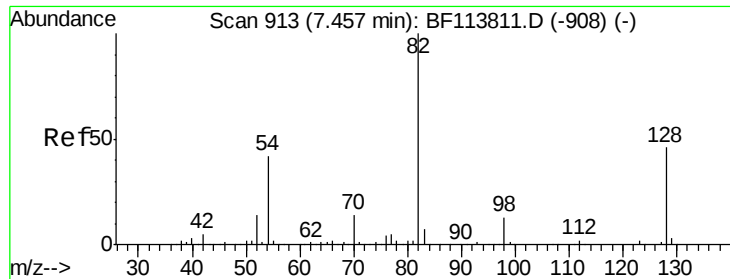
Delta R.T. -0.00 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Tgt Ion:	136	Resp:	683618
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	7.0	5.0	7.6
68	6.5	4.9	7.3





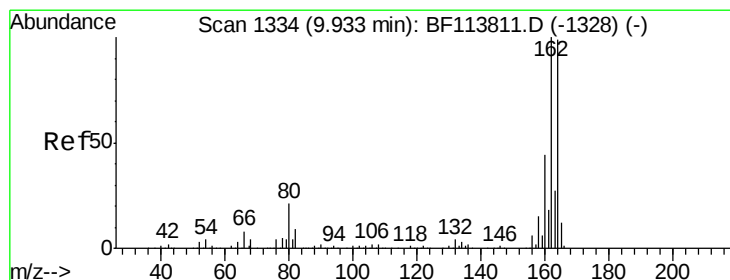
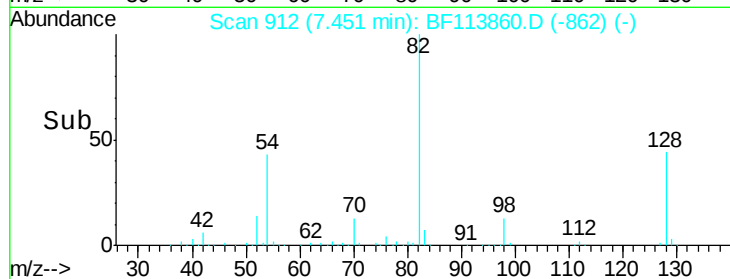
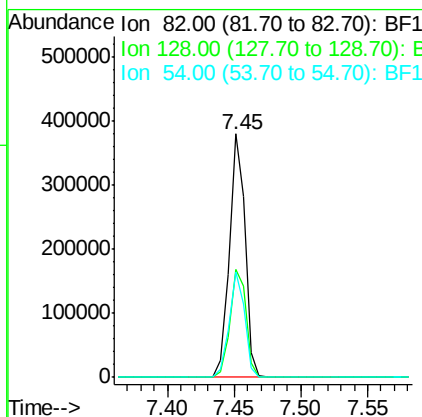
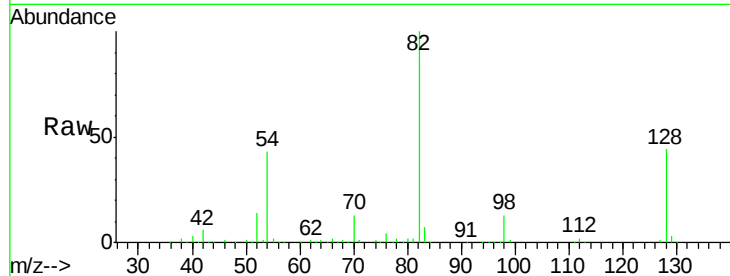
#23
 Nitrobenzene-d5
 Concen: 28.325 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	317974		
128	44.2	36.8	55.2	
54	43.2	33.8	50.6	

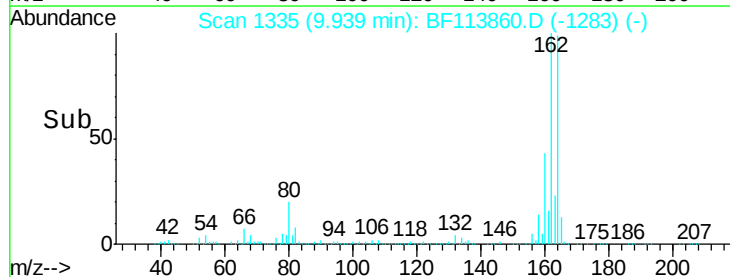
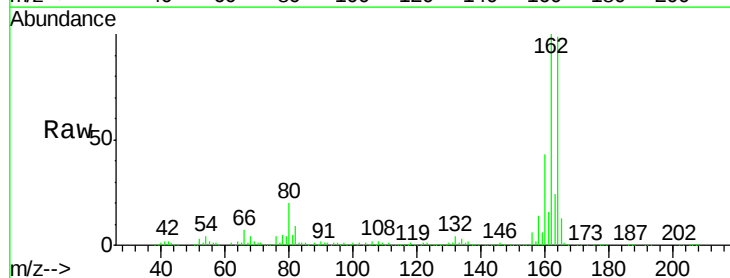
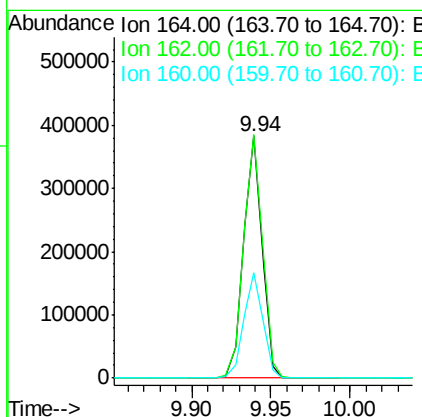
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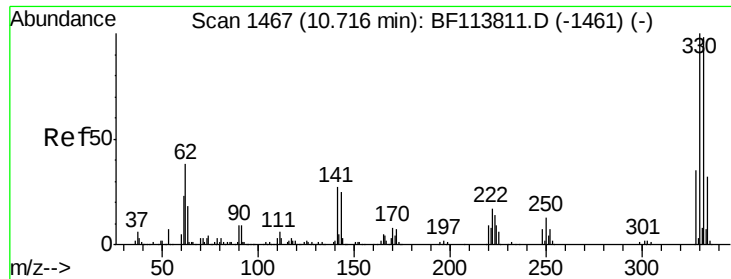
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	308319		
162	100.7	81.1	121.7	
160	43.4	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 41.471 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

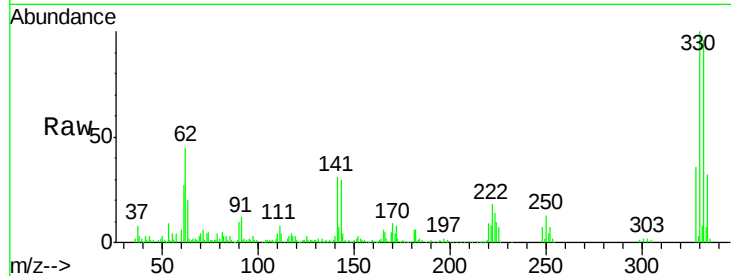
ClientSampleId :

