

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104137.D
 Acq On : 2 Apr 2018 16:07
 Operator : JU/SJ
 Sample : J2175-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:27:12 PM

Quant Time: Apr 02 17:33:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	117257	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	502192	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	237655	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	397662	20.00	ng	0.00
75) Chrysene-d12	14.16	240	243406	20.00	ng	0.00
86) Perylene-d12	15.70	264	256481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	609139	82.85	ng	0.00
7) Phenol-d6	6.60	99	819404	90.58	ng	0.00
23) Nitrobenzene-d5	7.52	82	532900	64.90	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	212537	80.31	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	806493	53.51	ng	0.00
78) Terphenyl-d14	13.08	244	571289	54.19	ng	0.00
Target Compounds						
10) Phenol	6.61	94	61577	6.144	ng	Qvalue # 79
48) Acenaphthylene	9.86	152	63565	2.608	ng	99
49) Dimethylphthalate	9.70	163	108957	5.807	ng	98
70) Phenanthrene	11.52	178	384819	17.874	ng	98
71) Anthracene	11.57	178	148877	6.620	ng	98
72) Carbazole	11.73	167	45197	2.106	ng	93
74) Fluoranthene	12.72	202	1004256	43.882	ng	98
77) Pyrene	12.95	202	1088646	62.217	ng	99
80) Benzo(a)anthracene	14.14	228	581653	38.190	ng	98
82) Chrysene	14.18	228	501407	33.612	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	244623	15.825	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	700235m	44.860	ng	
88) Benzo(k)fluoranthene	15.27	252	242137m	16.467	ng	
89) Benzo(a)pyrene	15.63	252	469282	32.443	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	52079	3.894	ng	92
91) Benzo(g,h,i)perylene	17.77	276	215969	16.123	ng	95

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

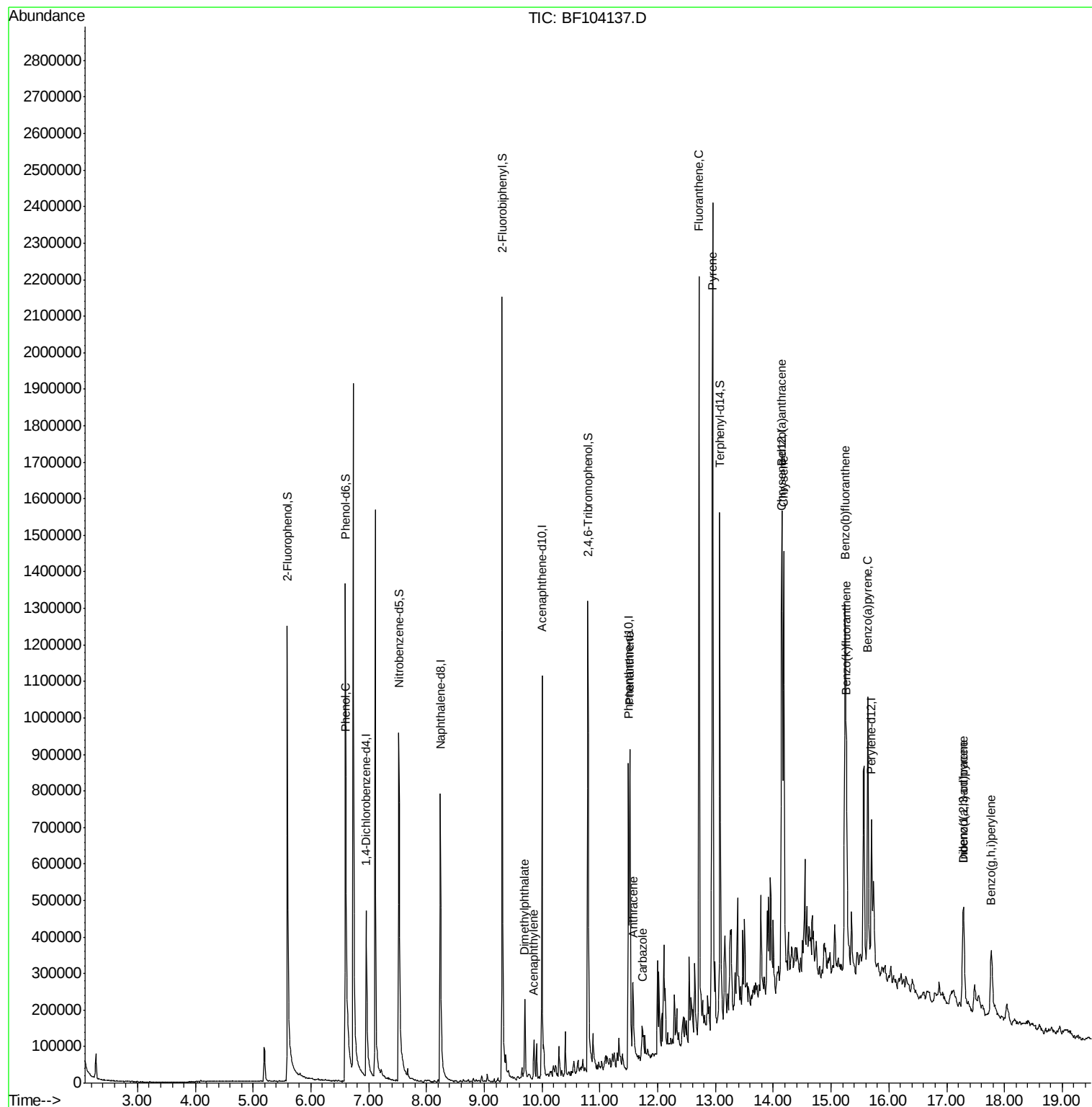
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104137.D
Acq On : 2 Apr 2018 16:07
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Quant Time: Apr 02 17:33:26 2018
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#1

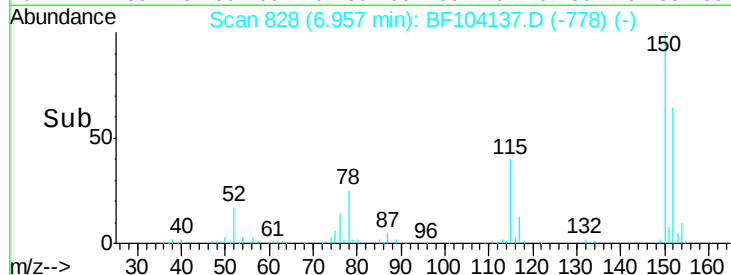
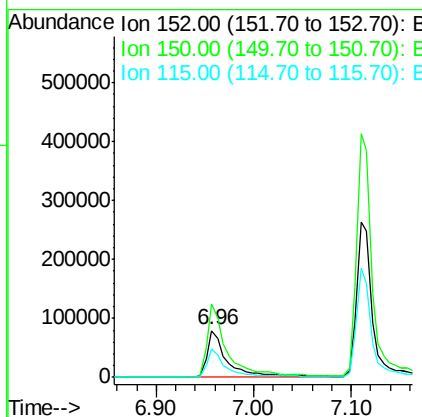
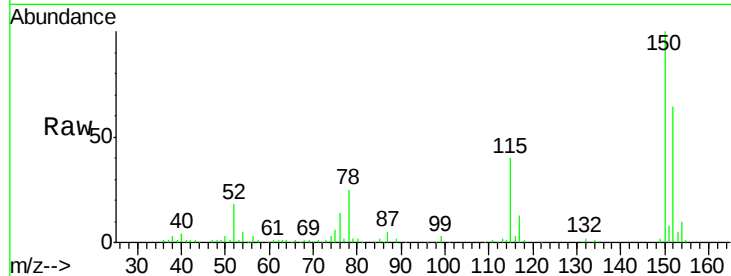
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	61.7	50.1	75.1

Manual Integrations
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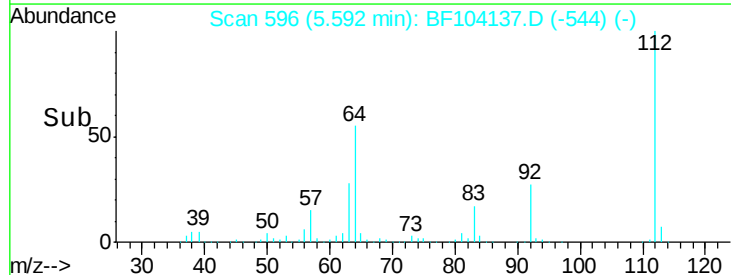
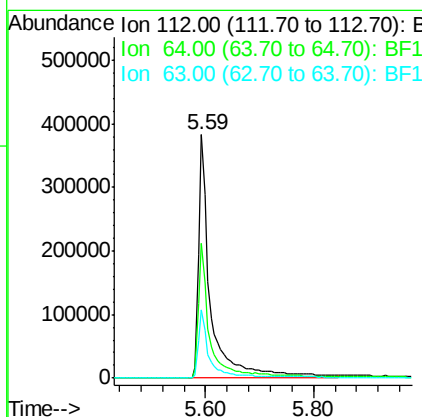
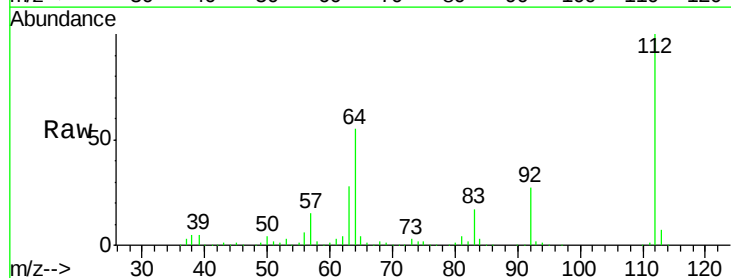
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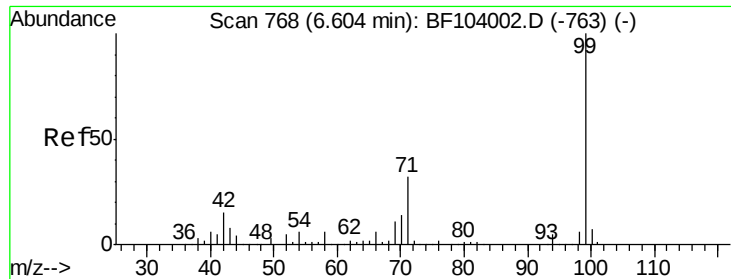


