

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107670.D
 Acq On : 25 Jul 2018 21:11
 Operator : JU/SJ
 Sample : J4031-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-5

Manual Integrations
 APPROVED

Sohil
 7/26/2018 2:02:01 PM

Quant Time: Jul 26 03:14:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	202368	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	776769	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	299431	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	521612	20.00	ng	0.00
75) Chrysene-d12	14.16	240	410503	20.00	ng	0.00
86) Perylene-d12	15.70	264	370304	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	519161	41.25	ng	-0.01
7) Phenol-d6	6.60	99	650646	43.05	ng	-0.02
23) Nitrobenzene-d5	7.53	82	382099	33.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	146817	43.12	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	696339	32.30	ng	-0.02
78) Terphenyl-d14	13.09	244	566605	35.34	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.87	152	99987	3.338	ng	99
49) Dimethylphthalate	9.71	163	65490	2.902	ng	99
51) Acenaphthene	10.04	154	65116	3.470	ng	97
57) Fluorene	10.56	166	85671	4.347	ng	94
70) Phenanthrene	11.53	178	905485	35.623	ng	99
71) Anthracene	11.58	178	345895	13.516	ng	99
72) Carbazole	11.74	167	88474	3.324	ng	97
74) Fluoranthene	12.73	202	1675568	61.431	ng	96
77) Pyrene	12.96	202	1552745	55.299	ng	98
80) Benzo(a)anthracene	14.15	228	847848	35.244	ng	97
82) Chrysene	14.19	228	784581	33.952	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	84145	4.939	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	353508	18.050	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	876450m	43.247	ng	
88) Benzo(k)fluoranthene	15.27	252	317166m	15.974	ng	
89) Benzo(a)pyrene	15.64	252	624663	33.696	ng	98
90) Dibenzo(a,h)anthracene	17.29	278	90467m	5.645	ng	
91) Benzo(g,h,i)perylene	17.76	276	345674	21.869	ng	# 93

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

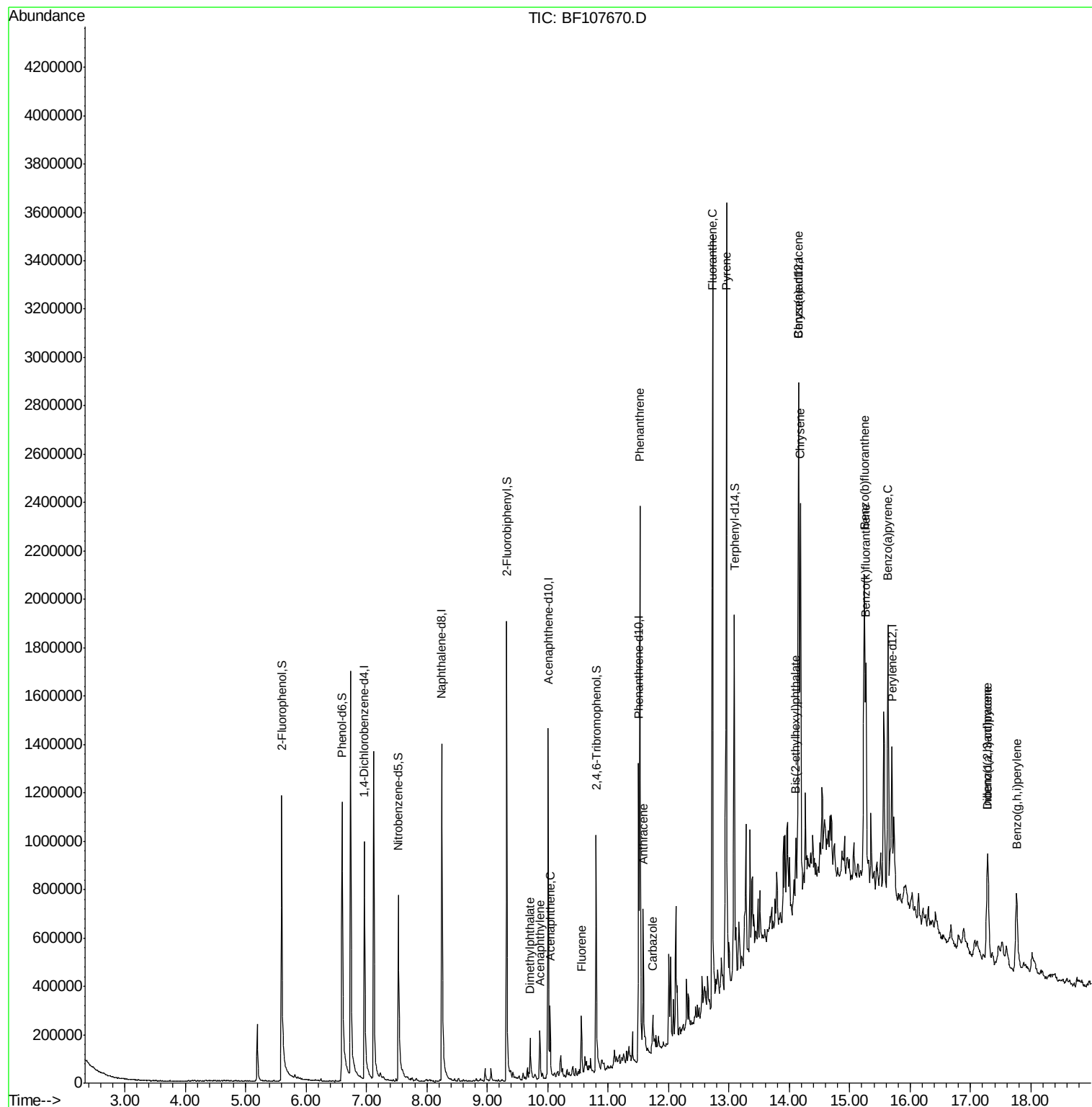
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
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ALS Vial : 23 Sample Multiplier: 1

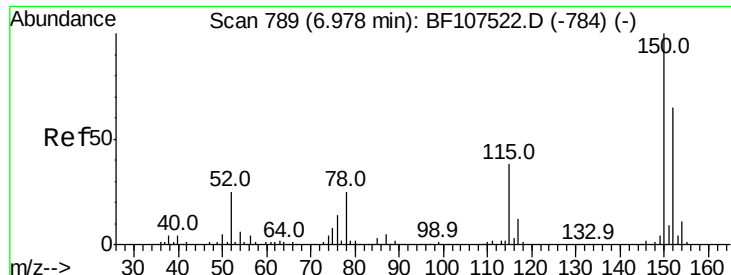
Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Manual Integrations
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Quant Time: Jul 26 03:14:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
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#1

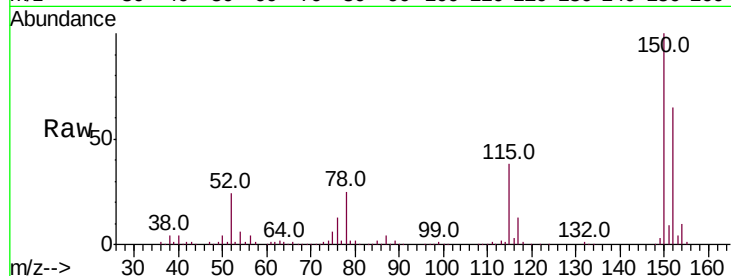
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	58.5	50.1	75.1

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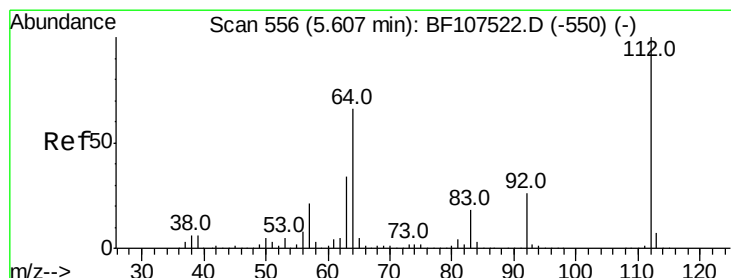
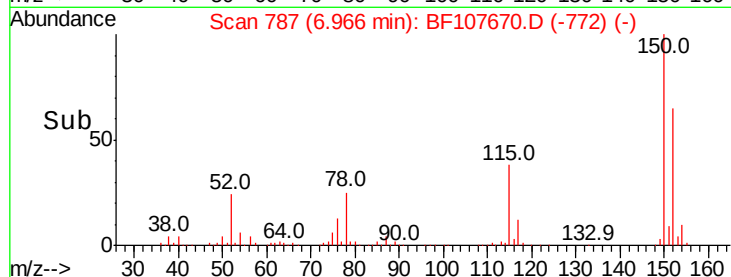
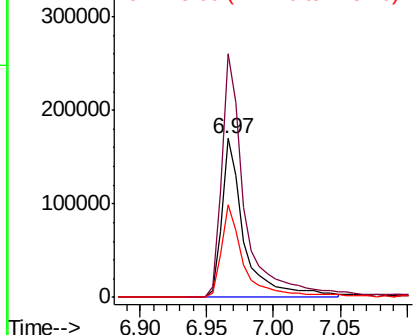


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

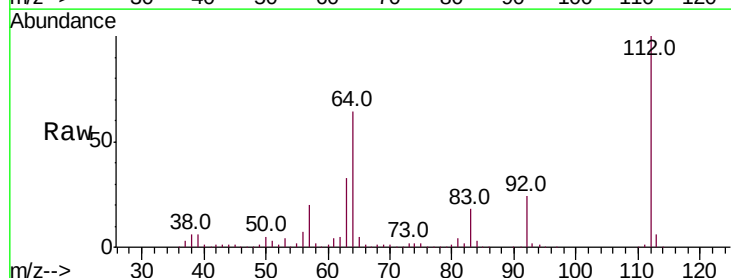
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.247 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	32.6	23.7	35.5

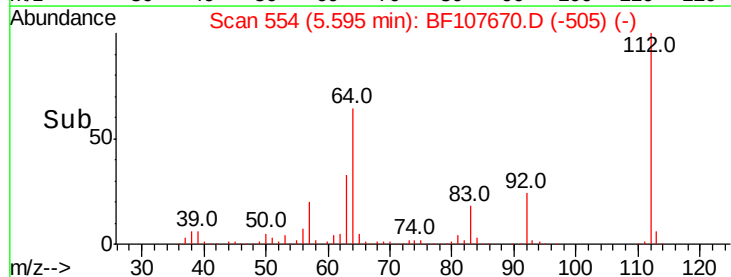
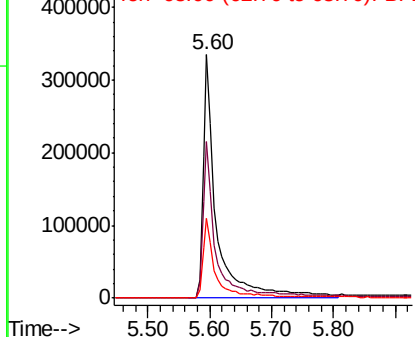


