

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107672.D
 Acq On : 25 Jul 2018 22:05
 Operator : JU/SJ
 Sample : J4031-08 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-8

Manual Integrations
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 7/26/2018 2:02:05 PM

Quant Time: Jul 26 03:20:58 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	199962	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	758625	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	286686	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	501760	20.00	ng	0.00
75) Chrysene-d12	14.16	240	427447	20.00	ng	0.00
86) Perylene-d12	15.70	264	365728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	416015	33.45	ng	-0.01
7) Phenol-d6	6.60	99	543991	36.43	ng	-0.02
23) Nitrobenzene-d5	7.53	82	306888	27.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	116052	35.60	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	630640	30.13	ng	-0.02
78) Terphenyl-d14	13.09	244	523439	31.35	ng	-0.01
Target Compounds						
51) Acenaphthene	10.04	154	37582	2.092	ng	99
57) Fluorene	10.56	166	37856	2.006	ng	# 96
70) Phenanthrene	11.53	178	613036	25.072	ng	98
71) Anthracene	11.58	178	196674	7.989	ng	98
72) Carbazole	11.74	167	51886	2.027	ng	99
74) Fluoranthene	12.72	202	1314334	50.093	ng	98
77) Pyrene	12.96	202	1246109	42.620	ng	97
80) Benzo(a)anthracene	14.15	228	663952	26.506	ng	97
82) Chrysene	14.18	228	609238	25.319	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	254016m	12.456	ng	
87) Benzo(b)fluoranthene	15.24	252	700383m	34.991	ng	
88) Benzo(k)fluoranthene	15.27	252	219659m	11.201	ng	
89) Benzo(a)pyrene	15.63	252	455383	24.872	ng	98
90) Dibenzo(a,h)anthracene	17.28	278	62661m	3.959	ng	
91) Benzo(a,h,i)perylene	17.76	276	252873	16.198	ng	# 91

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

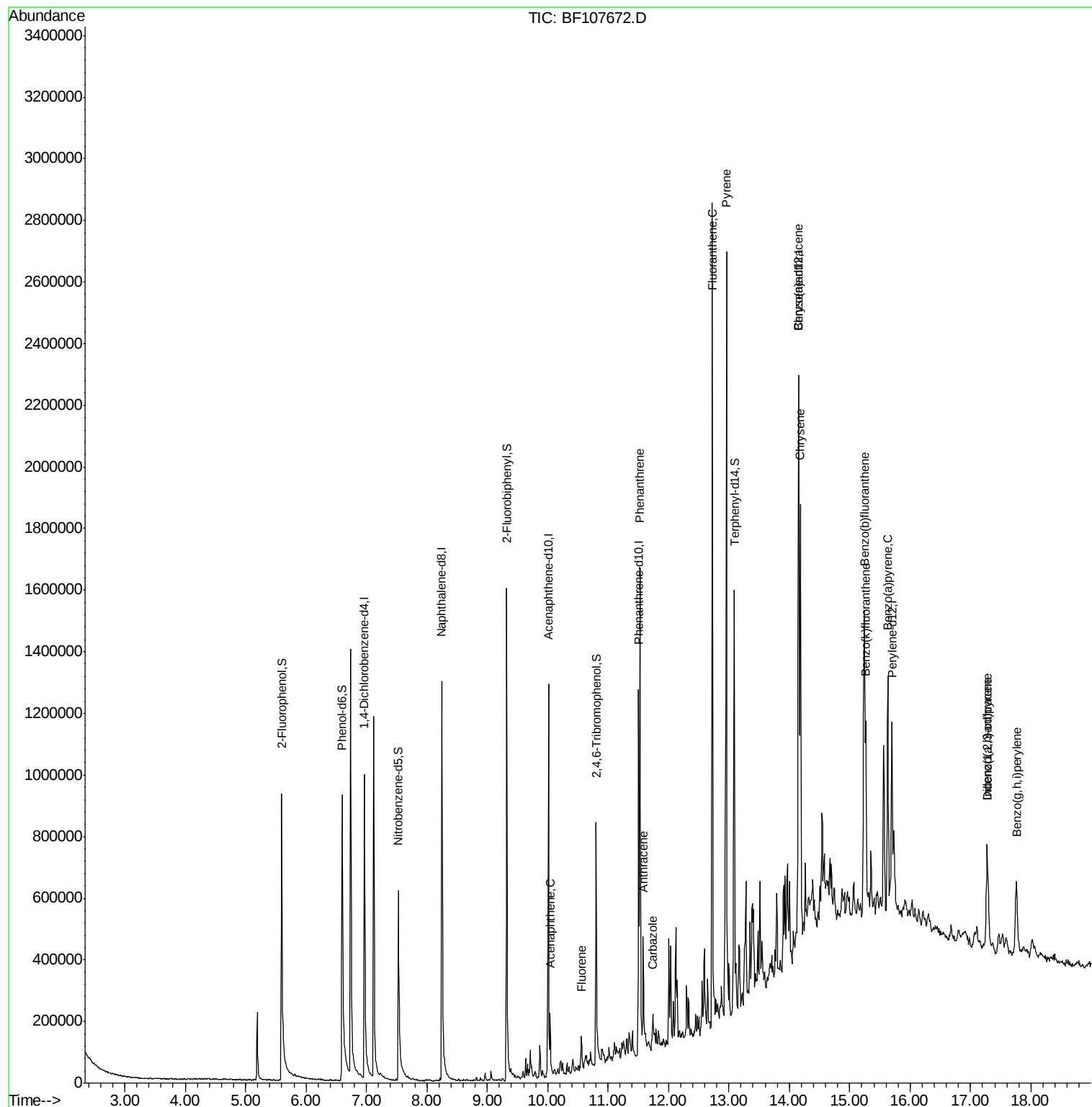
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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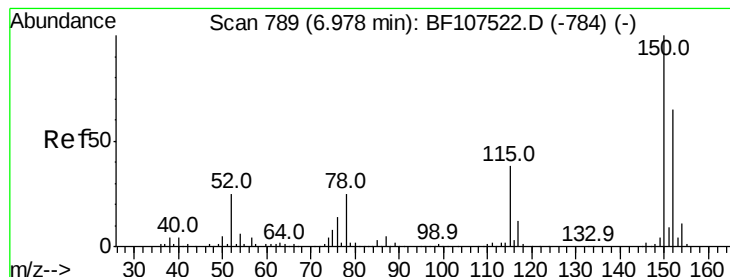
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#1

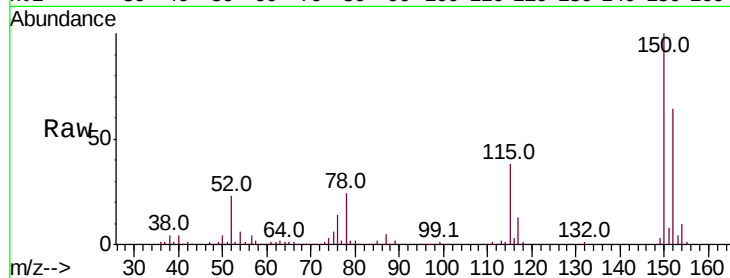
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	60.0	50.1	75.1

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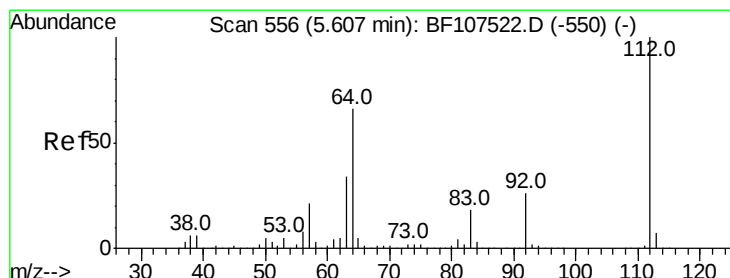
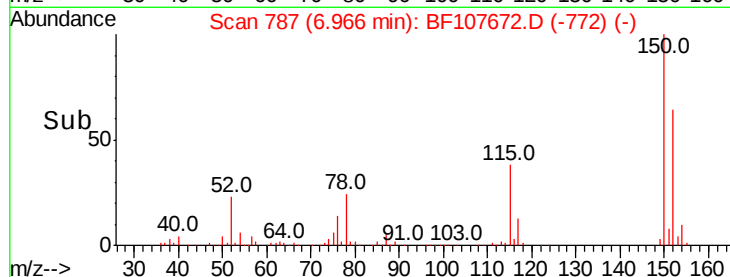
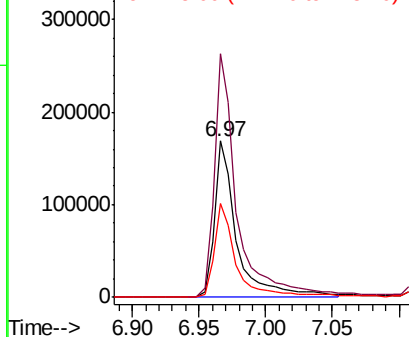


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

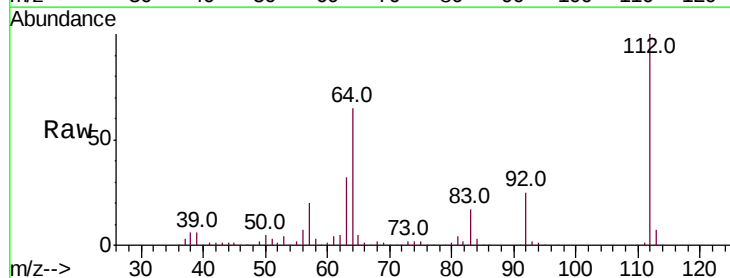
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 33.450 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	32.0	23.7	35.5