PL-01-041819-A

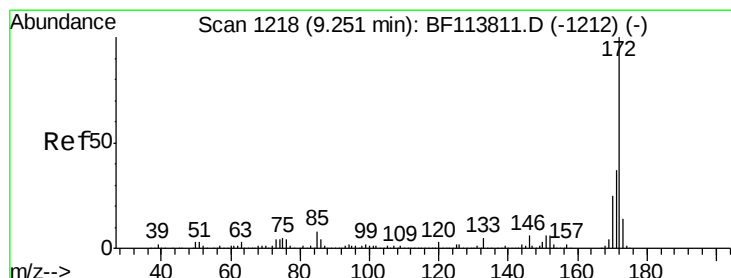
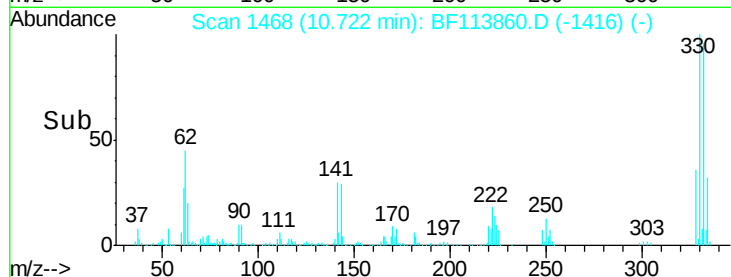
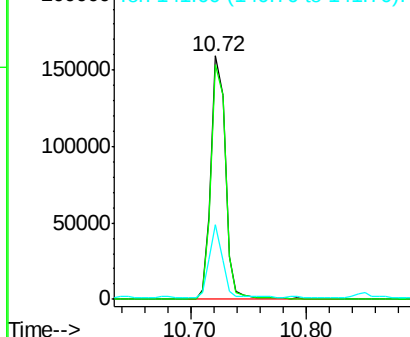
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	141267		
332	97.0	77.5	116.3	
141	27.2	22.2	33.2	

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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: 29.712 ng

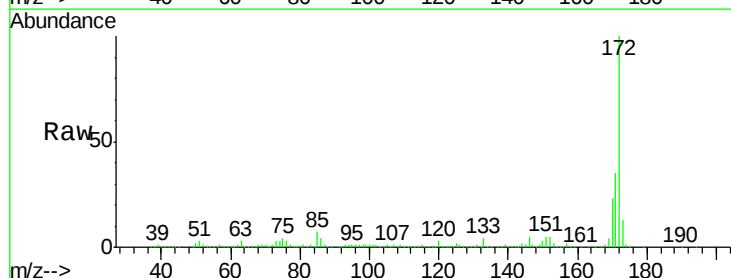
RT: 9.26 min Scan# 1219

Delta R.T. 0.01 min

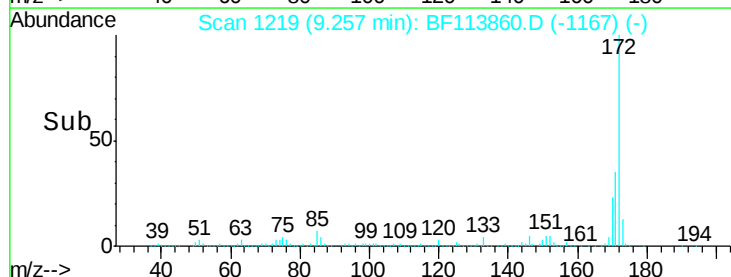
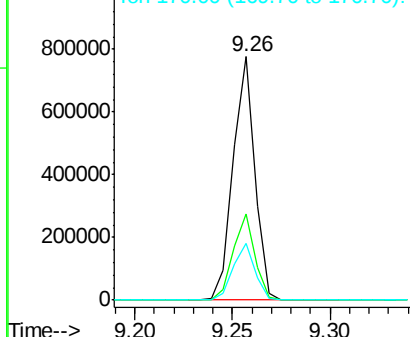
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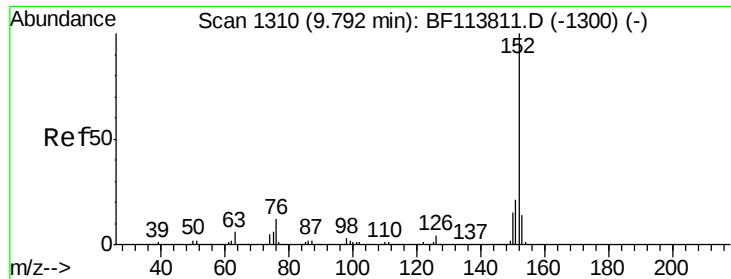
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	600696		
171	35.2	29.4	44.0	
170	23.4	19.9	29.9	



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





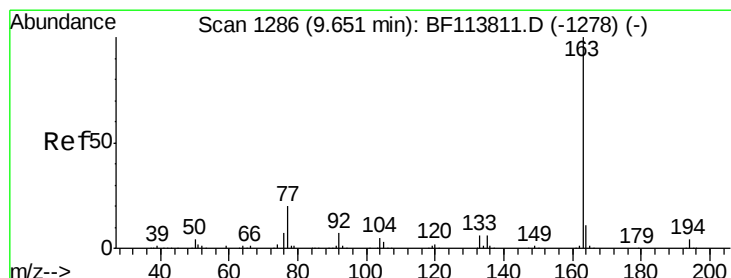
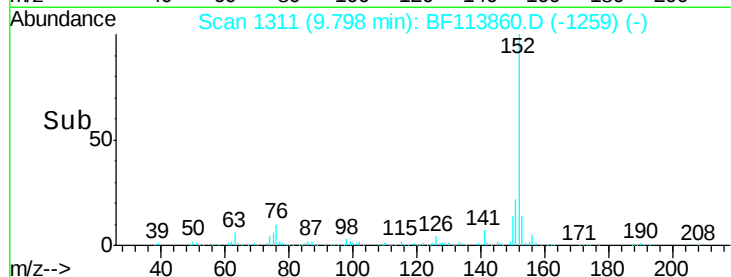
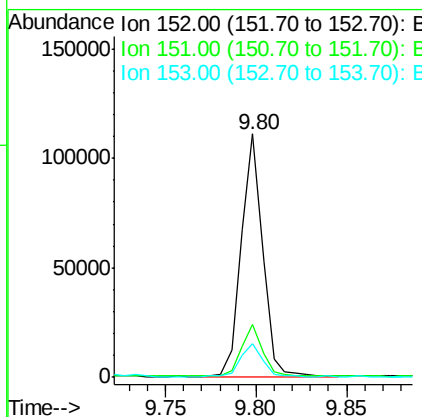
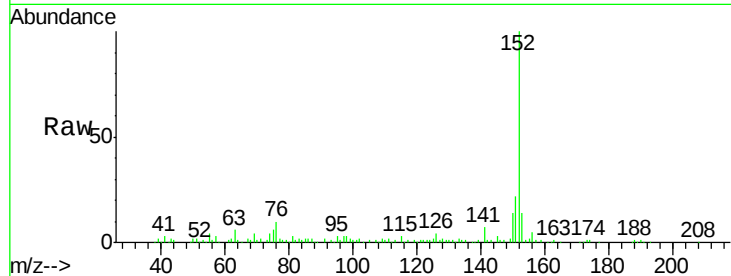
#49
Acenaphthylene
Concen: 3.036 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion:	152	Resp:	90691
Ion Ratio	Lower	Upper	
152	100		
151	21.9	17.0	25.4
153	14.0	11.0	16.6

