

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107093.D
 Acq On : 3 Jul 2018 20:18
 Operator : JU/SJ
 Sample : J3840-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Manual Integrations
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Quant Time: Jul 04 00:03:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	51344	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	171495	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	74699	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	157738	20.00	ng	0.00
75) Chrysene-d12	14.15	240	129133	20.00	ng	-0.02
86) Perylene-d12	15.69	264	95907	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	297946	98.26	ng	0.00
7) Phenol-d6	6.60	99	360210	95.13	ng	-0.01
23) Nitrobenzene-d5	7.52	82	193903	62.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	93558	108.06	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	333054	73.47	ng	-0.01
78) Terphenyl-d14	13.08	244	441001	82.72	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.86	152	20135	2.722	ng	99
49) Dimethylphthalate	9.70	163	76641	13.680	ng	99
51) Acenaphthene	10.03	154	16100	3.456	ng	99
54) Dibenzofuran	10.21	168	16114	2.526	ng	93
57) Fluorene	10.55	166	16903	3.339	ng	99
70) Phenanthrene	11.52	178	341652	44.907	ng	99
71) Anthracene	11.57	178	73459	9.460	ng	98
72) Carbazole	11.73	167	20268	2.788	ng	97
74) Fluoranthene	12.72	202	519984	62.009	ng	95
77) Pyrene	12.95	202	481690	56.567	ng	99
80) Benzo(a)anthracene	14.14	228	186762	23.730	ng	98
82) Chrysene	14.18	228	168236	23.235	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	63951	10.408	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	145446m	24.413	ng	
88) Benzo(k)fluoranthene	15.26	252	57420m	10.121	ng	
89) Benzo(a)pyrene	15.62	252	112350	21.213	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	15830m	3.527	ng	
91) Benzo(g,h,i)perylene	17.77	276	65796	14.997	ng	# 87

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

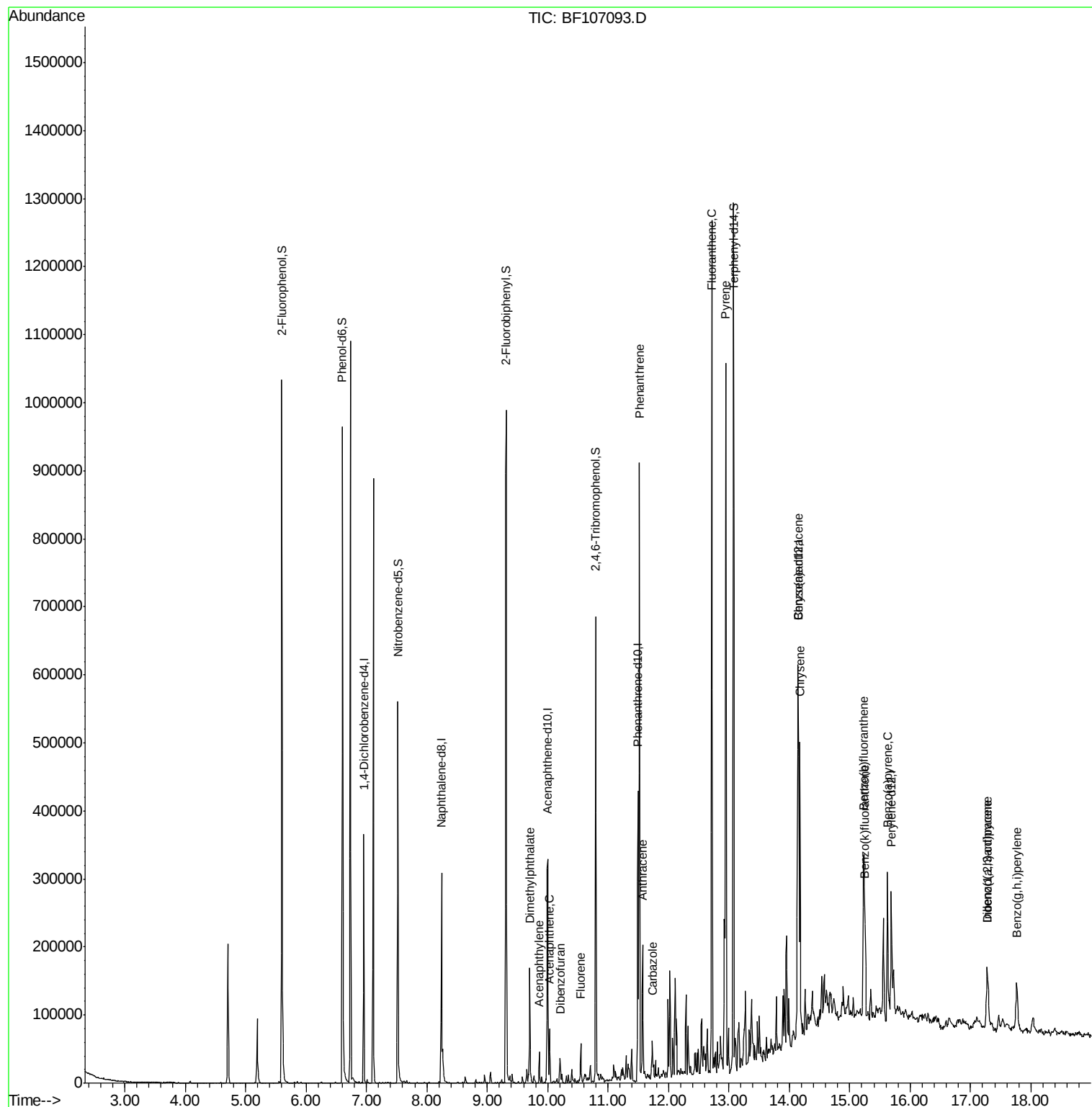
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#1

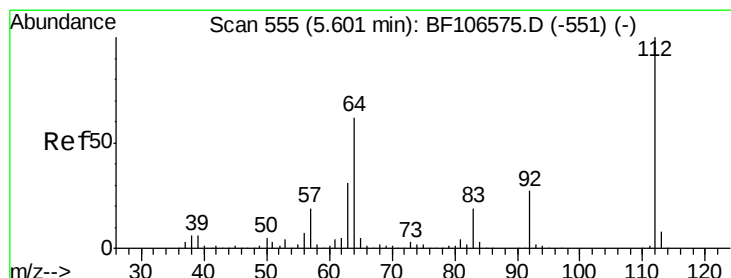
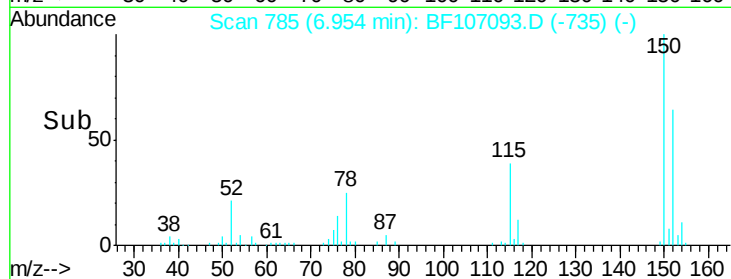
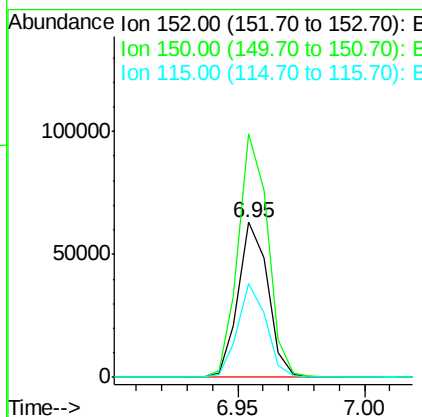
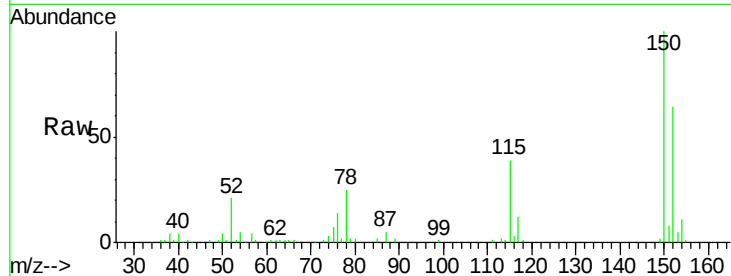
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampled :
TP-6-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	60.5	50.1	75.1

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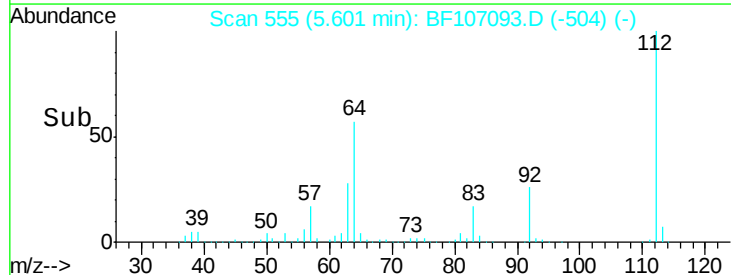
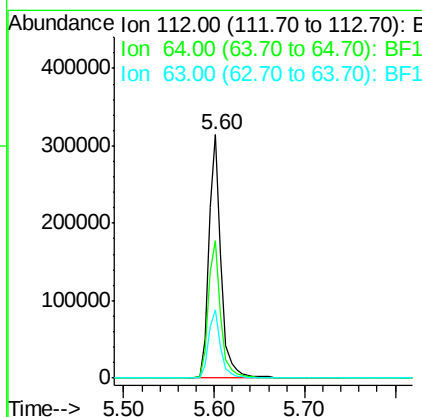
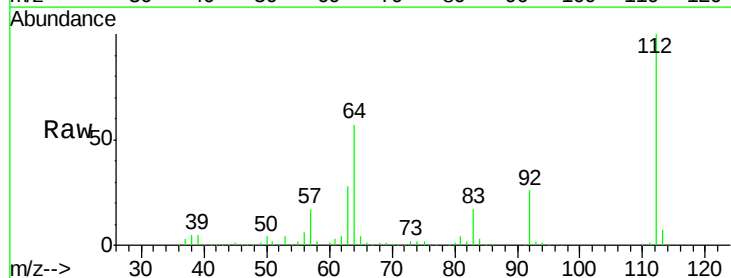
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#5

2-Fluorophenol
Concen: 98.262 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 95.128 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Instrument :

