

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107695.D
 Acq On : 26 Jul 2018 9:30
 Operator : JU/SJ
 Sample : J4031-02DL 25X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-2DL

Manual Integrations
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 7/26/2018 2:02:36 PM

Quant Time: Jul 26 11:36:47 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	159430	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	654671	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	240615	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	415153	20.00	ng	0.00
75) Chrysene-d12	14.16	240	352096	20.00	ng	0.00
86) Perylene-d12	15.69	264	308197	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1875	0.19	ng	0.00
7) Phenol-d6	6.64	99	6626	0.56	ng	0.02
23) Nitrobenzene-d5	7.80	82	237	0.02	ng	0.25
41) 2,4,6-Tribromophenol	10.81	330	5731	2.09	ng	-0.01
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.09	244	38007	2.76	ng	-0.01
Target Compounds						
31) Naphthalene	8.27	128	105795	3.675	ng	Qvalue 98
37) 2-Methylnaphthalene	8.97	142	42172	2.114	ng	95
48) Acenaphthylene	9.87	152	248217	10.313	ng	96
51) Acenaphthene	10.04	154	116366	7.717	ng	96
57) Fluorene	10.56	166	115484	7.292	ng	# 96
70) Phenanthrene	11.53	178	404363	19.988	ng	98
71) Anthracene	11.58	178	290932	14.283	ng	98
74) Fluoranthene	12.73	202	1565509	72.114	ng	96
77) Pyrene	12.96	202	1893922	78.639	ng	98
80) Benzo(a)anthracene	14.15	228	732186m	35.485	ng	
82) Chrysene	14.18	228	786217m	39.667	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	281115	16.735	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	672192m	39.852	ng	
88) Benzo(k)fluoranthene	15.26	252	247701m	14.989	ng	
89) Benzo(a)pyrene	15.63	252	594562	38.535	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	68204	5.114	ng	# 91
91) Benzo(a,h,i)perylene	17.75	276	298939	22.723	ng	# 92

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

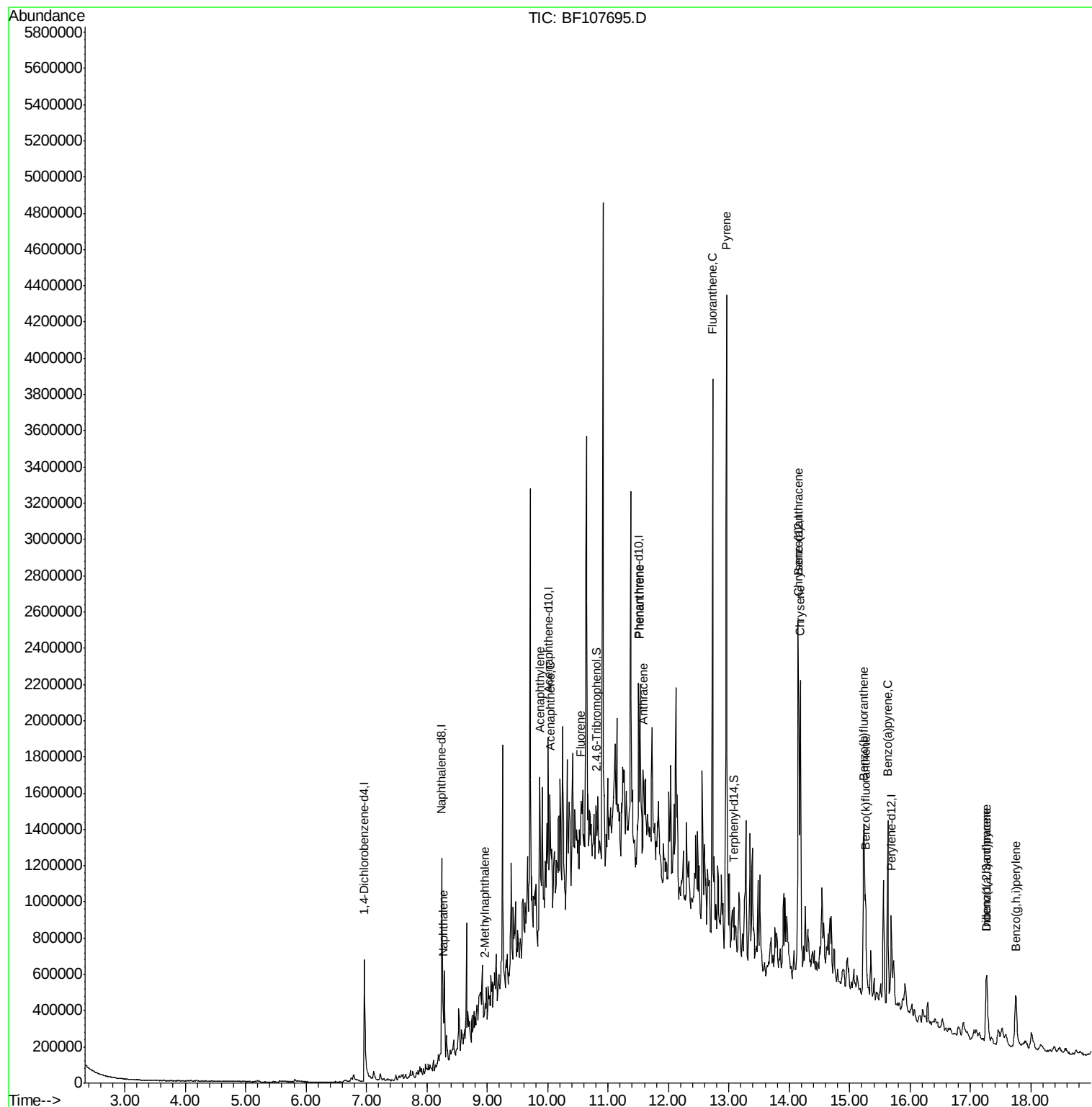
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107695.D
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ALS Vial : 46 Sample Multiplier: 1

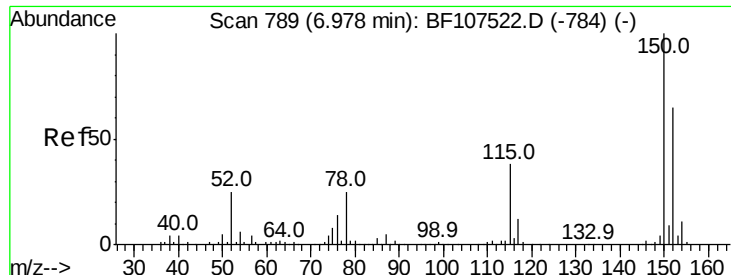
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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#1

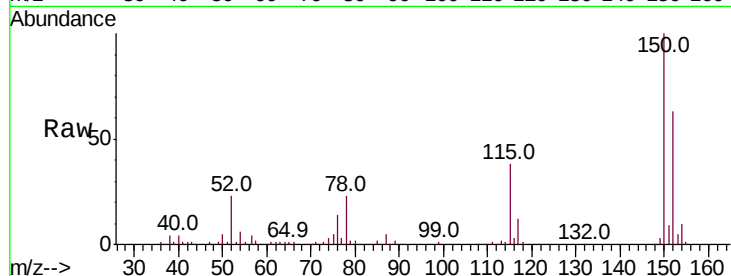
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	59.5	50.1	75.1

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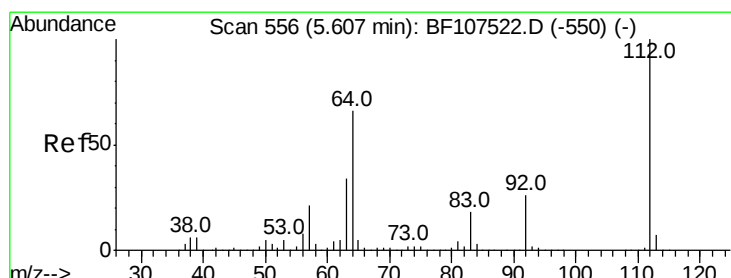
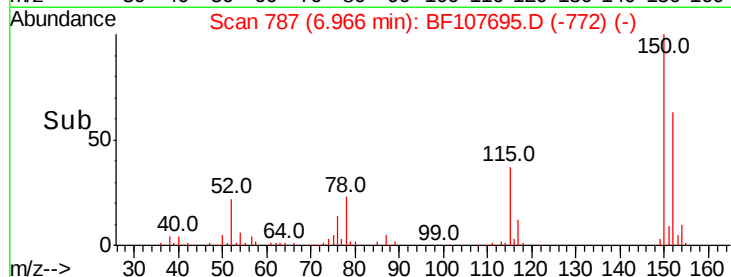
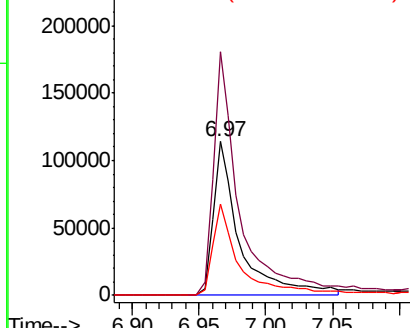