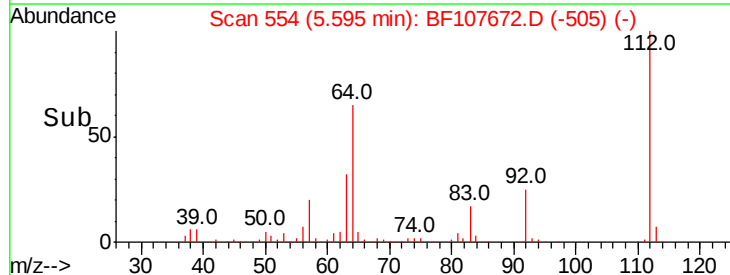
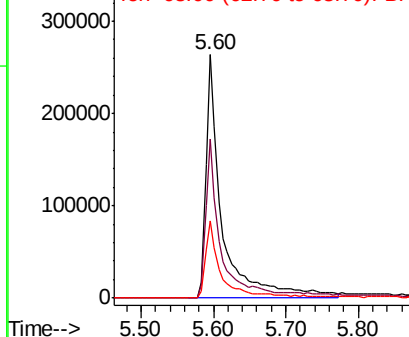


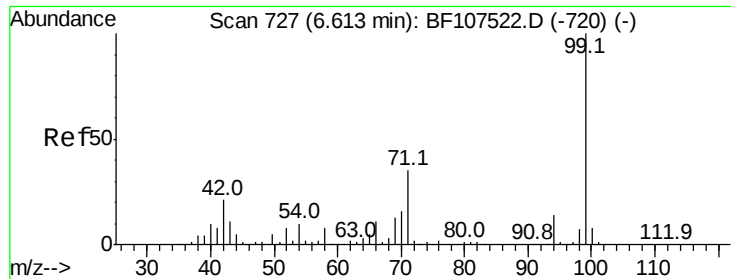
Abundance

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: 36.428 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Instrument :

BNA_F

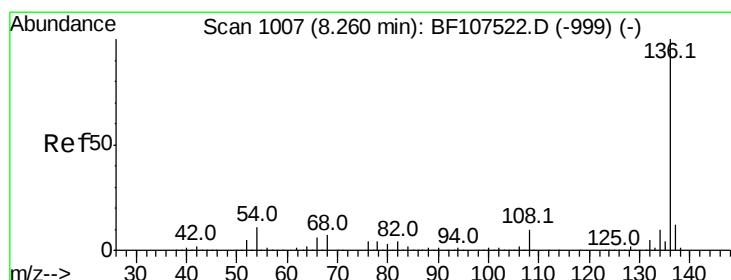
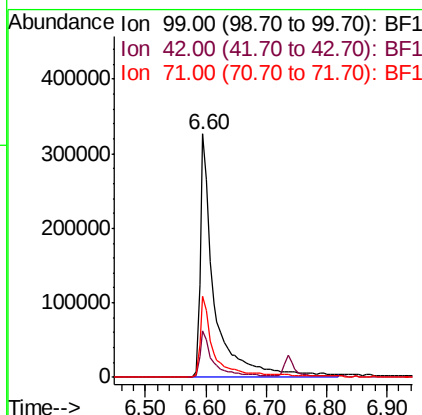
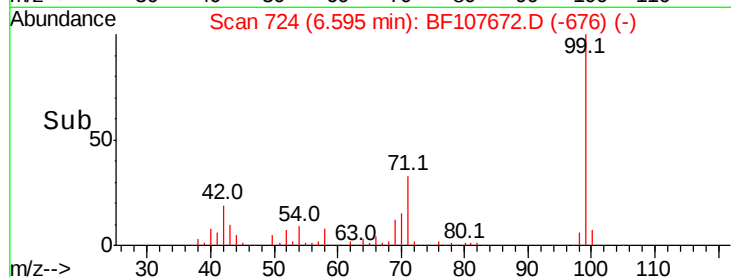
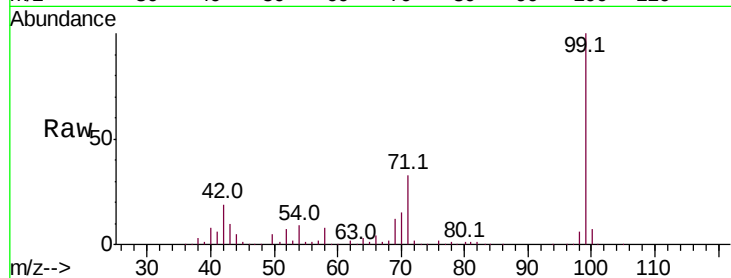
ClientSampleId :

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Tot Ion:	99	Resp:	543991
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

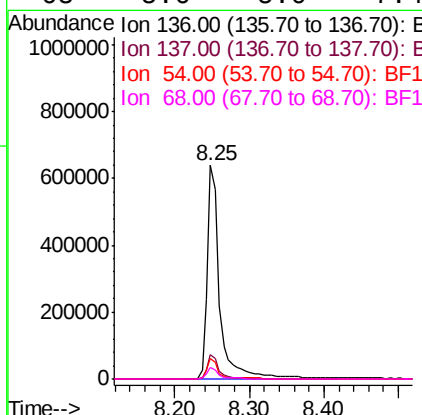
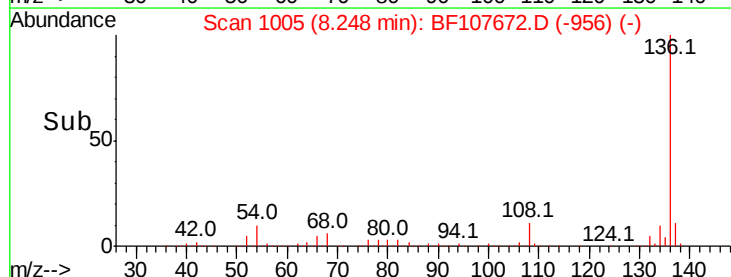
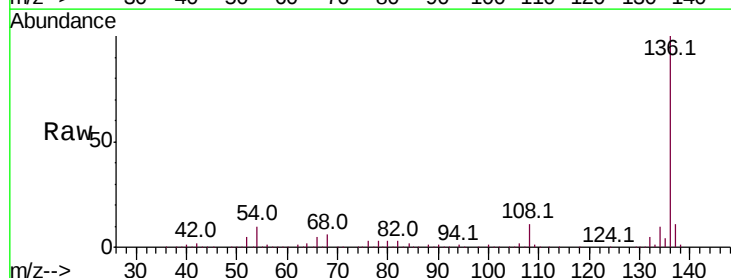
RT: 8.25 min Scan# 1005

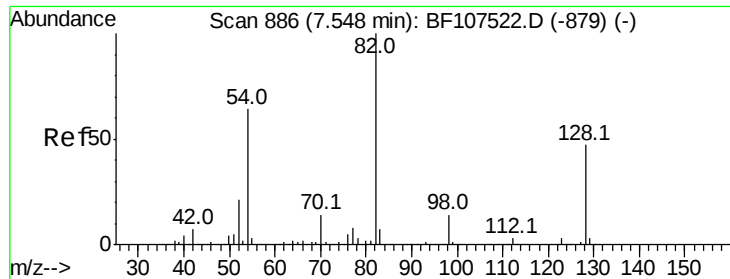
Delta R.T. -0.01 min

Lab File: BF107672.D

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Tgt Ion:	136	Resp:	758625
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	9.6	6.6	9.8
68	5.6	5.0	7.4





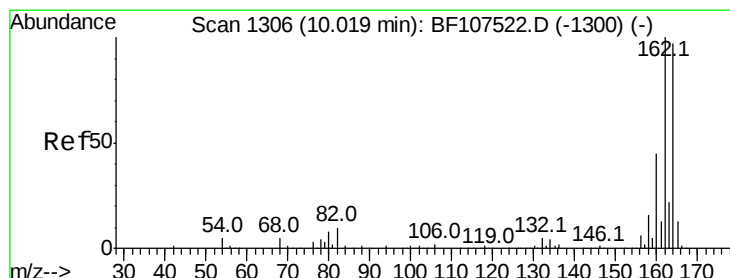
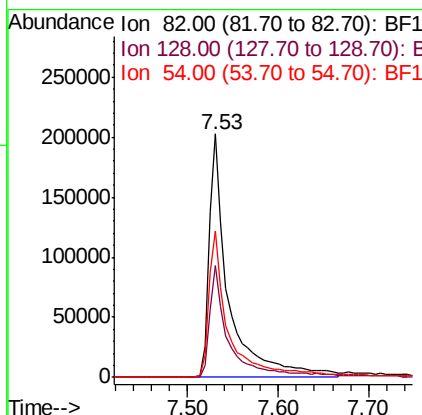
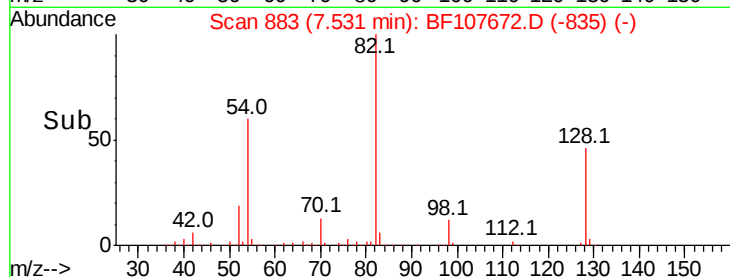
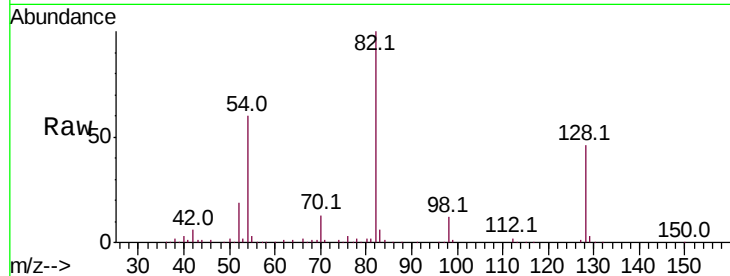
#23
Nitrobenzene-d5
Concen: 27.301 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	60.1	41.4	62.2