BNA_F

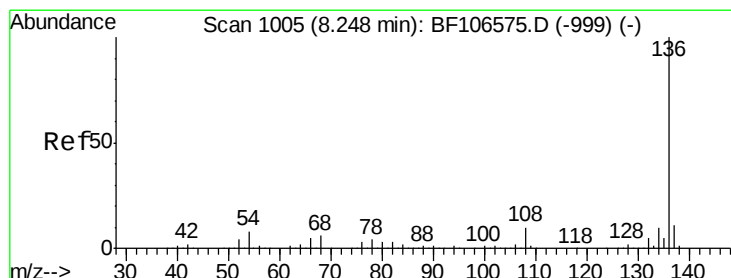
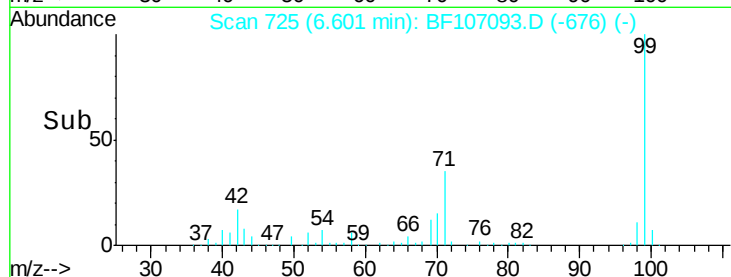
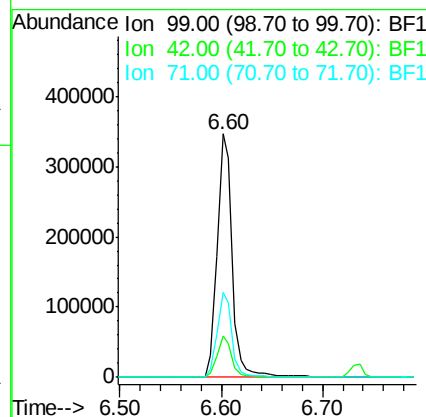
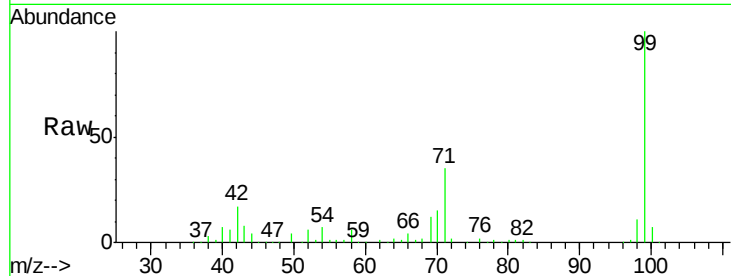
ClientSampled :

TP-6-S

Tot Ion:	99	Resp:	360210
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.5	21.7
71	34.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

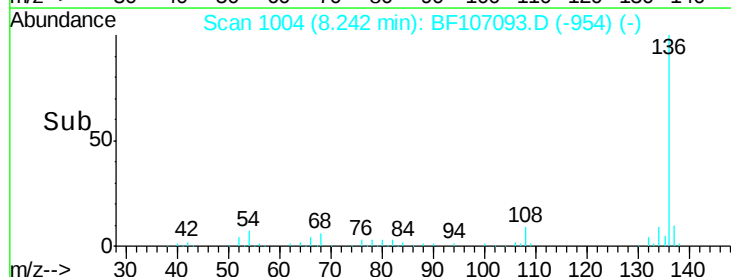
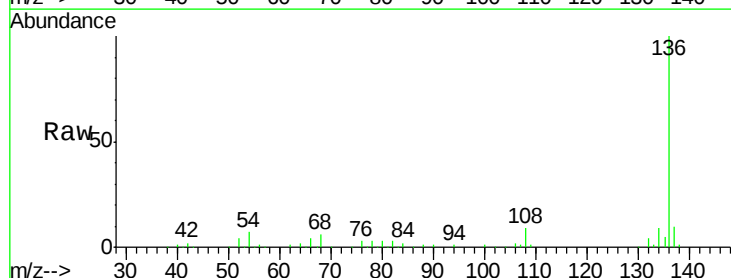
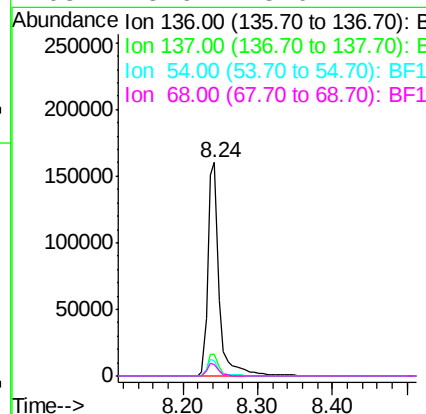
RT: 8.24 min Scan# 1004

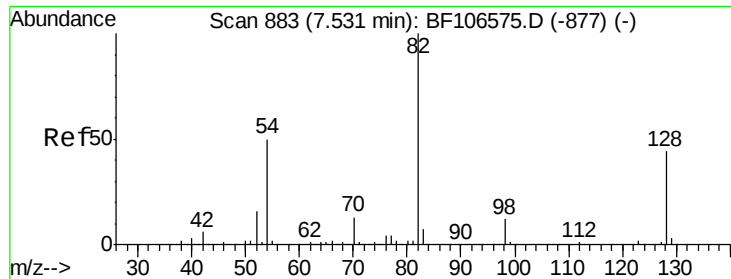
Delta R.T. -0.01 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Tgt Ion:	136	Resp:	171495
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	7.3	6.6	9.8
68	5.6	5.0	7.4





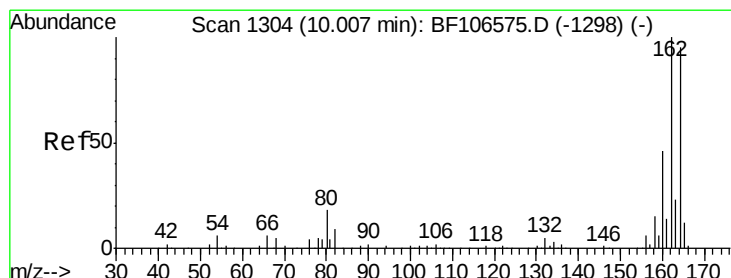
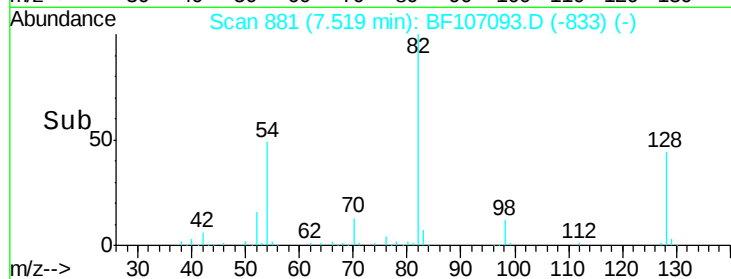
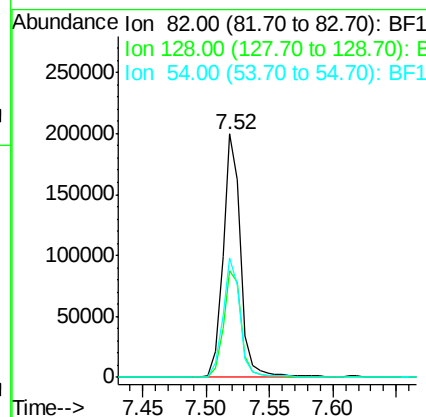
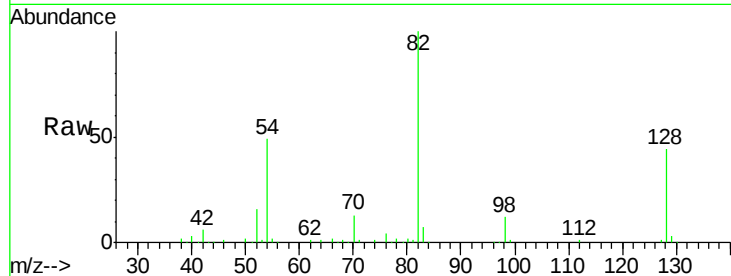
#23
Nitrobenzene-d5
Concen: 62.835 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampled :
TP-6-S

Tot Ion	82	Resp	193903
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.1	54.1
54	49.3	41.4	62.2

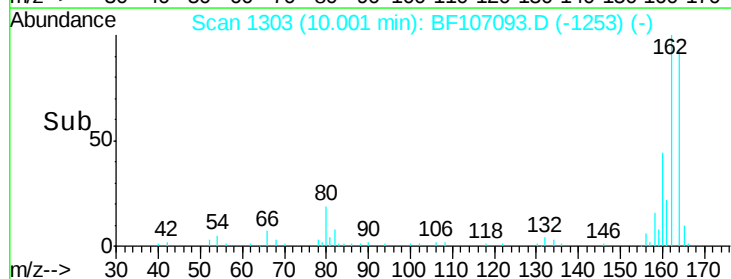
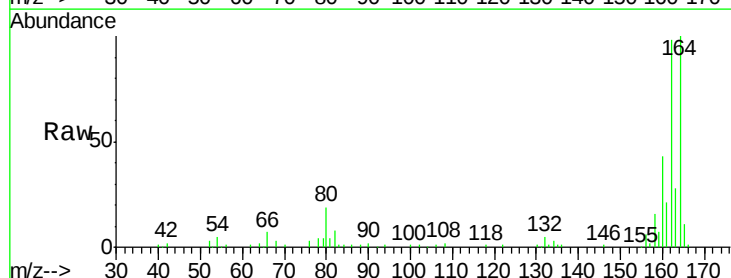
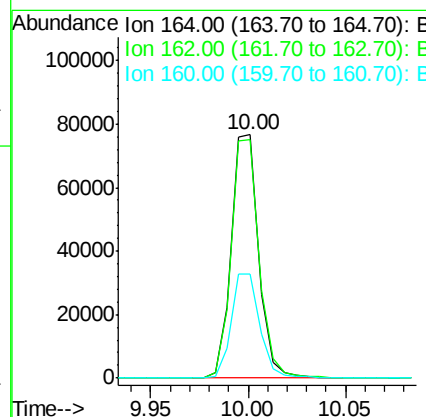
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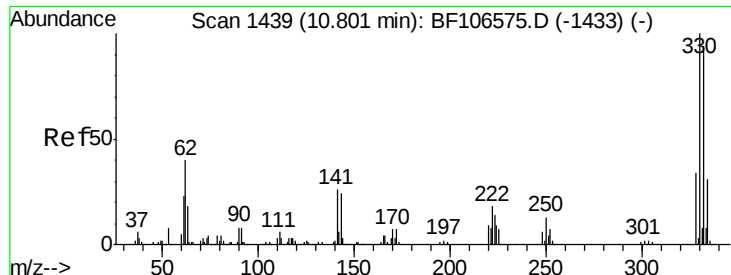
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	164	Resp	74699
Ion Ratio	Lower	Upper	
164	100		
162	97.7	86.1	129.1
160	43.0	38.3	57.5