Abundance

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: 0.189 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

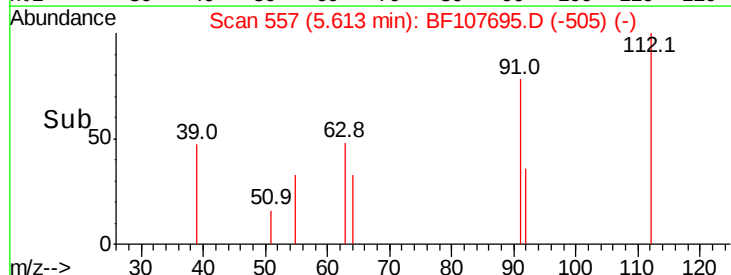
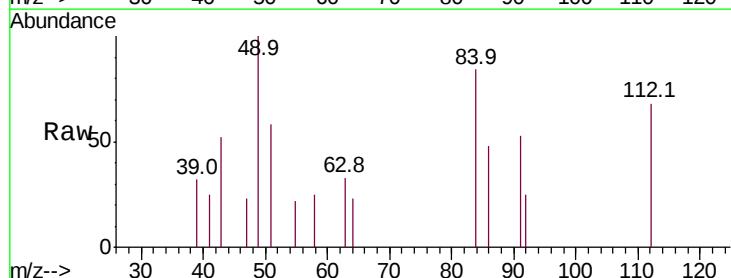
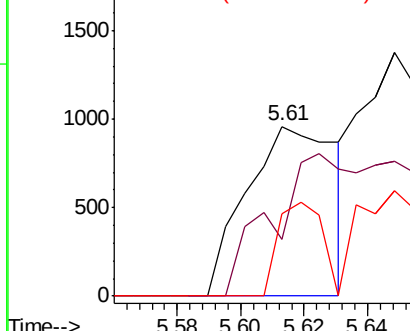
Tgt Ion	Ratio	Lower	Upper
112	100		
64	33.3	47.9	71.9#
63	48.2	23.7	35.5#

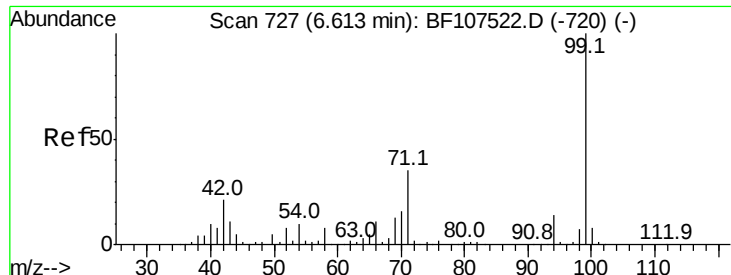
Abundance

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: 0.557 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

Instrument :

BNA_F

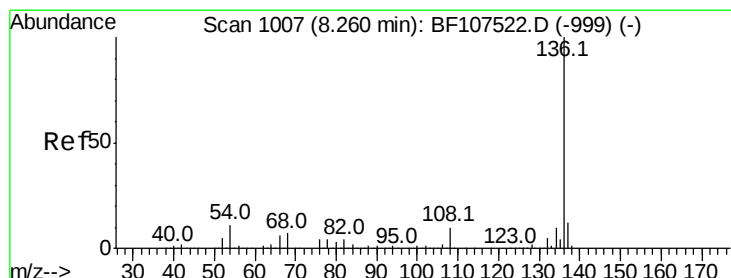
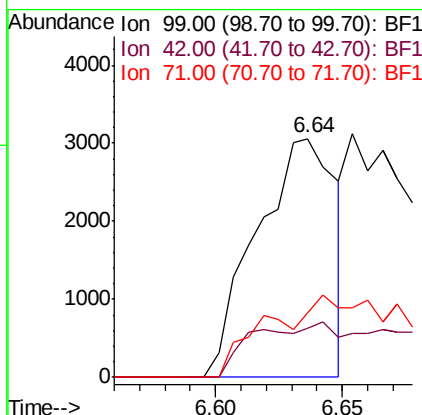
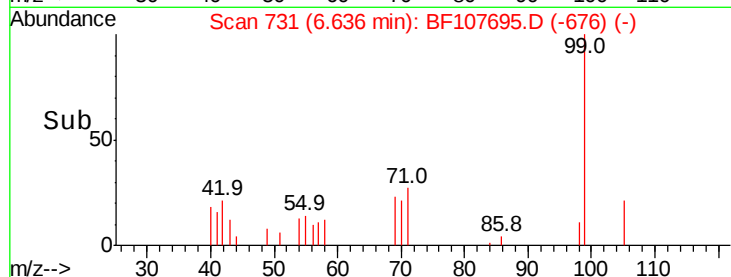
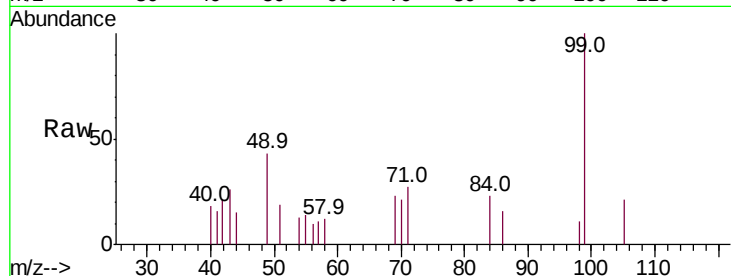
ClientSampleId :

PLANTER-DOC-2DL

Tot Ion:	99	Resp:	6626
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	27.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

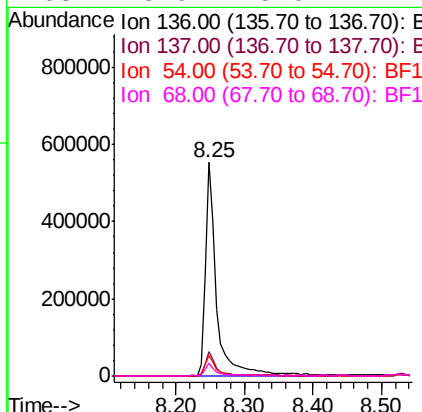
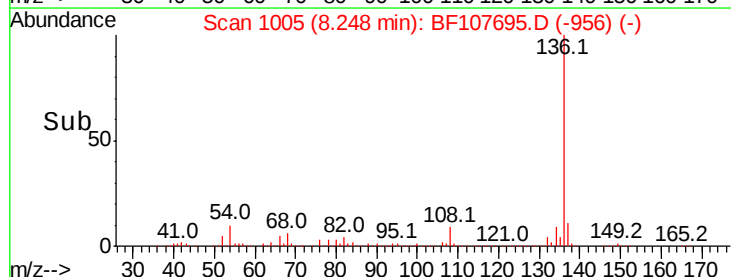
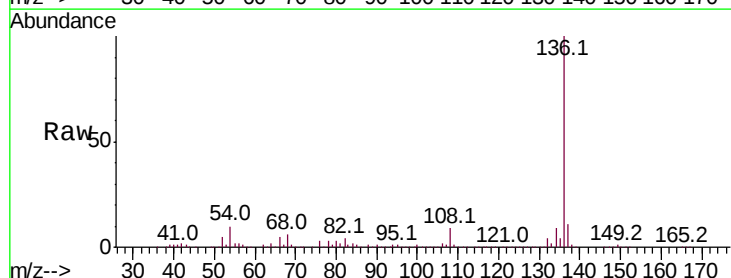
RT: 8.25 min Scan# 1005

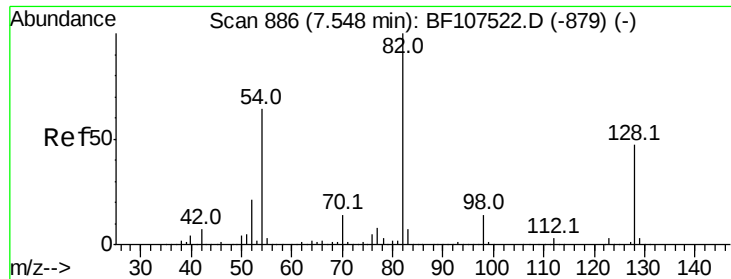
Delta R.T. -0.01 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

Tgt Ion:	136	Resp:	654671
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	5.9	5.0	7.4