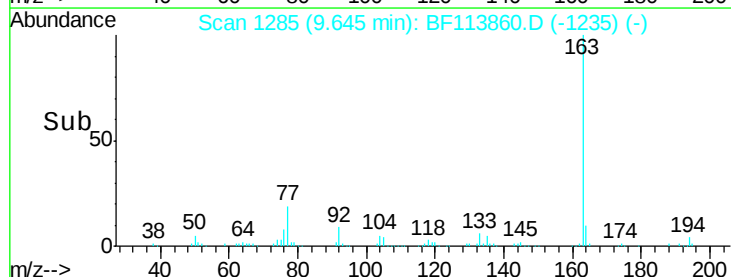
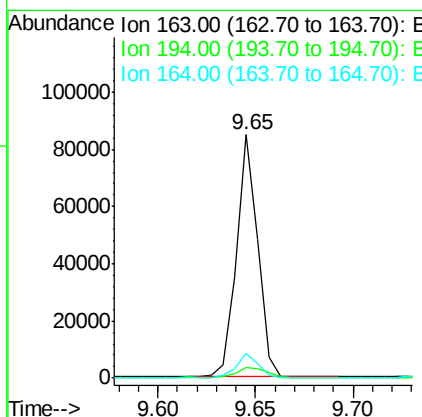
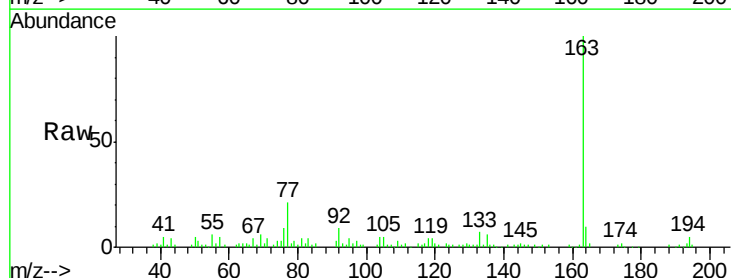
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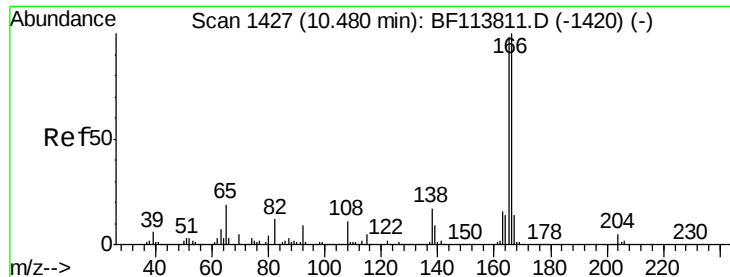
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#50
Dimethylphthalate
Concen: 2.947 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion:	163	Resp:	63582
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.2
164	10.4	8.5	12.7





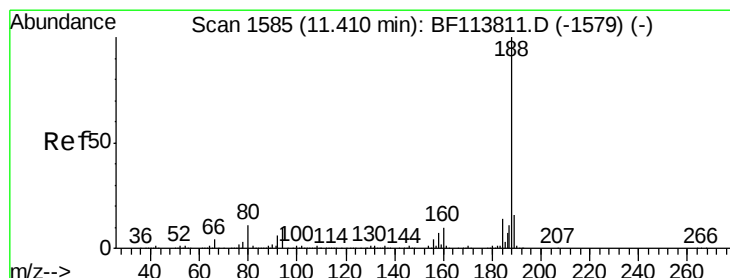
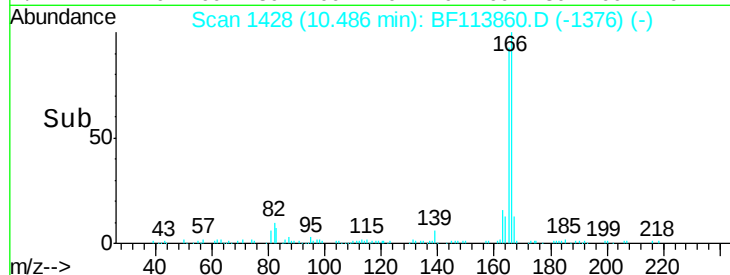
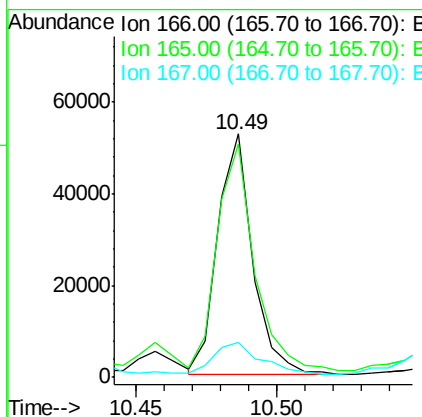
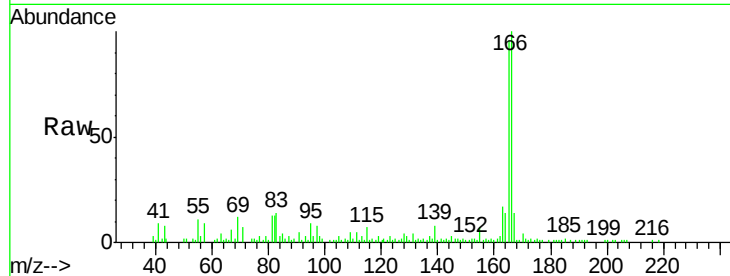
#58
 Fluorene
 Concen: 2.311 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.4	117.6
167	14.1	10.9	16.3

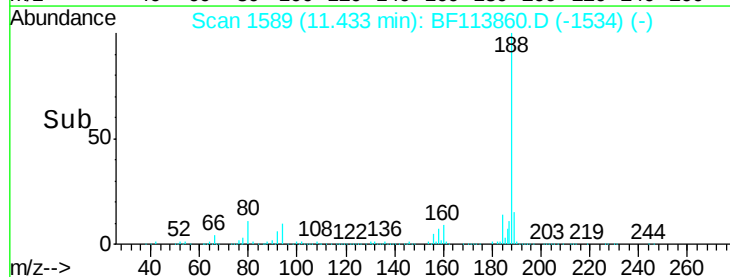
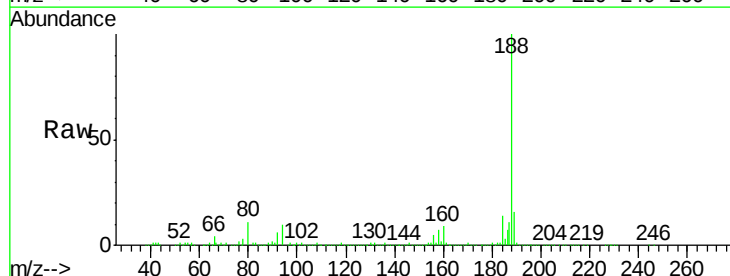
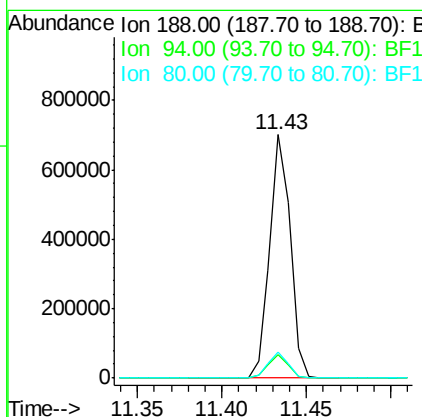
Manual Integrations
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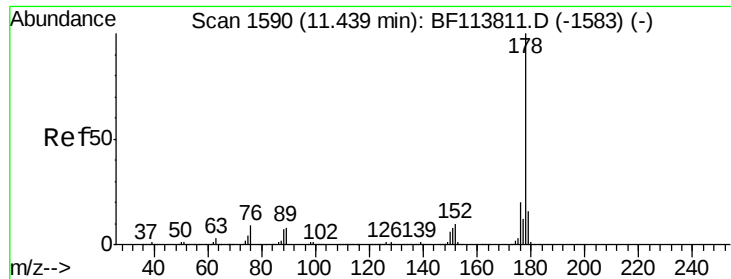
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.02 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.4
80	10.6	9.0	13.6