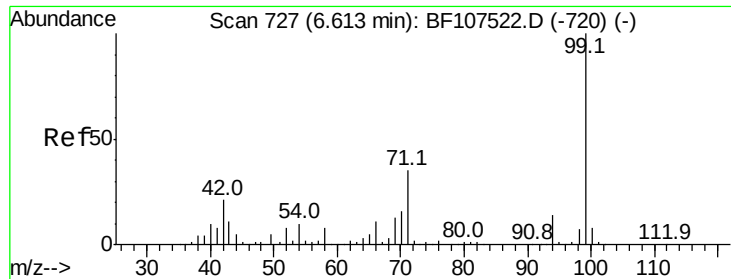
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 43.052 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Instrument :

BNA_F

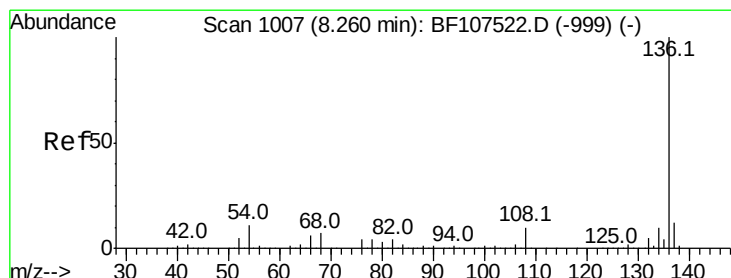
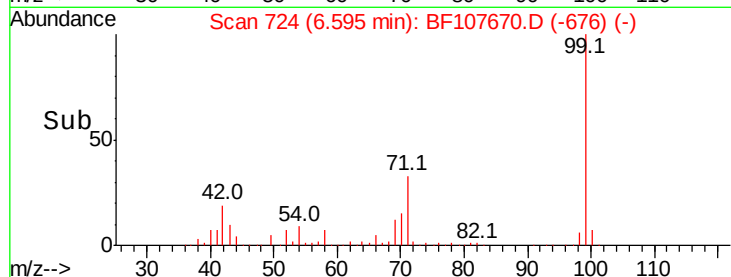
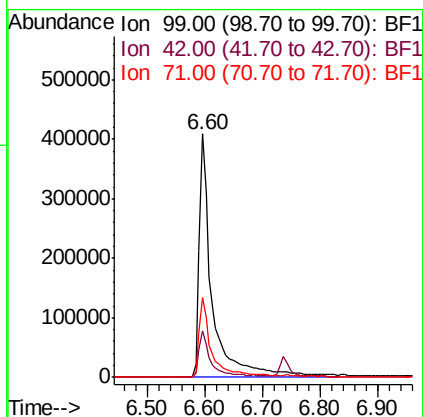
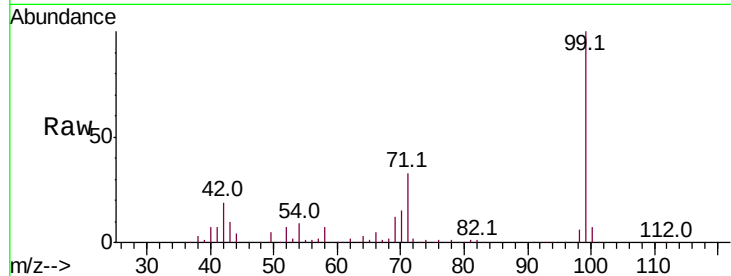
ClientSampled :

PLANTER-DOC-5

Tot Ion:	99	Resp:	650646
Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

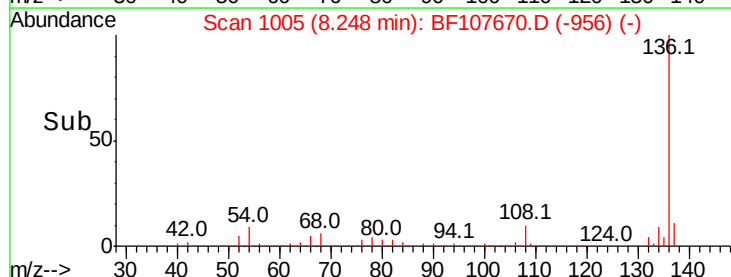
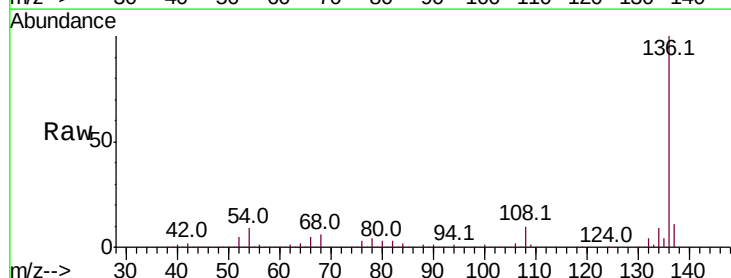
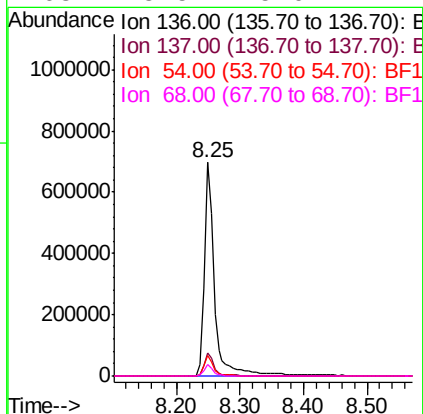
RT: 8.25 min Scan# 1005

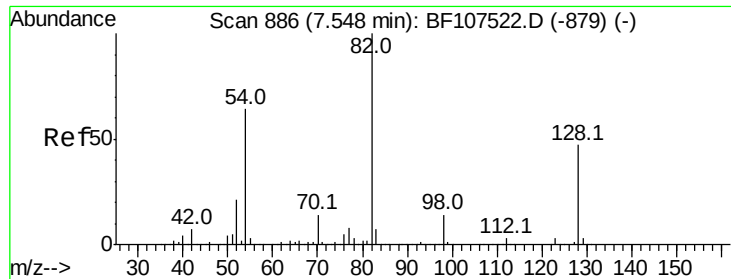
Delta R.T. -0.01 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Tgt Ion:	136	Resp:	776769
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.5	6.6	9.8
68	5.5	5.0	7.4





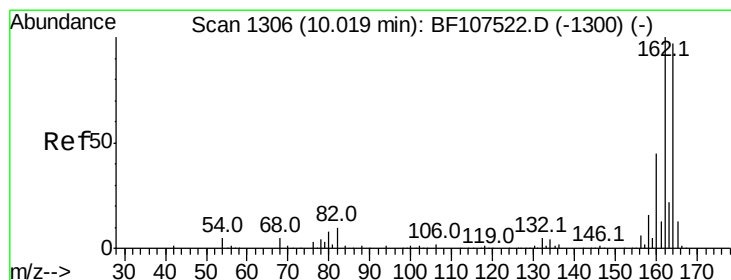
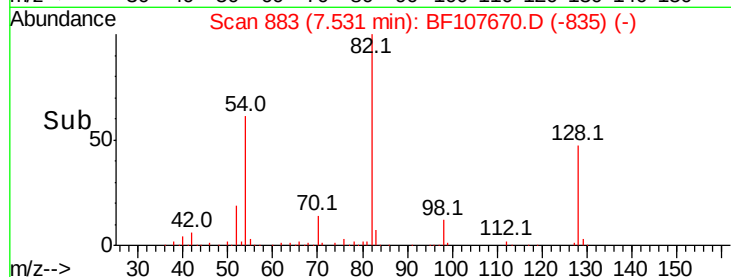
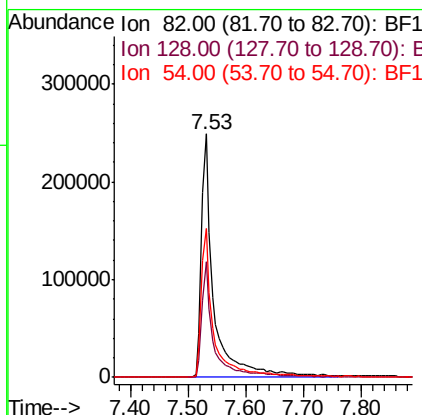
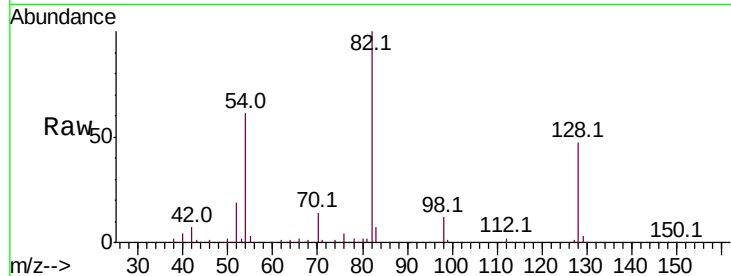
#23
Nitrobenzene-d5
Concen: 33.198 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	60.9	41.4	62.2