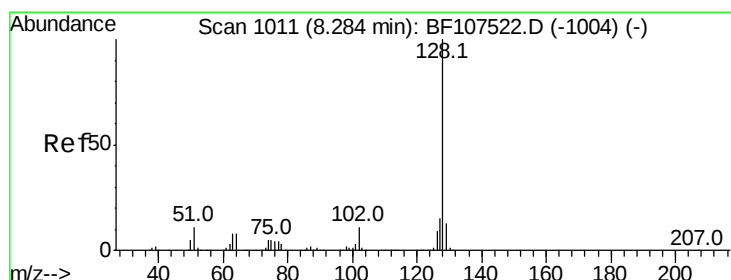
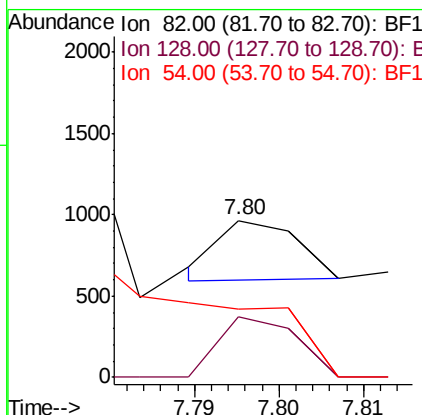
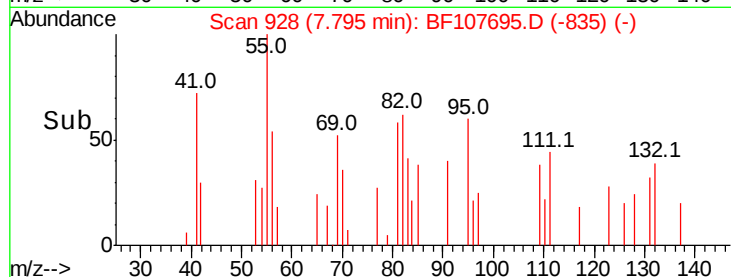
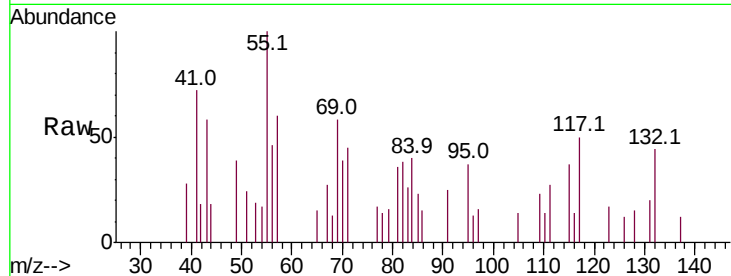
#23
Nitrobenzene-d5
Concen: 0.024 ng
RT: 7.80 min Scan# 928
Delta R.T. 0.25 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	36.1	54.1
54	43.9	41.4	62.2

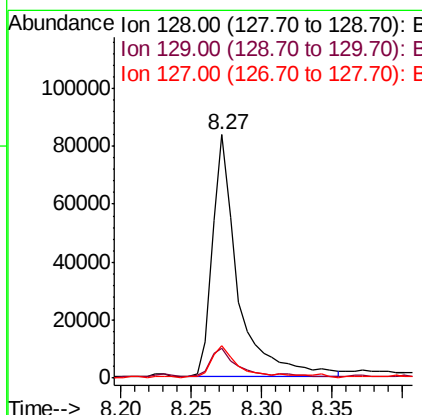
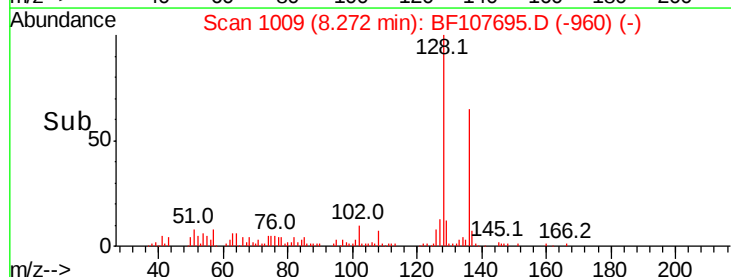
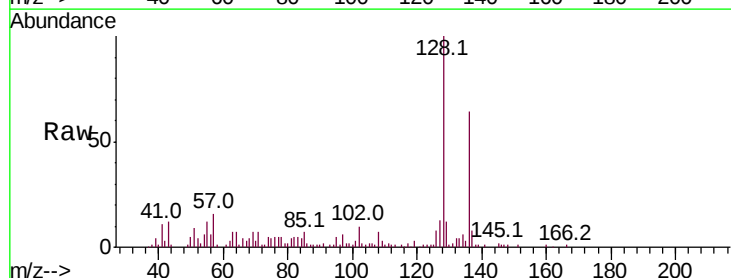
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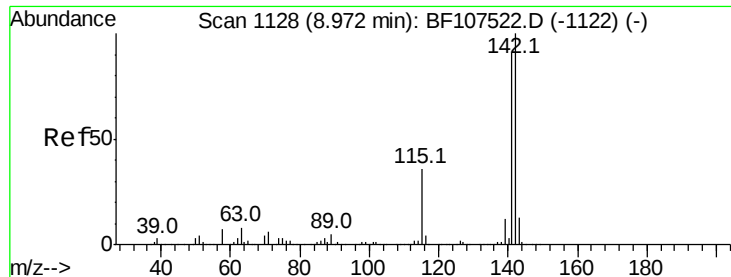
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#31
Naphthalene
Concen: 3.675 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.8	13.2
127	13.4	10.9	16.3





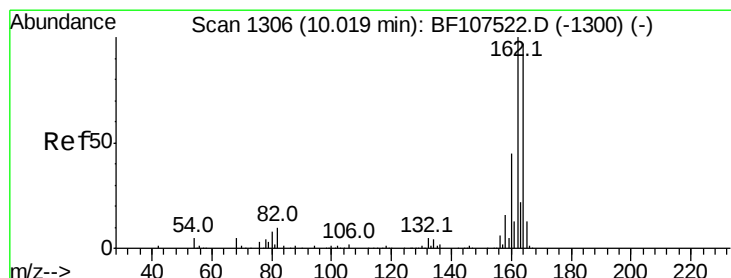
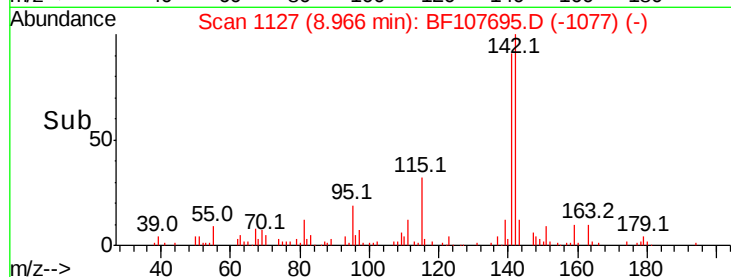
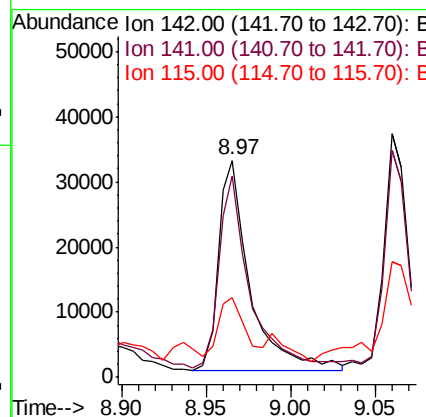
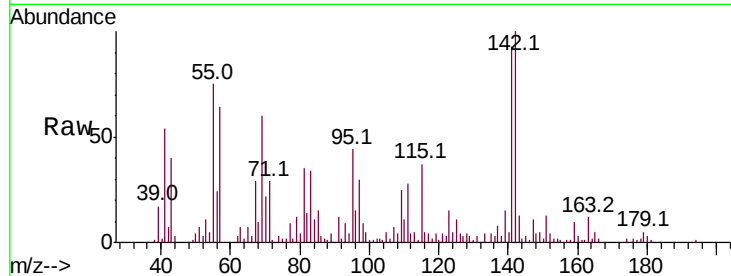
#37
2-Methylnaphthalene
Concen: 2.114 ng
RT: 8.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.0	70.8	106.2
115	36.6	26.1	39.1