#5

2-Fluorophenol
Concen: 82.846 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 90.582 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

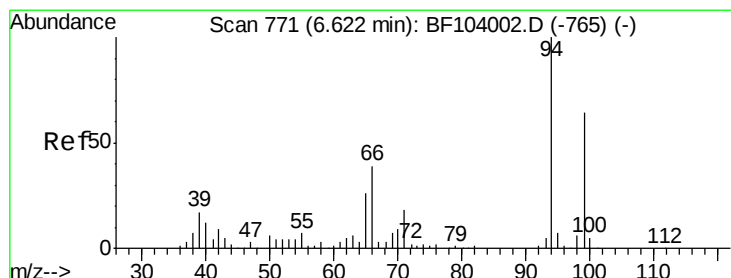
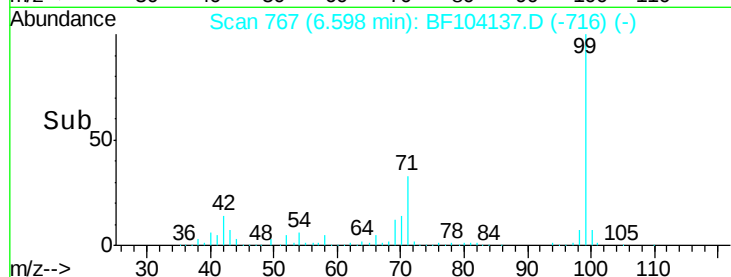
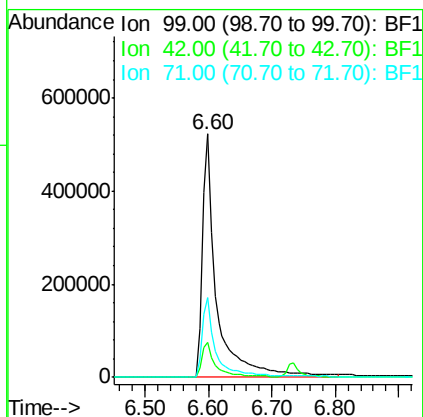
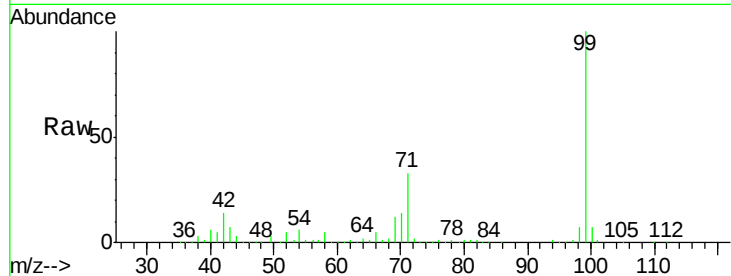
ClientSampled :

TP-3

Tot Ion:	99	Resp:	819404
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.5	21.7#
71	32.7	25.4	38.0

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#10

Phenol

Concen: 6.144 ng

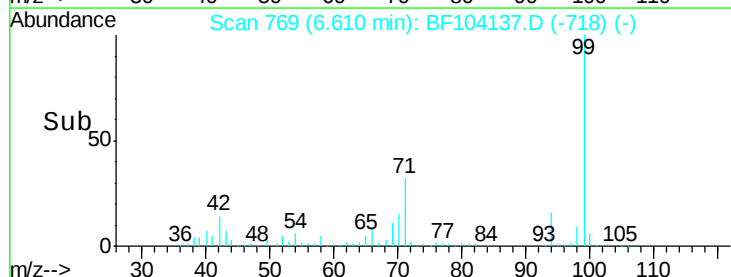
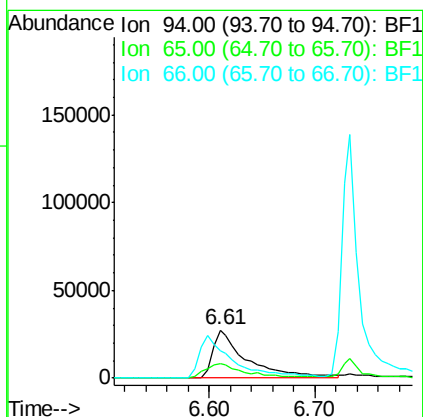
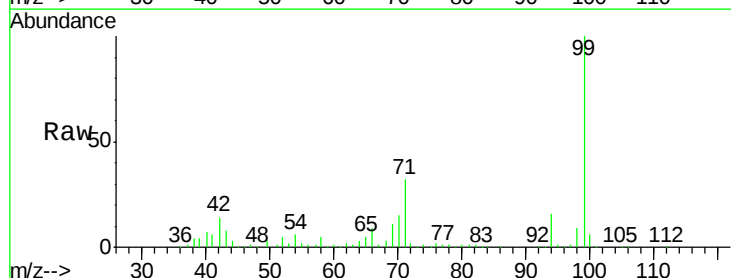
RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Tgt Ion:	94	Resp:	61577
Ion Ratio	Lower	Upper	
94	100		
65	29.9	7.9	47.9
66	56.2	16.2	56.2#





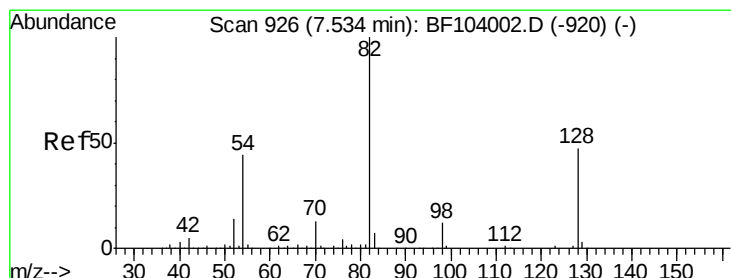
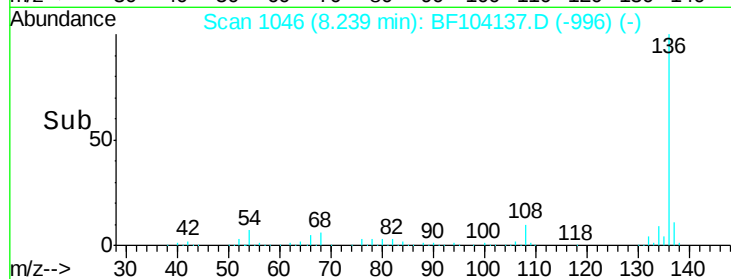
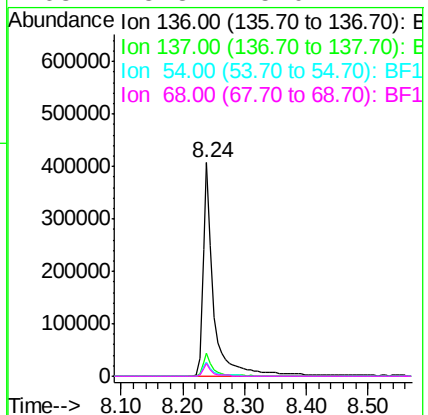
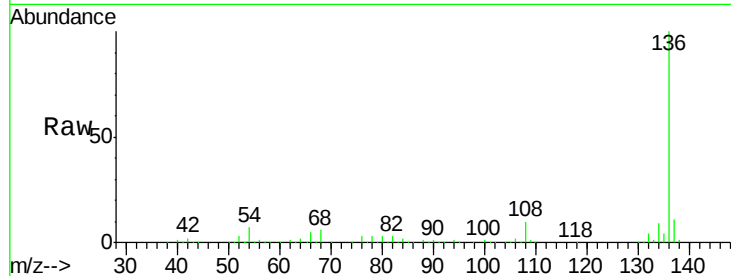
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		502192		
137	10.9		8.9	13.3	
54	6.7		6.6	9.8	
68	5.8		5.0	7.4	