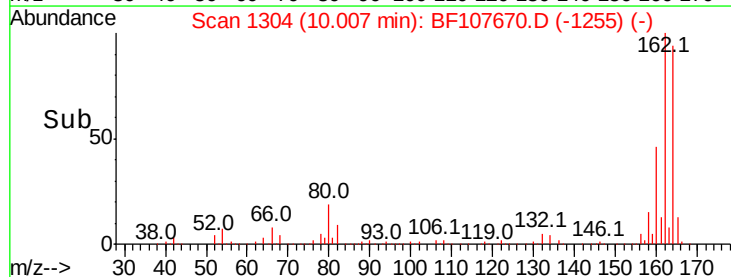
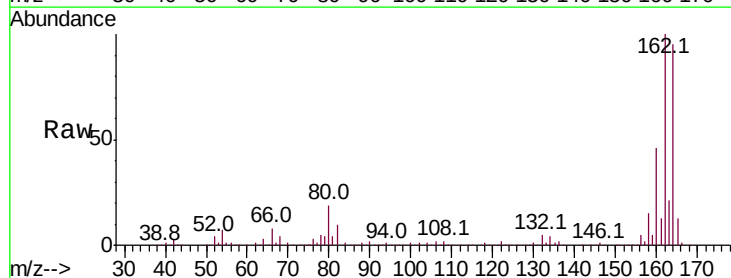
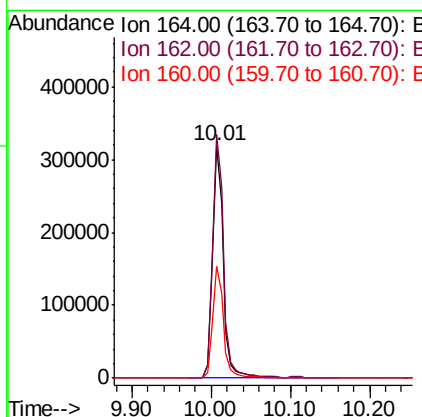
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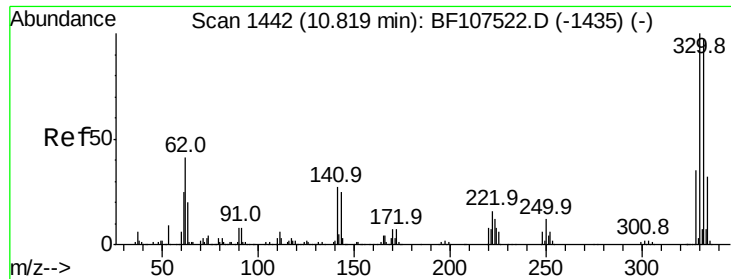
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	48.0	38.3	57.5





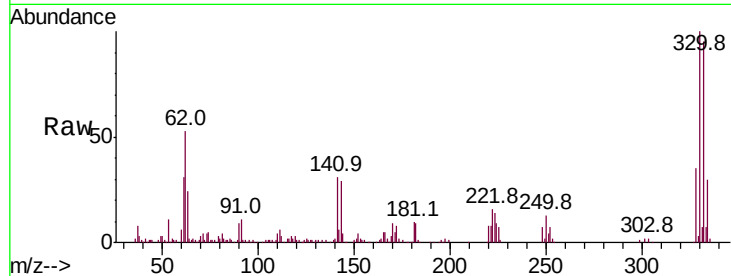
#41
 2,4,6-Tribromophenol
 Concen: 43.118 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107670.D
 Acq: 25 Jul 2018 21:11

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	146817		
332	94.1	77.0	115.6	
141	27.6	29.9	44.9#	

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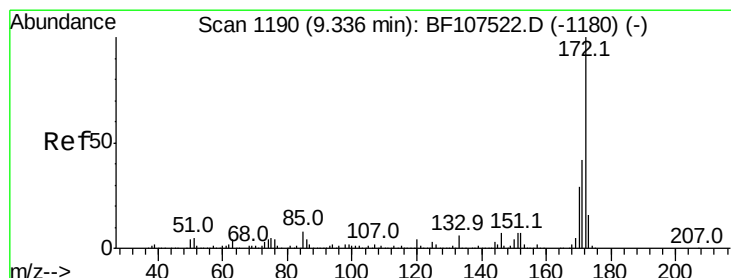
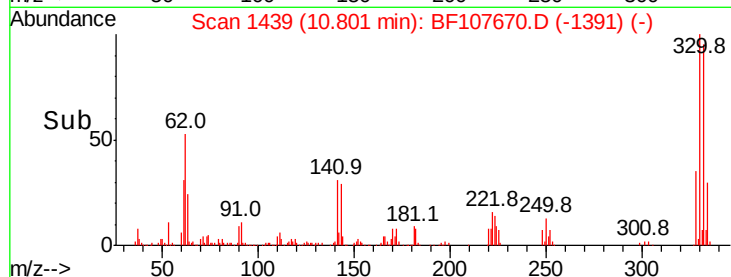
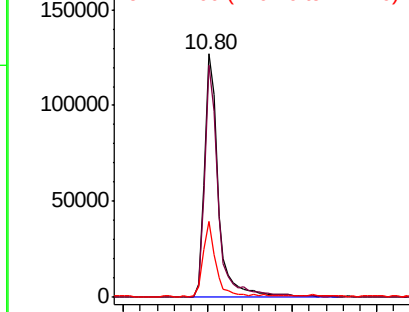


Abundance

Ion 329.80 (329.50 to 330.50): E

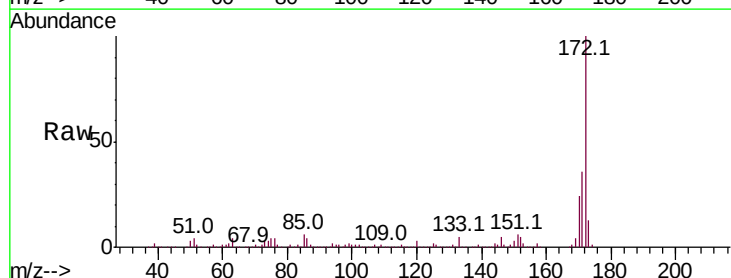
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 32.302 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107670.D
 Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	696339		
171	36.3	29.7	44.5	
170	24.4	19.6	29.4	

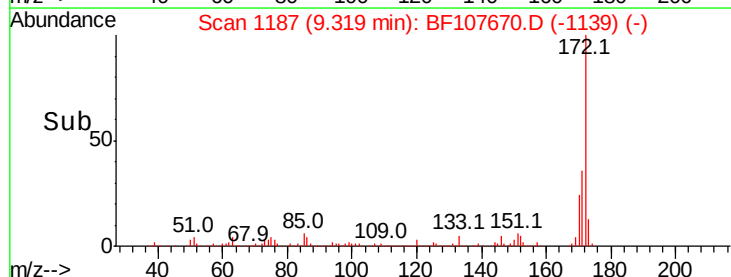
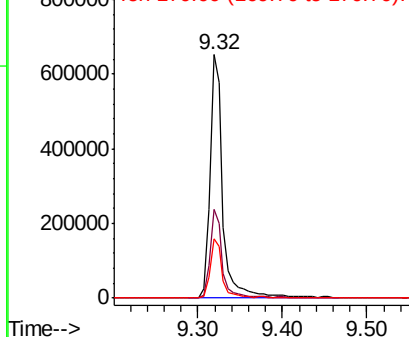


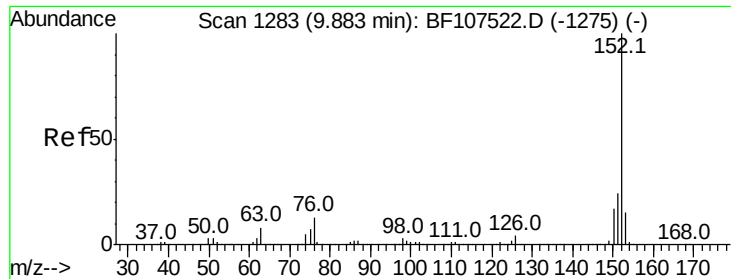
Abundance

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





#48

Acenaphthylene

Concen: 3.338 ng

RT: 9.87 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Instrument :

BNA_F

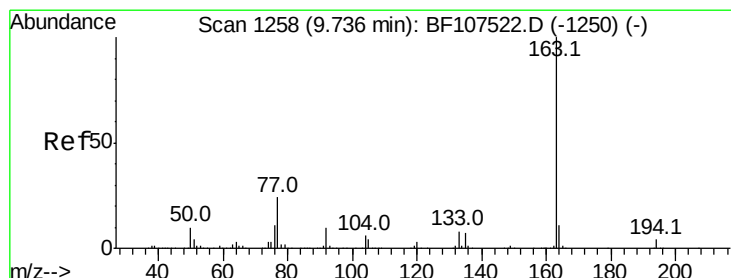
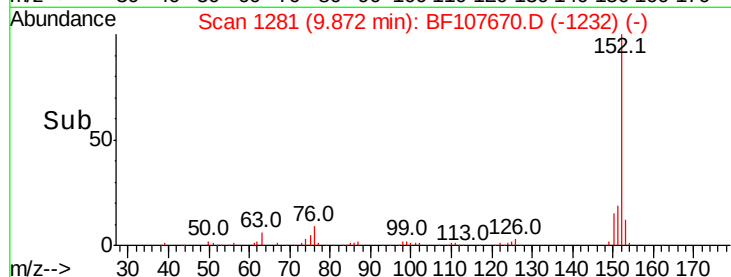
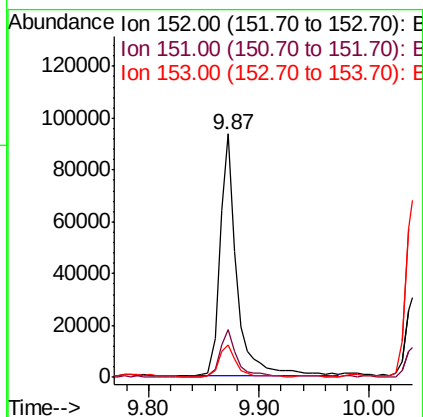
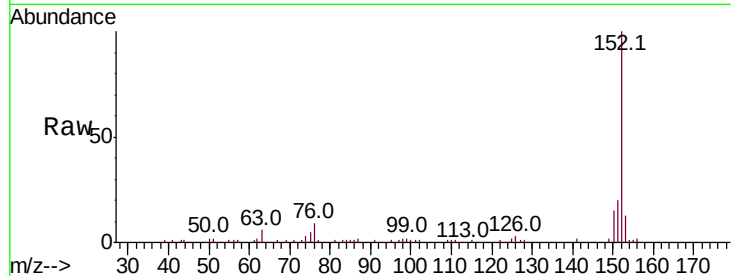
ClientSampleId :

PLANTER-DOC-5

Tot Ion:	152	Resp:	99987
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	13.2	10.7	16.1