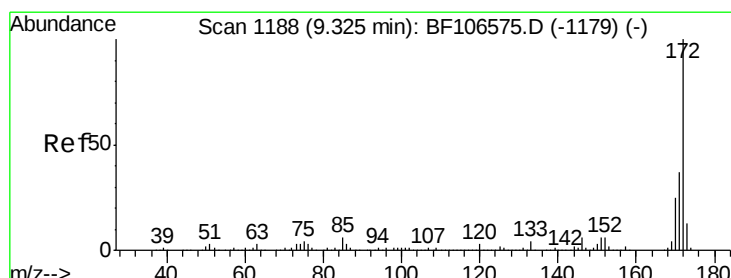
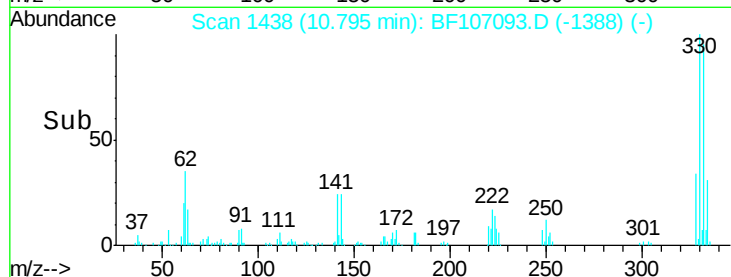
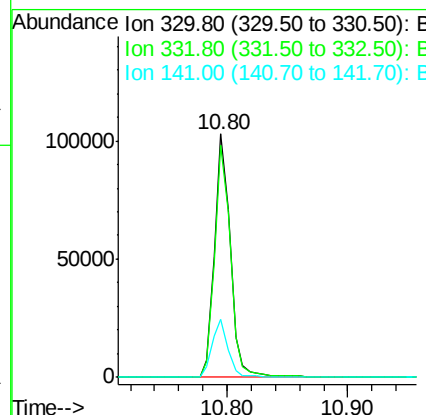
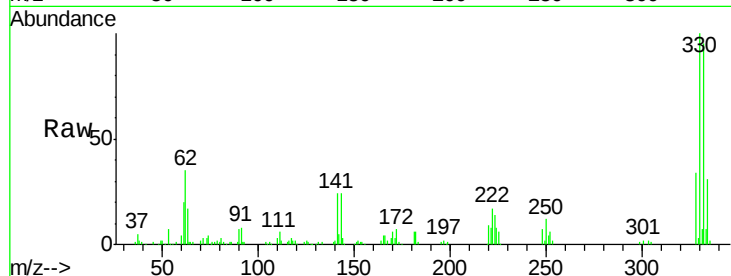
#41
 2,4,6-Tribromophenol
 Concen: 108.062 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107093.D
 Acq: 3 Jul 2018 20:18

Instrument :
 BNA_F
 ClientSampled :
 TP-6-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	24.2	29.9	44.9#

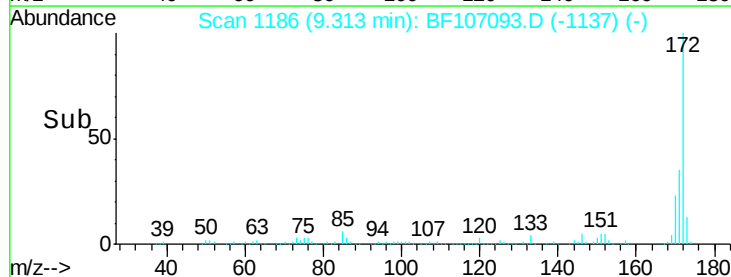
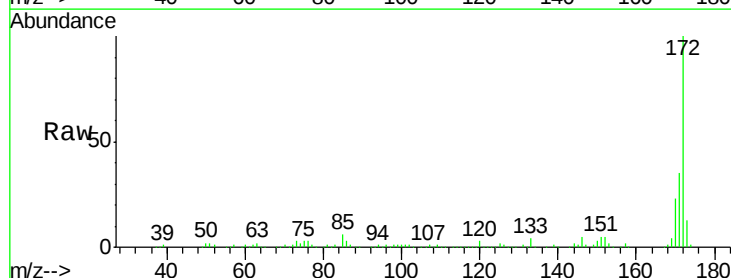
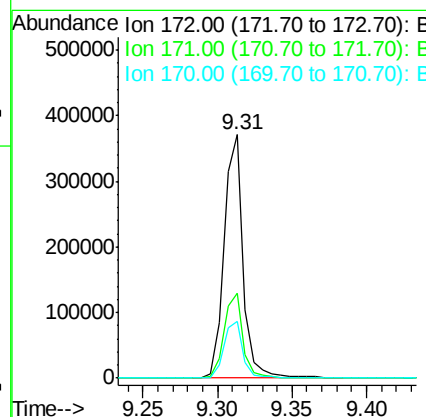
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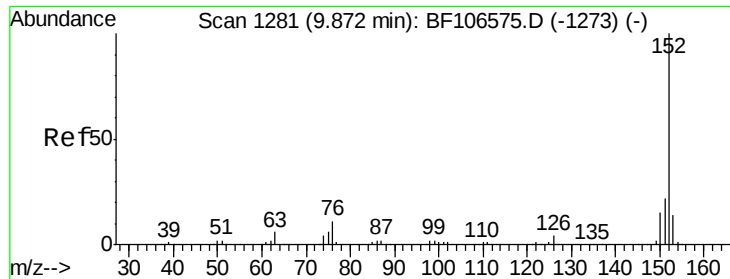
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#44
 2-Fluorobiphenyl
 Concen: 73.466 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107093.D
 Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.4	19.6	29.4





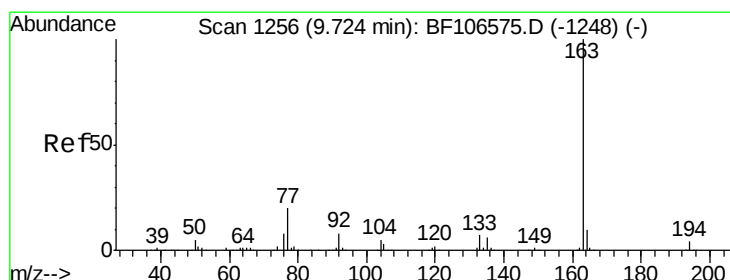
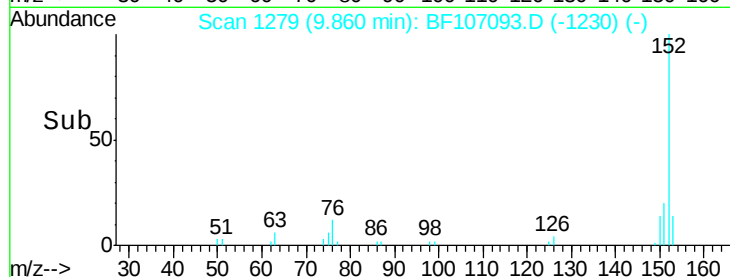
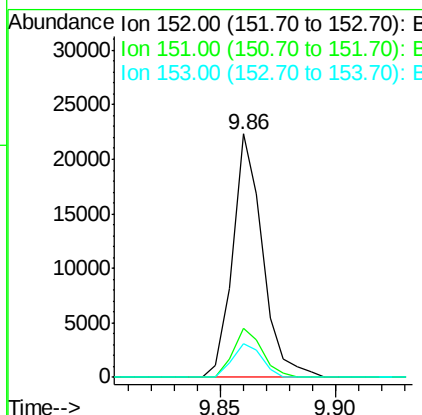
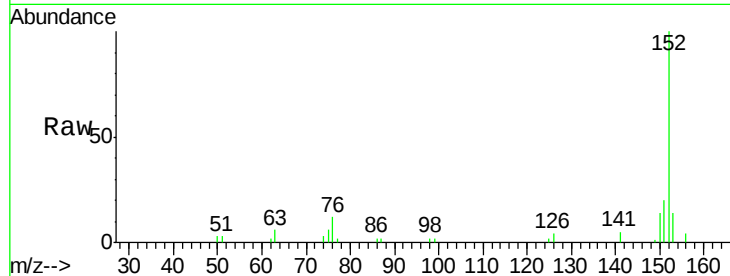
#48
Acenaphthylene
Concen: 2.722 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	14.0	10.7	16.1

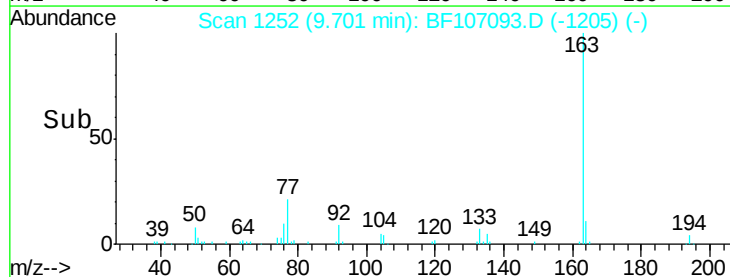
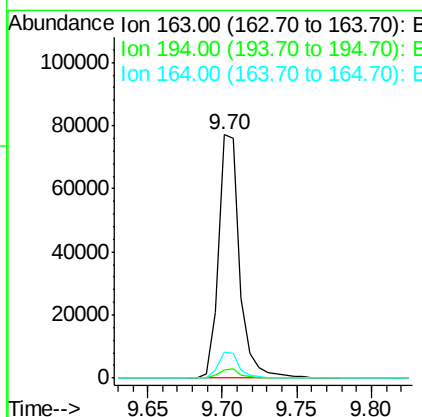
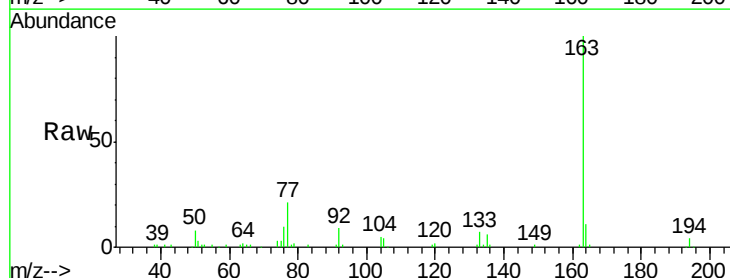
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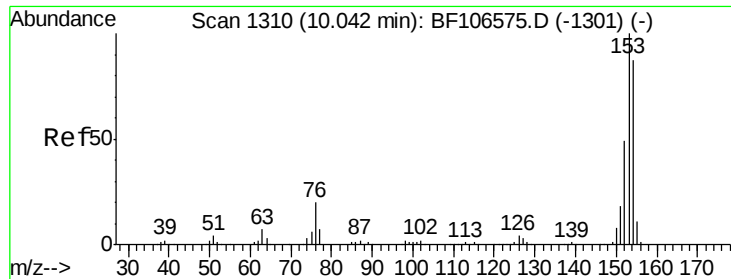
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#49
Dimethylphthalate
Concen: 13.680 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.5	8.2	12.2