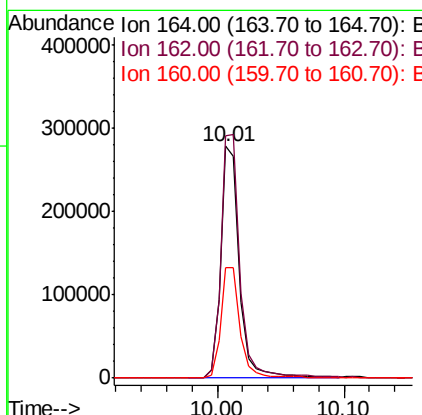
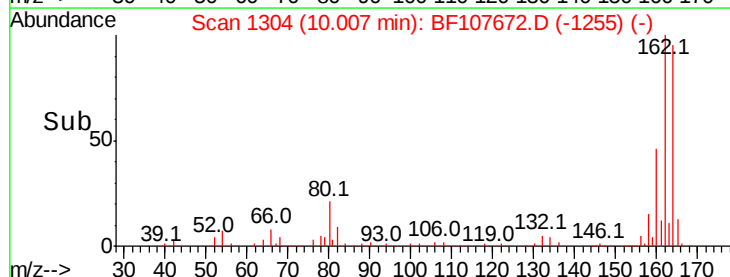
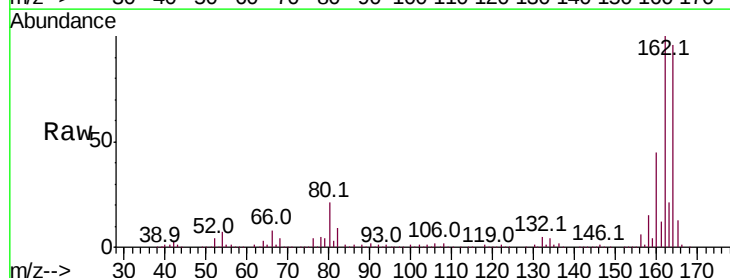
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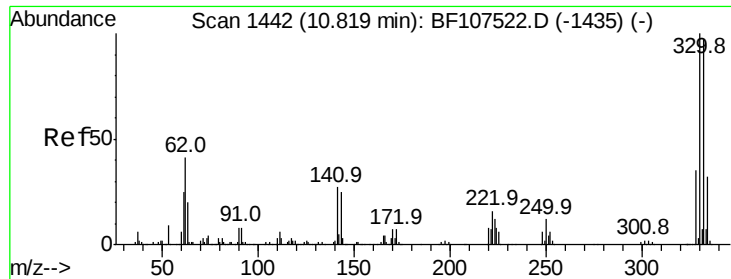
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	47.6	38.3	57.5





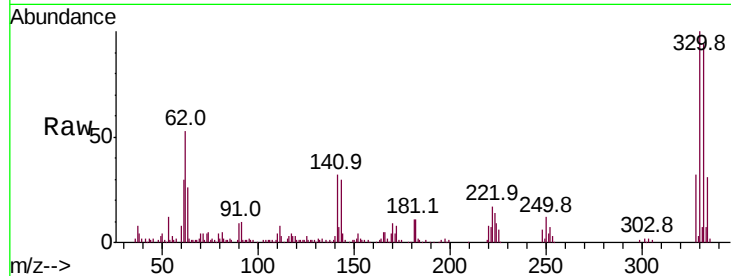
#41
 2,4,6-Tribromophenol
 Concen: 35.598 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107672.D
 Acq: 25 Jul 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
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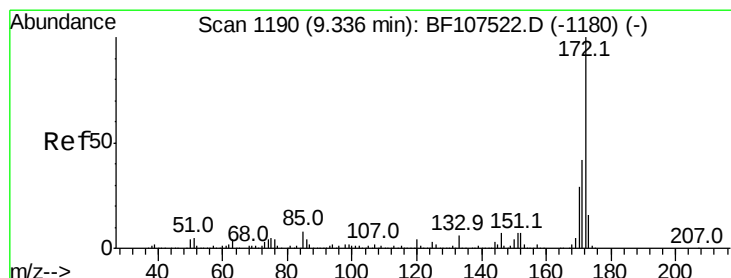
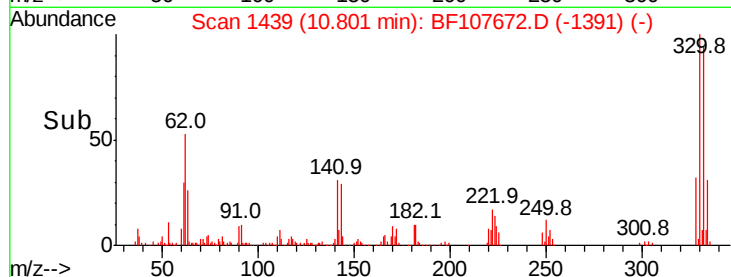
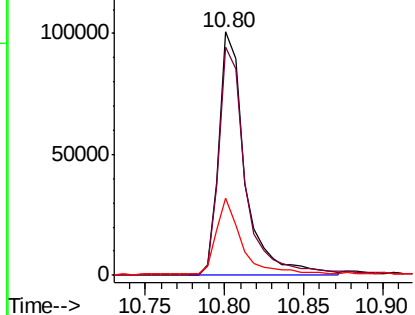
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.1	77.0	115.6	
141	30.7	29.9	44.9	

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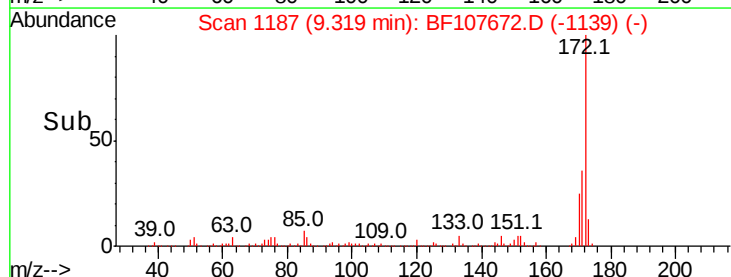
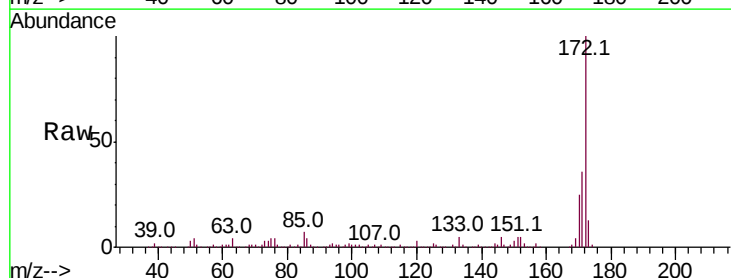
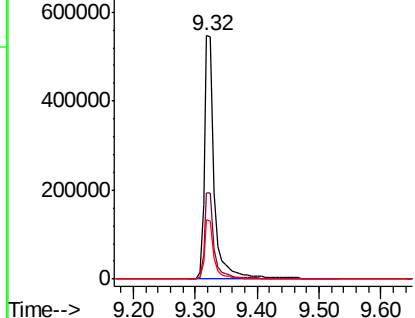
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

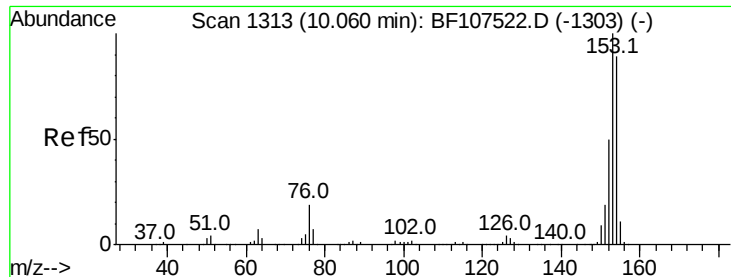


#44
 2-Fluorobiphenyl
 Concen: 30.132 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107672.D
 Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	24.5	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





#51

Acenaphthene

Concen: 2.092 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Instrument :

BNA_F

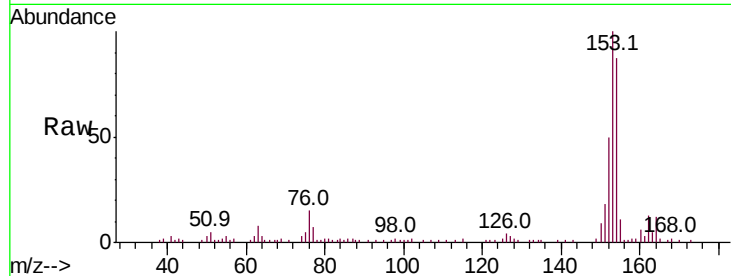
ClientSampleId :