Manual Integrations
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#49

Dimethylphthalate

Concen: 2.902 ng

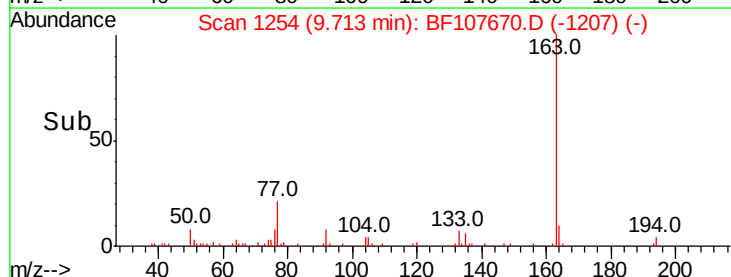
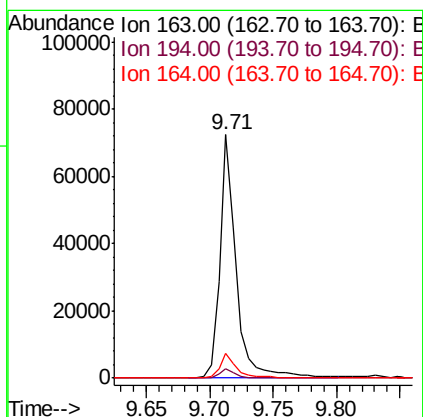
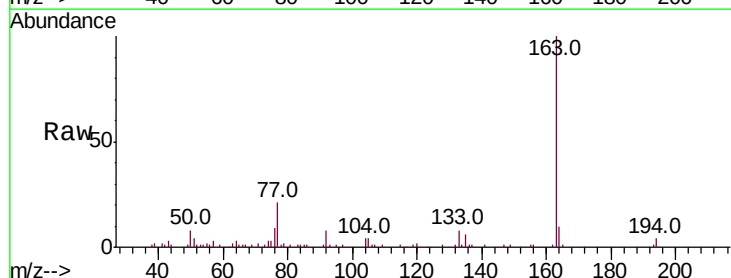
RT: 9.71 min Scan# 1254

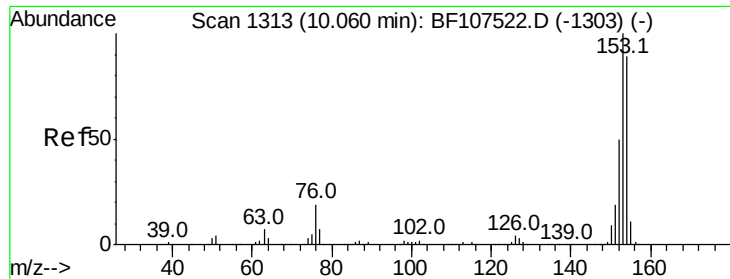
Delta R.T. -0.02 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Tgt Ion:	163	Resp:	65490
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.4	8.2	12.2





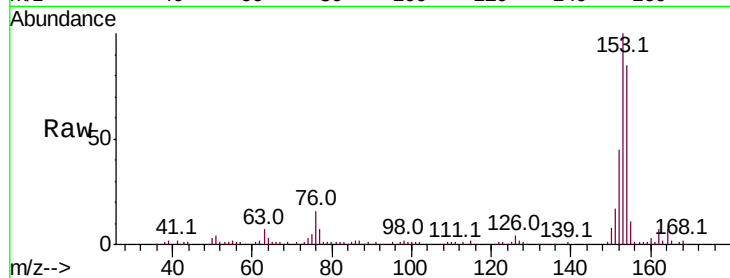
#51
Acenaphthene
Concen: 3.470 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.2	136.8
152	53.5	43.8	65.8

Manual Integrations
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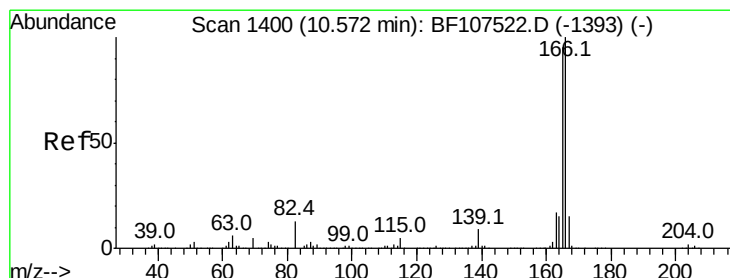
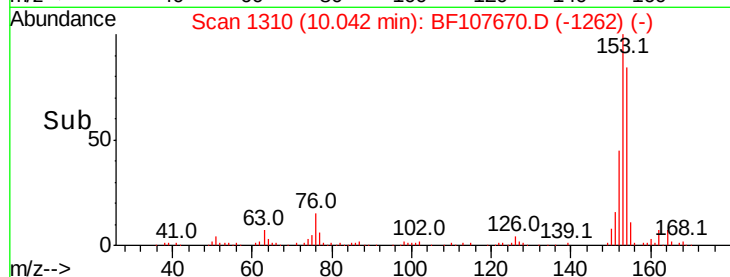
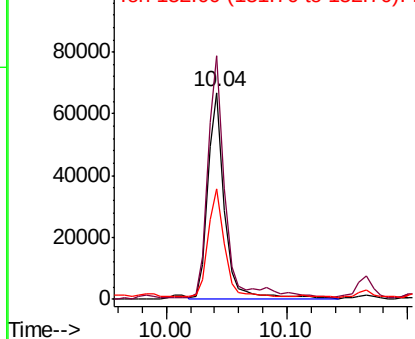


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57
Fluorene
Concen: 4.347 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

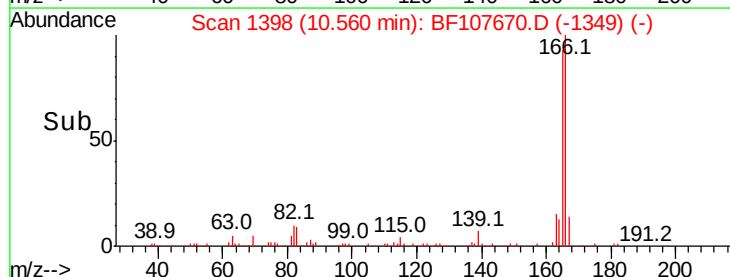
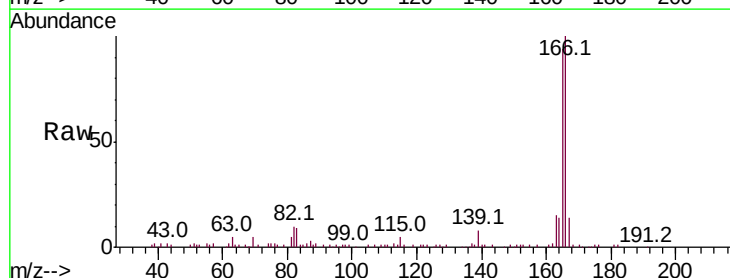
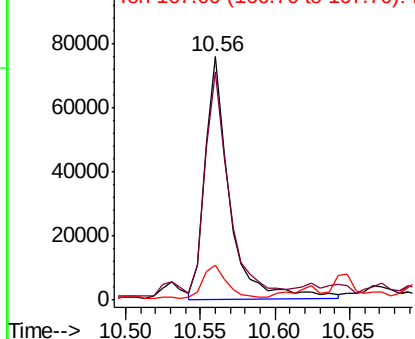
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	79.8	119.8
167	14.5	10.6	16.0

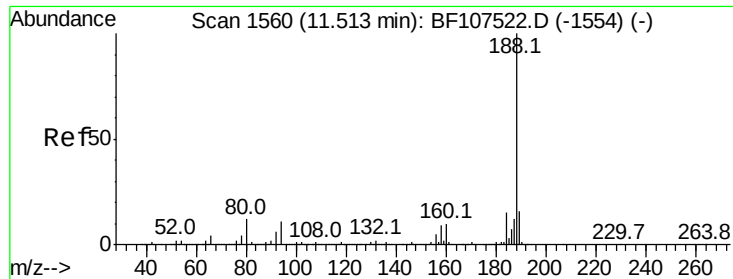
Abundance

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





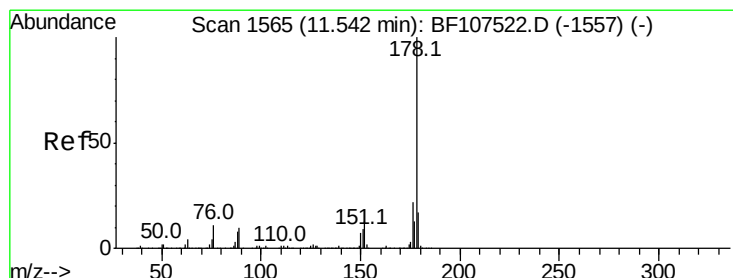
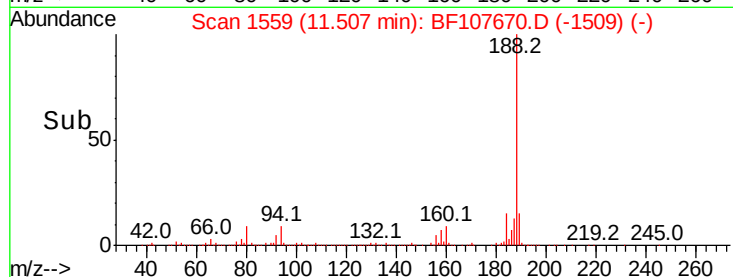
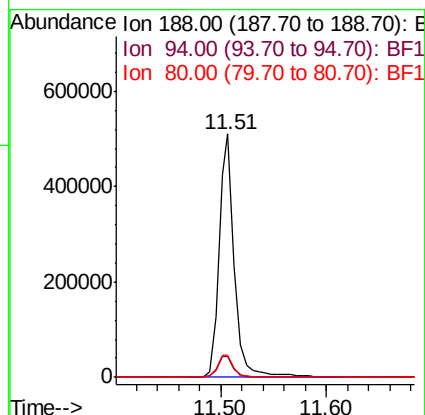
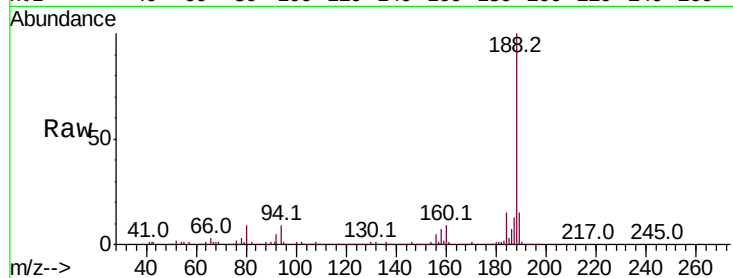
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.1	9.2	13.8