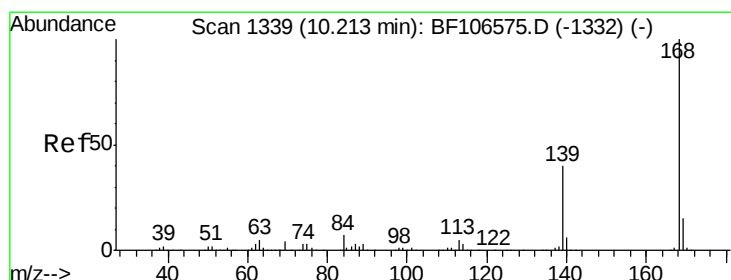
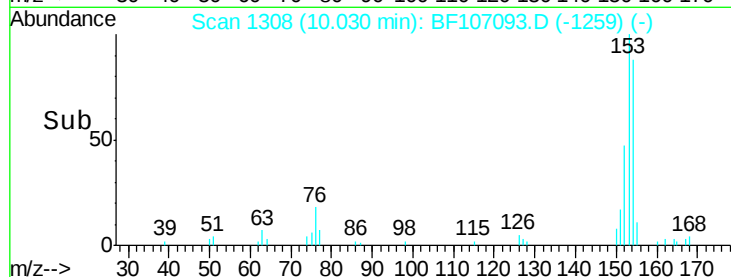
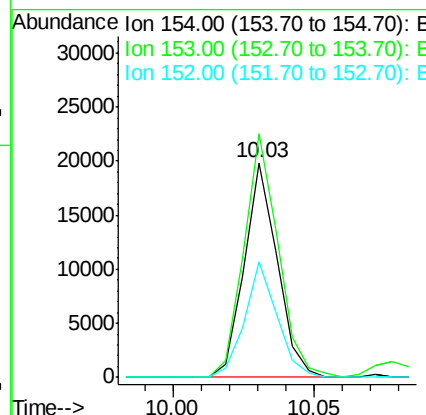
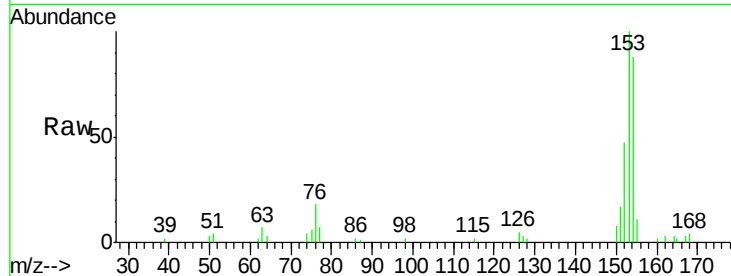
#51
Acenaphthene
Concen: 3.456 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.2	136.8
152	53.8	43.8	65.8

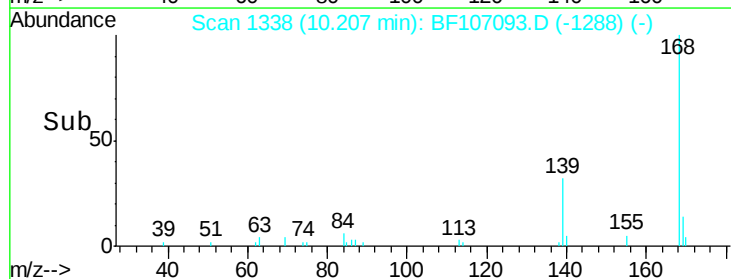
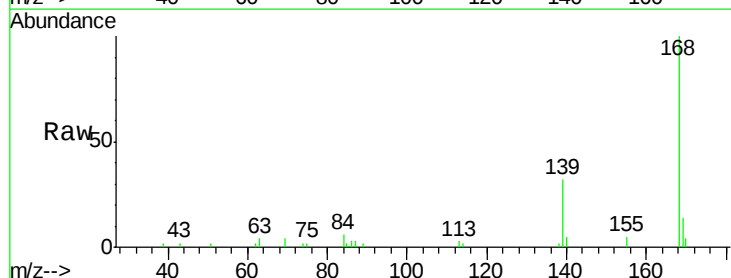
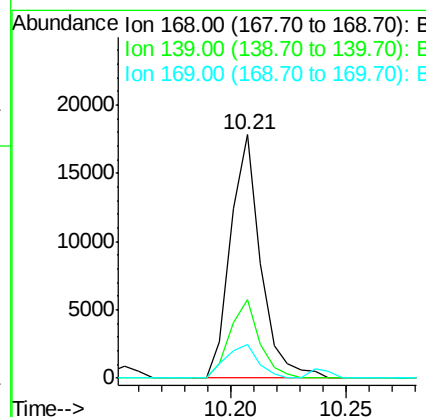
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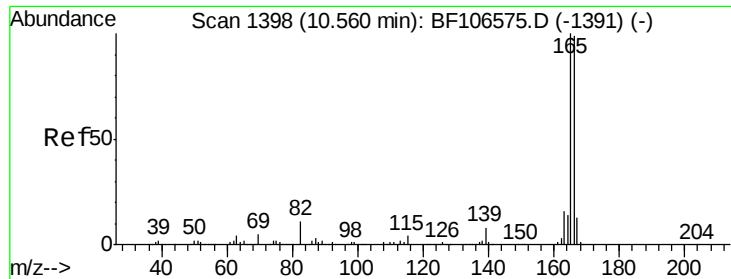
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#54
Dibenzofuran
Concen: 2.526 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.1	30.1	45.1
169	13.9	10.9	16.3





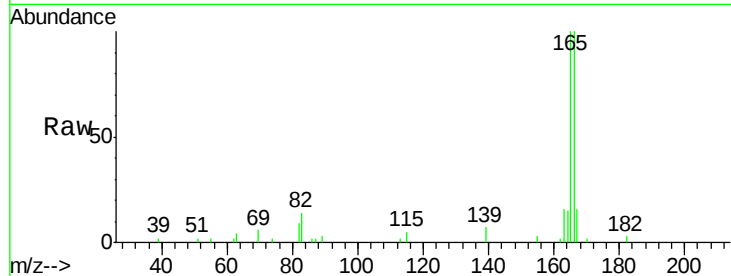
#57
Fluorene
 Concen: 3.339 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107093.D
 Acq: 3 Jul 2018 20:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	15.8	10.6	16.0

Manual Integrations
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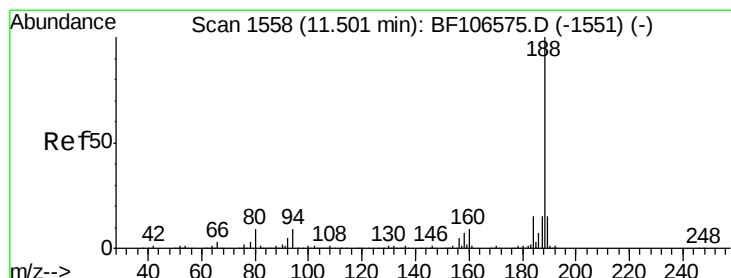
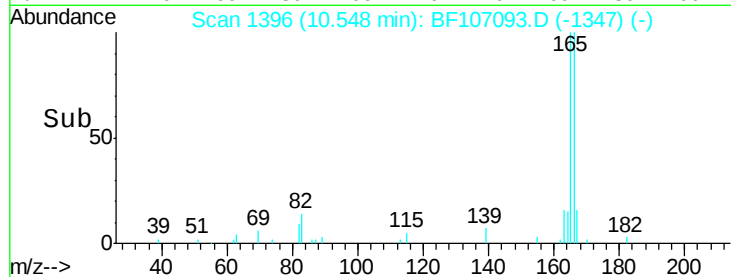
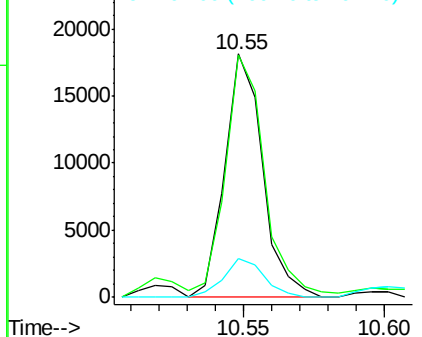


Abundance

Ion 166.00 (165.70 to 166.70): E

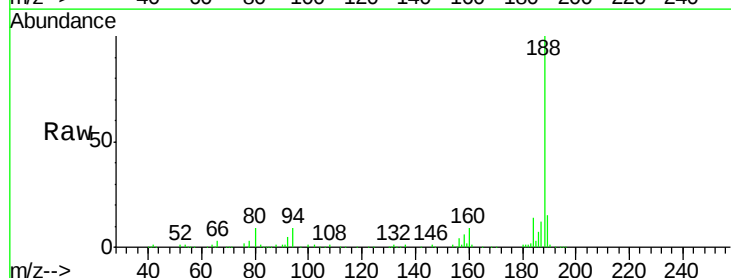
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107093.D
 Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	8.7	9.2	13.8#