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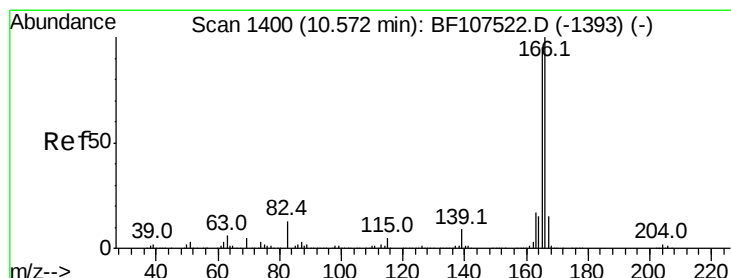
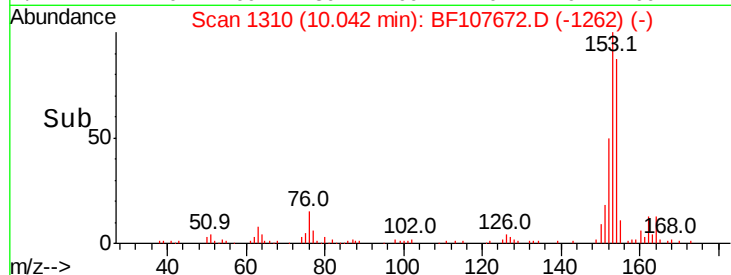
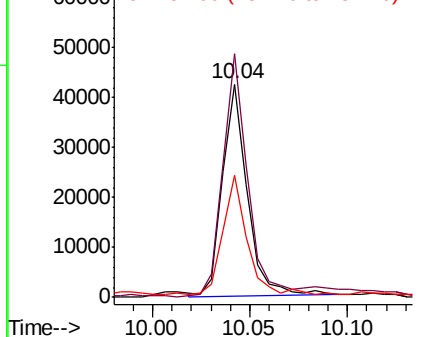
Tot Ion:	154	Resp:	37582
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.2	136.8
152	57.1	43.8	65.8

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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: 2.006 ng

RT: 10.56 min Scan# 1398

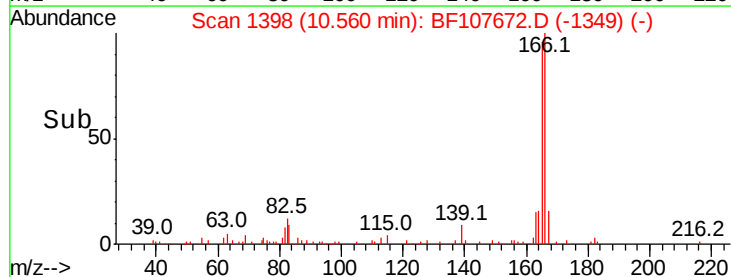
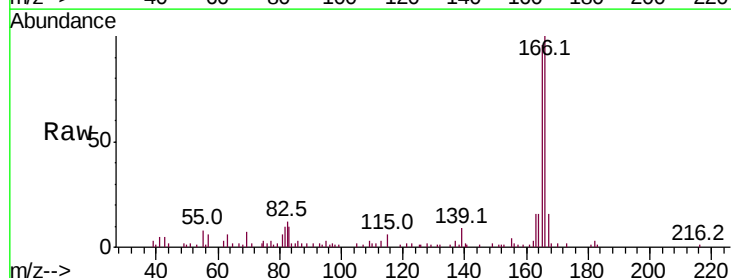
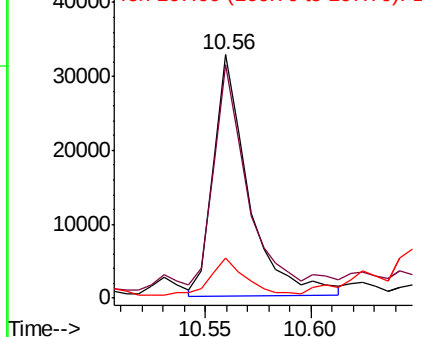
Delta R.T. -0.01 min

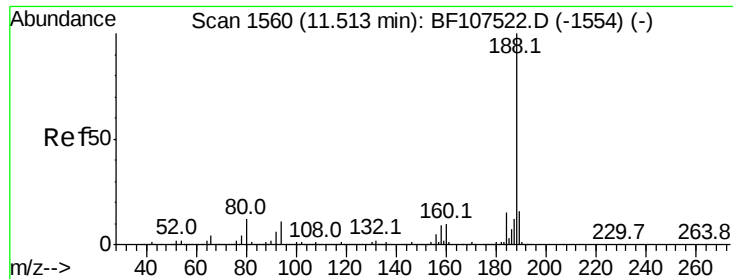
Lab File: BF107672.D

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Tgt Ion:	166	Resp:	37856
Ion Ratio	Lower	Upper	
166	100		
165	96.1	79.8	119.8
167	16.4	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





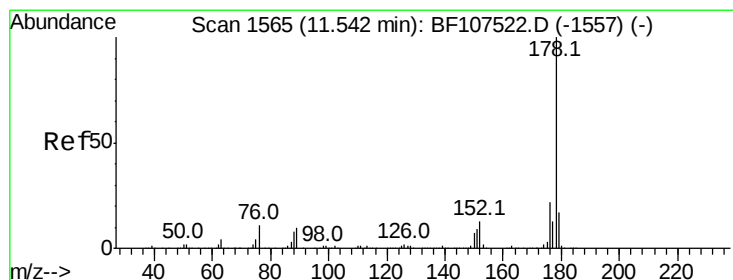
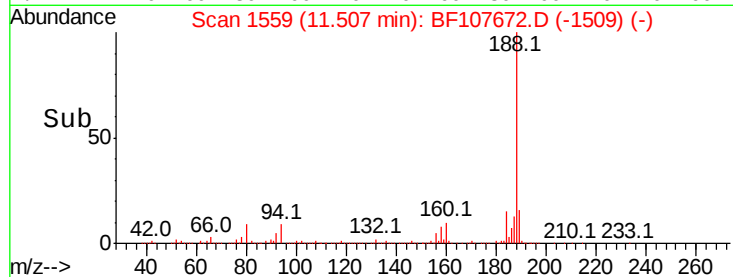
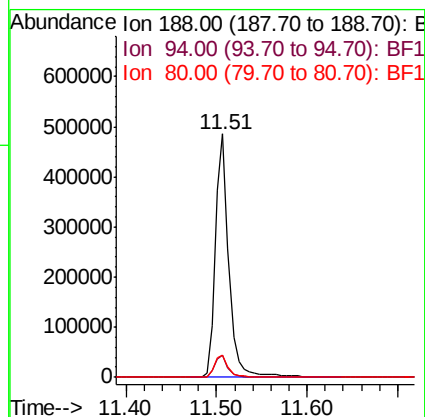
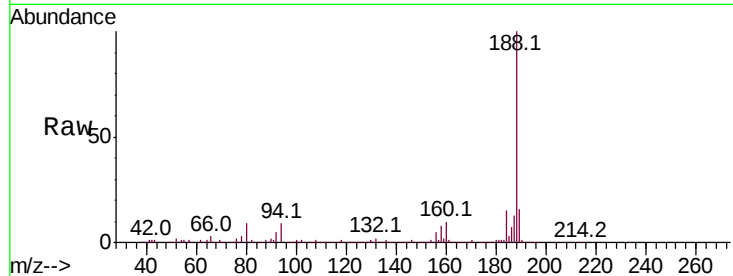
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.4	9.2	13.8

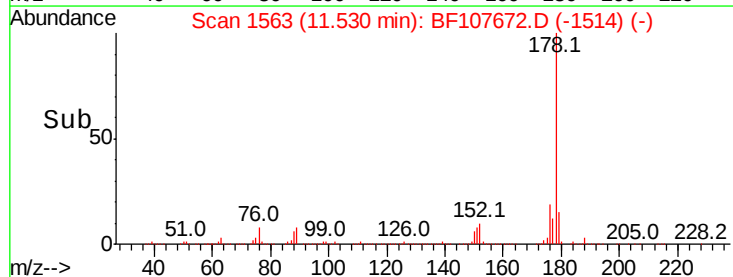
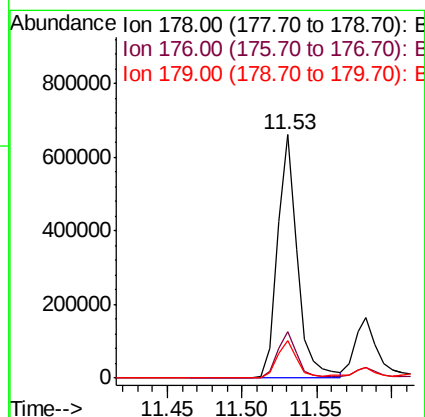
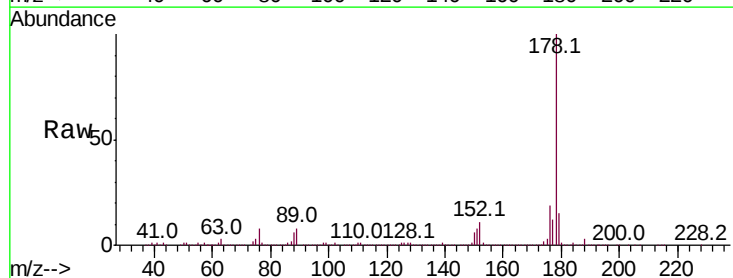
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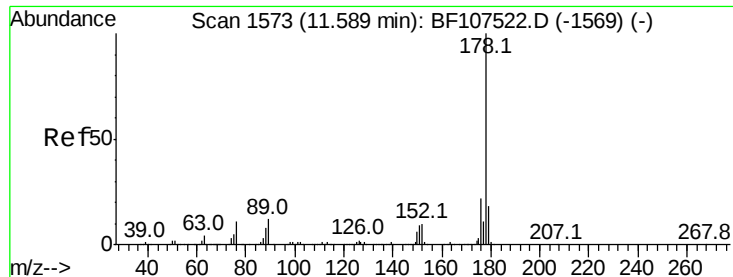
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#70
Phenanthrene
Concen: 25.072 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6