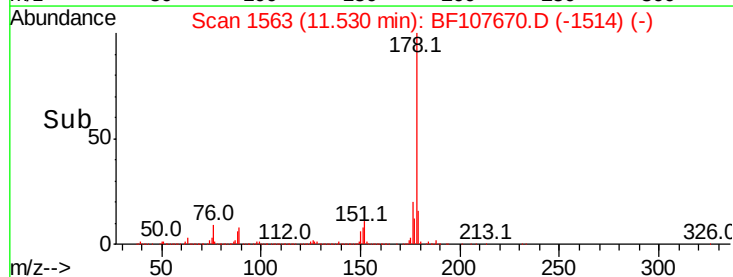
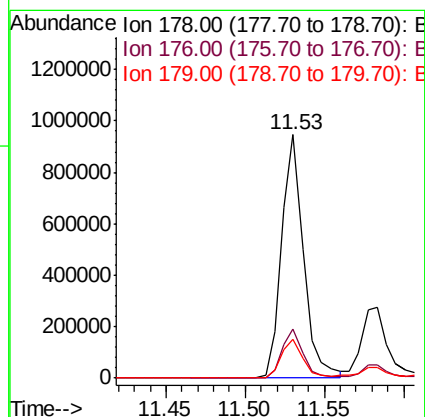
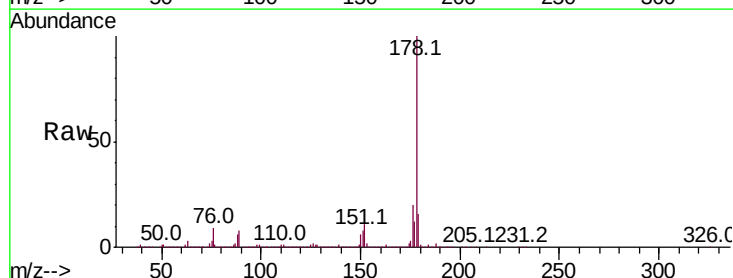
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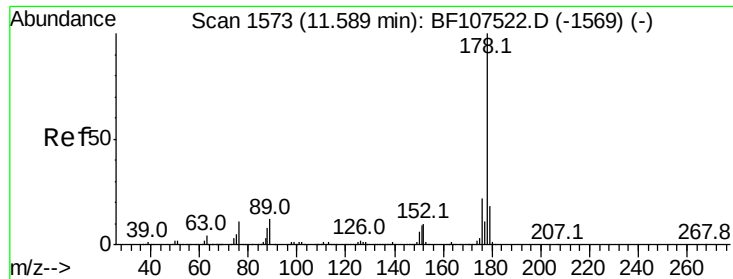
Sohil
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#70
Phenanthrene
Concen: 35.623 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.7	13.0	19.6





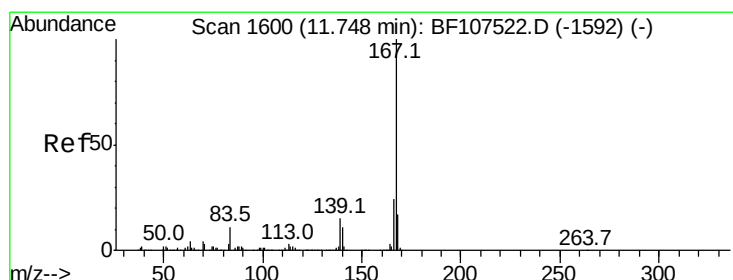
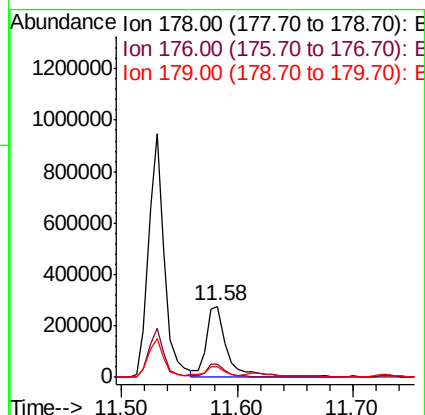
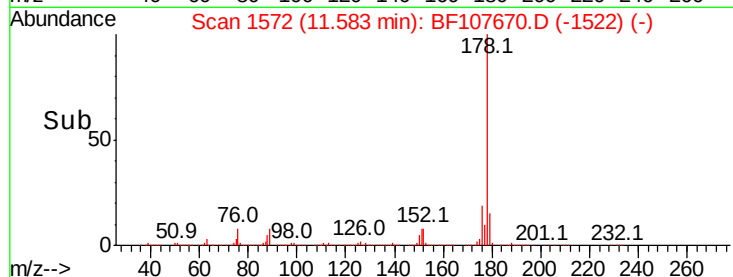
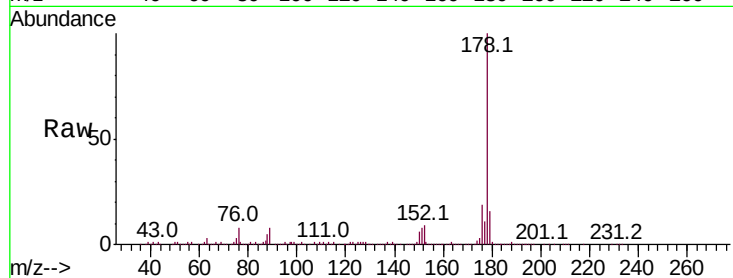
#71
 Anthracene
 Concen: 13.516 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107670.D
 Acq: 25 Jul 2018 21:11

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-5

Tot Ion:	178	Resp:	345895
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	15.8	12.6	19.0

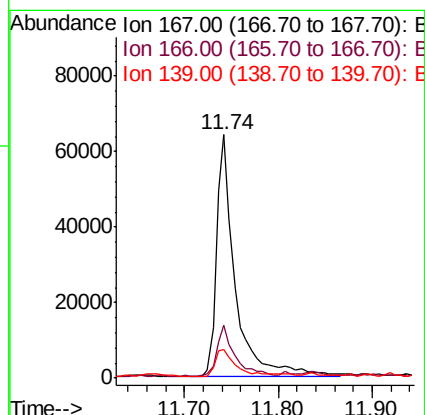
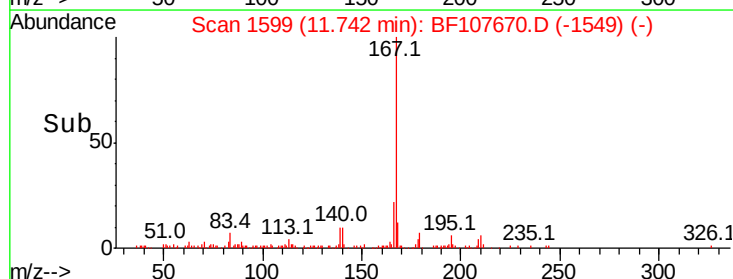
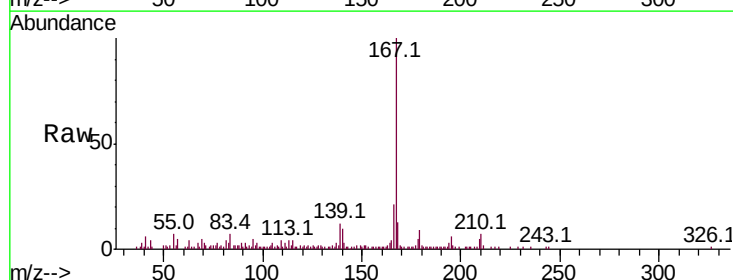
Manual Integrations
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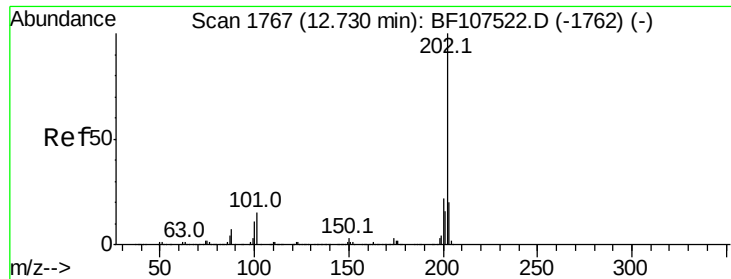
Sohil
 7/26/2018 2:02:01 PM



#72
 Carbazole
 Concen: 3.324 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107670.D
 Acq: 25 Jul 2018 21:11

Tgt Ion:	167	Resp:	88474
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	11.7	10.9	16.3





#74

Fluoranthene

Concen: 61.431 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Instrument :

BNA_F

ClientSampleId :

PLANTER-DOC-5

Tot Ion:202 Resp: 1675568

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

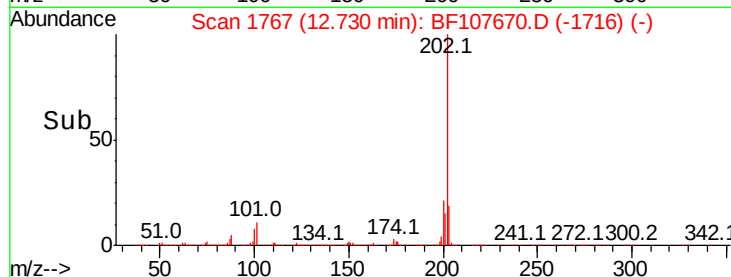
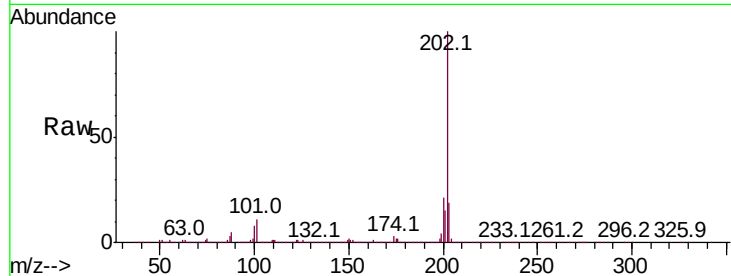
203 18.6 0.0 38.1

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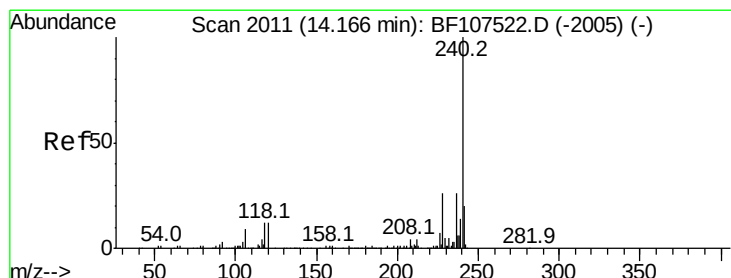
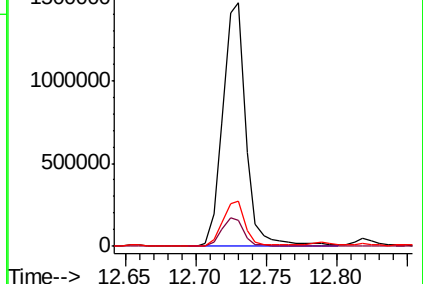
7/26/2018 2:02:01 PM