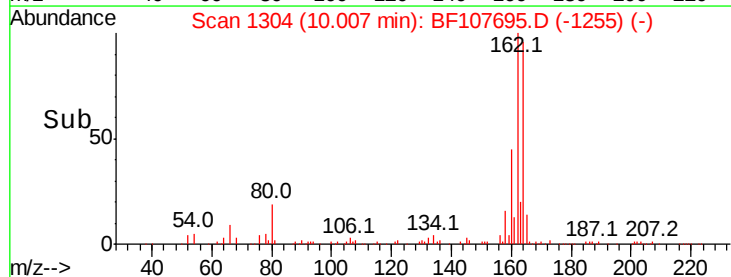
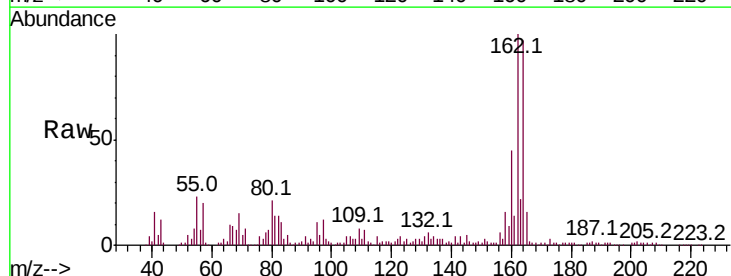
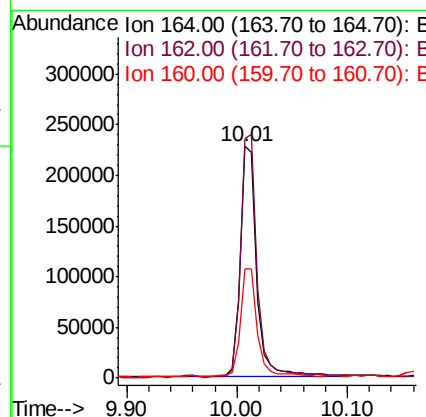
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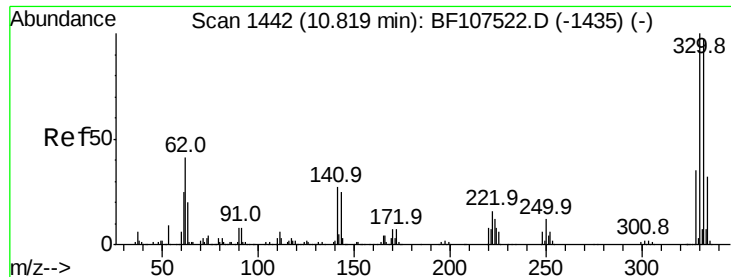
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	47.0	38.3	57.5





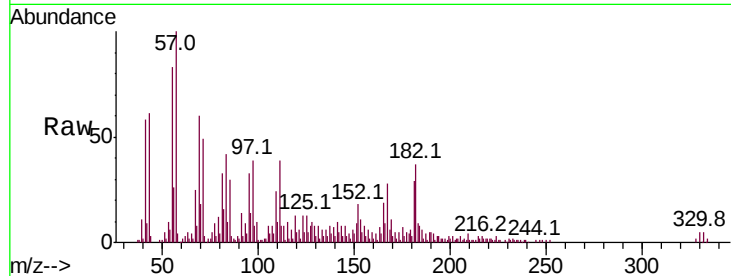
#41
 2,4,6-Tribromophenol
 Concen: 2.095 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107695.D
 Acq: 26 Jul 2018 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	66.9	29.9	44.9

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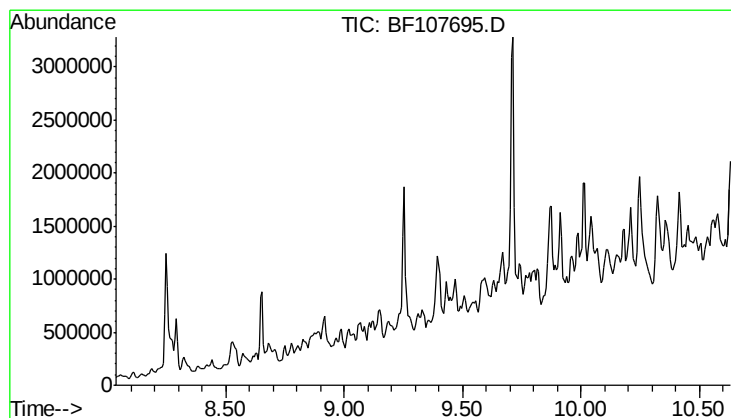
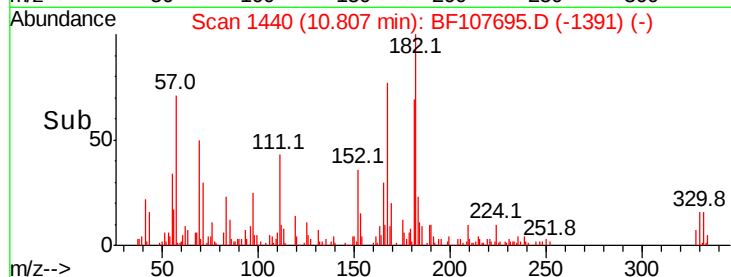
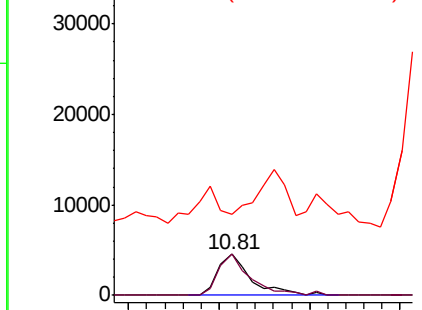


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

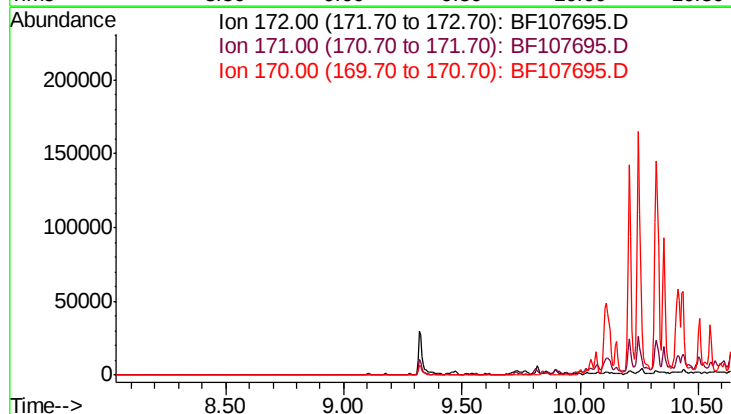
Ion 141.00 (140.70 to 141.70): E

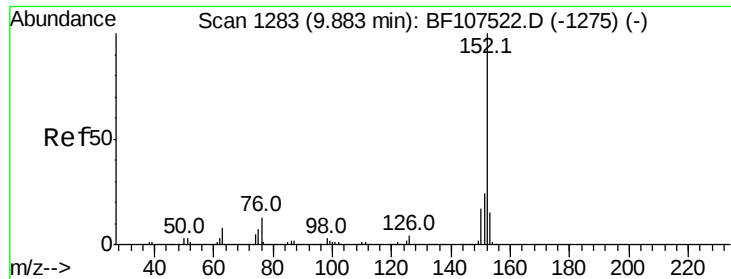


#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.34 min

Lab File: BF107695.D
 Acq: 26 Jul 2018 9:30

Tgt Ion	Exp Ratio
172	100
171	37.1
170	24.5





#48

Acenaphthylene

Concen: 10.313 ng

RT: 9.87 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

Instrument :

BNA_F

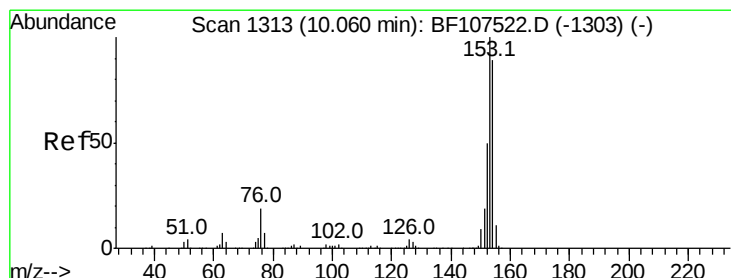
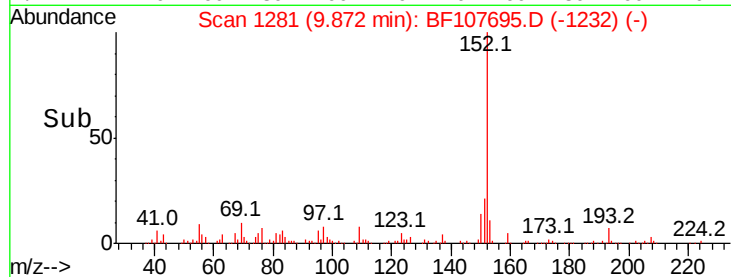
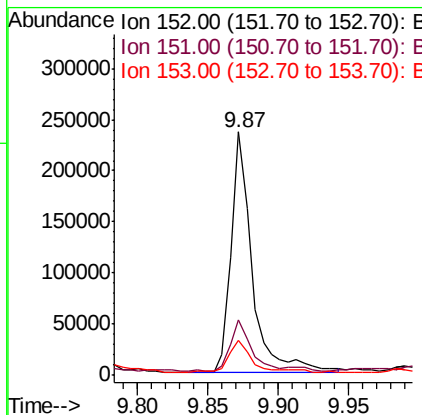
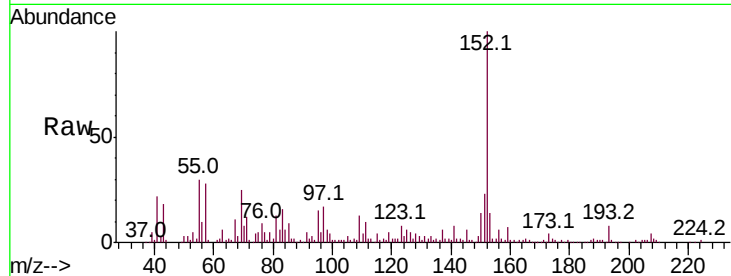
ClientSampleId :