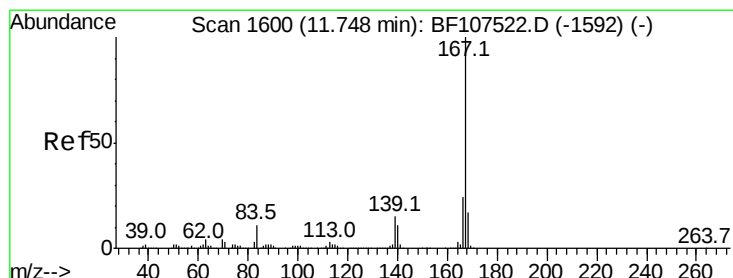
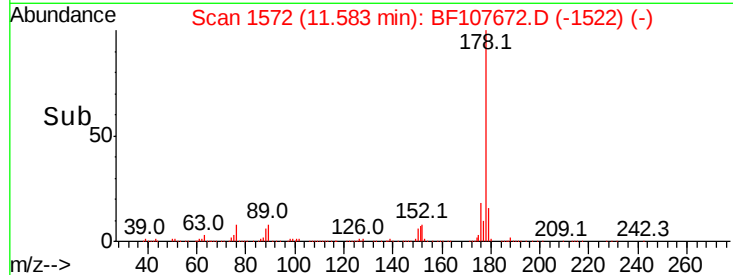
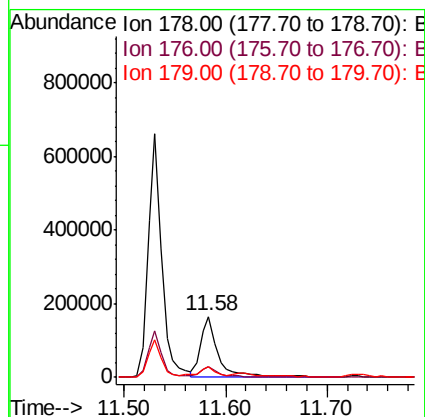
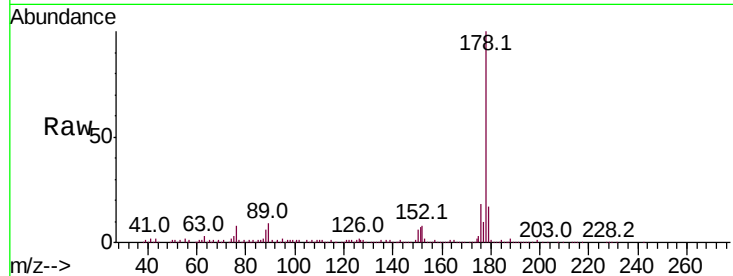
#71
 Anthracene
 Concen: 7.989 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107672.D
 Acq: 25 Jul 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-8

Tot Ion:	178	Resp:	196674
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	16.6	12.6	19.0

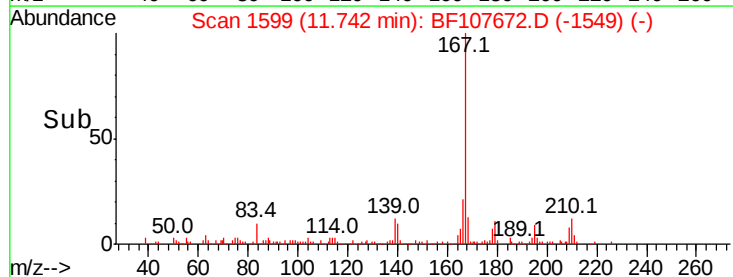
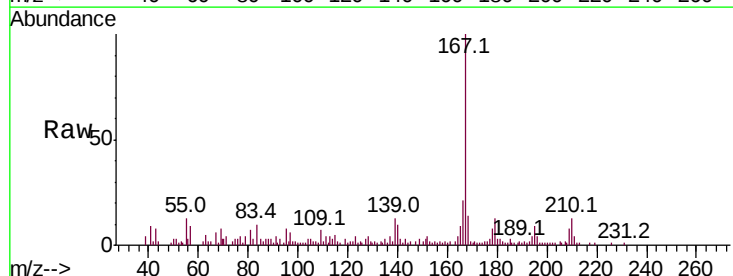
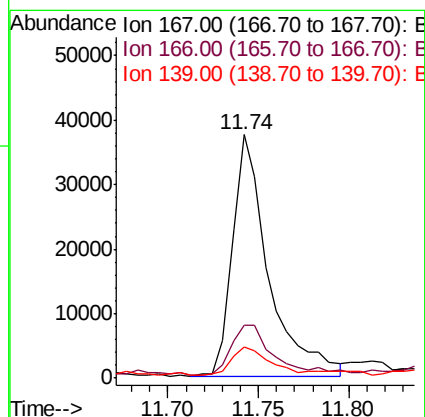
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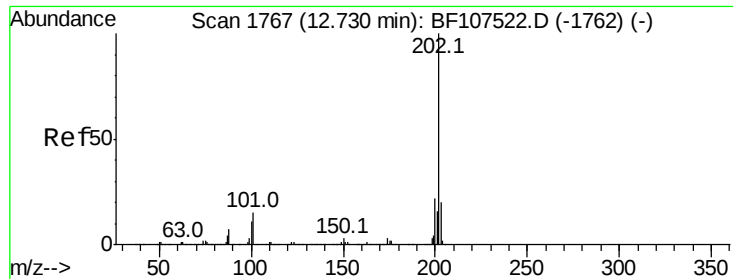
Sohil
 7/26/2018 2:02:05 PM



#72
 Carbazole
 Concen: 2.027 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107672.D
 Acq: 25 Jul 2018 22:05

Tgt Ion:	167	Resp:	51886
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	12.8	10.9	16.3





#74

Fluoranthene

Concen: 50.093 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Instrument :

BNA_F

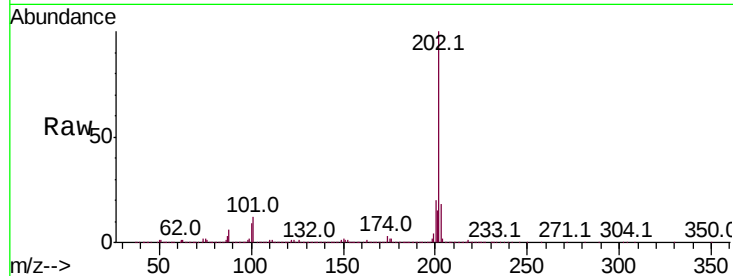
ClientSampleId :

PLANTER-DOC-8

Tot Ion:	202	Resp:	1314334
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.9	0.0	38.1

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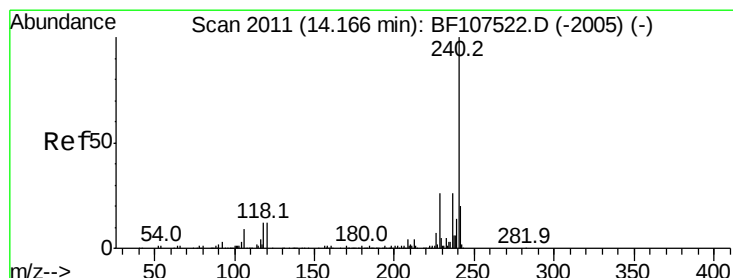
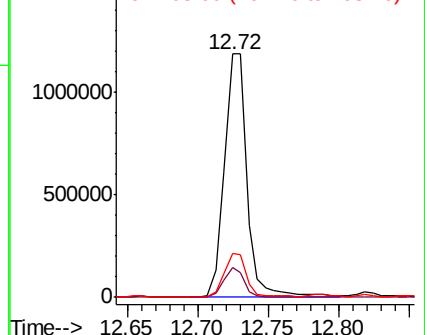
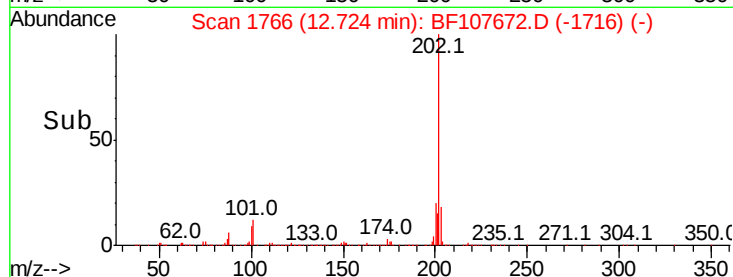


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

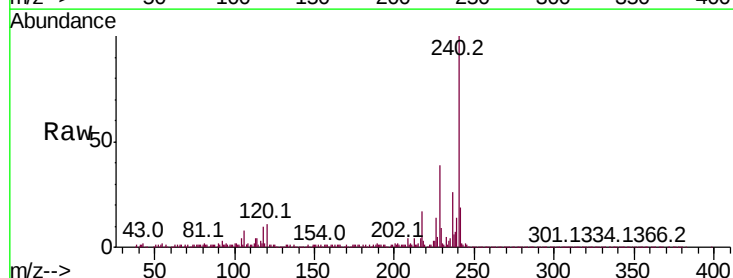
RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Tgt Ion:	240	Resp:	427447
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.0	20.7	31.1