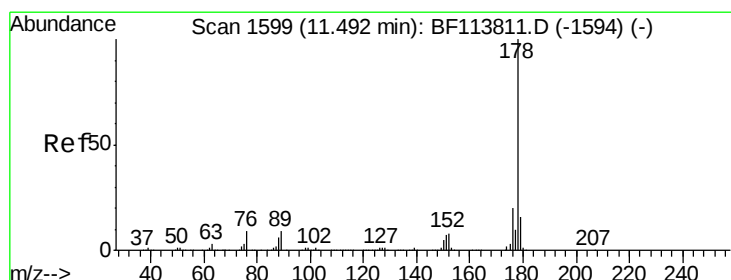
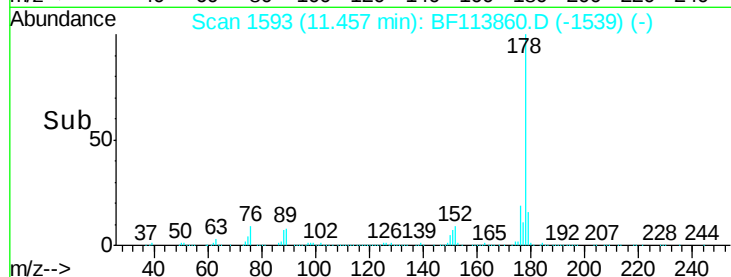
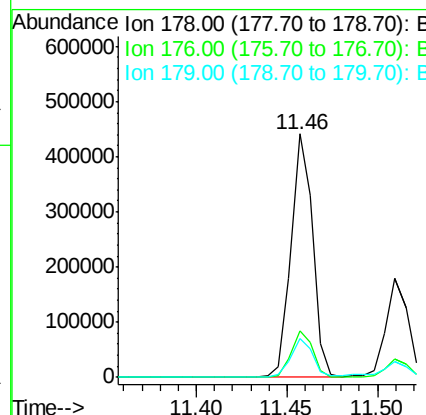
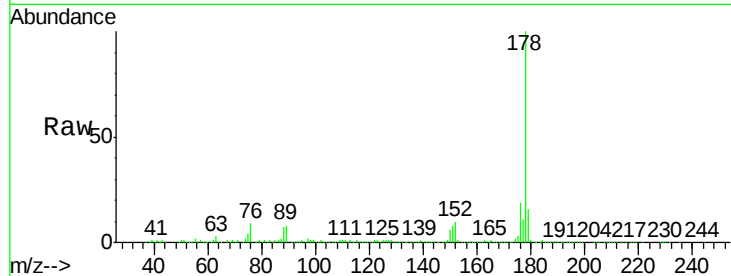
#71
Phenanthrene
Concen: 12.243 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.1	24.1
179	16.0	12.8	19.2

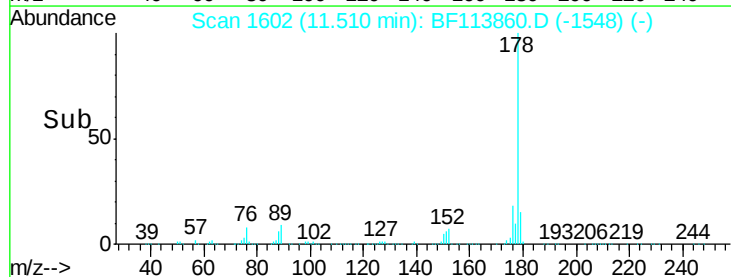
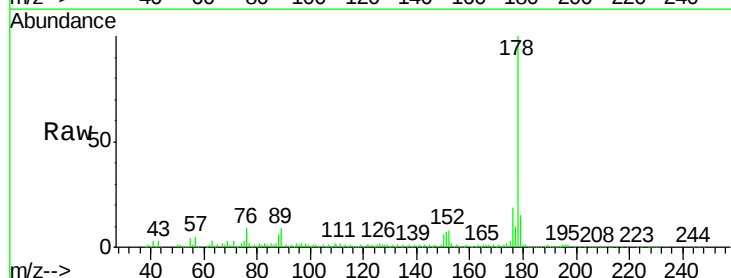
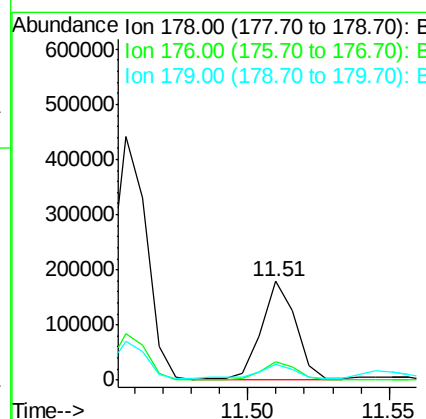
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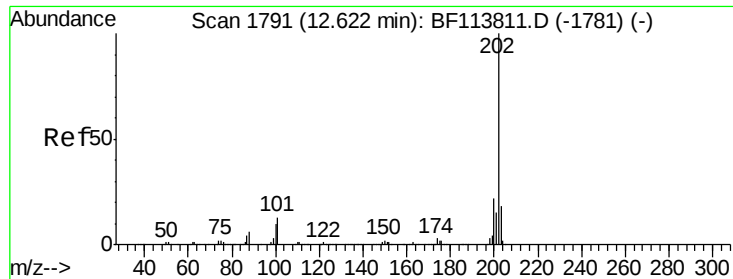
Sohil
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#72
Anthracene
Concen: 4.919 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.5	13.0	19.4





#75

Fluoranthene

Concen: 27.731 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.13 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

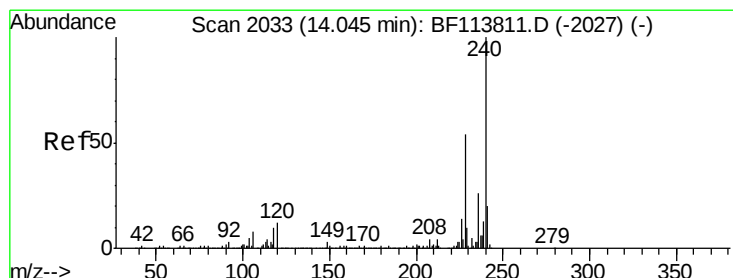
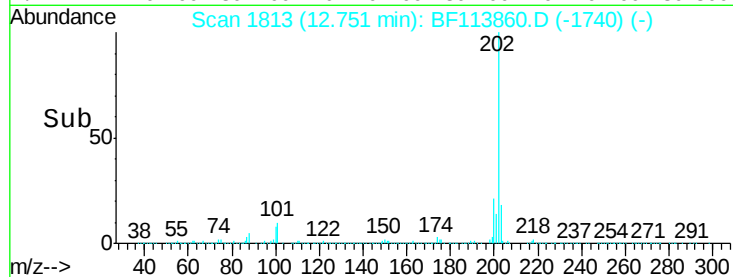
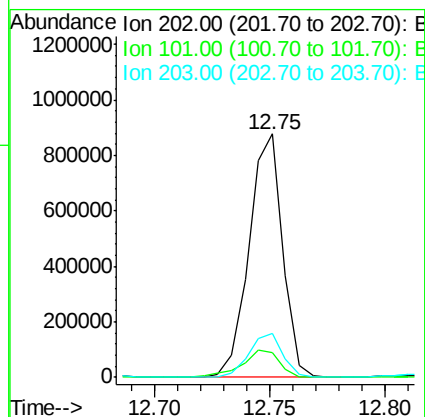
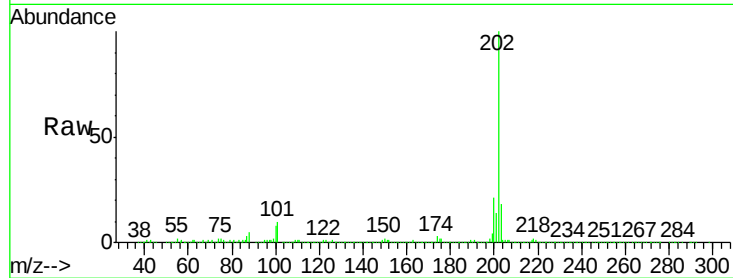
ClientSampleId :