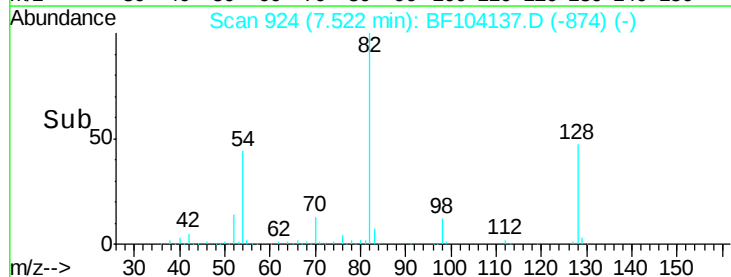
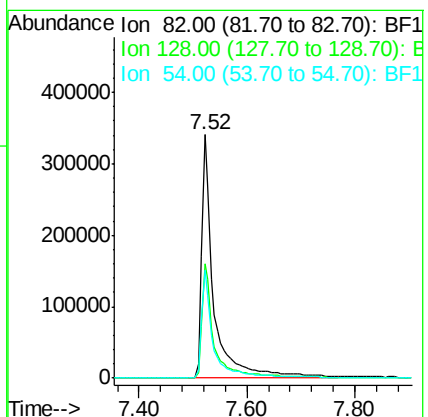
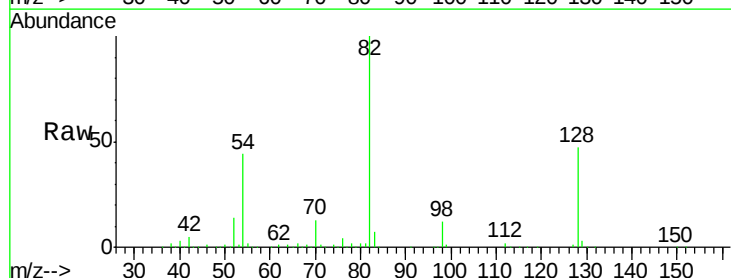
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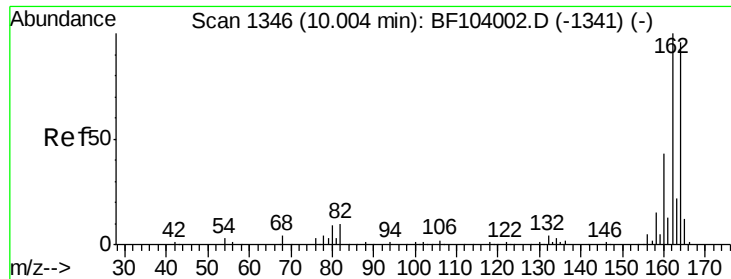
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#23
Nitrobenzene-d5
Concen: 64.895 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		532900		
128	46.9		36.1	54.1	
54	44.2		41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

ClientSampleId :

TP-3

Tot Ion:164 Resp: 237655

Ion Ratio Lower Upper

164 100

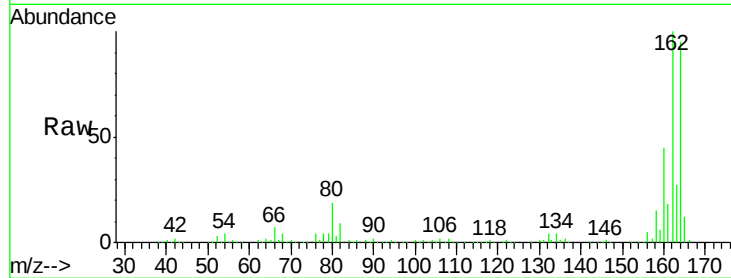
162 104.9 86.1 129.1

160 46.9 38.3 57.5

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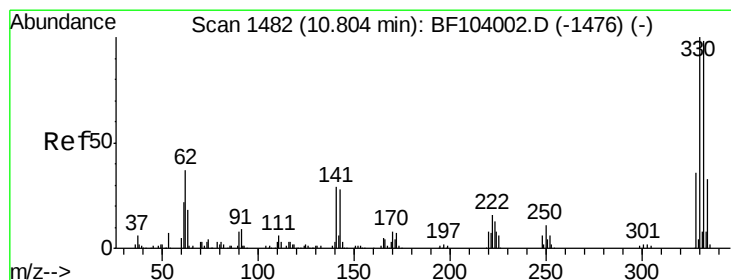
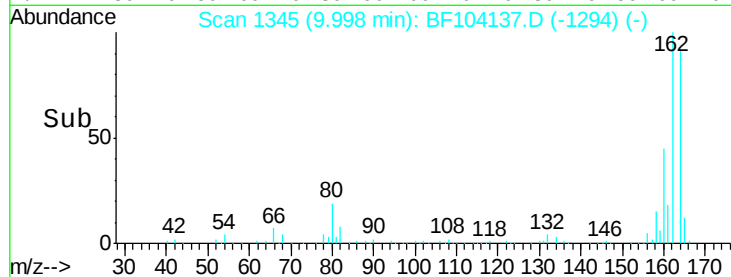
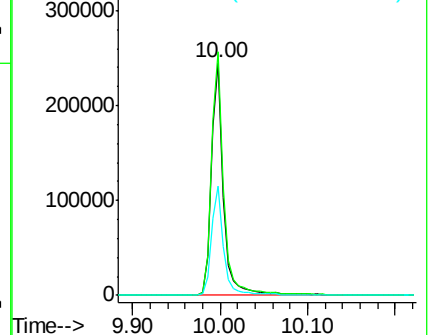
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 80.315 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

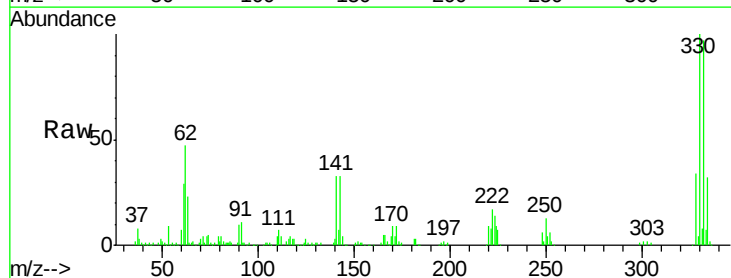
Tgt Ion:330 Resp: 212537

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

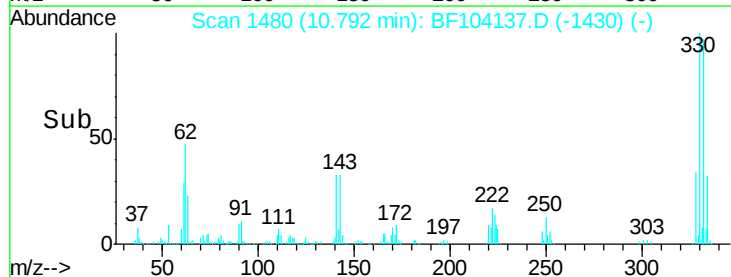
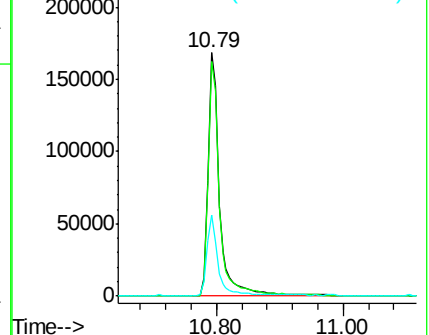
141 32.4 29.9 44.9

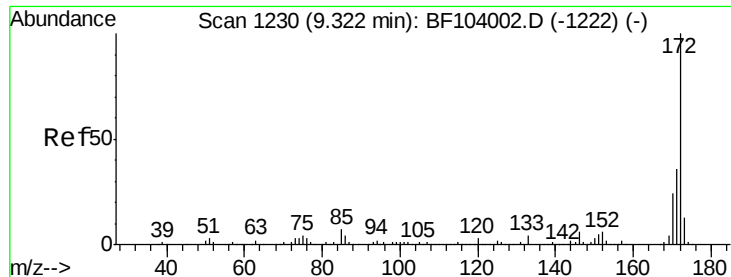


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





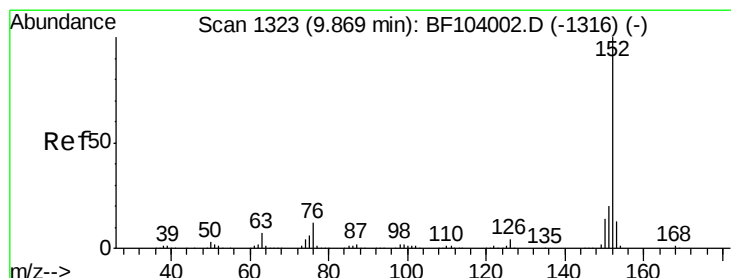
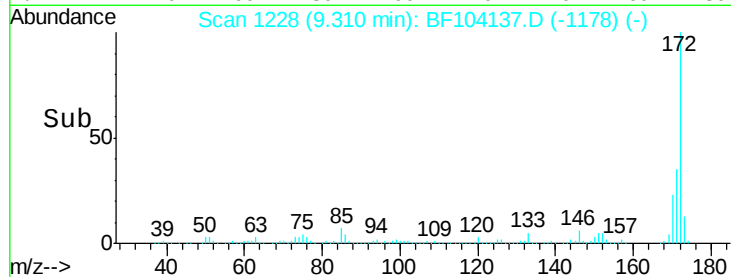
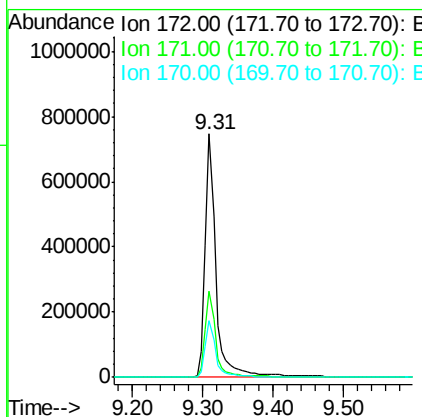
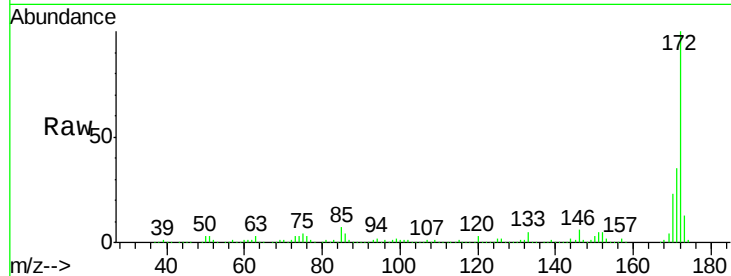
#44
2-Fluorobiphenyl
Concen: 53.513 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.4	19.6	29.4