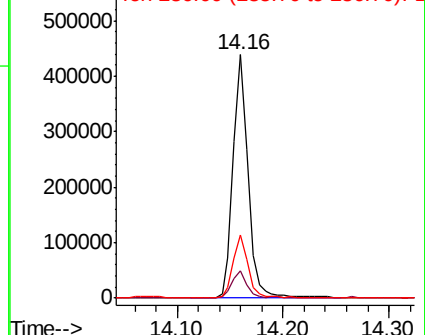
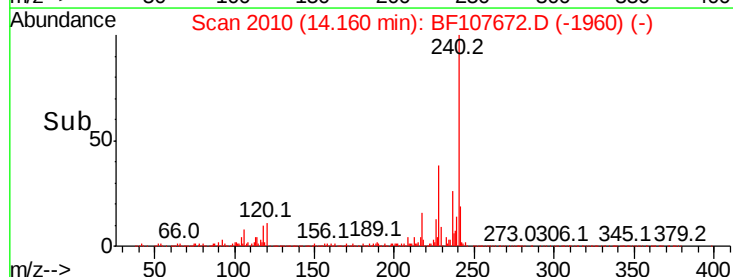


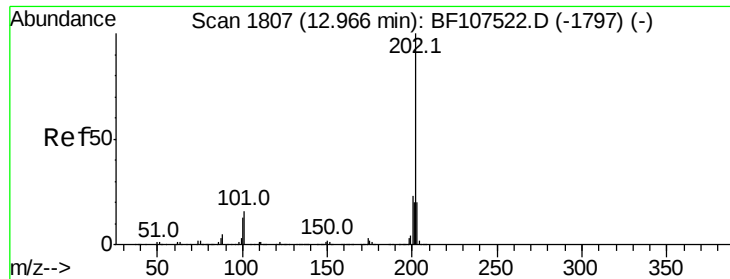
Abundance

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: 42.620 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Instrument :

BNA_F

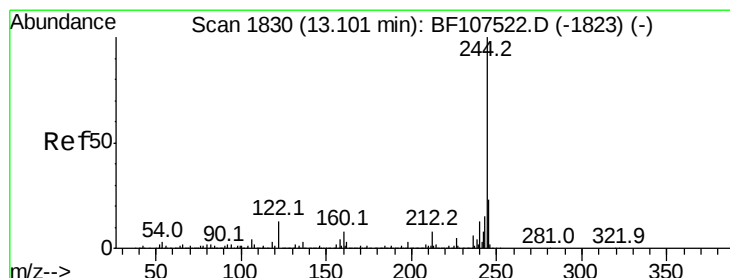
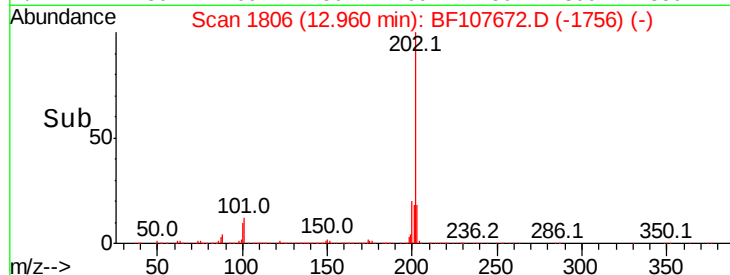
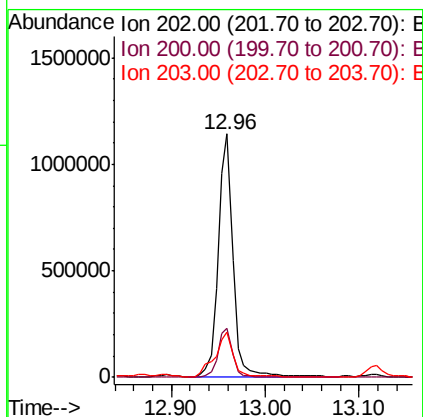
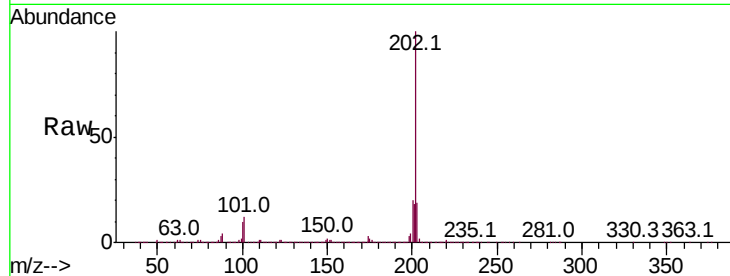
ClientSampleId :

PLANTER-DOC-8

Tot Ion:	202	Resp:	1246109
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	18.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 31.350 ng

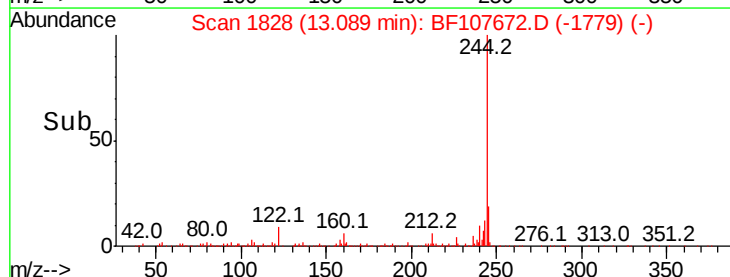
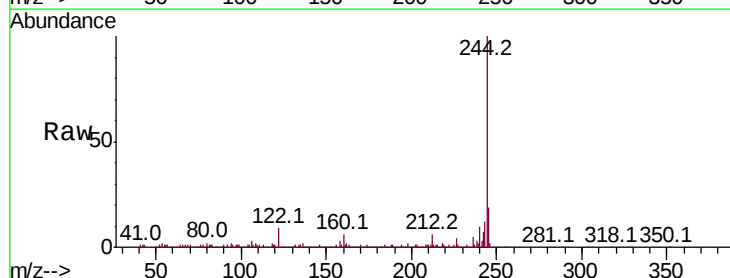
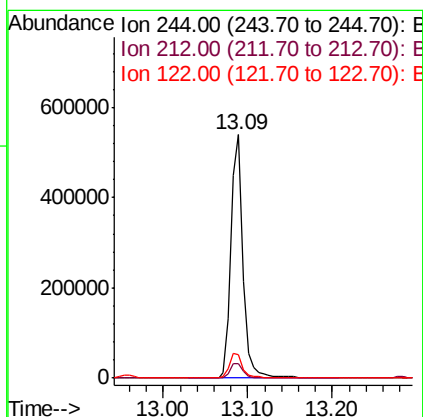
RT: 13.09 min Scan# 1828

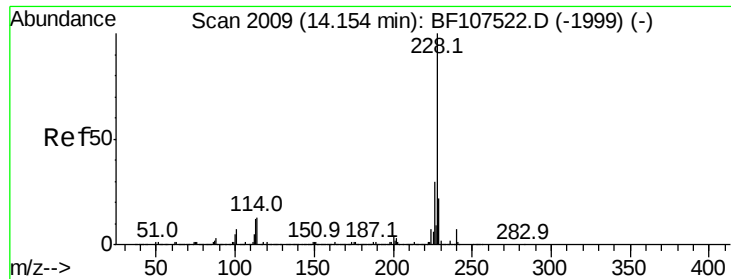
Delta R.T. -0.01 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Tgt Ion:	244	Resp:	523439
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	9.4	11.0	16.4#





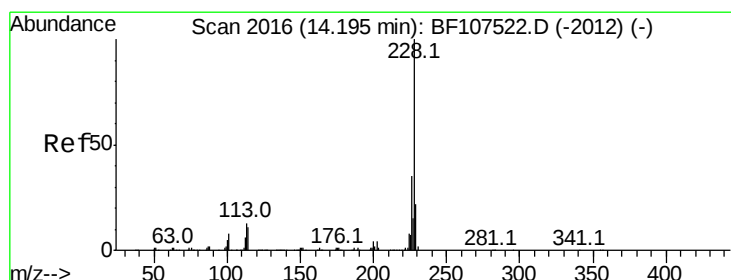
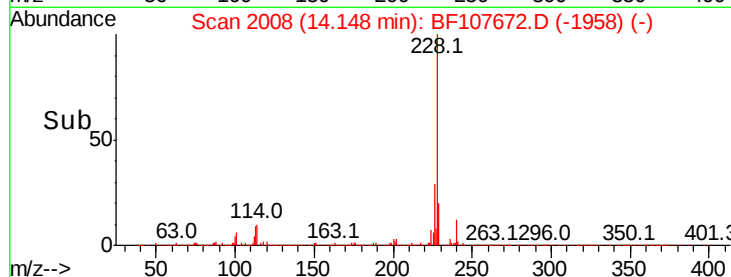
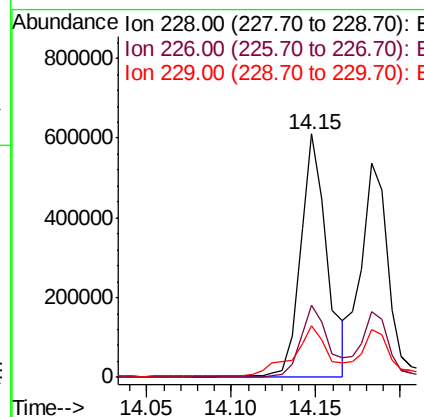
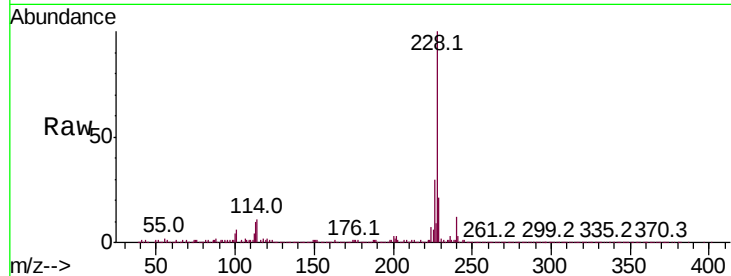
#80
Benzo(a)anthracene
Concen: 26.506 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-8