PLANTER-DOC-2DL

Tot Ion:	152	Resp:	248217
Ion Ratio	Lower	Upper	
152	100		
151	22.6	16.3	24.5
153	14.4	10.7	16.1

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#51

Acenaphthene

Concen: 7.717 ng

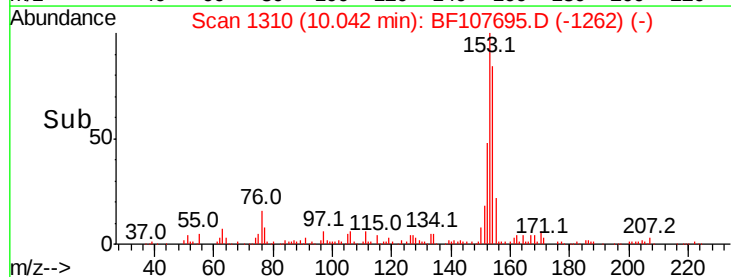
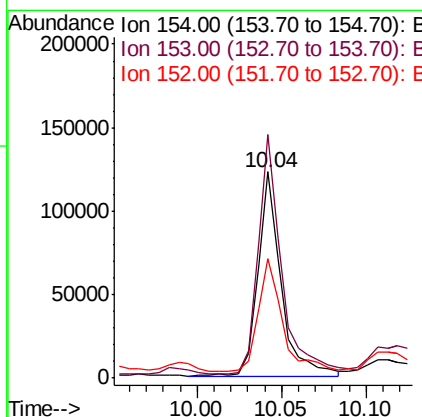
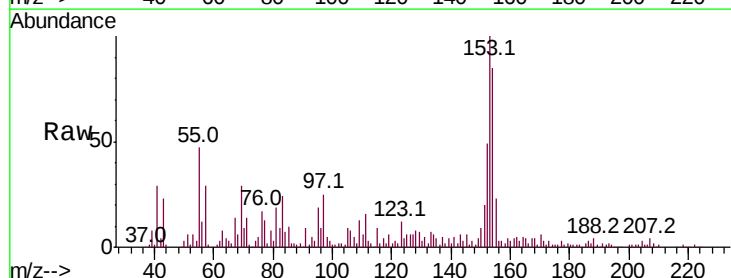
RT: 10.04 min Scan# 1310

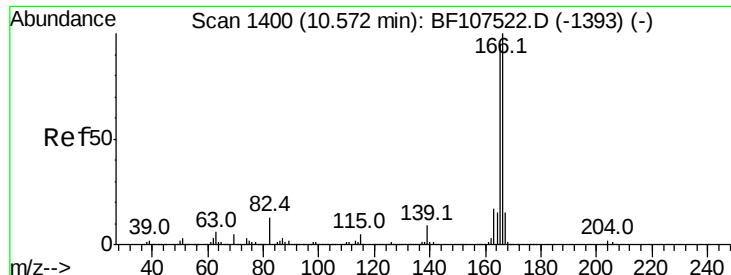
Delta R.T. -0.02 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

Tgt Ion:	154	Resp:	116366
Ion Ratio	Lower	Upper	
154	100		
153	118.0	91.2	136.8
152	57.7	43.8	65.8





#57

Fluorene

Concen: 7.292 ng

RT: 10.56 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

Instrument :

BNA_F

ClientSampleId :

PLANTER-DOC-2DL

Tot Ion:166 Resp: 115484

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

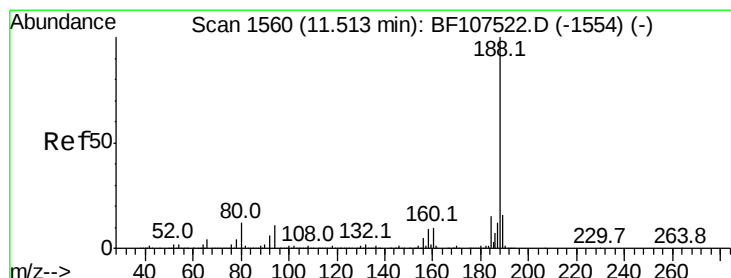
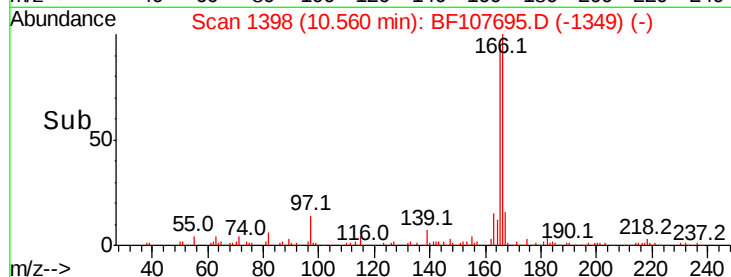
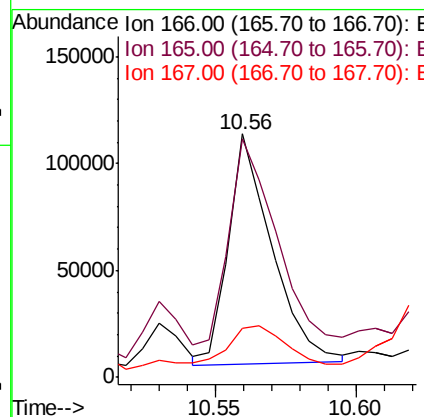
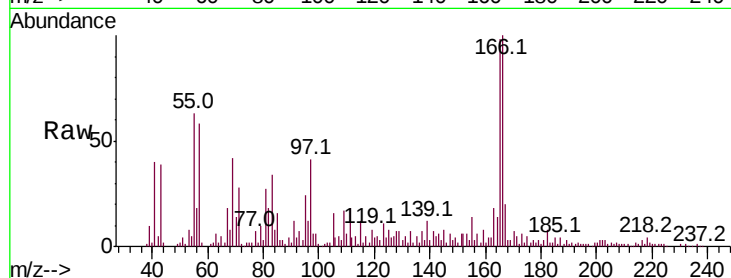
167 20.1 10.6 16.0#

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

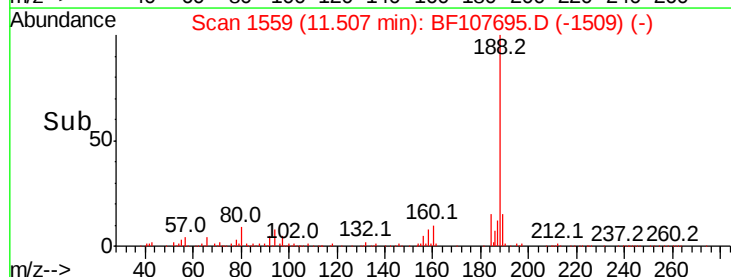
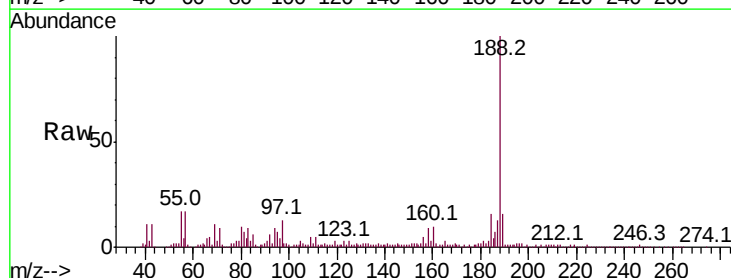
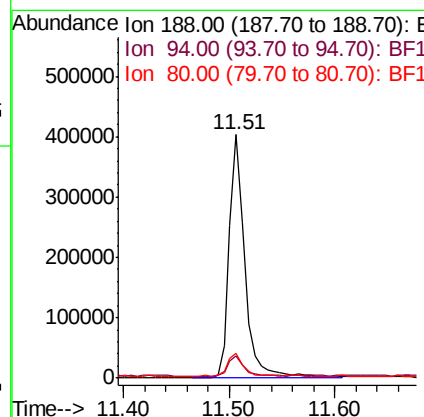
Tgt Ion:188 Resp: 415153