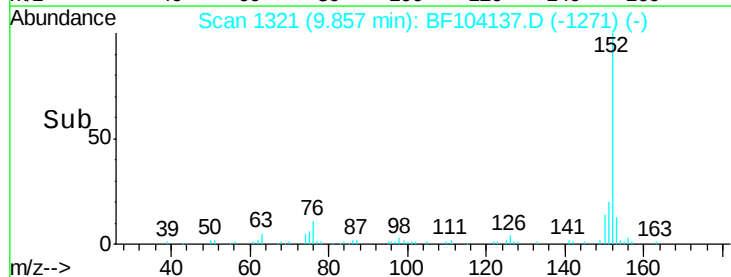
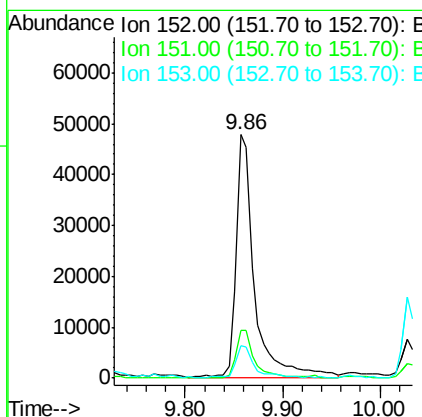
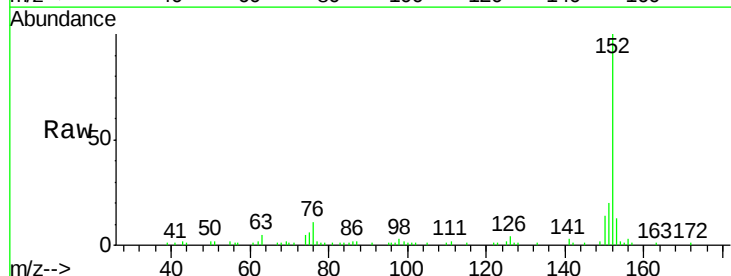
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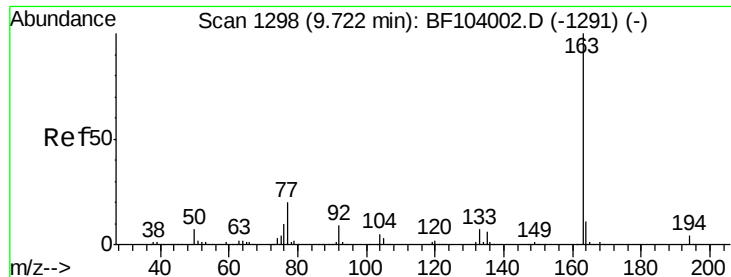
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#48
Acenaphthylene
Concen: 2.608 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.2	10.7	16.1





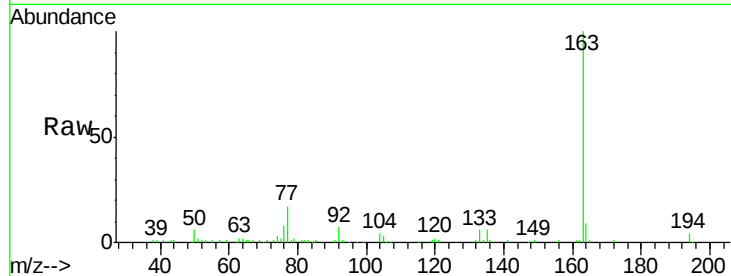
#49
Dimethylphthalate
Concen: 5.807 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampled :
TP-3

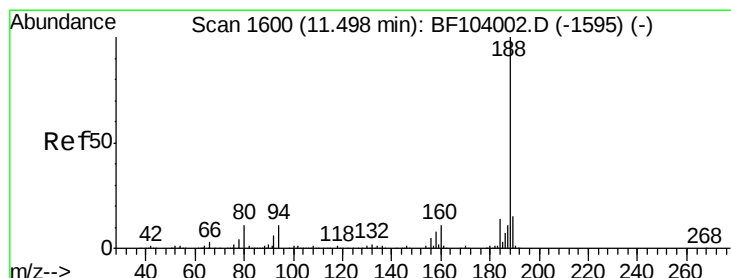
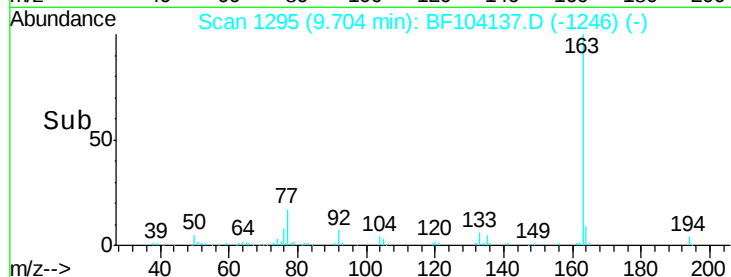
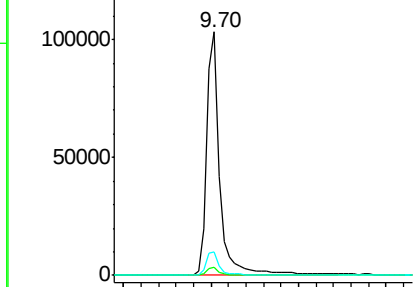
Tot Ion:	163	Resp:	108957
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	9.4	8.2	12.2

Manual Integrations
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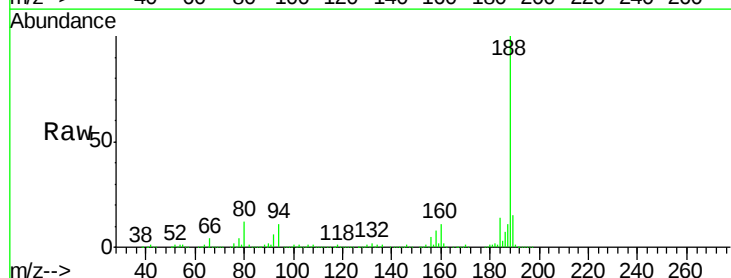


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

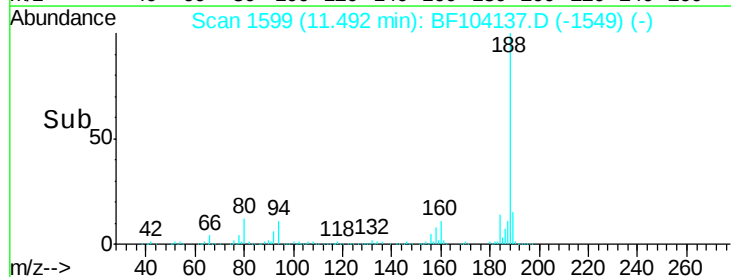
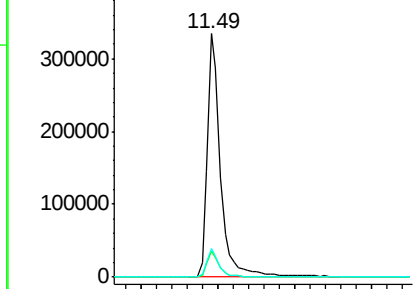


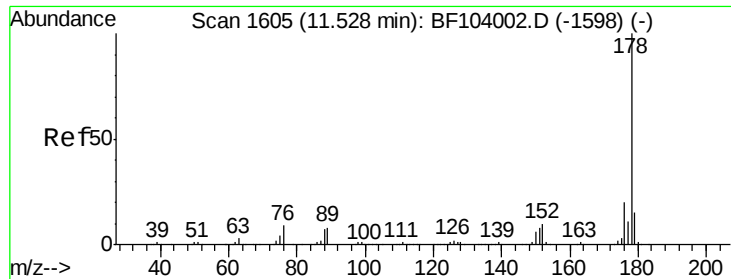
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion:	188	Resp:	397662
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.5	12.7
80	11.8	9.2	13.8



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





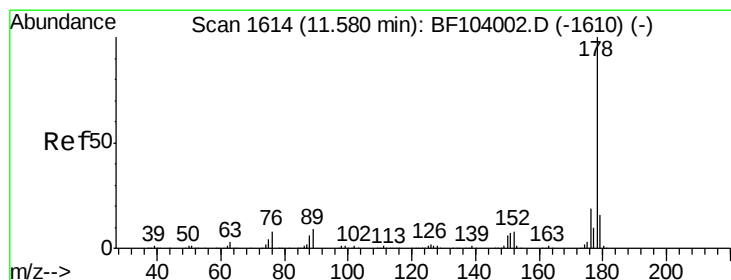
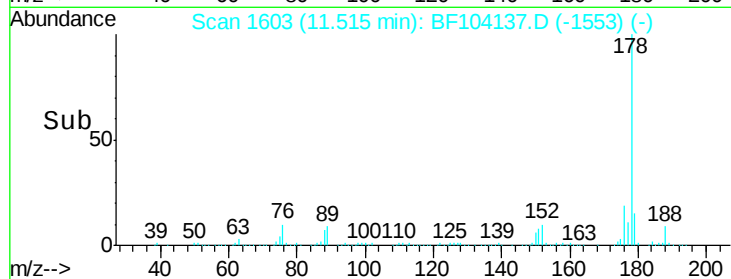
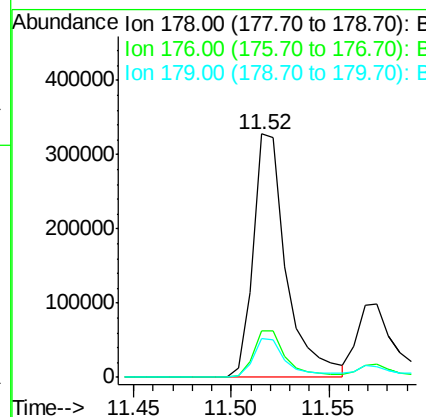
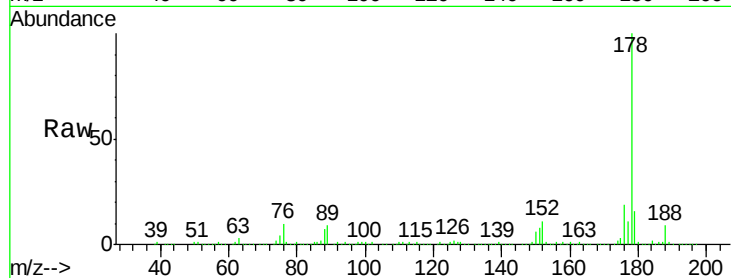
#70
Phenanthrene
Concen: 17.874 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	13.0	19.6