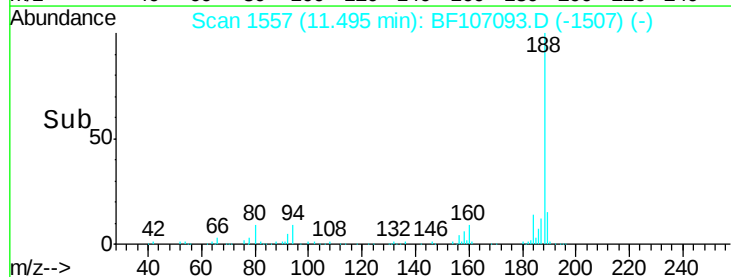
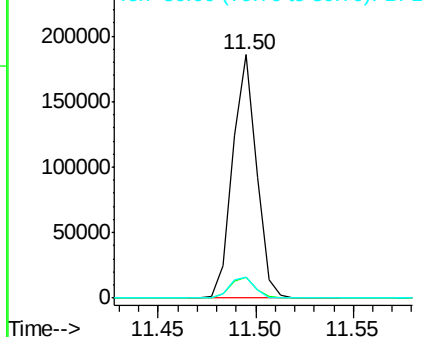


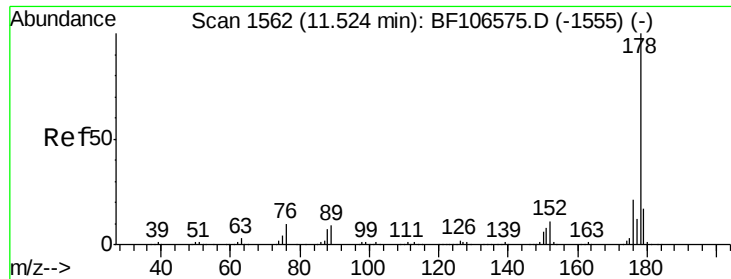
Abundance

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





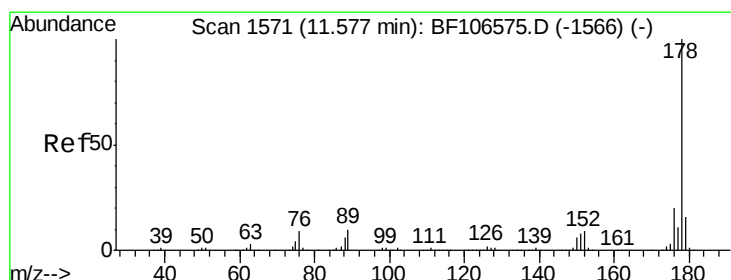
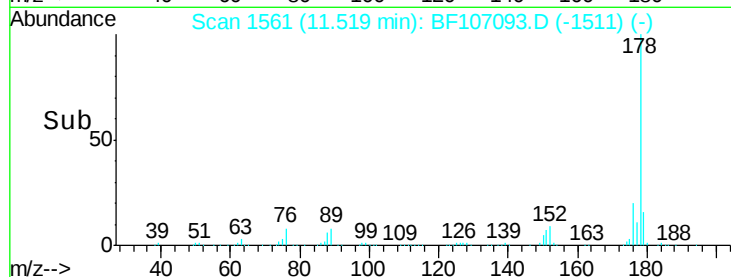
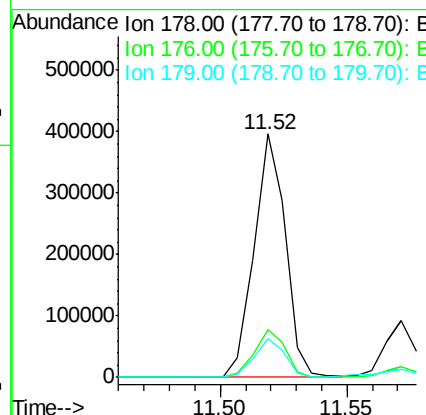
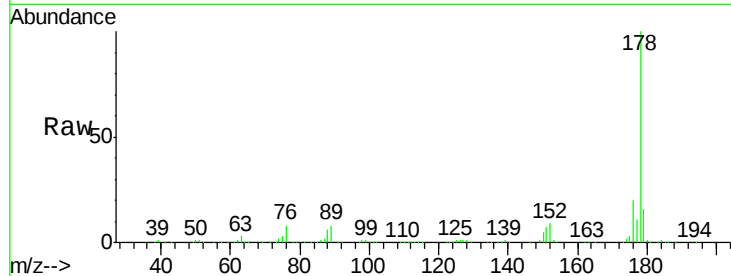
#70
Phenanthrene
Concen: 44.907 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampled :
TP-6-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6

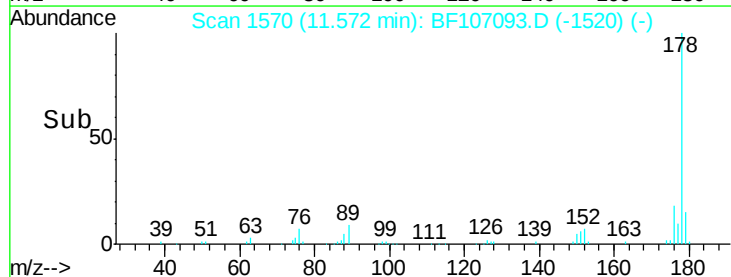
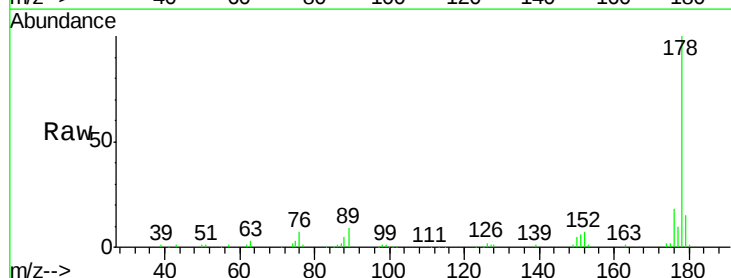
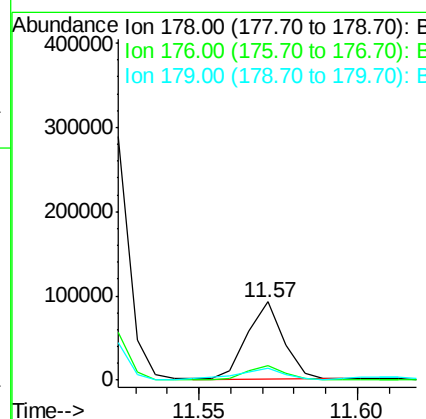
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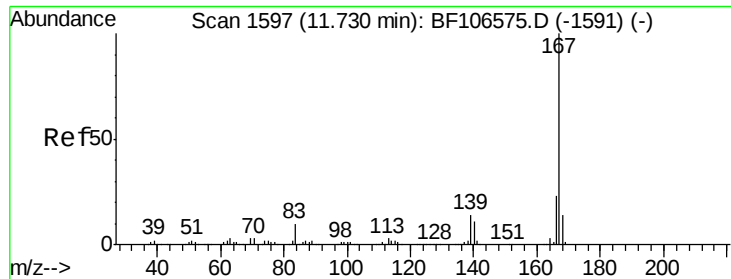
Sohil
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#71
Anthracene
Concen: 9.460 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 2.788 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Instrument :

BNA_F

ClientSampleId :

TP-6-S

Tot Ion:167 Resp: 20268

Ion Ratio Lower Upper

167 100

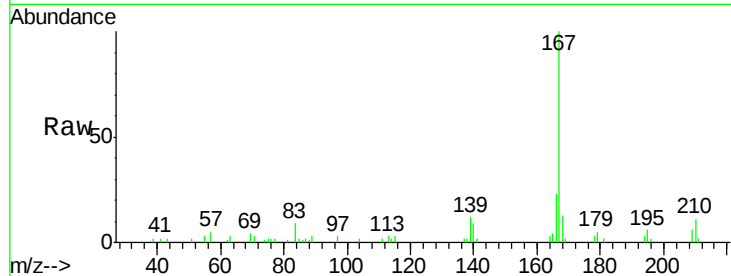
166 23.1 17.6 26.4

139 11.6 10.9 16.3

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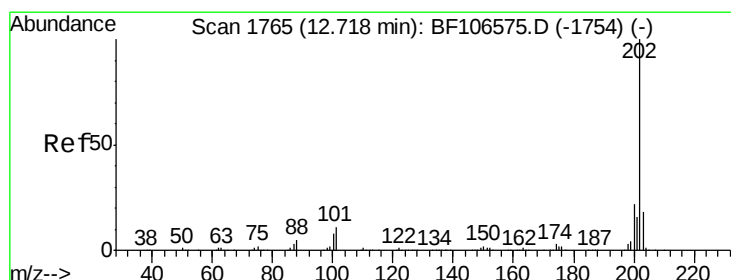
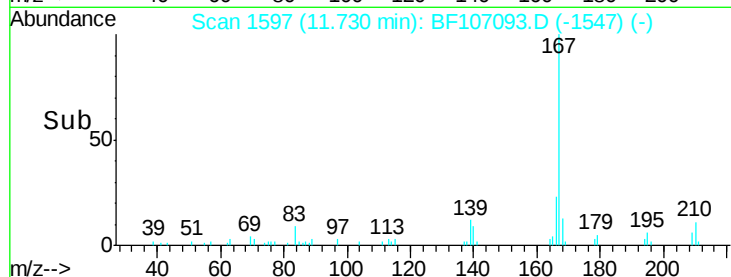
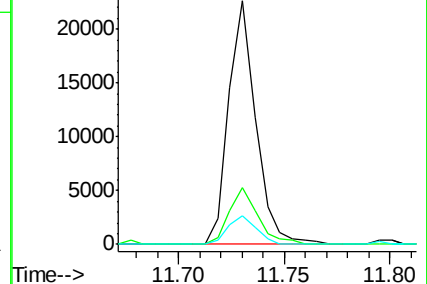
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 62.009 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

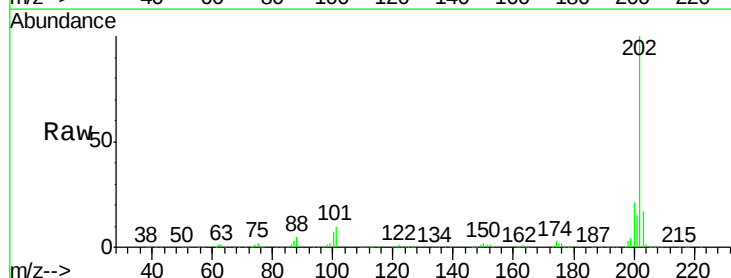
Tgt Ion:202 Resp: 519984

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

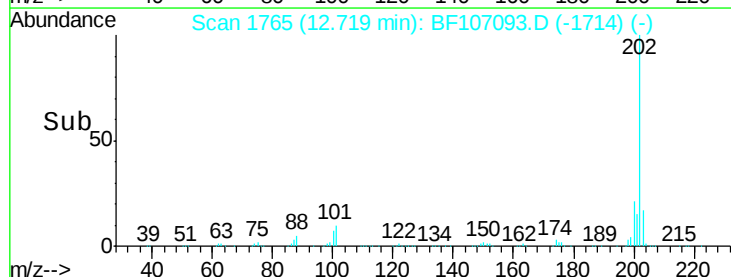
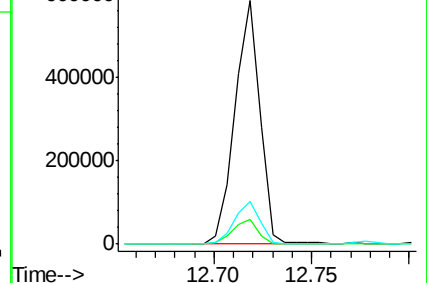
203 17.4 0.0 38.1