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# 2010

Delta R.T. -0.01 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

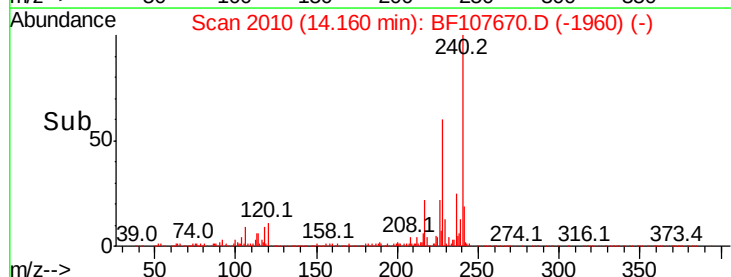
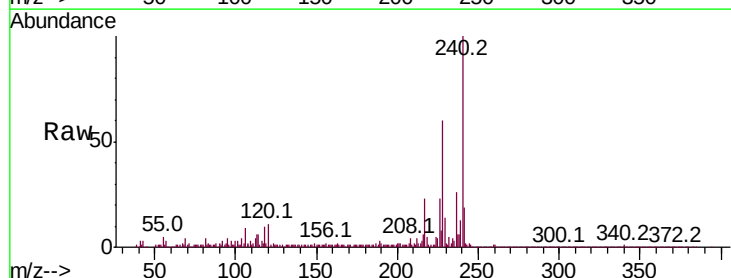
Tgt Ion:240 Resp: 410503

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

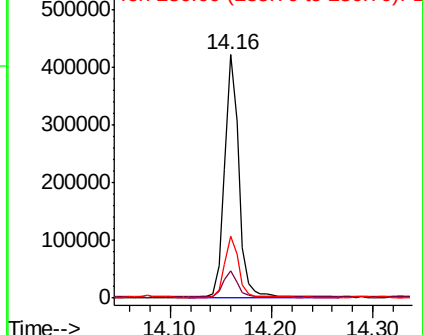
236 25.6 20.7 31.1

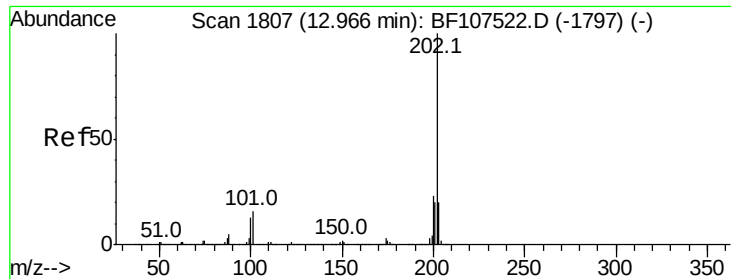


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 55.299 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Instrument :

BNA_F

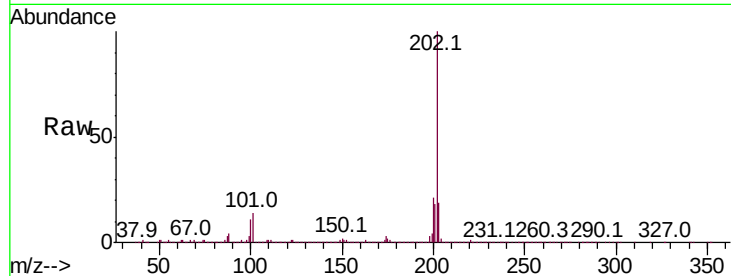
ClientSampleId :

PLANTER-DOC-5

Tot Ion:	202	Resp:	1552745
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.8	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E

2000000 Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

1500000

1000000

500000

0

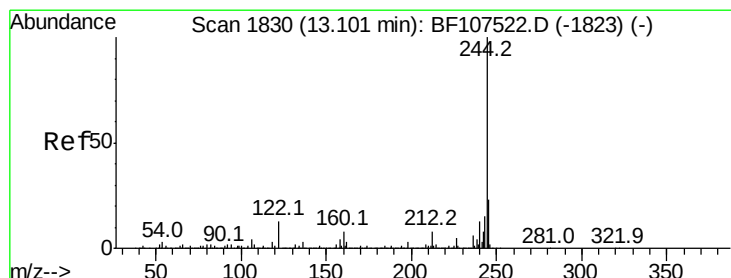
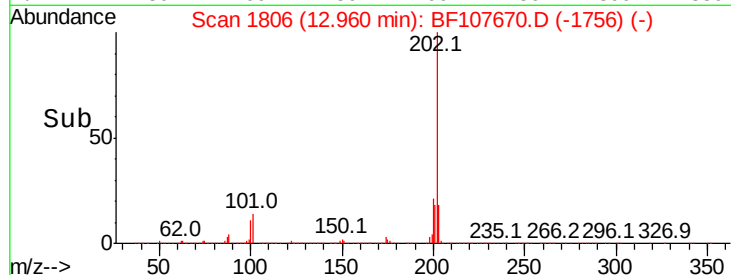
12.96

12.90

13.00

13.10

Time-->



#78

Terphenyl-d14

Concen: 35.336 ng

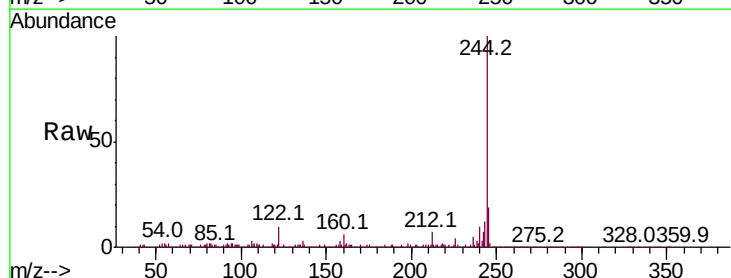
RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Tgt Ion:	244	Resp:	566605
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.7	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

800000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

600000

400000

200000

0

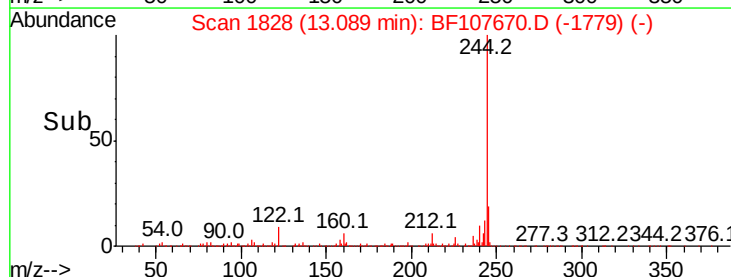
13.09

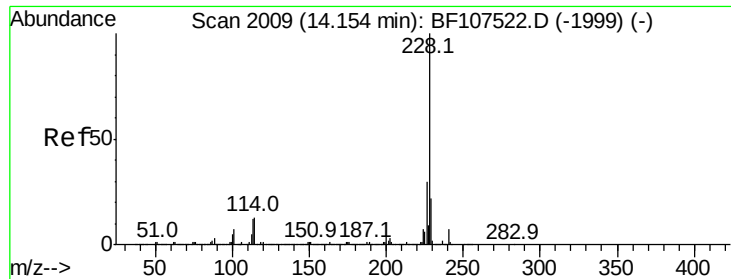
13.00

13.10

13.20

Time-->





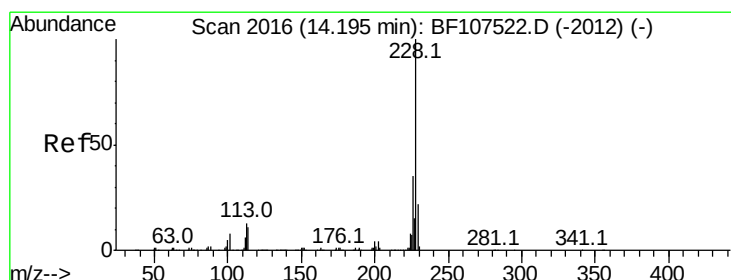
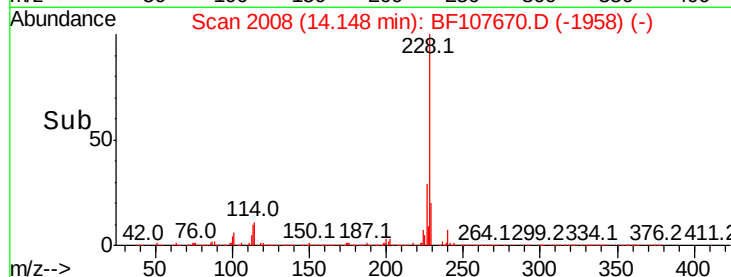
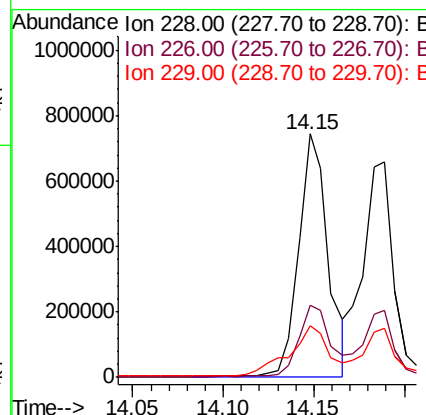
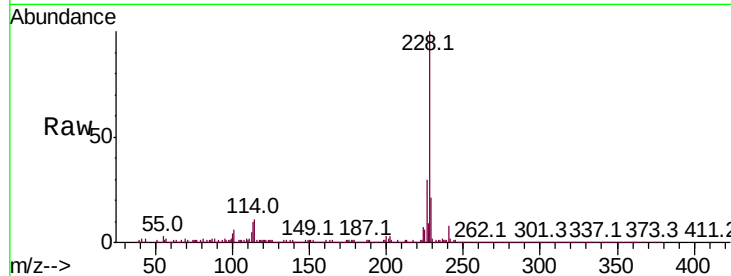
#80
Benzo(a)anthracene
Concen: 35.244 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.3	15.8	23.6