PL-01-041819-A

Tgt Ion:	202	Resp:	879880
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.9
203	17.9	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng m

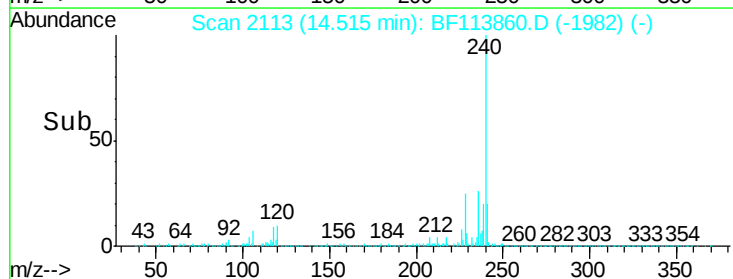
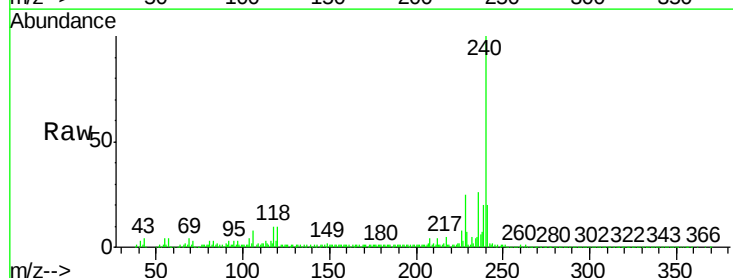
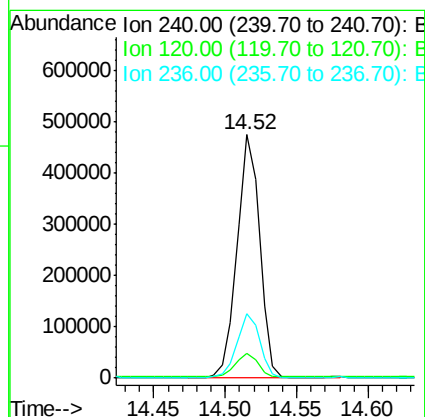
RT: 14.52 min Scan# 2113

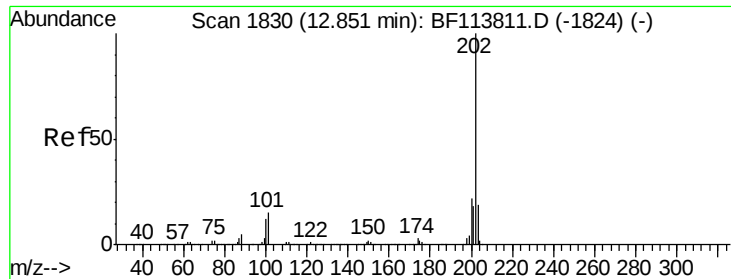
Delta R.T. 0.47 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Tgt Ion:	240	Resp:	524385
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.3	13.9
236	26.4	21.2	31.8





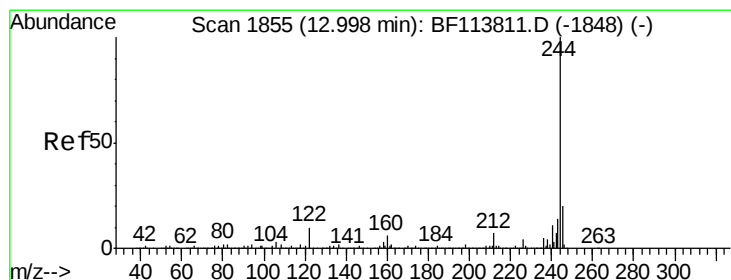
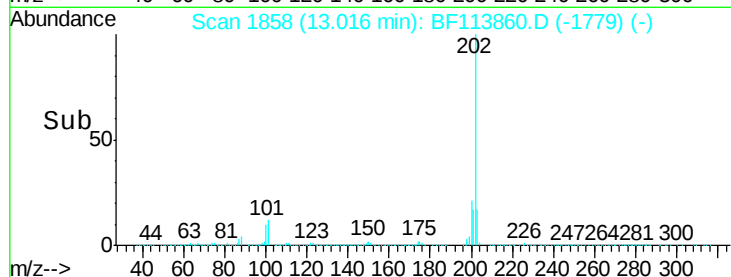
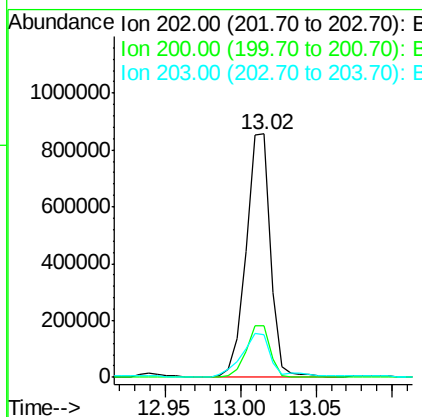
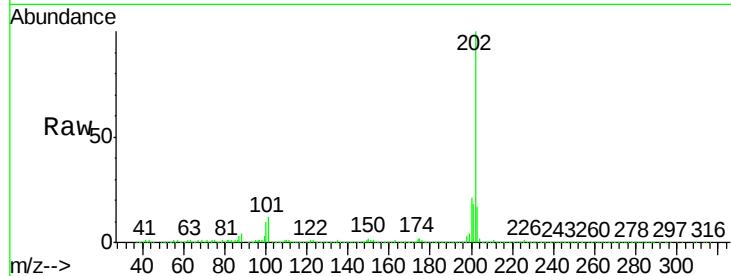
#78
 Pyrene
 Concen: 25.878 ng m
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.16 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.5	15.0	22.6

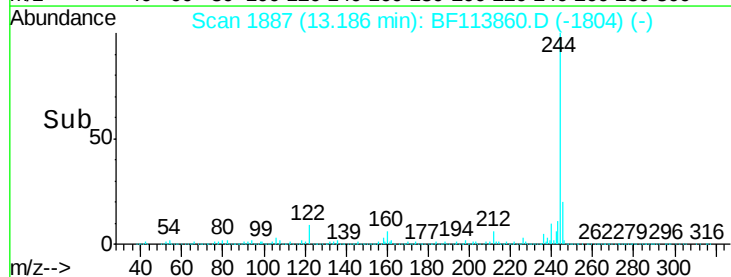
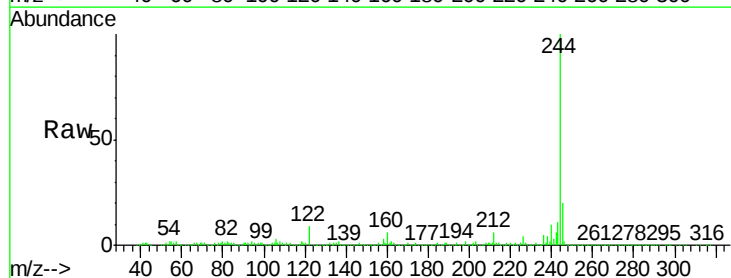
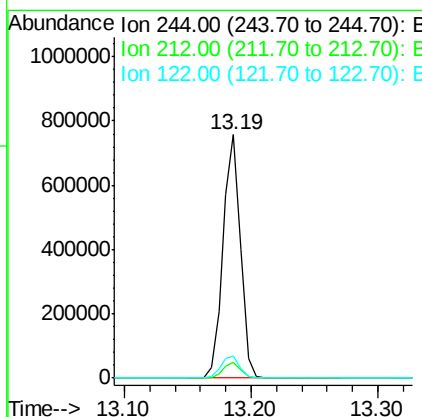
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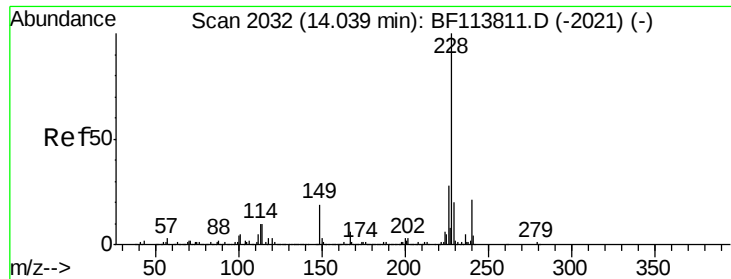
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#79
 Terphenyl-d14
 Concen: 28.814 ng
 RT: 13.19 min Scan# 1887
 Delta R.T. 0.19 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.3	7.6	11.4