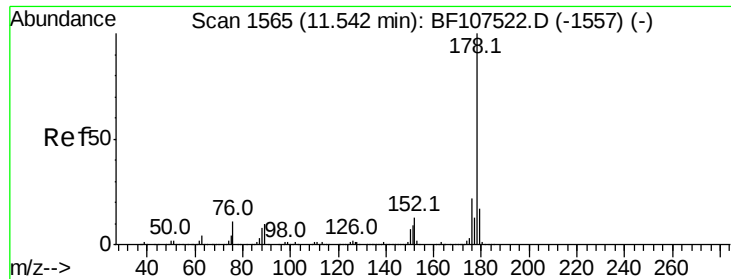
Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

80 10.1 9.2 13.8





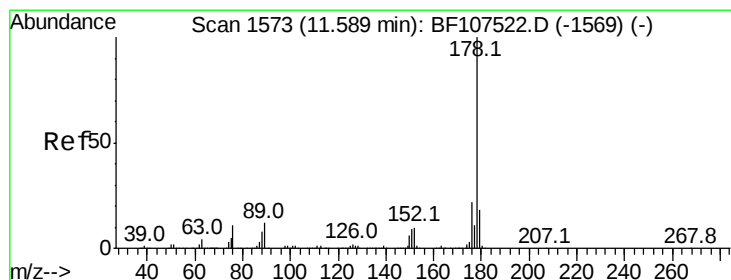
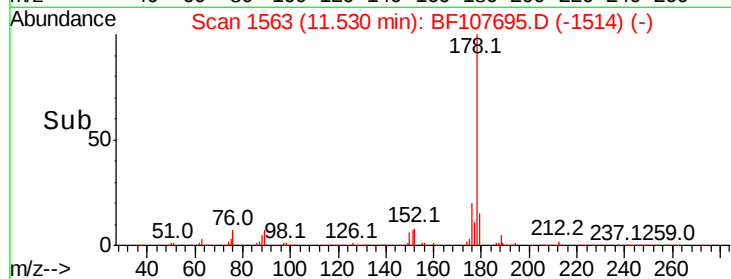
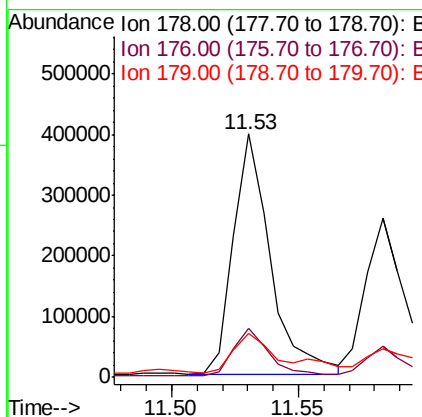
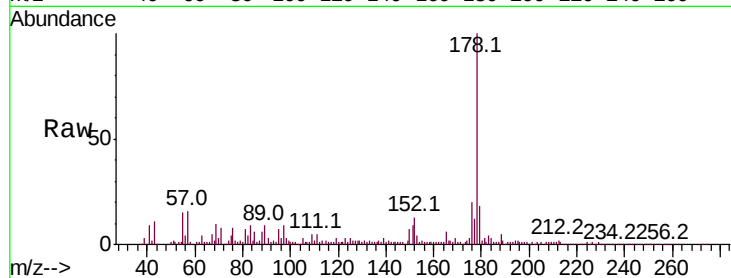
#70
Phenanthrene
Concen: 19.988 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	18.1	13.0	19.6

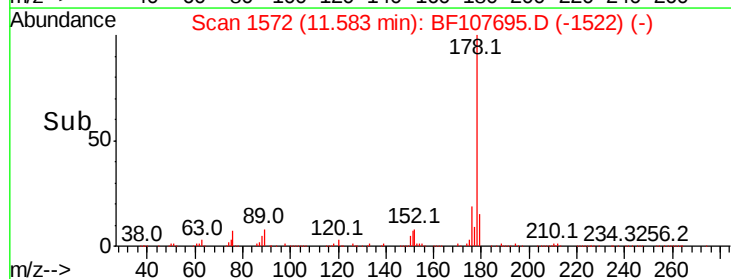
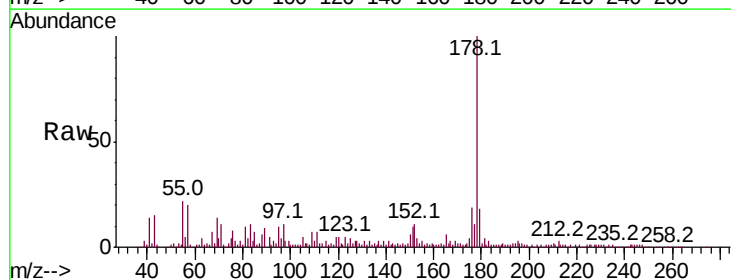
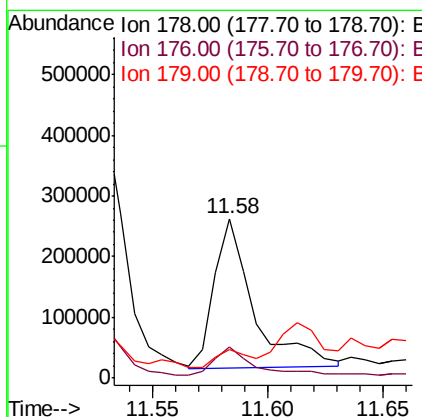
Manual Integrations
APPROVED

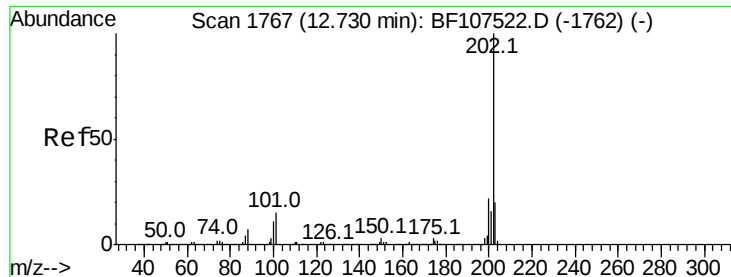
Sohil
7/26/2018 2:02:36 PM



#71
Anthracene
Concen: 14.283 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	17.7	12.6	19.0





#74

Fluoranthene

Concen: 72.114 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107695.D

Acq: 26 Jul 2018 9:30

Instrument :

BNA_F

ClientSampleId :

PLANTER-DOC-2DL

Tot Ion:202 Resp: 1565509

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

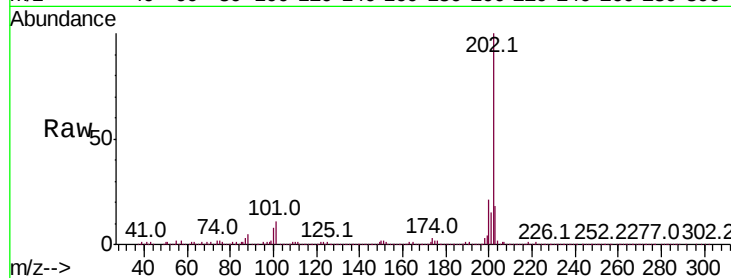
203 18.4 0.0 38.1

Manual Integrations

APPROVED

Sohil

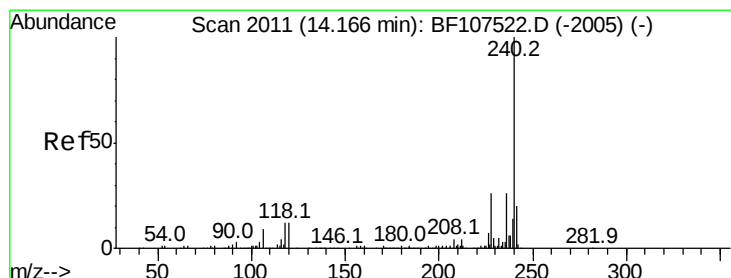
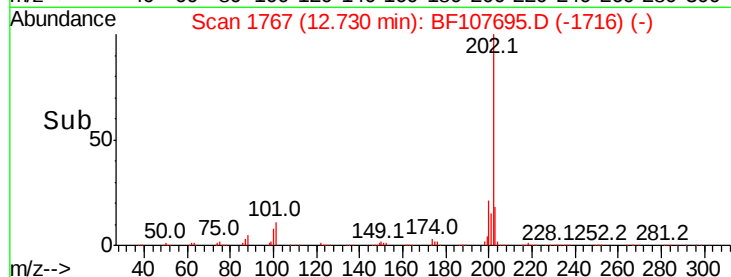
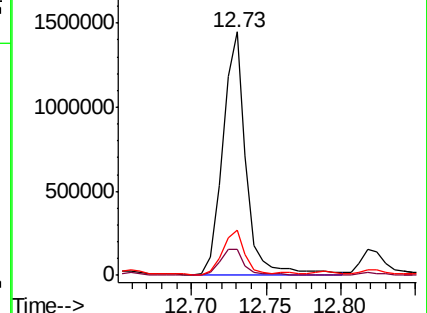
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Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107695.D