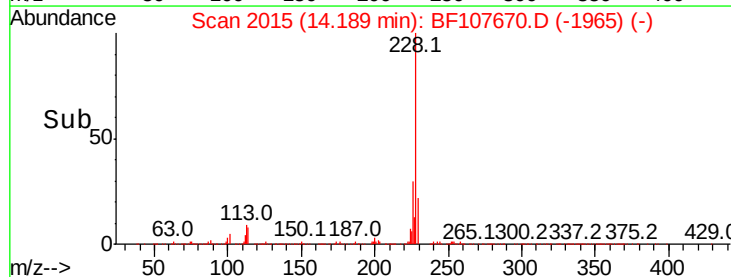
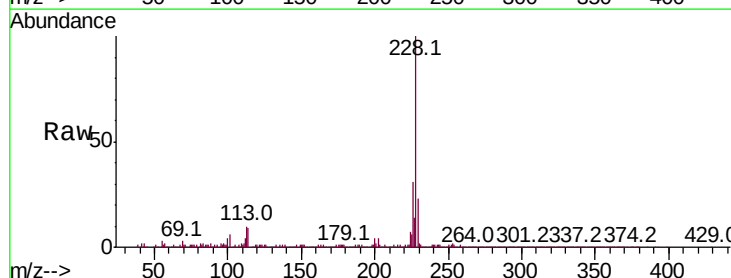
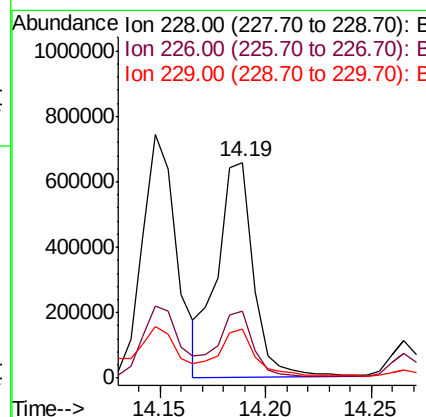
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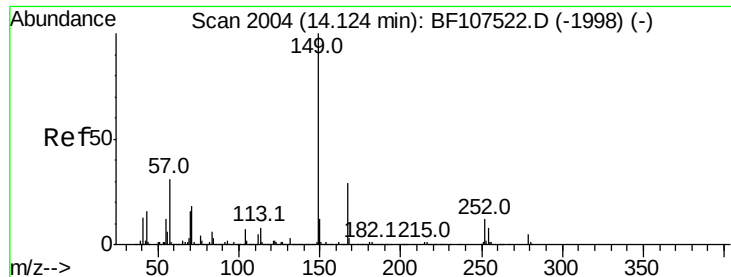
Sohil
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#82
Chrysene
Concen: 33.952 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.5	16.2	24.4





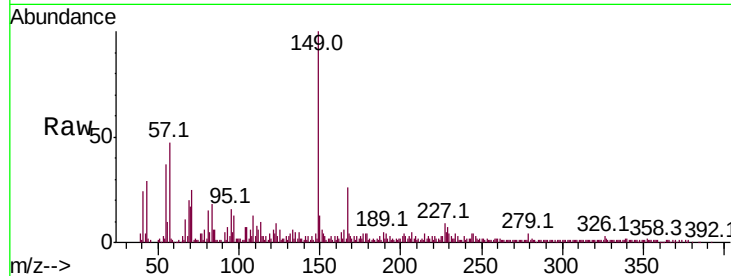
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.939 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF107670.D
 Acq: 25 Jul 2018 21:11

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.3	31.9
279	4.3	3.0	4.4

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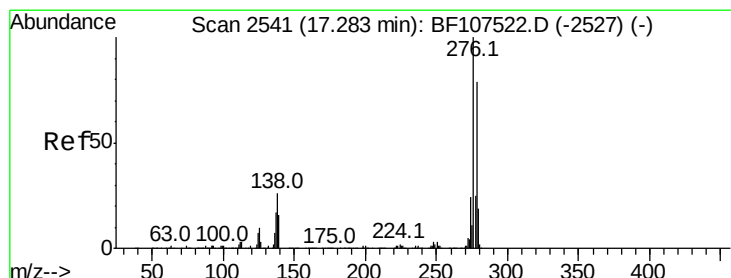
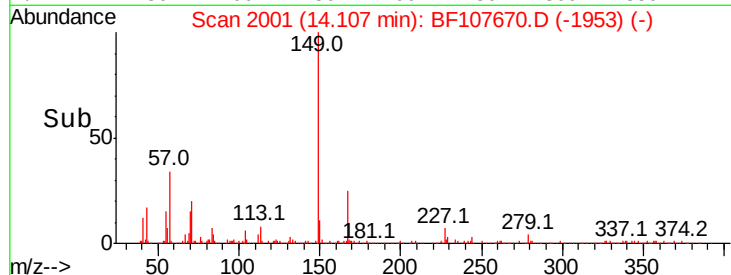
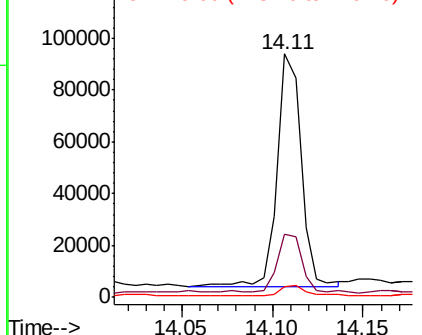


Abundance

Ion 149.00 (148.70 to 149.70): E

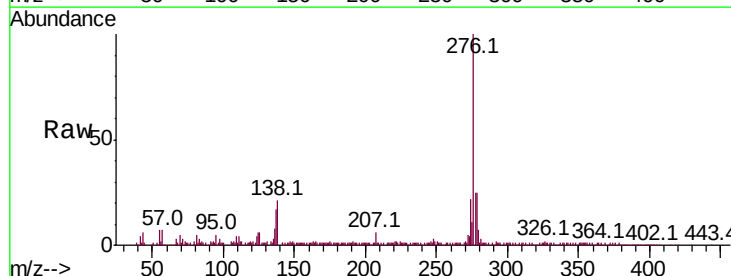
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.050 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BF107670.D
 Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.0	37.6#
277	23.9	20.1	30.1

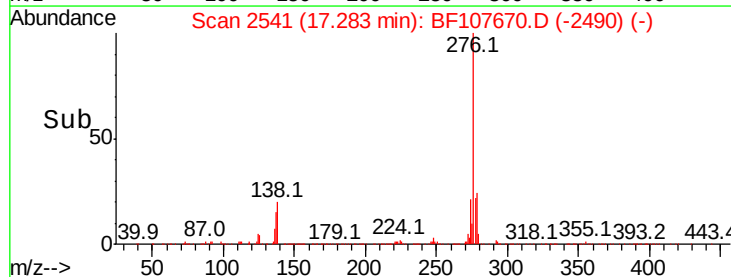
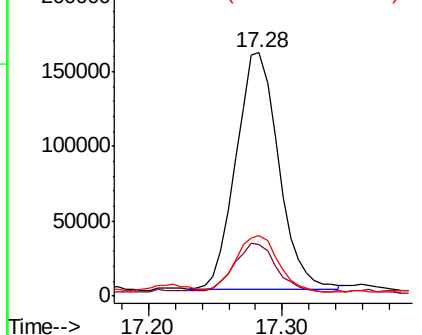


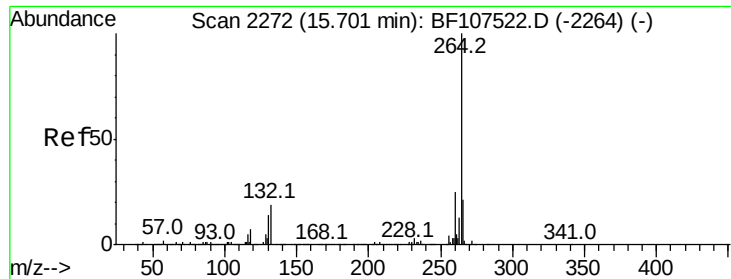
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Instrument :

BNA_F

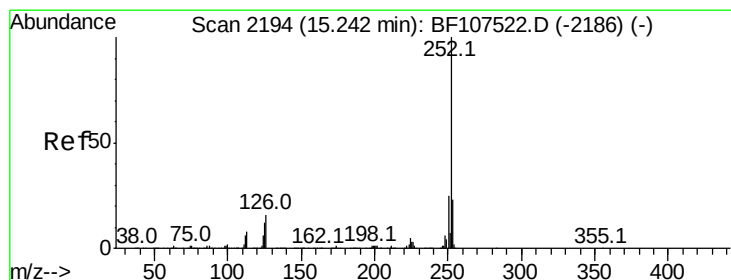
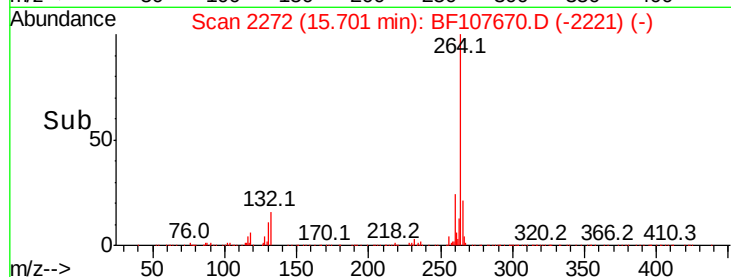
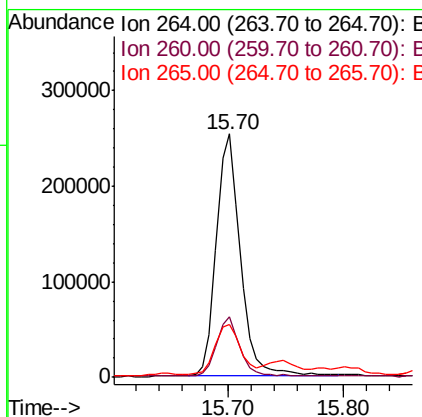
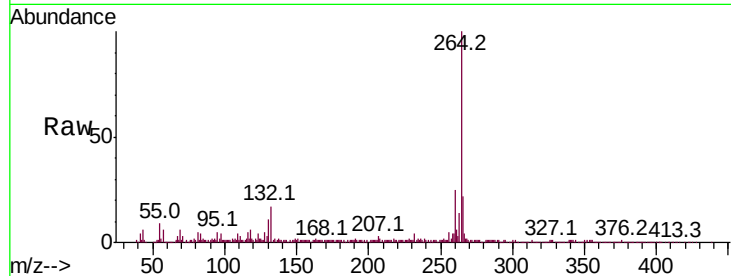
ClientSampleId :

PLANTER-DOC-5

Tot Ion:	264	Resp:	370304
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	21.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 43.247 ng m