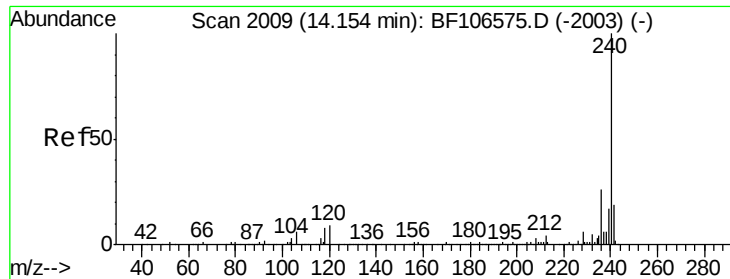


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Instrument :

BNA_F

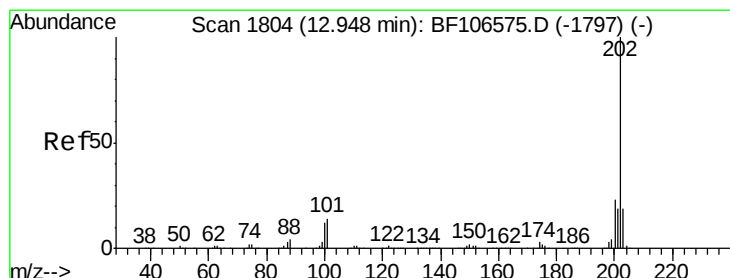
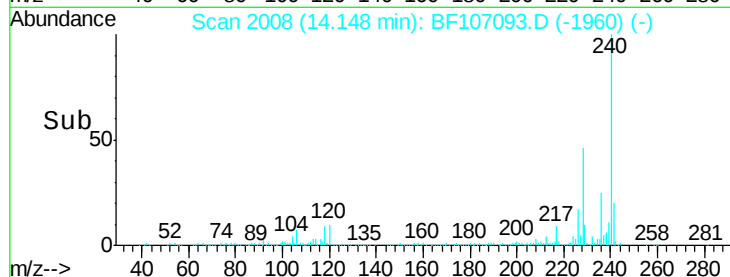
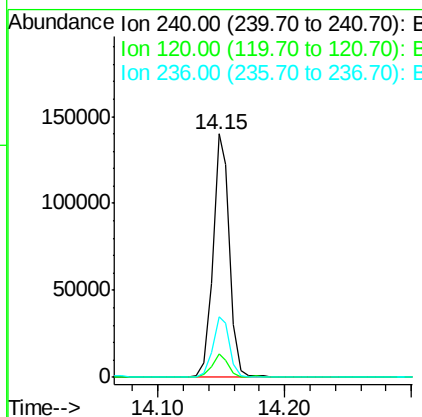
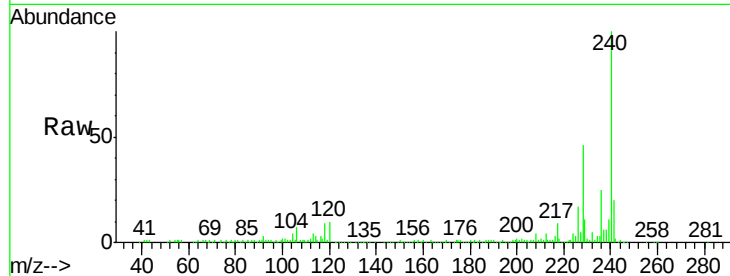
ClientSampled :

TP-6-S

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3
236	25.0	20.7	31.1

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#77

Pyrene

Concen: 56.567 ng

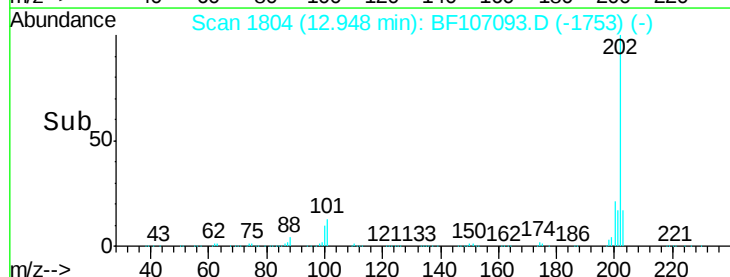
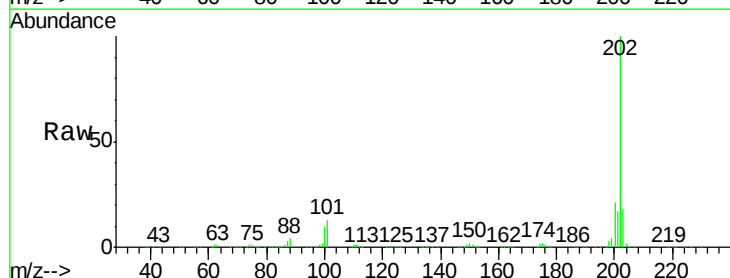
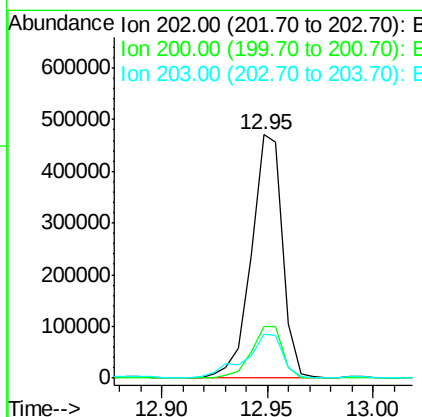
RT: 12.95 min Scan# 1804

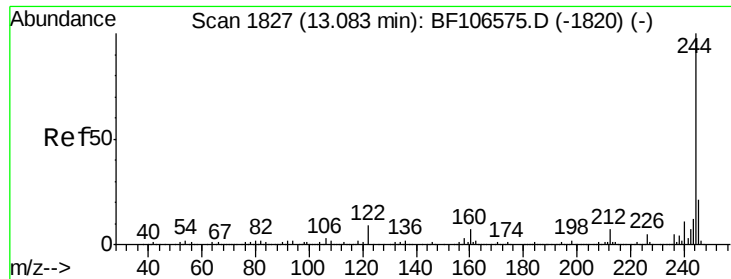
Delta R.T. 0.00 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5





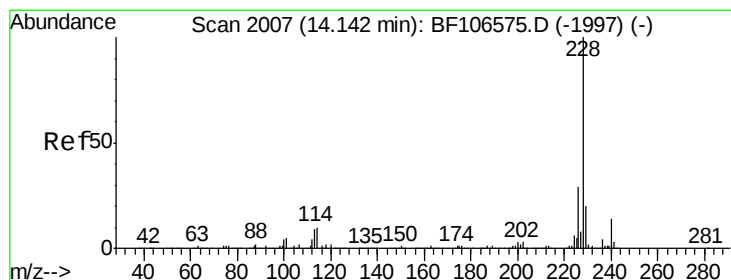
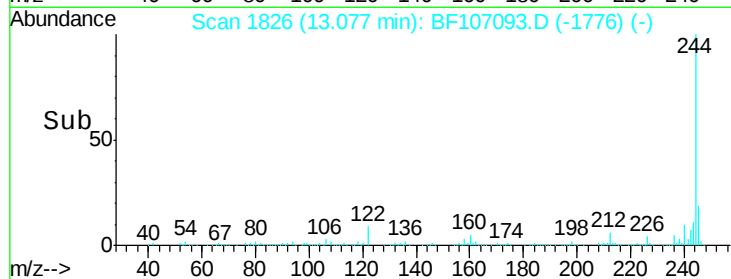
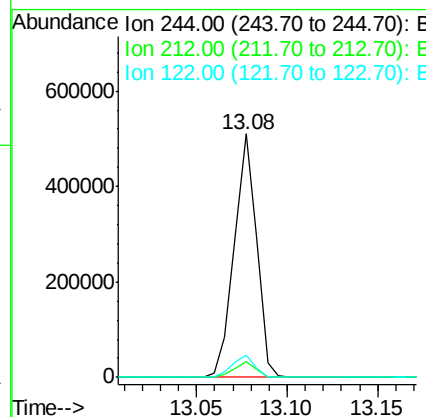
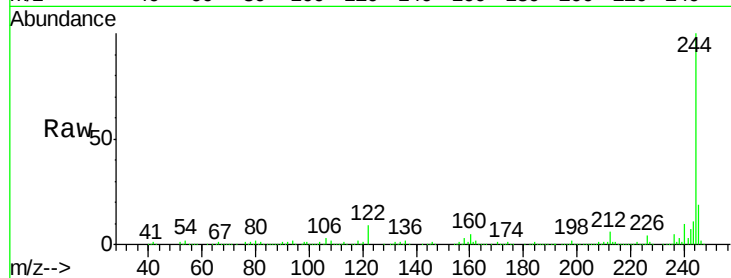
#78
 Terphenyl-d14
 Concen: 82.724 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107093.D
 Acq: 3 Jul 2018 20:18