Tot Ion	Ratio	Resp	Lower	Upper
228	100	663952		
226	29.7		22.6	33.8
229	21.1		15.8	23.6

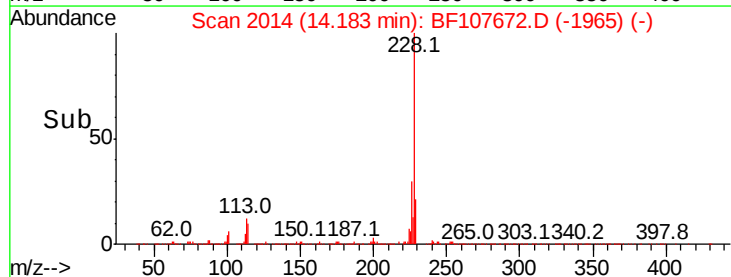
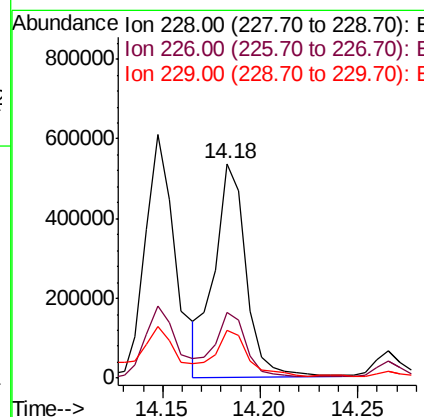
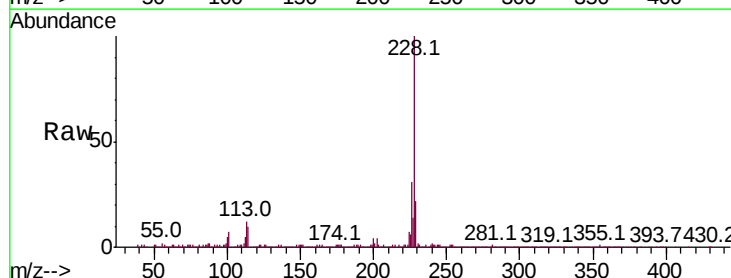
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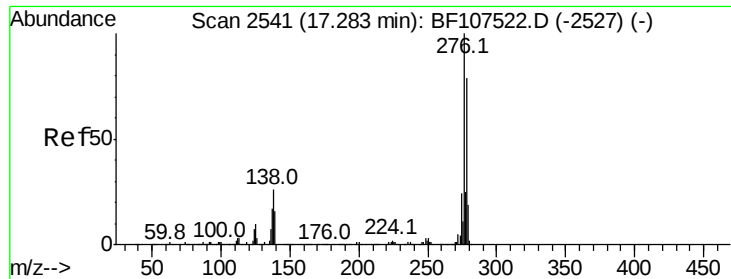
Sohil
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#82
Chrysene
Concen: 25.319 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	609238		
226	30.8		25.0	37.6
229	22.4		16.2	24.4





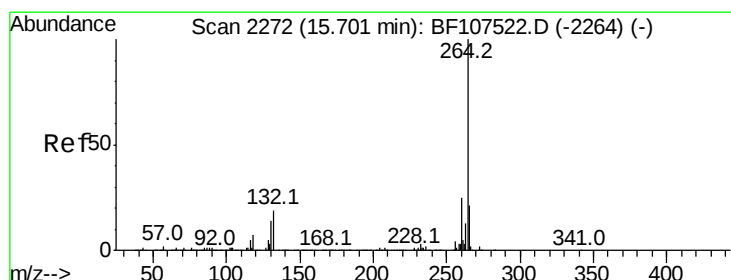
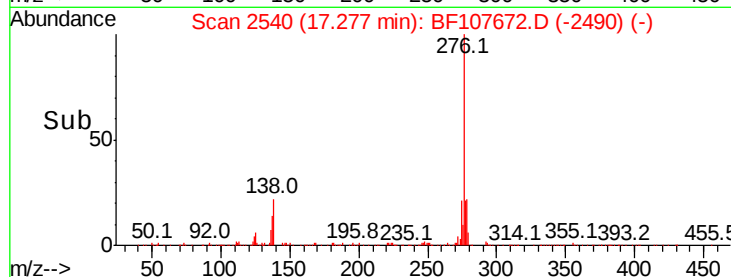
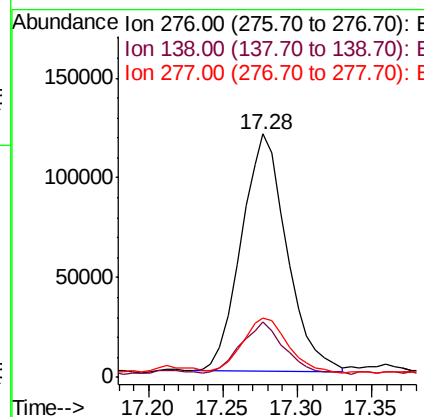
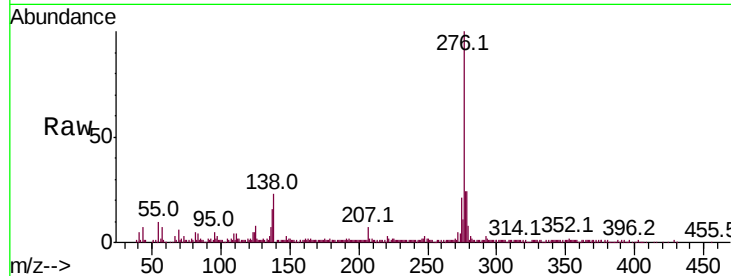
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.456 ng/ml
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	25.0	37.6#
277	0.0	20.1	30.1#

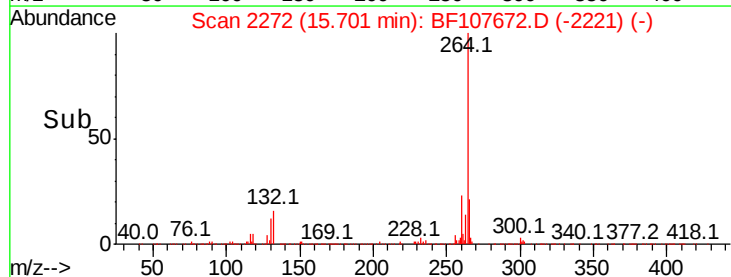
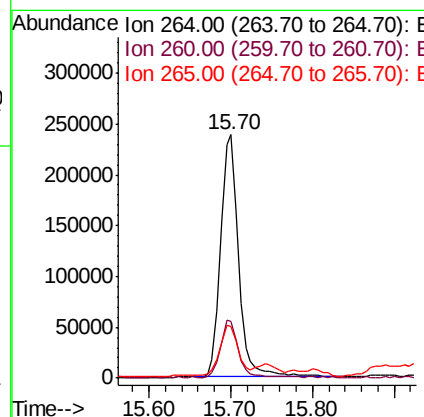
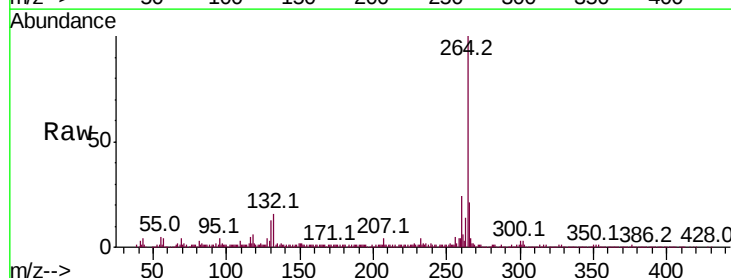
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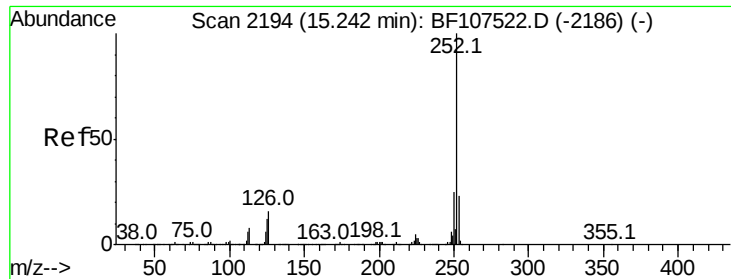
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 34.991 ng m

RT: 15.24 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Instrument :

BNA_F

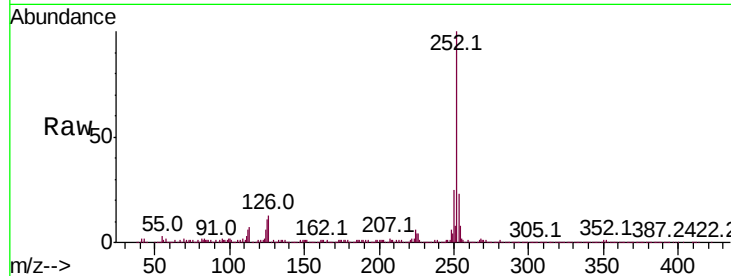
ClientSampleId :