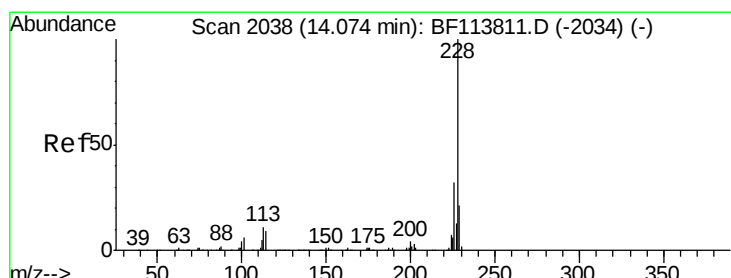
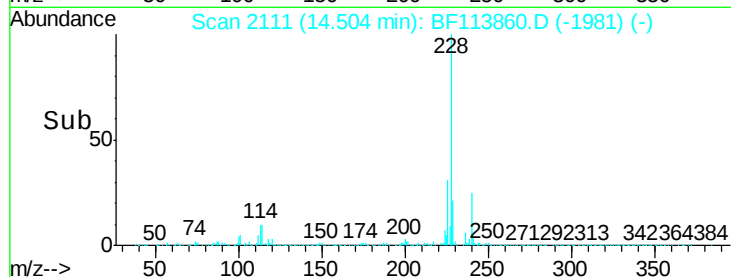
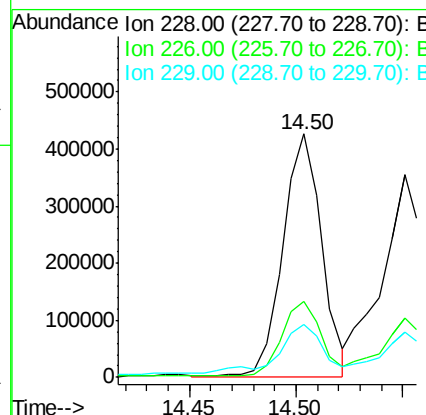
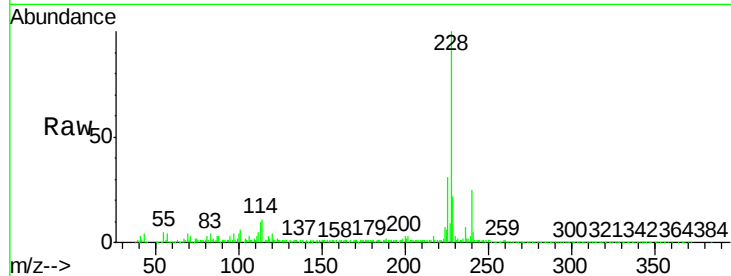
#81
Benzo(a)anthracene
Concen: 17.633 ng m
RT: 14.50 min Scan# 2111
Delta R.T. 0.46 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.2	33.2
229	21.7	16.0	24.0

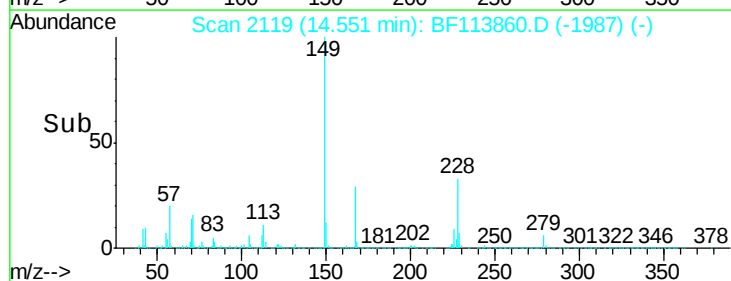
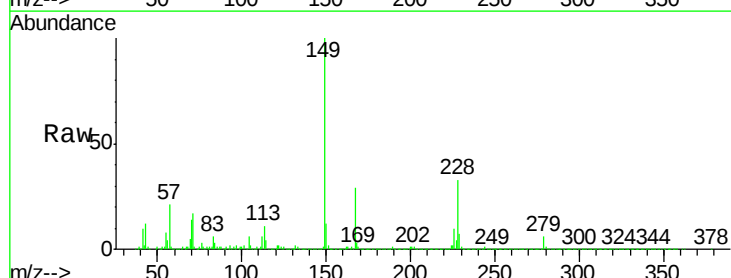
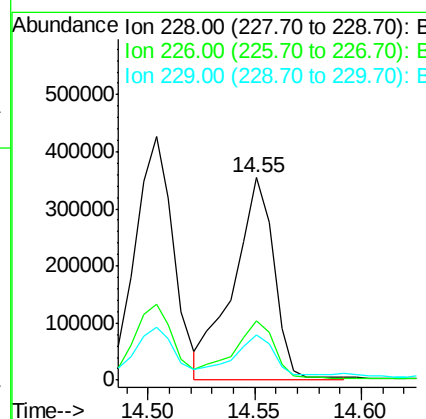
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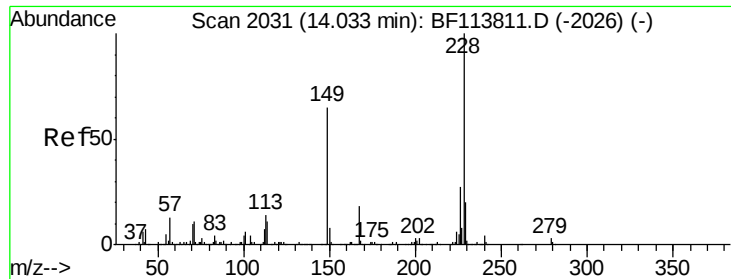
Sohil
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#83
Chrysene
Concen: 15.487 ng m
RT: 14.55 min Scan# 2119
Delta R.T. 0.48 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.2	37.8
229	22.3	16.7	25.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 105.579 ng m