Acq: 26 Jul 2018 9:30

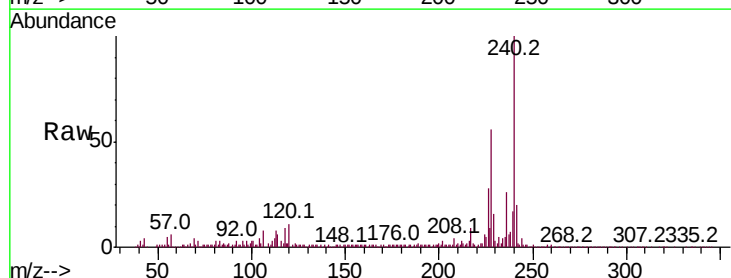
Tgt Ion:240 Resp: 352096

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

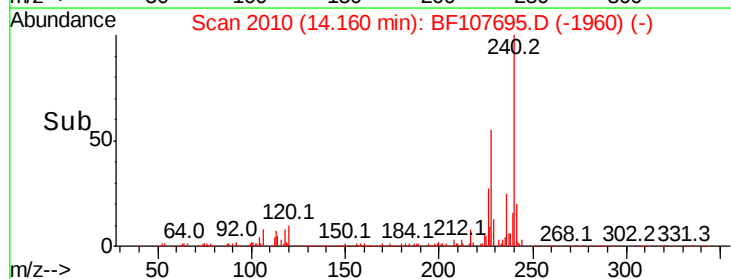
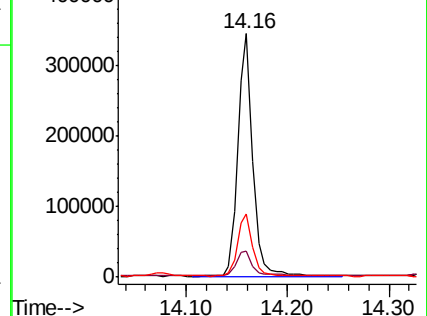
236 25.9 20.7 31.1

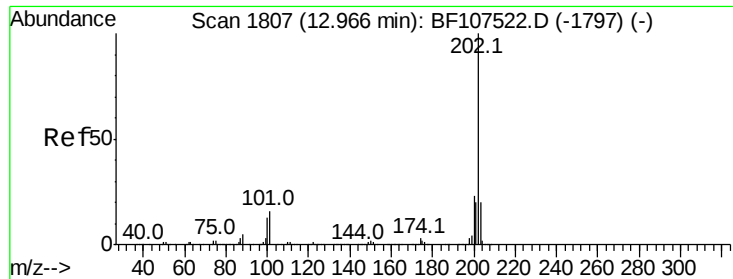


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





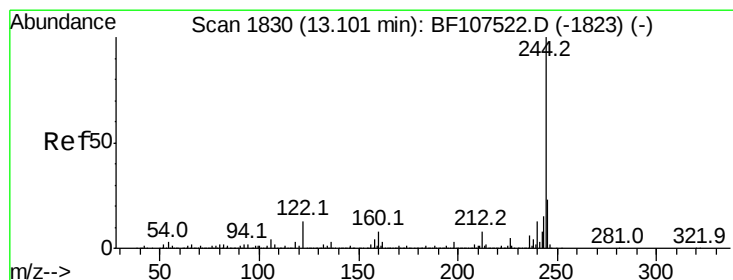
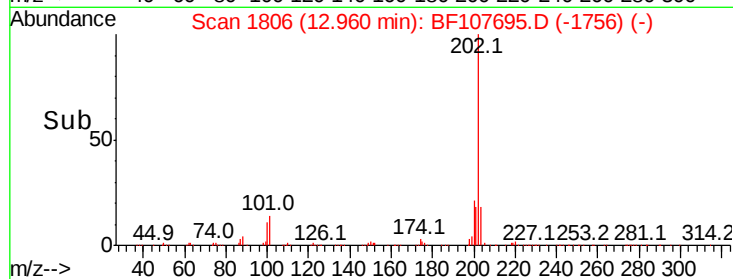
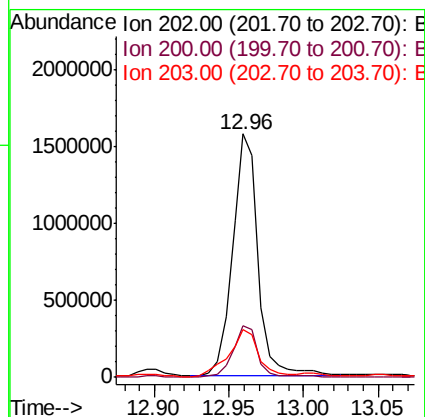
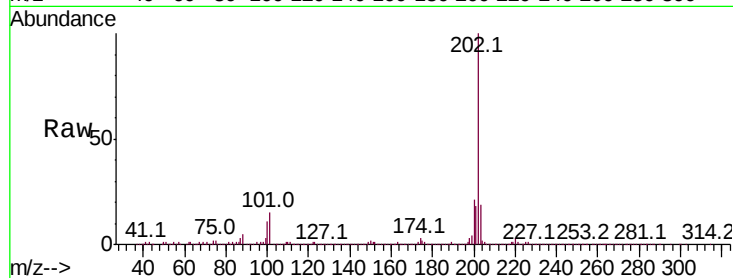
#77
Pvrene
Concen: 78.639 ng
RT: 12.96 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	19.4	14.3	21.5

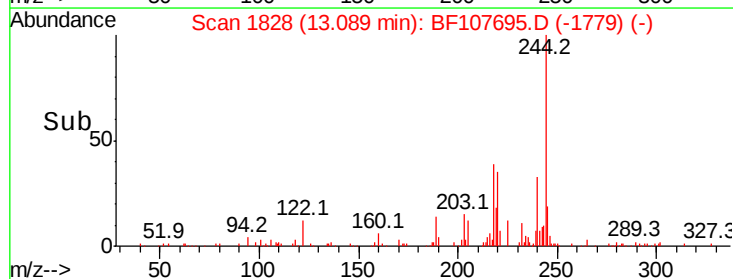
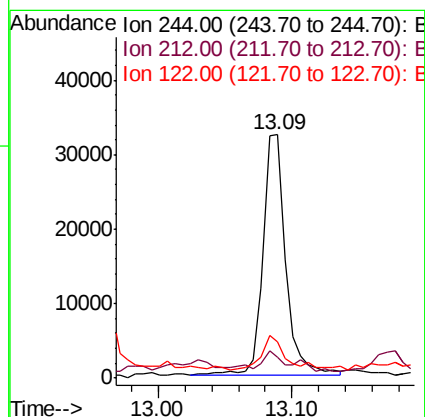
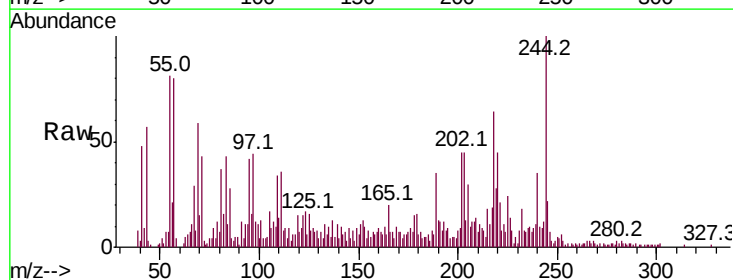
Manual Integrations
APPROVED