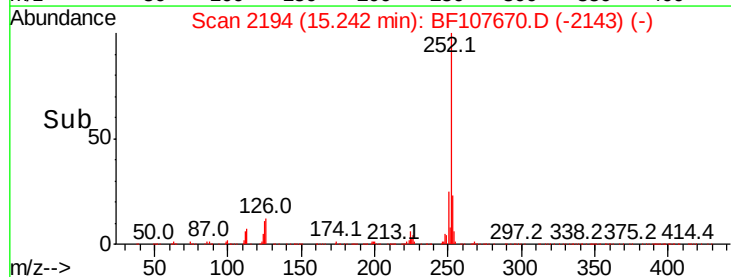
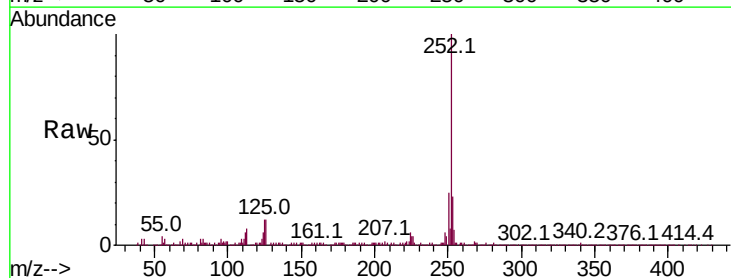
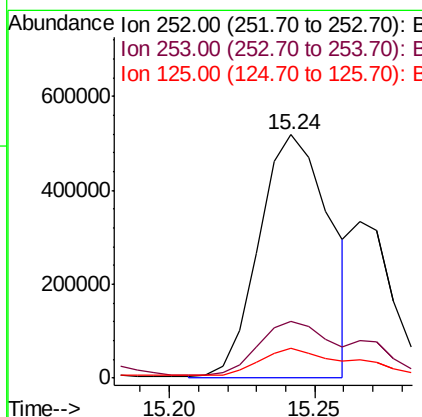
RT: 15.24 min Scan# 2194

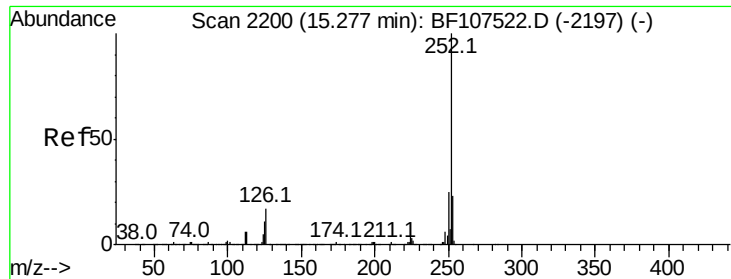
Delta R.T. -0.00 min

Lab File: BF107670.D

Acq: 25 Jul 2018 21:11

Tgt Ion:	252	Resp:	876450
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	12.3	9.0	13.6





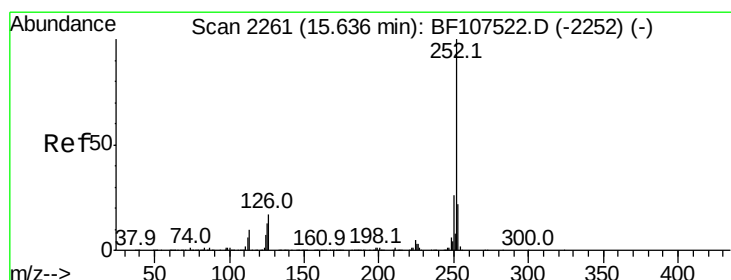
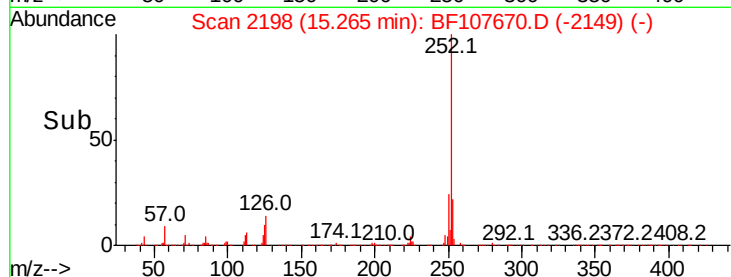
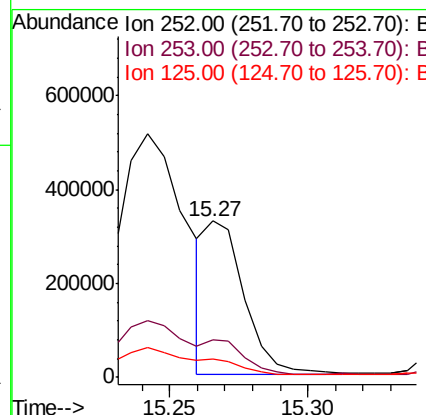
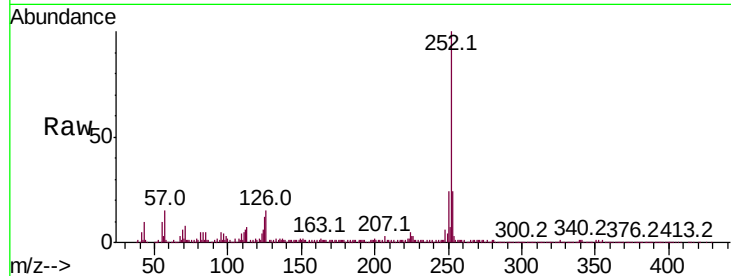
#88
Benzo(k)fluoranthene
Concen: 15.974 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	11.7	10.2	15.2

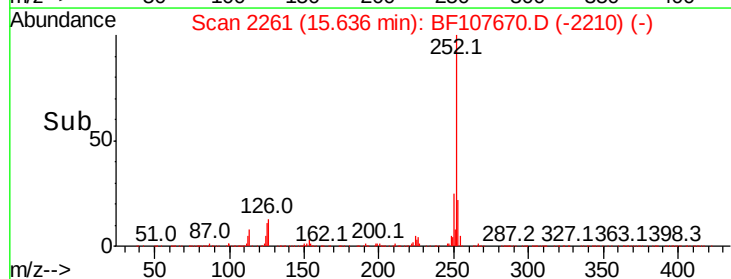
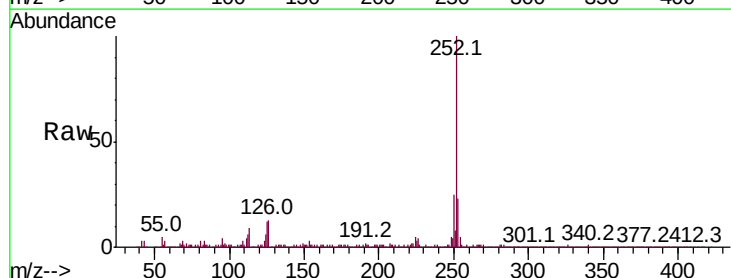
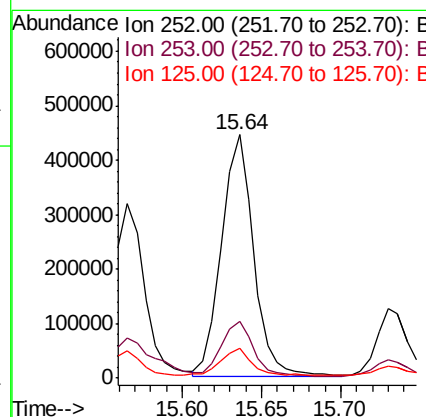
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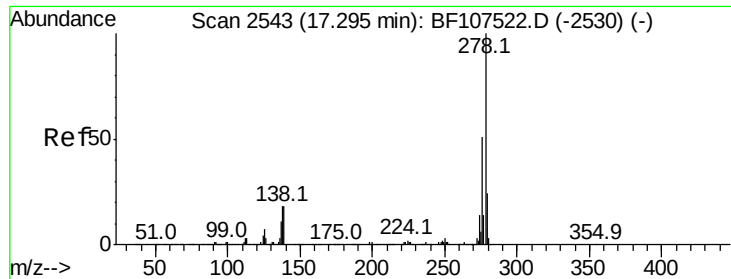
Sohil
7/26/2018 2:02:01 PM



#89
Benzo(a)pyrene
Concen: 33.696 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	12.3	9.8	14.6





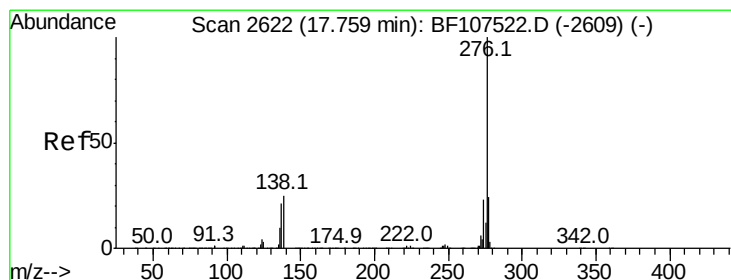
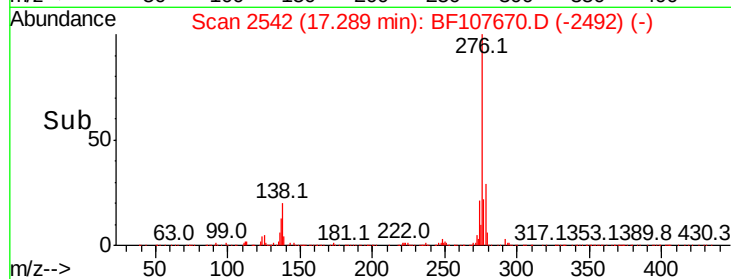
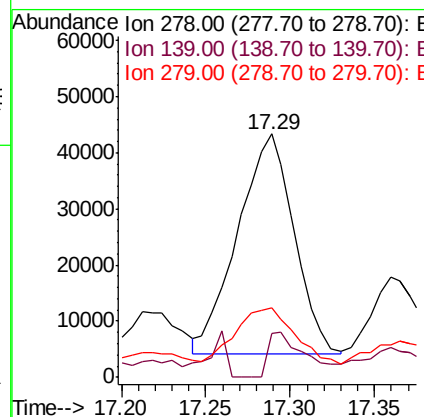
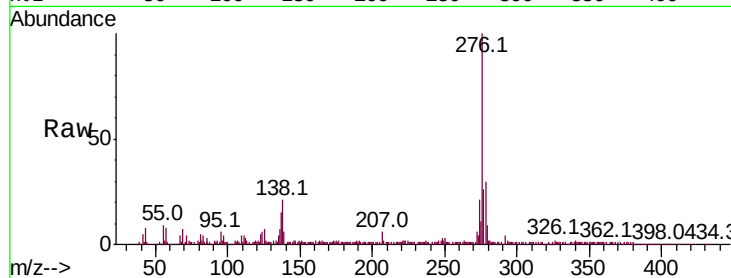
#90
Dibenzo(a,h)anthracene
Concen: 5.645 ng m
RT: 17.29 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.9	23.9
279	28.6	19.0	28.4

Manual Integrations
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7/26/2018 2:02:01 PM



#91
Benzo(g,h,i)perylene
Concen: 21.869 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF107670.D
Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	21.6	21.8	32.8