Instrument :
 BNA_F
 ClientSampled :
 TP-6-S

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.9	11.0	16.4

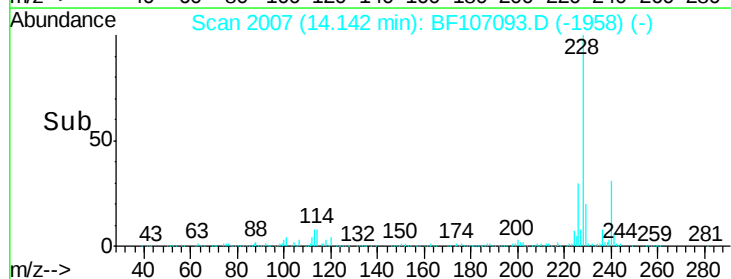
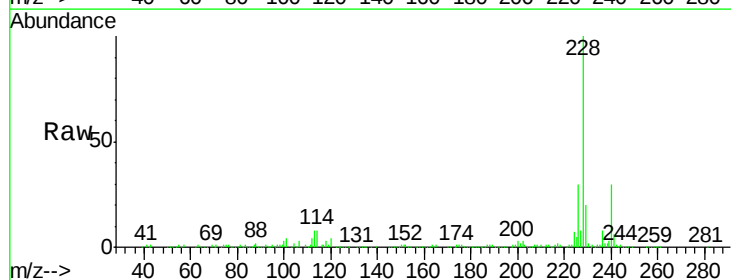
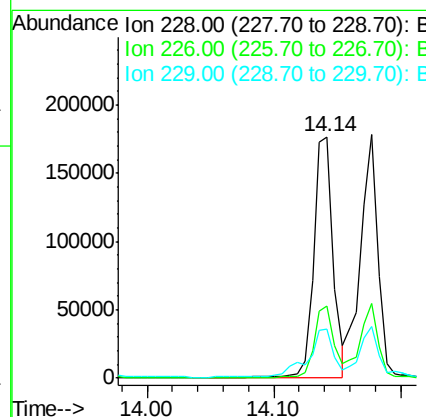
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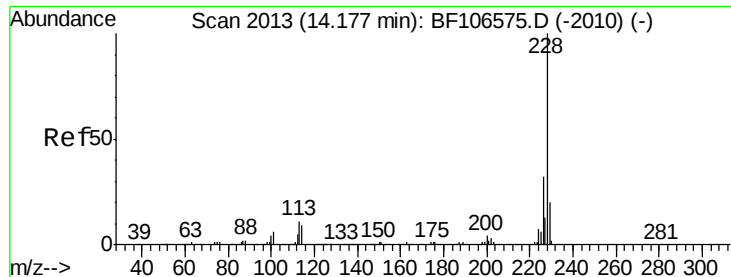
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#80
 Benzo(a)anthracene
 Concen: 23.730 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107093.D
 Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.4	15.8	23.6





#82

Chrysene

Concen: 23.235 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Instrument :

BNA_F

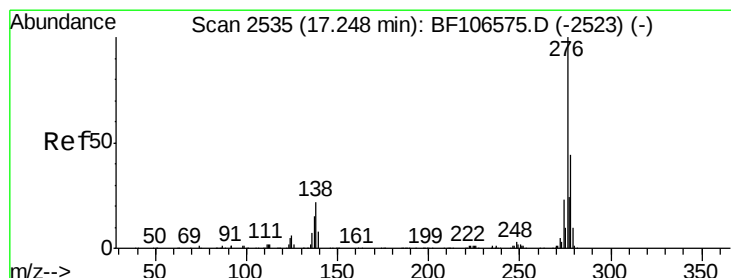
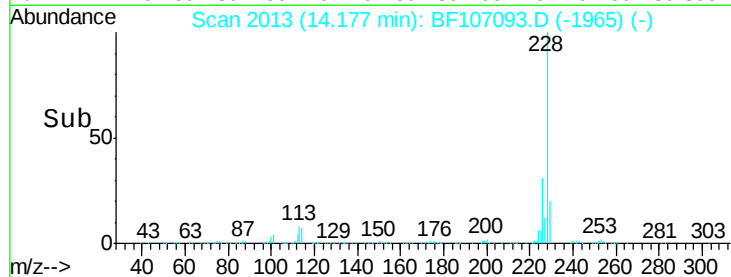
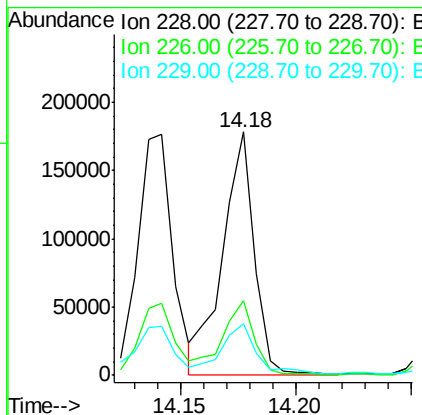
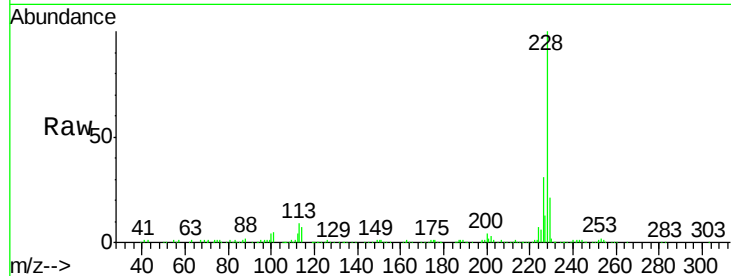
ClientSampleId :

TP-6-S

Tot Ion:	228	Resp:	168236
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.1	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.408 ng

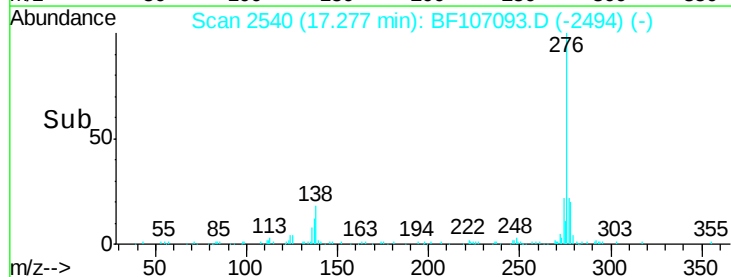
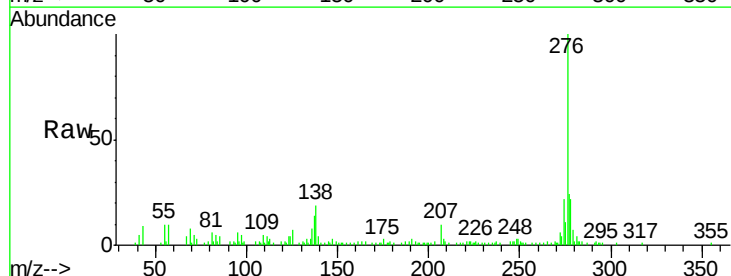
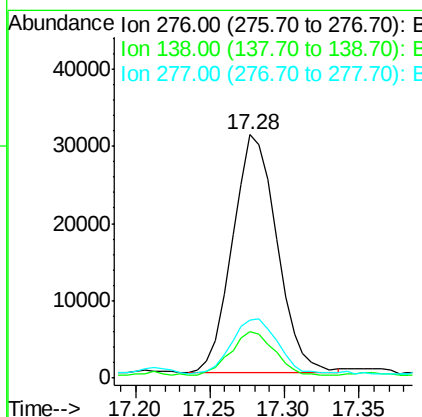
RT: 17.28 min Scan# 2540

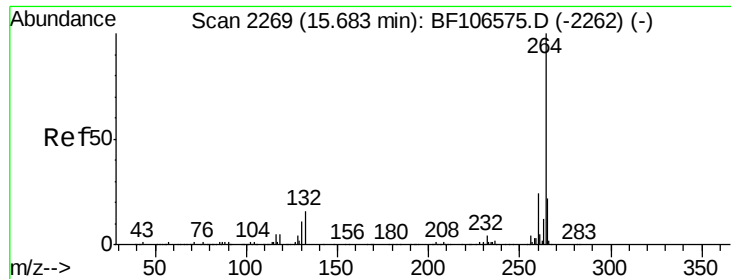
Delta R.T. -0.03 min

Lab File: BF107093.D

Acq: 3 Jul 2018 20:18

Tgt Ion:	276	Resp:	63951
Ion Ratio	Lower	Upper	
276	100		
138	20.6	25.0	37.6#
277	23.9	20.1	30.1





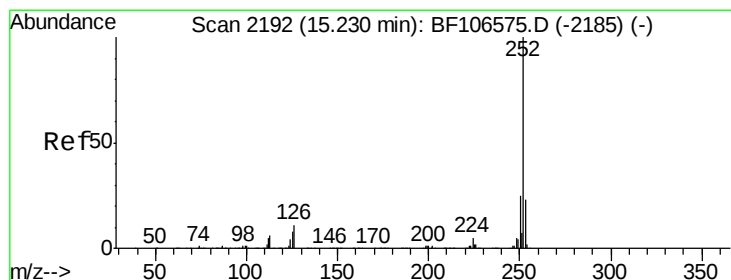
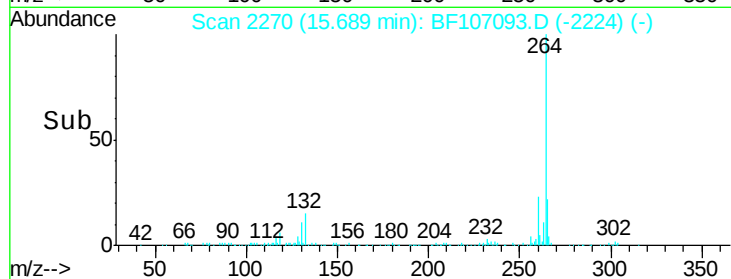
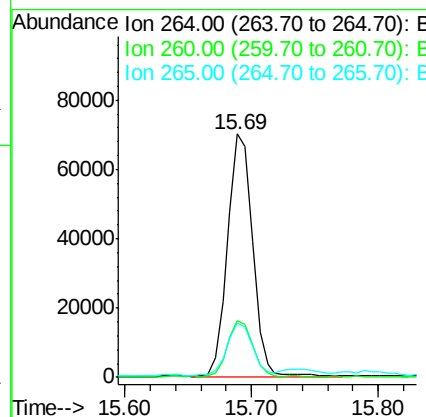
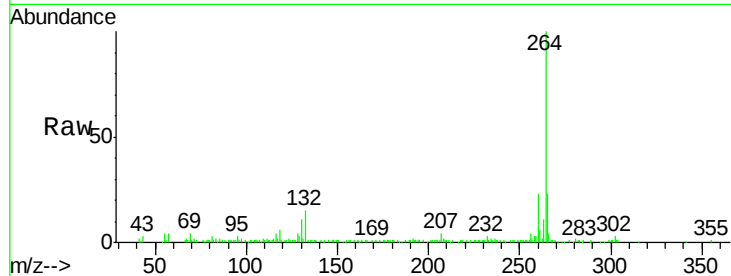
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.5	17.5	26.3