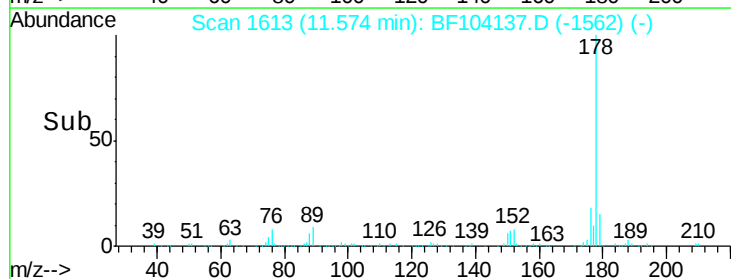
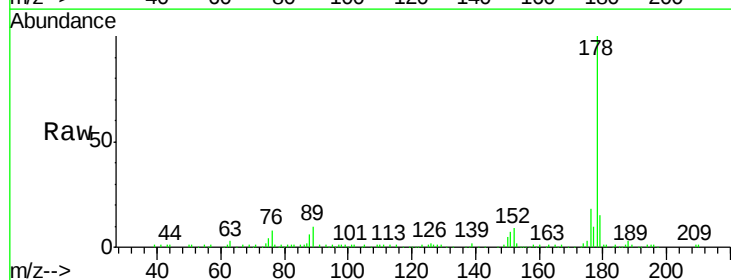
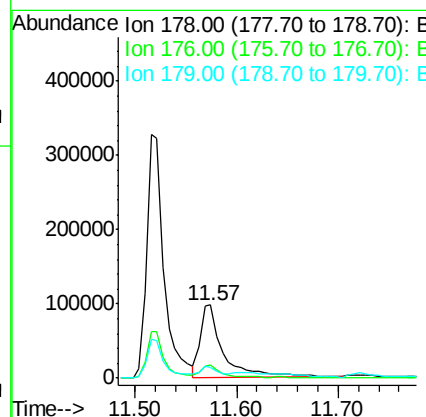
Manual Integrations
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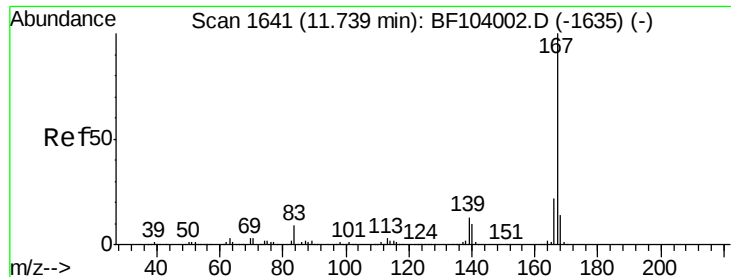
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#71
Anthracene
Concen: 6.620 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.4	12.6	19.0





#72

Carbazole

Concen: 2.106 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

ClientSampled :

TP-3

Tot Ion:167 Resp: 45197

Ion Ratio Lower Upper

167 100

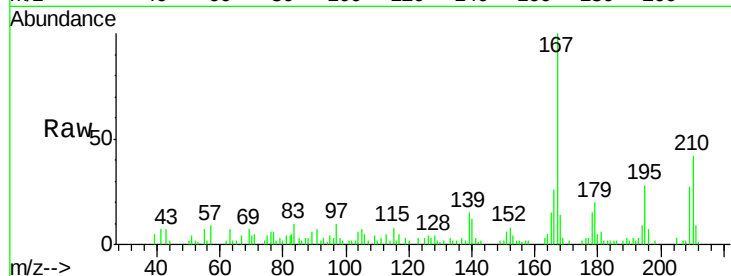
166 26.1 17.6 26.4

139 15.1 10.9 16.3

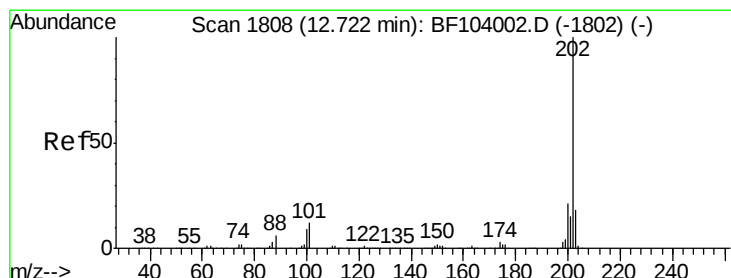
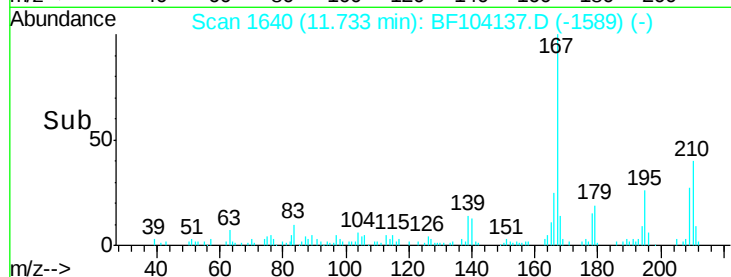
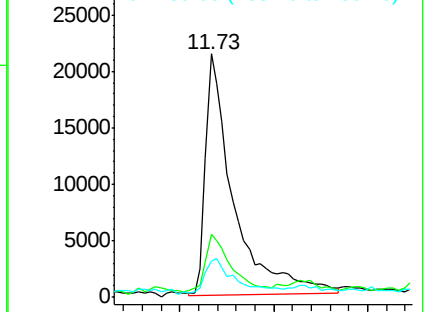
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 43.882 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

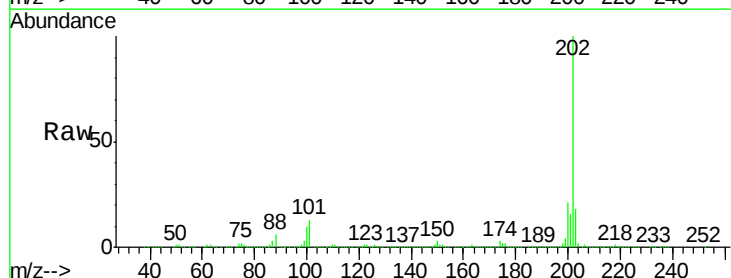
Tgt Ion:202 Resp: 1004256

Ion Ratio Lower Upper

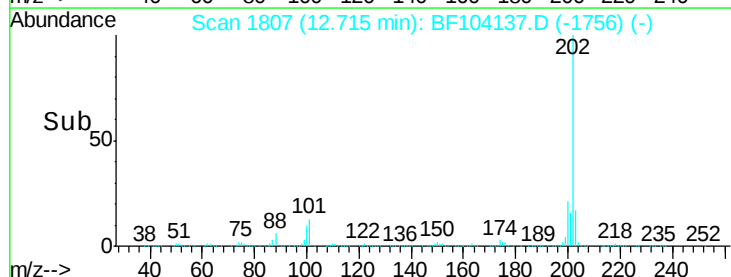
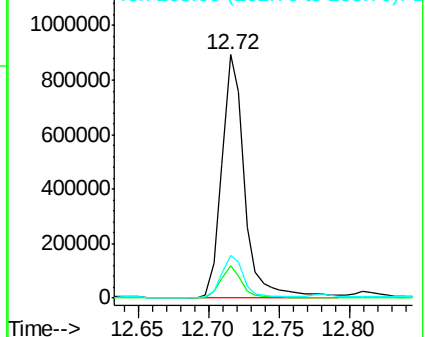
202 100