RT: 14.54 min Scan# 2118

Delta R.T. 0.51 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

Tgt Ion:149 Resp: 1729159

Ion Ratio Lower Upper

149 100

167 29.1 22.9 34.3

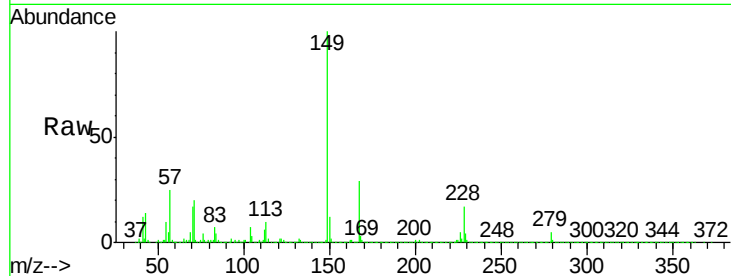
279 5.1 4.2 6.2

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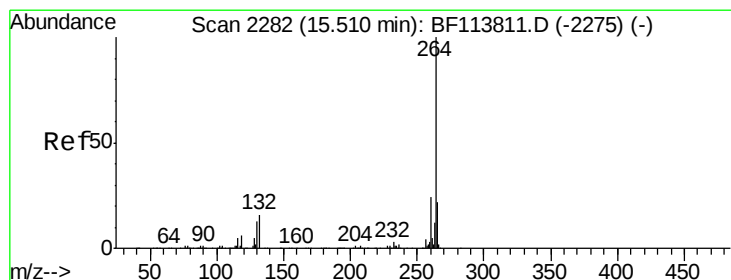
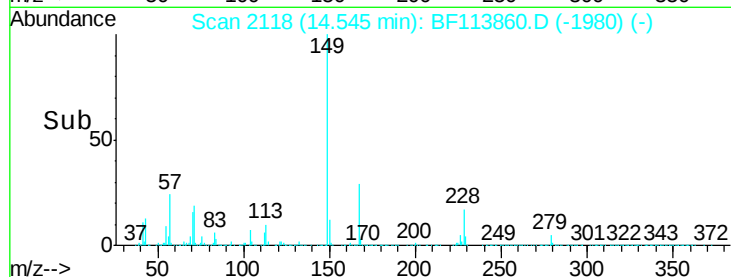
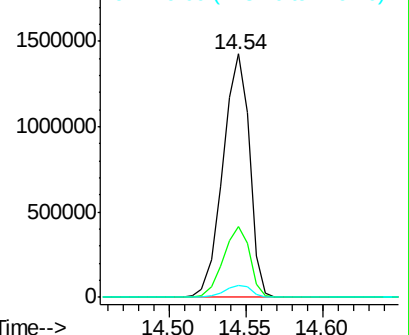
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng m

RT: 16.45 min Scan# 2442

Delta R.T. 0.94 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

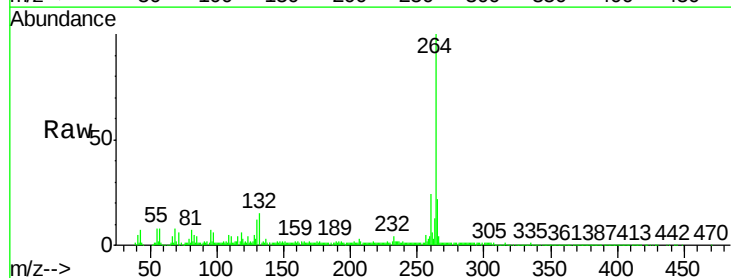
Tgt Ion:264 Resp: 422384

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

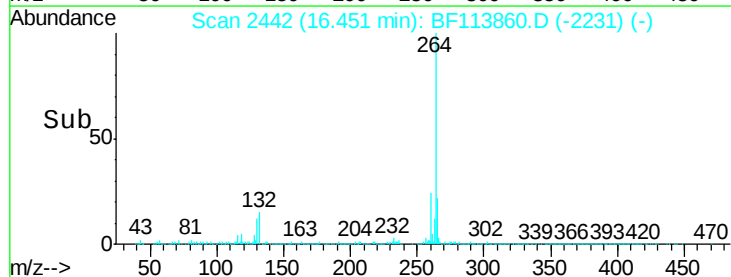
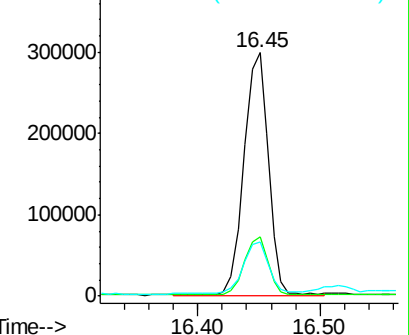
265 22.4 17.3 25.9

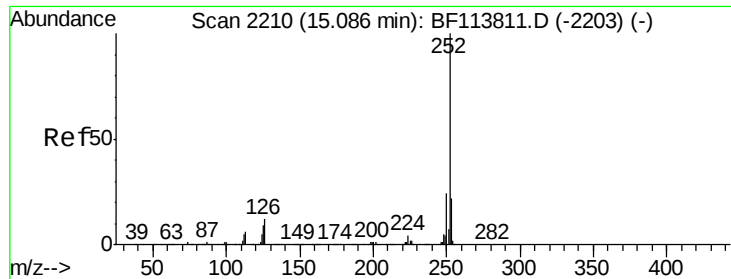


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





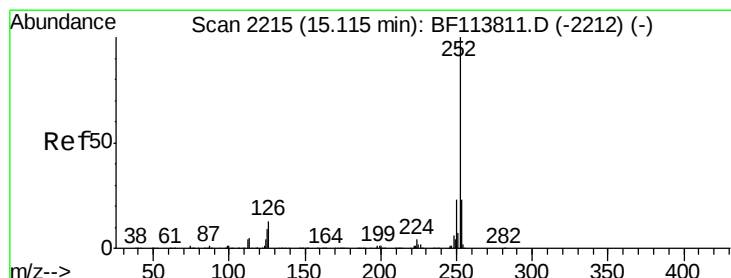
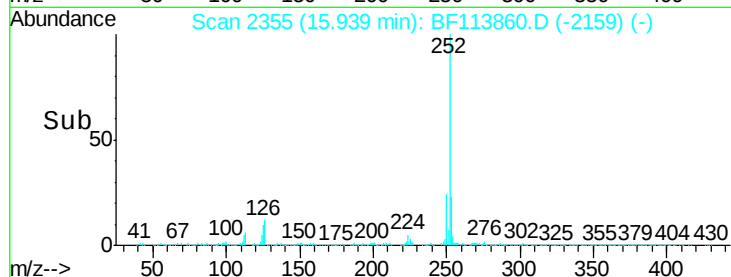
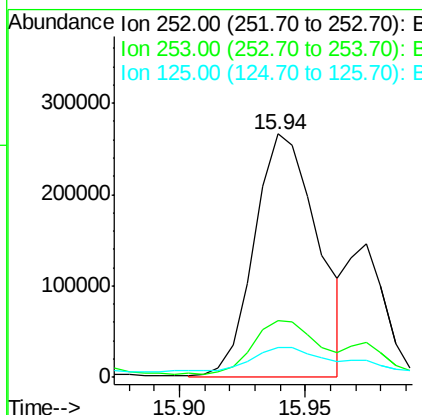
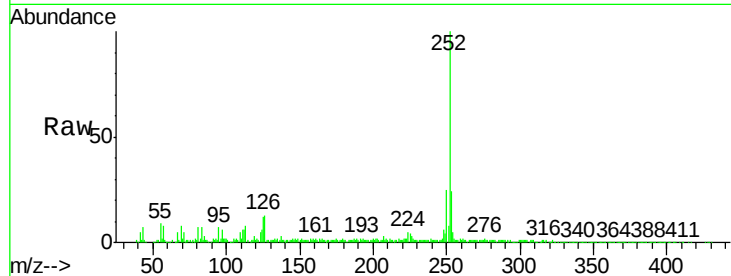
#88
Benzo(b)fluoranthene
Concen: 17.707 ng m
RT: 15.94 min Scan# 2355
Delta R.T. 0.85 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.1	7.0	10.6