PLANTER-DOC-8

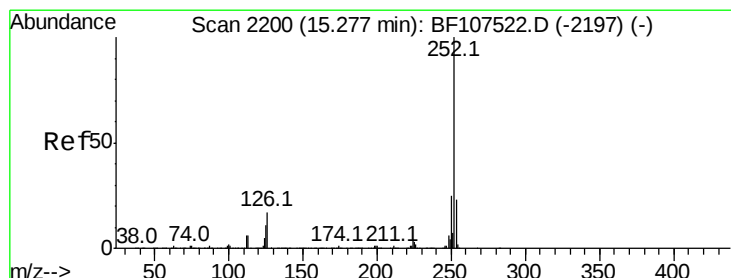
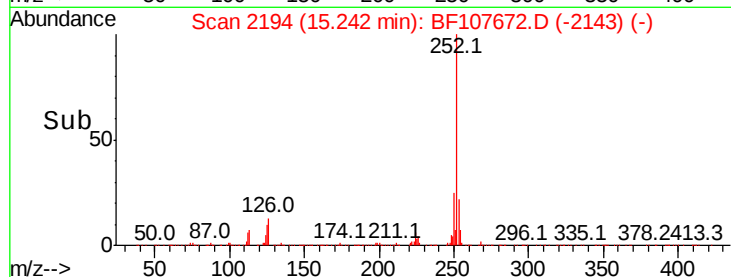
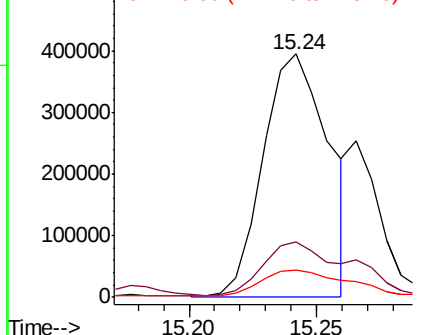
Tot Ion:	252	Resp:	700383
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	11.0	9.0	13.6

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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



#88

Benzo(k)fluoranthene

Concen: 11.201 ng m

RT: 15.27 min Scan# 2198

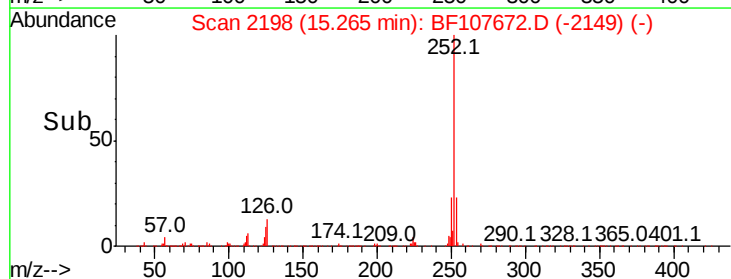
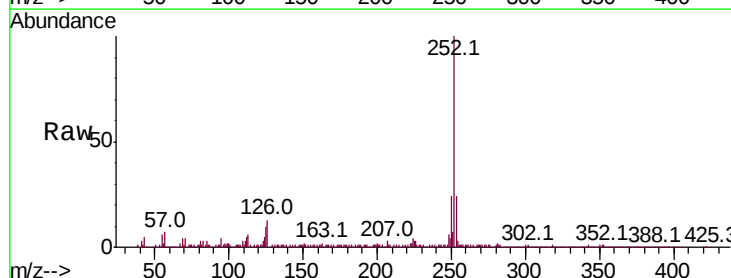
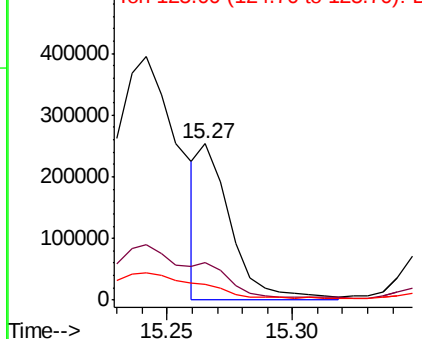
Delta R.T. -0.01 min

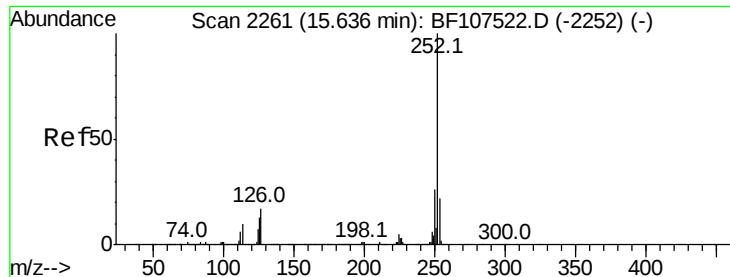
Lab File: BF107672.D

Acq: 25 Jul 2018 22:05

Tgt Ion:	252	Resp:	219659
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.9	26.9
125	10.1	10.2	15.2#

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





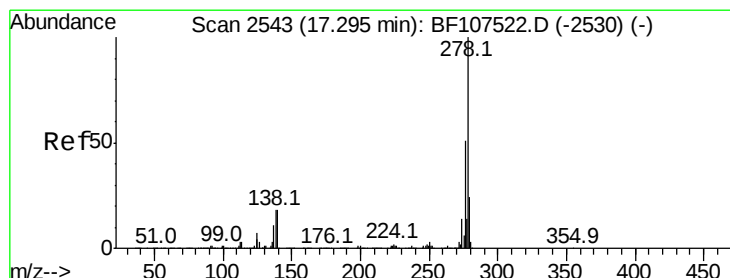
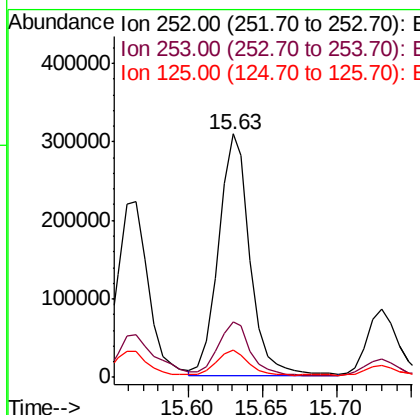
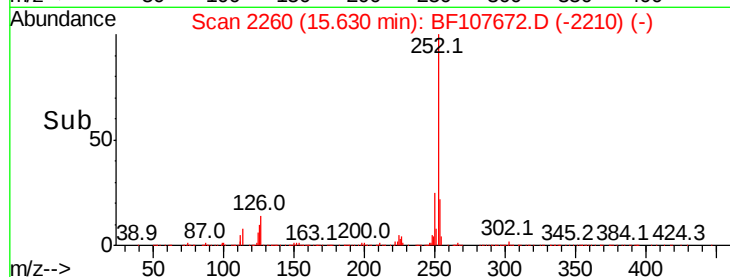
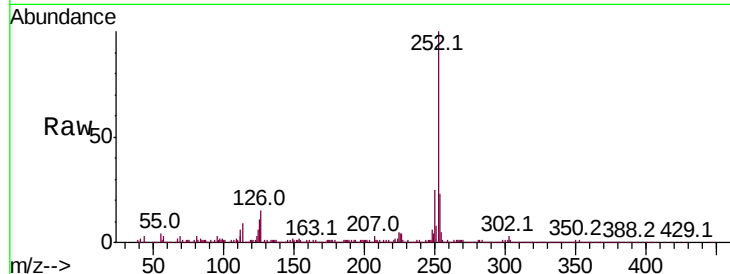
#89
Benzo(a)pyrene
Concen: 24.872 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.3	9.8	14.6

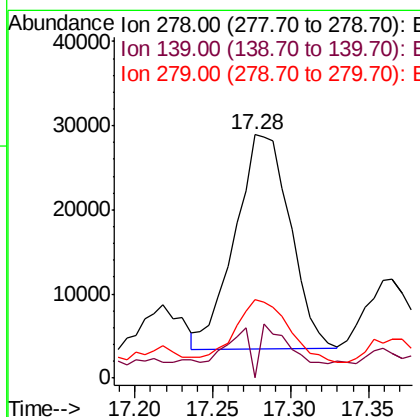
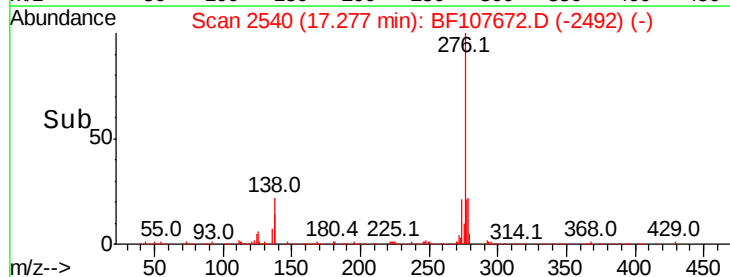
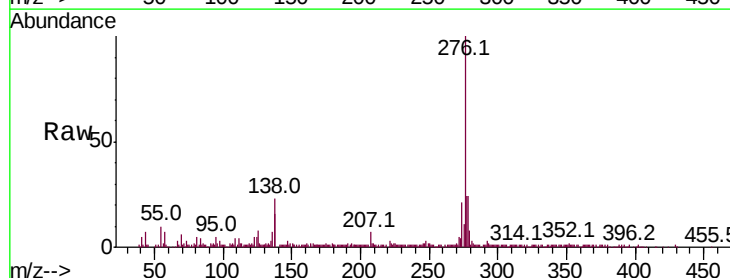
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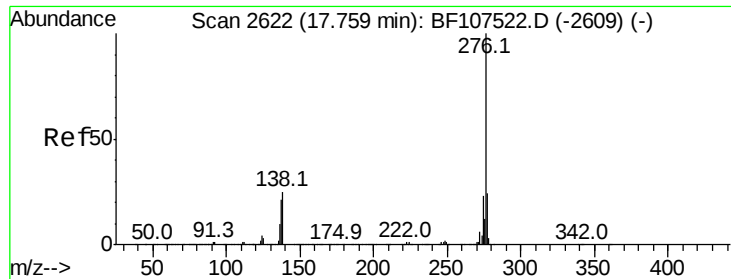
Sohil
7/26/2018 2:02:05 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.959 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF107672.D
Acq: 25 Jul 2018 22:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	32.1	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 16.198 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BF107672.D
 Acq: 25 Jul 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-8

Tot Ion:	276	Resp:	252873
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	20.0	21.8	32.8#

Manual Integrations
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