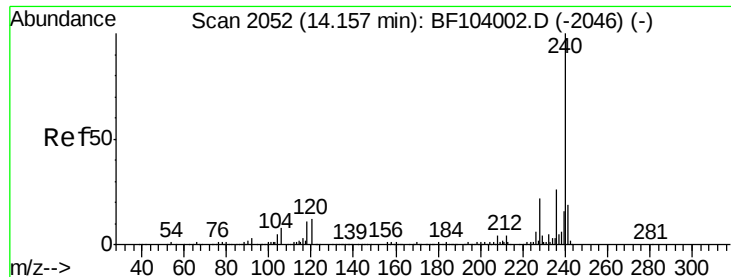
101 13.2 0.0 34.1

203 17.5 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

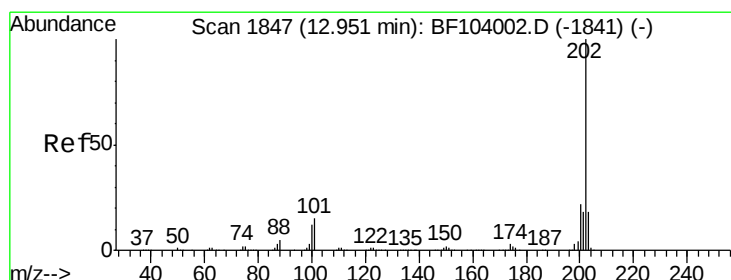
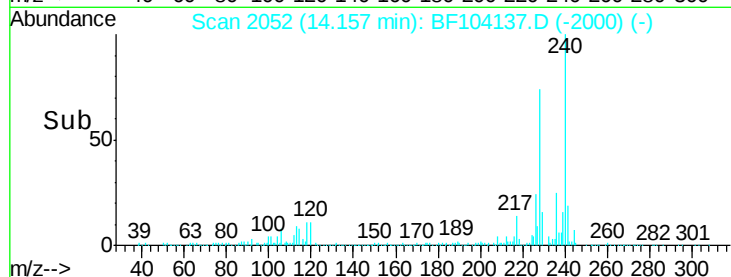
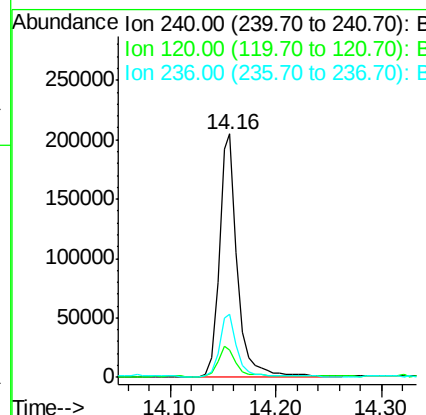
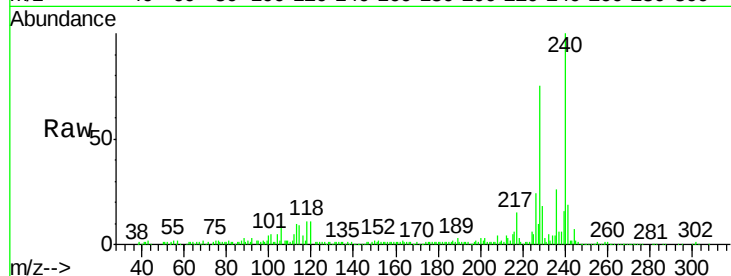
ClientSampled :

TP-3

Tot Ion:	240	Resp:	243406
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 62.217 ng

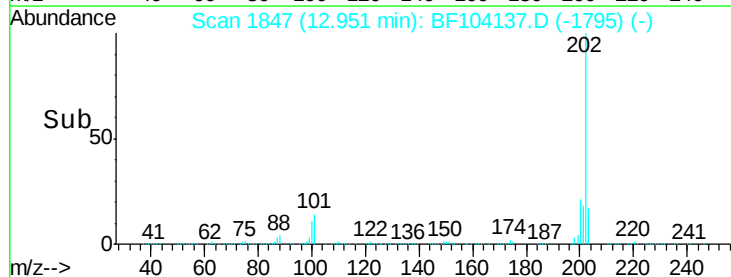
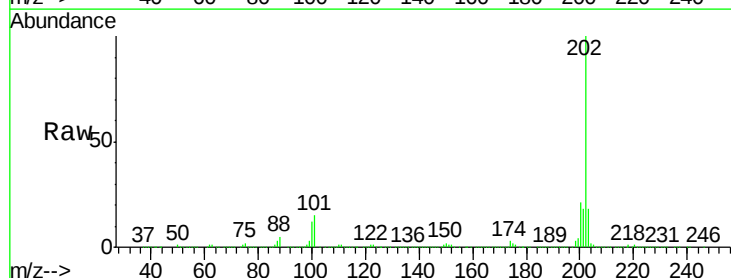
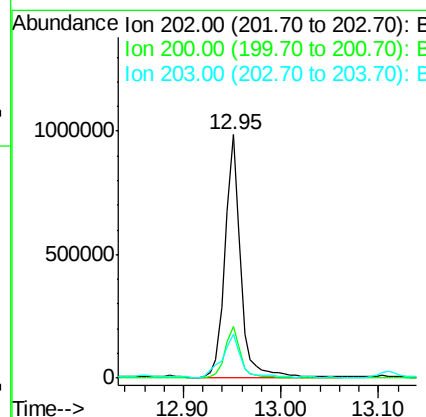
RT: 12.95 min Scan# 1847

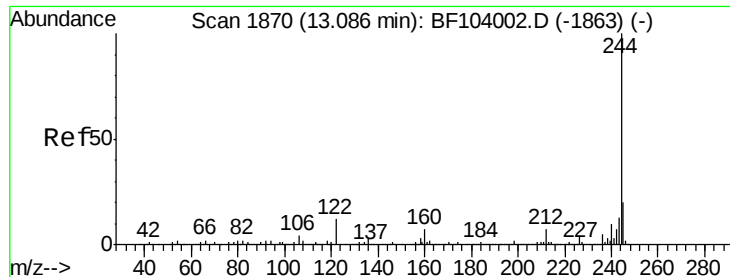
Delta R.T. 0.01 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Tgt Ion:	202	Resp:	1088646
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 54.193 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

ClientSampled :

TP-3

Tot Ion:244 Resp: 571289

Ion Ratio Lower Upper

244 100

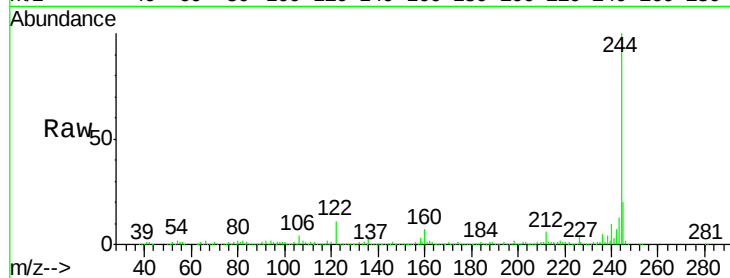
212 6.4 5.4 8.0

122 11.0 11.0 16.4

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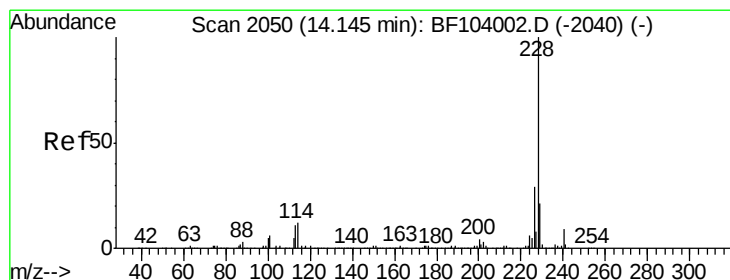
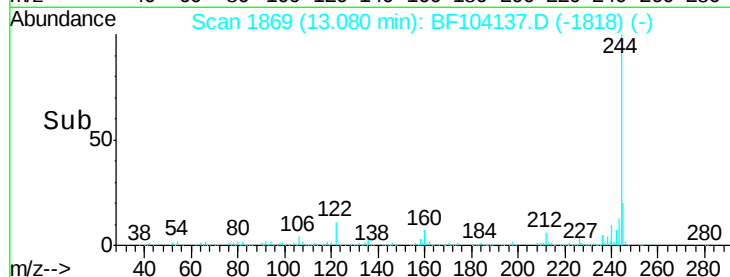
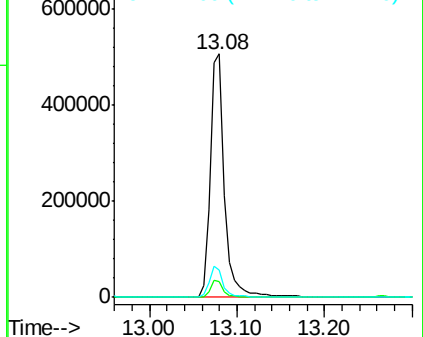
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 38.190 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Tgt Ion:228 Resp: 581653

Ion Ratio Lower Upper

228 100

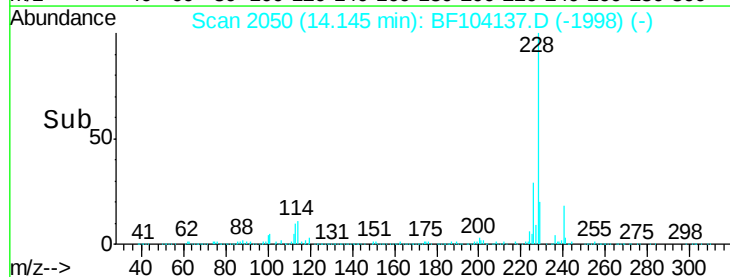
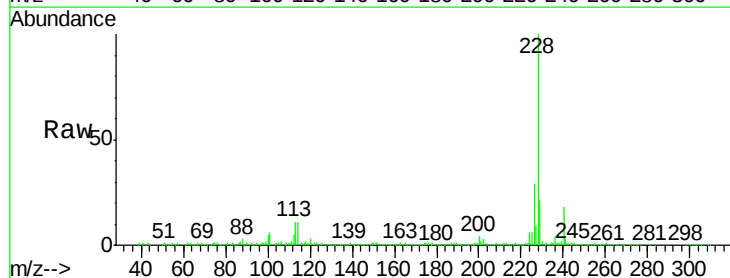
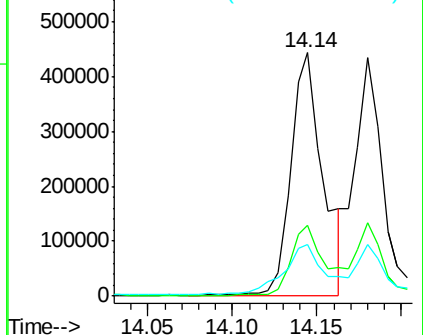
226 29.2 22.6 33.8

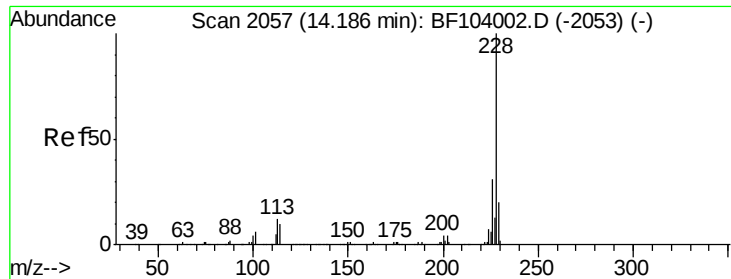
229 21.1 15.8 23.6

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 33.612 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