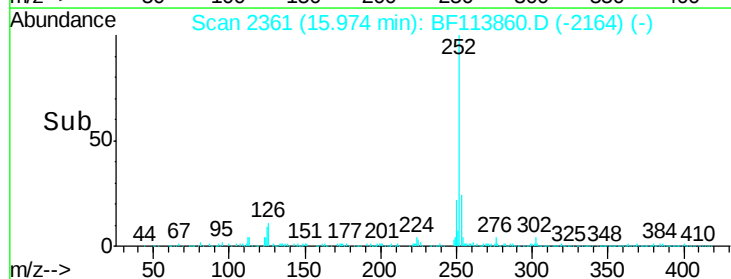
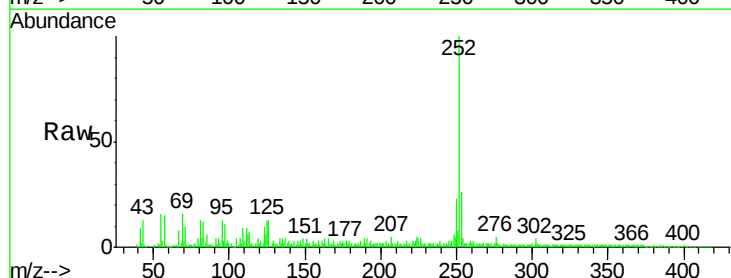
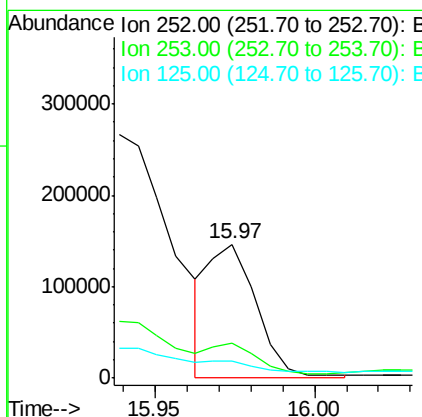
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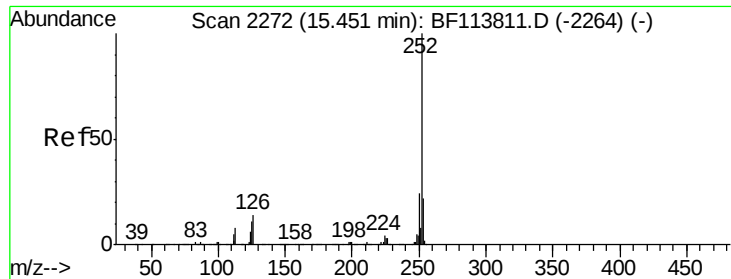
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#89
Benzo(k)fluoranthene
Concen: 6.394 ng m
RT: 15.97 min Scan# 2361
Delta R.T. 0.86 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.2	27.2
125	13.1	7.4	11.2





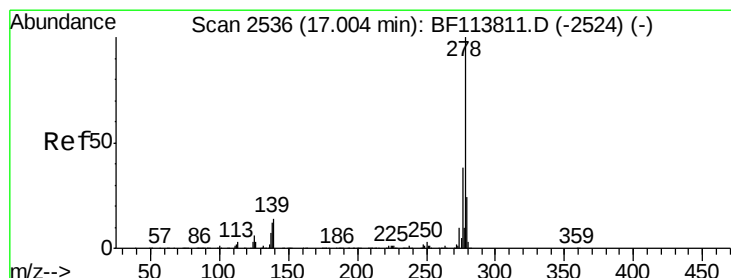
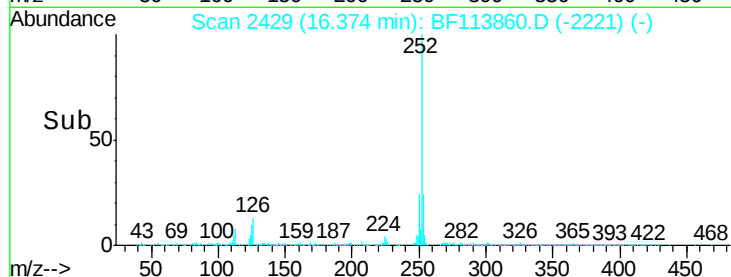
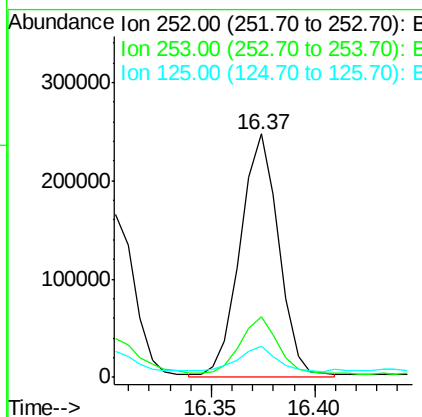
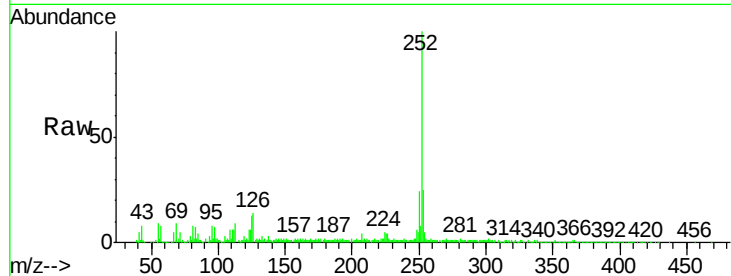
#90
Benzo(a)pyrene
Concen: 13.831 ng m
RT: 16.37 min Scan# 2429
Delta R.T. 0.92 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	12.6	8.5	12.7

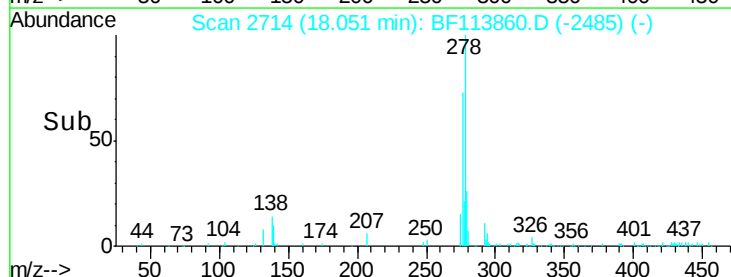
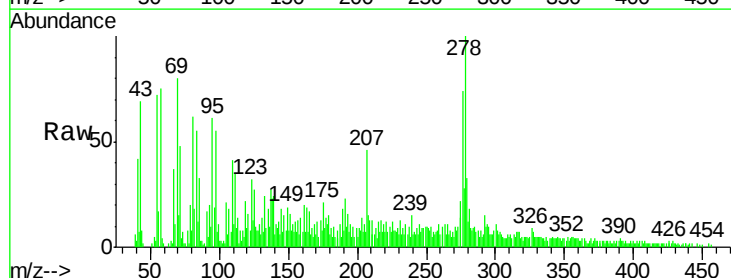
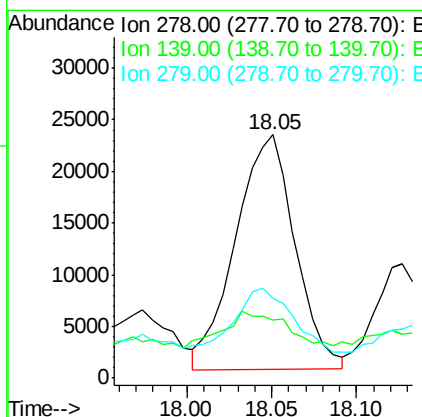
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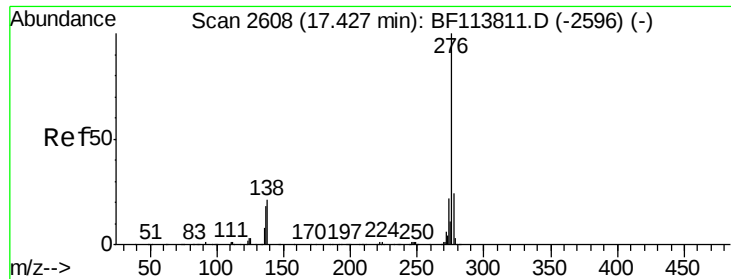
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#91
Dibenzo(a,h)anthracene
Concen: 2.668 ng m
RT: 18.05 min Scan# 2714
Delta R.T. 1.05 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.1	11.6	17.4#
279	32.8	19.0	28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 7.549 ng m
 RT: 18.49 min Scan# 2789
 Delta R.T. 1.06 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	21.1	16.6	25.0

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