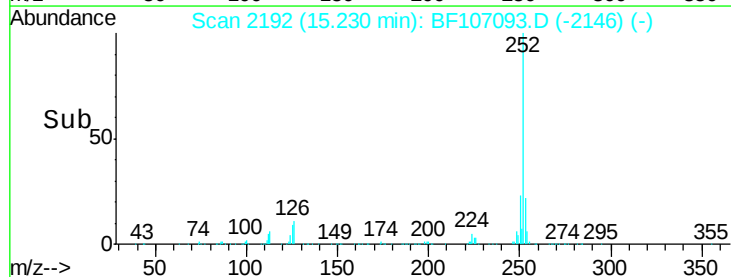
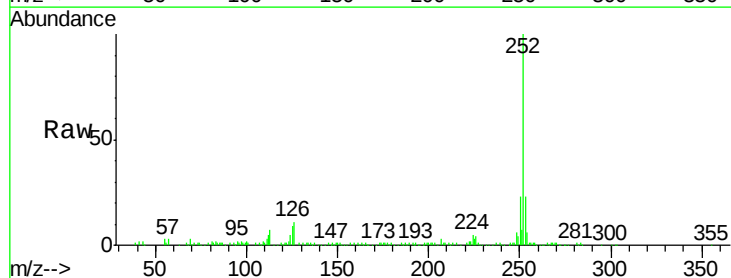
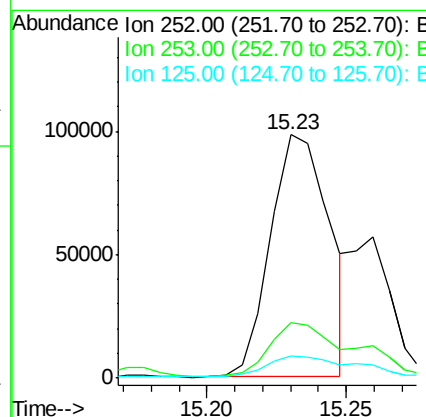
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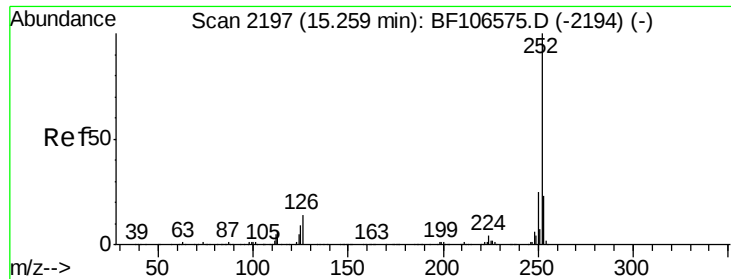
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#87
Benzo(b)fluoranthene
Concen: 24.413 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.2	9.0	13.6





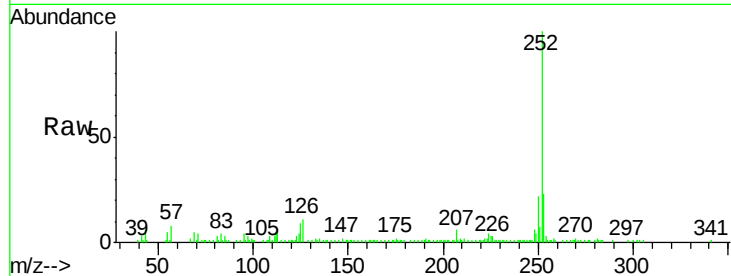
#88
Benzo(k)fluoranthene
Concen: 10.121 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampleId :
TP-6-S

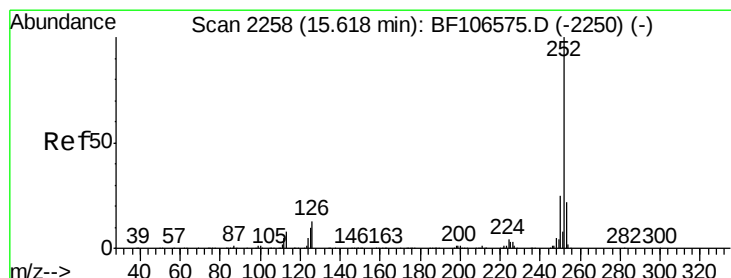
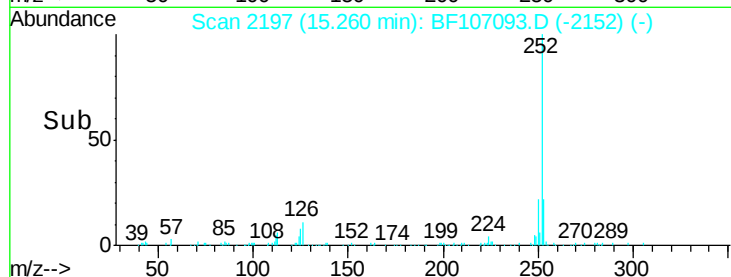
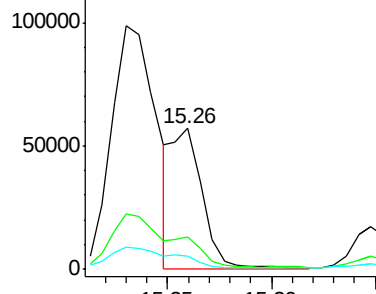
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	9.1	10.2	15.2#

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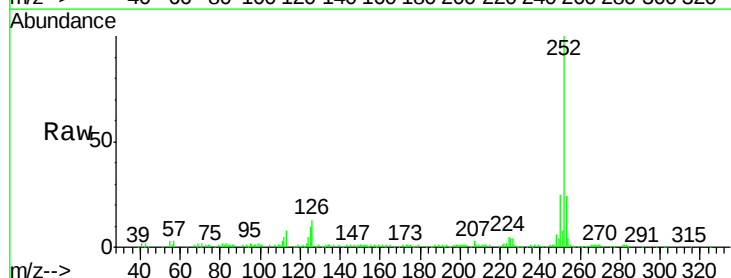


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

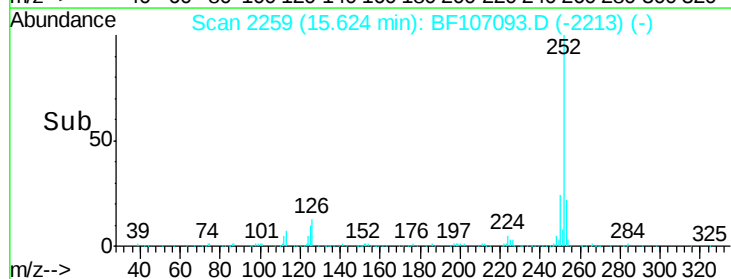
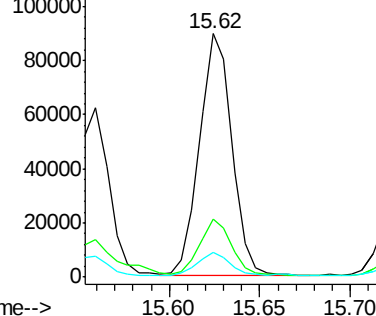


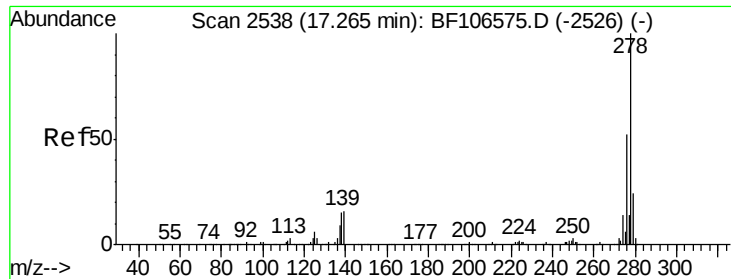
#89
Benzo(a)pyrene
Concen: 21.213 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.4	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





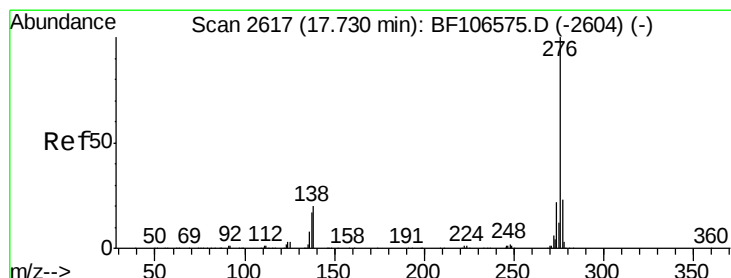
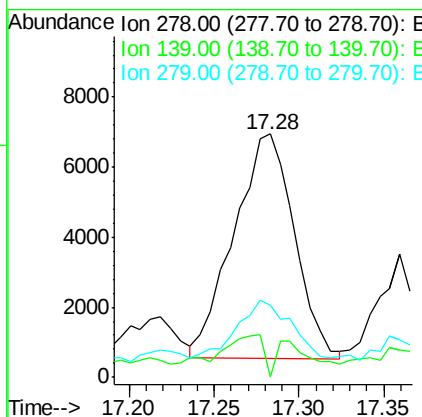
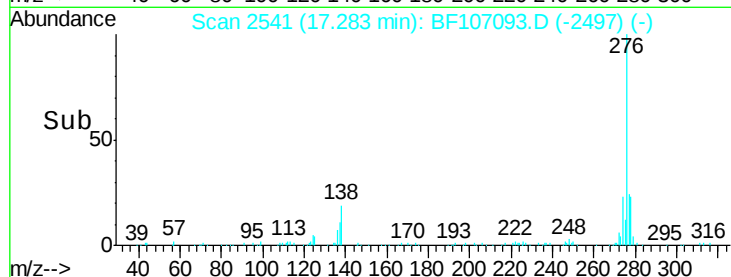
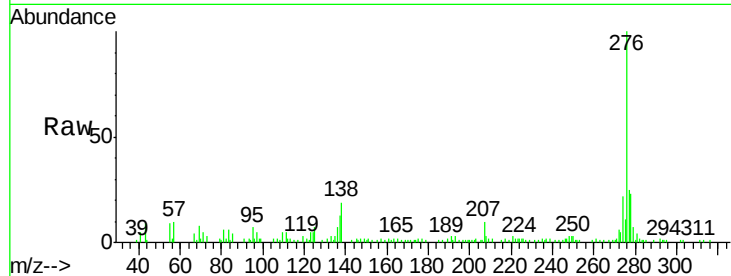
#90
Dibenzo(a,h)anthracene
Concen: 3.527 ng/mL
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.6	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 14.997 ng/mL
RT: 17.77 min Scan# 2623
Delta R.T. -0.02 min
Lab File: BF107093.D
Acq: 3 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	17.9	21.8	32.8#