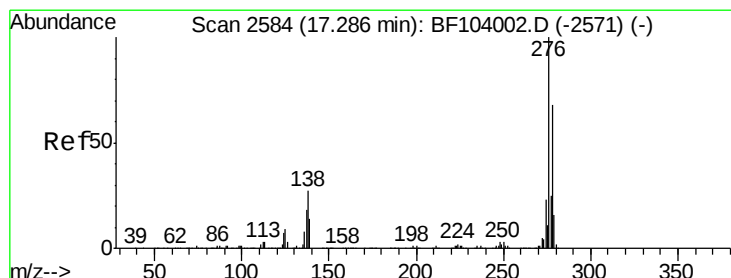
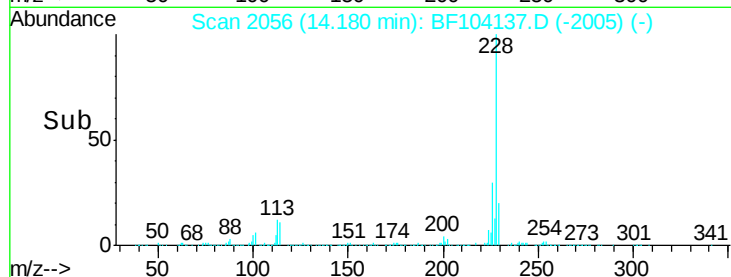
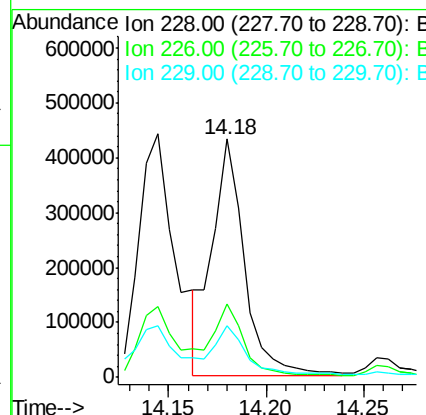
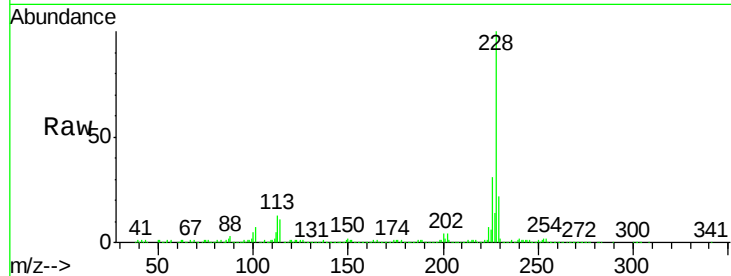
ClientSampled :

TP-3

Tot Ion:	228	Resp:	501407
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.825 ng

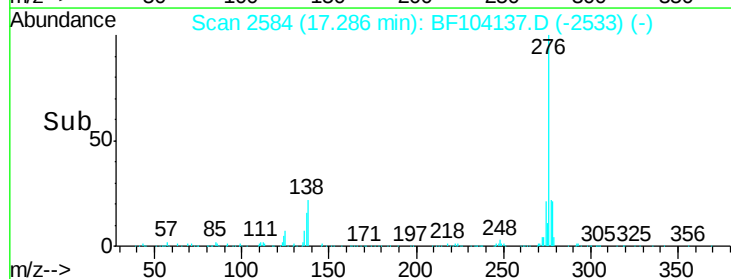
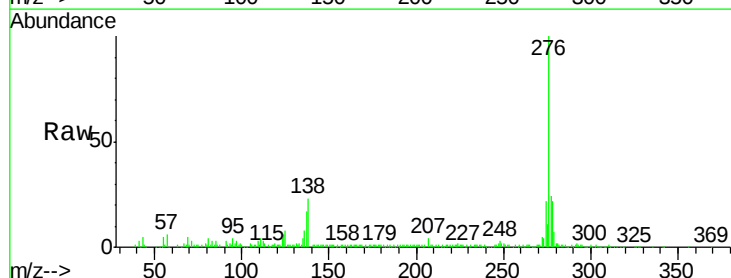
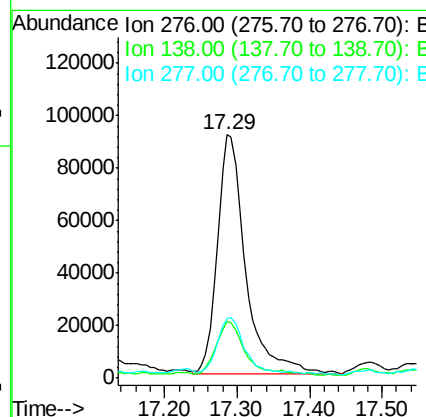
RT: 17.29 min Scan# 2584

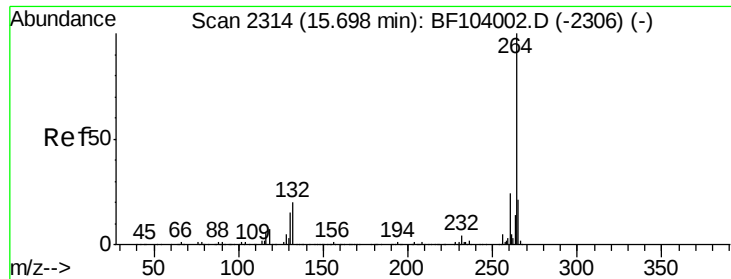
Delta R.T. -0.00 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Tgt Ion:	276	Resp:	244623
Ion Ratio	Lower	Upper	
276	100		
138	23.6	25.0	37.6#
277	21.4	20.1	30.1





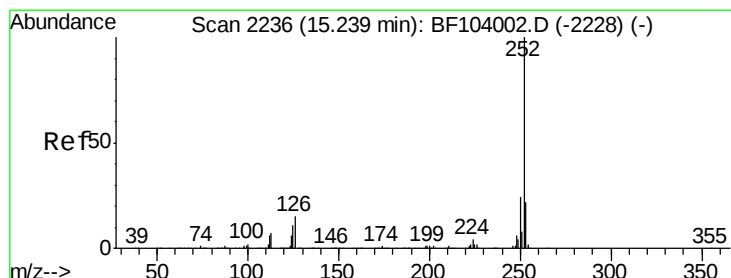
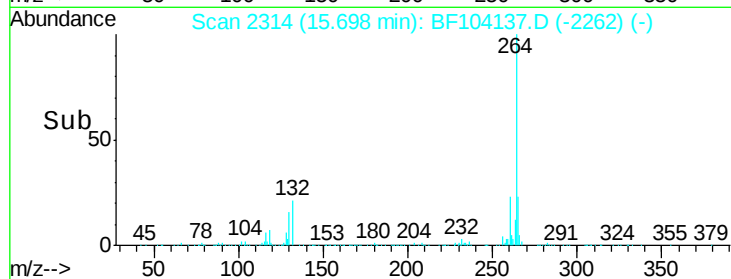
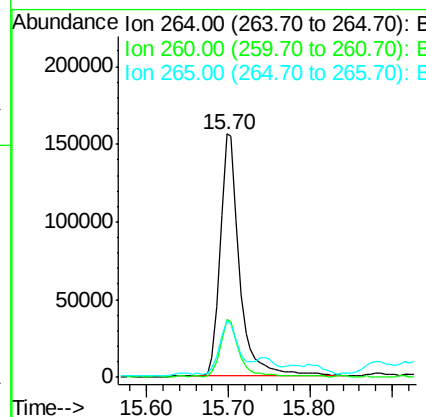
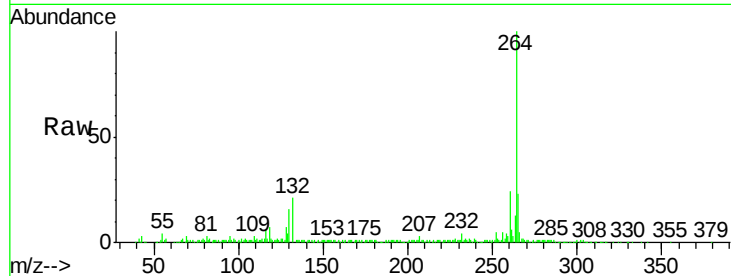
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion:	264	Resp:	256481
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	23.1	17.5	26.3

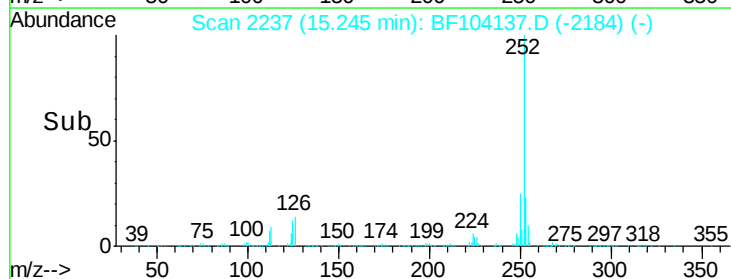
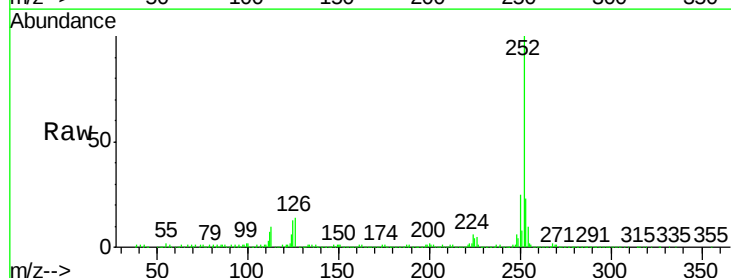
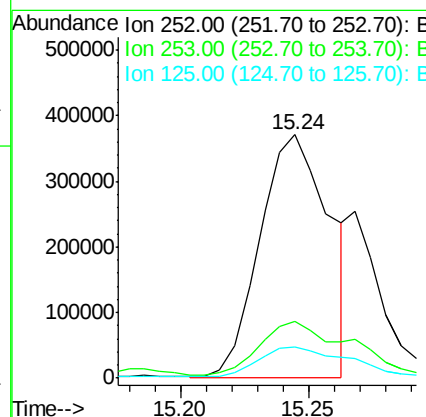
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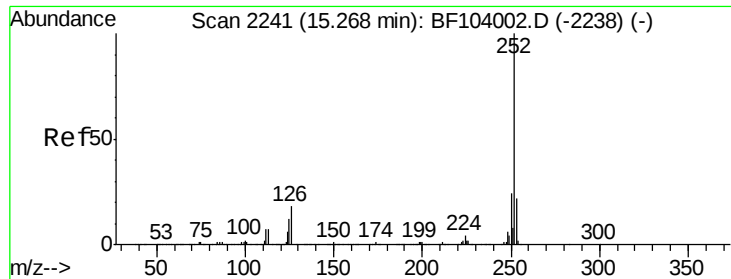
Sohil
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#87
Benzo(b)fluoranthene
Concen: 44.860 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion:	252	Resp:	700235
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	12.8	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 16.467 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.01 min

Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Instrument :

BNA_F

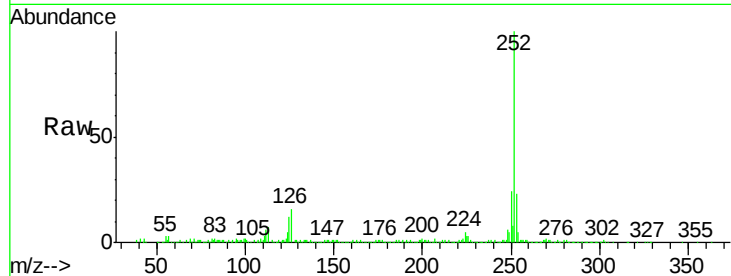
ClientSampled :

TP-3

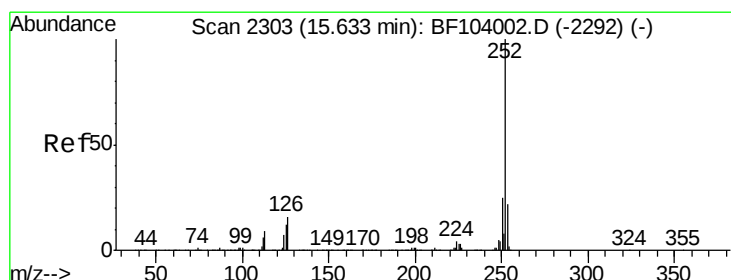
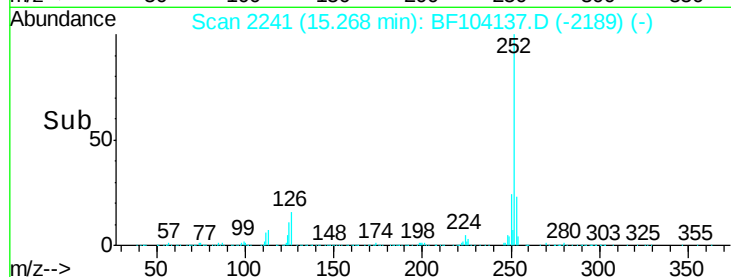
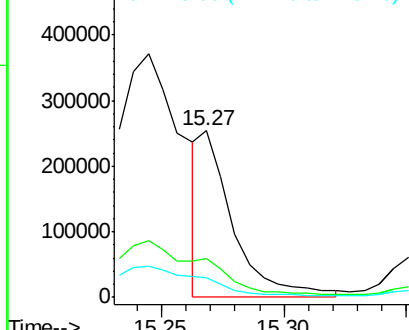
Tot Ion:	252	Resp:	242137
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	11.8	10.2	15.2

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



#89

Benzo(a)pyrene

Concen: 32.443 ng

RT: 15.63 min Scan# 2303

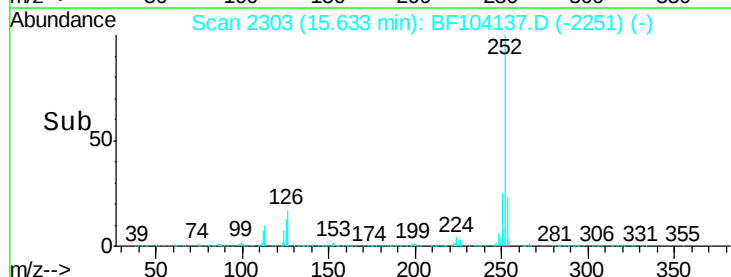
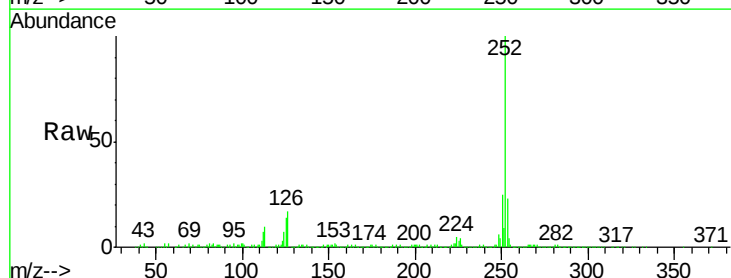
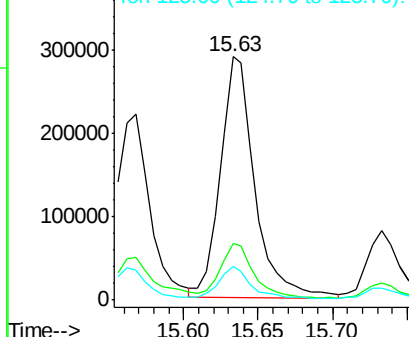
Delta R.T. 0.01 min

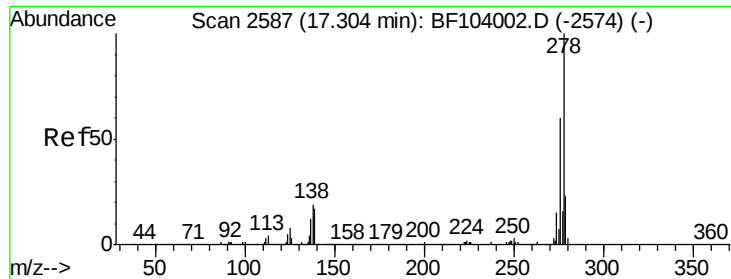
Lab File: BF104137.D

Acq: 2 Apr 2018 16:07

Tgt Ion:	252	Resp:	469282
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	13.9	9.8	14.6

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





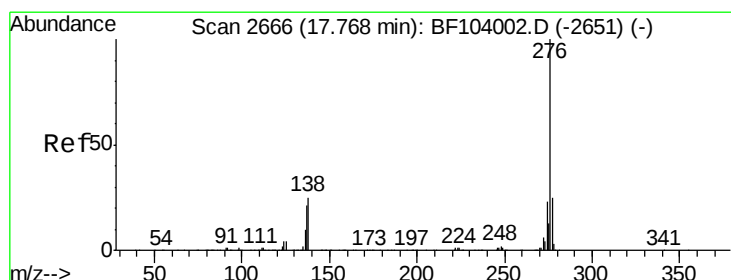
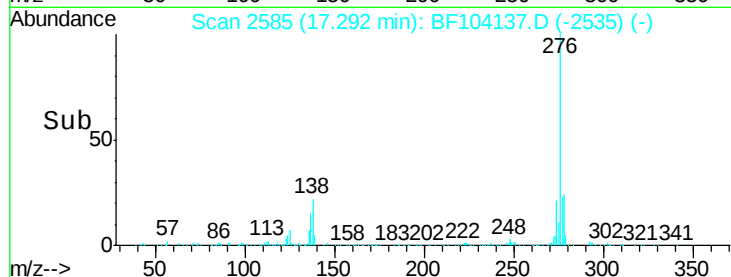
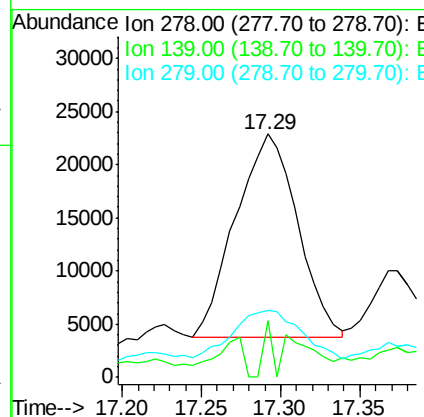
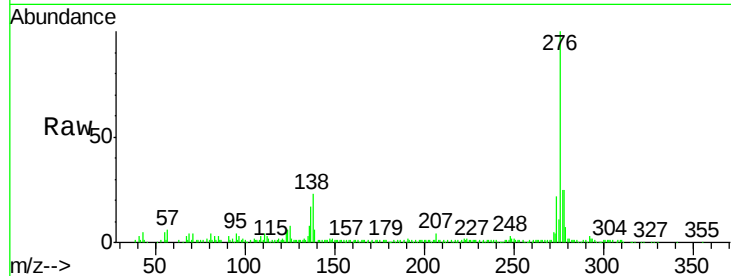
#90
Dibenzo(a,h)anthracene
Concen: 3.894 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	15.9	23.9
279	27.3	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 16.123 ng
RT: 17.77 min Scan# 2667
Delta R.T. 0.01 min
Lab File: BF104137.D
Acq: 2 Apr 2018 16:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	24.4	21.8	32.8