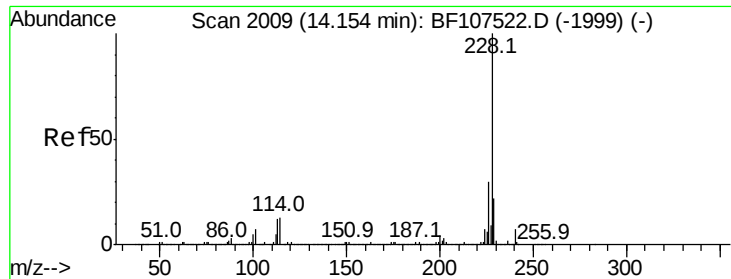
Sohil
7/26/2018 2:02:36 PM



#78
Terphenyl-d14
Concen: 2.763 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.4	8.0#
122	14.9	11.0	16.4





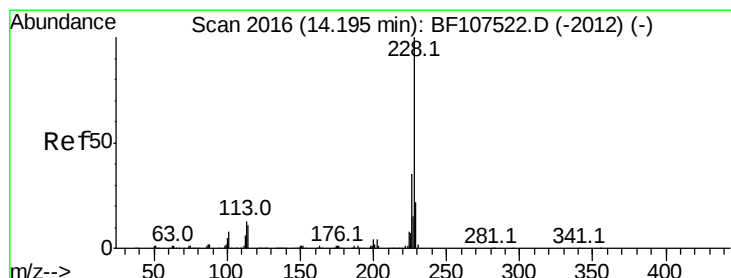
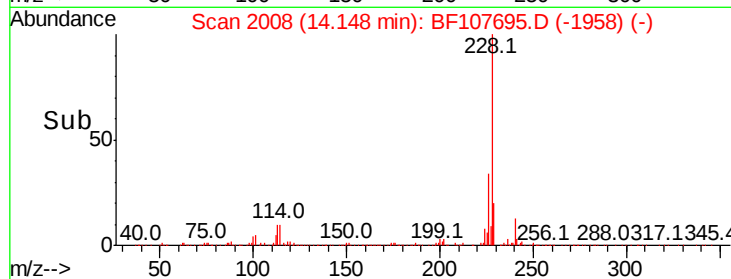
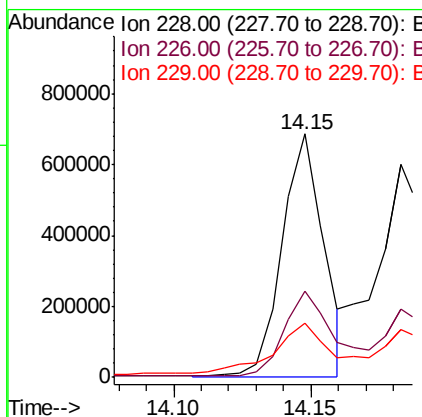
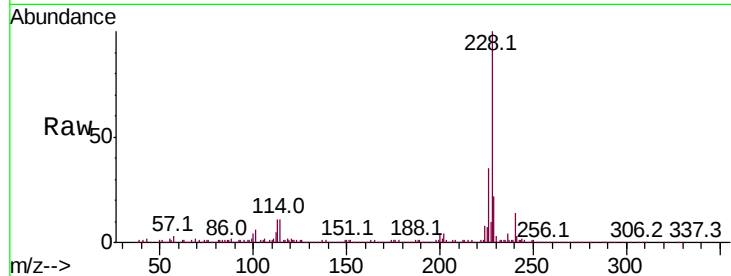
#80
Benzo(a)anthracene
Concen: 35.485 ng m
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	22.2	15.8	23.6

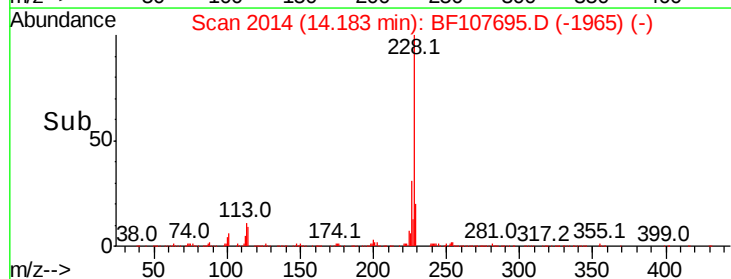
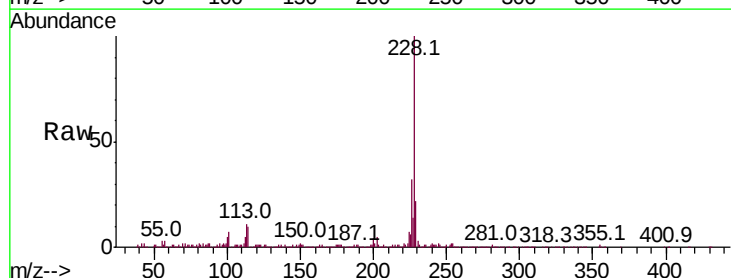
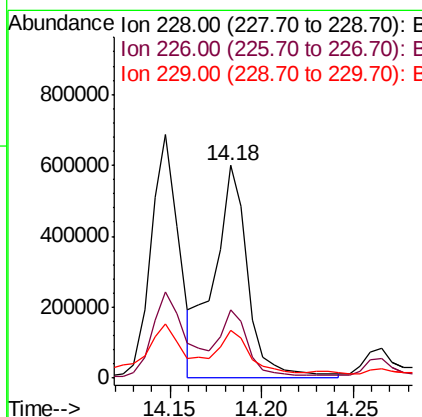
Manual Integrations
APPROVED

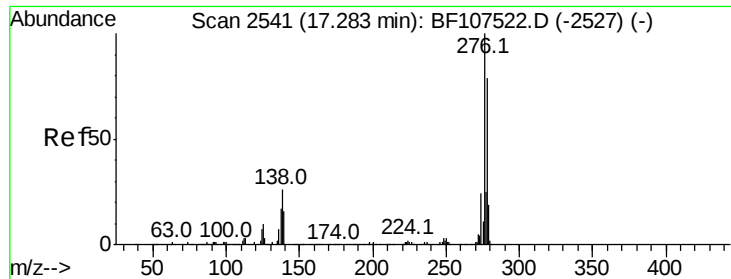
Sohil
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#82
Chrysene
Concen: 39.667 ng m
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	22.3	16.2	24.4





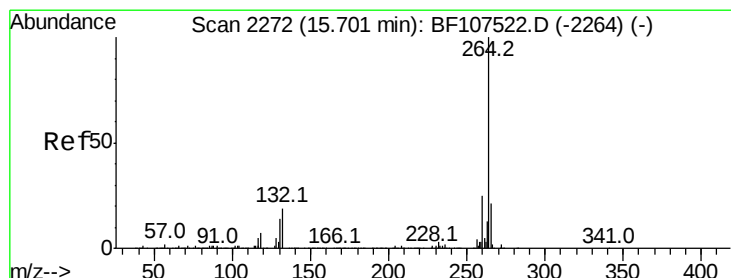
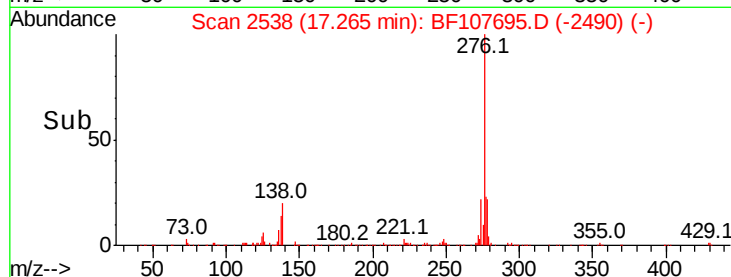
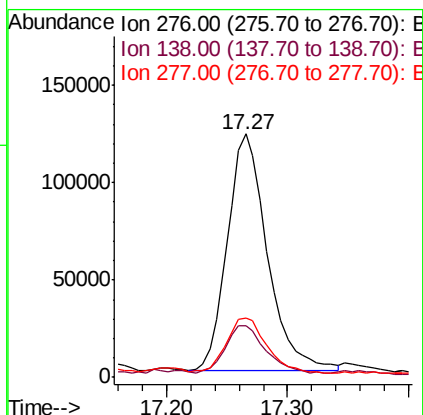
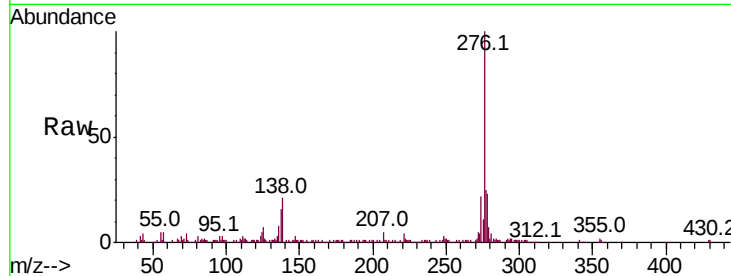
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.735 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	23.4	20.1	30.1

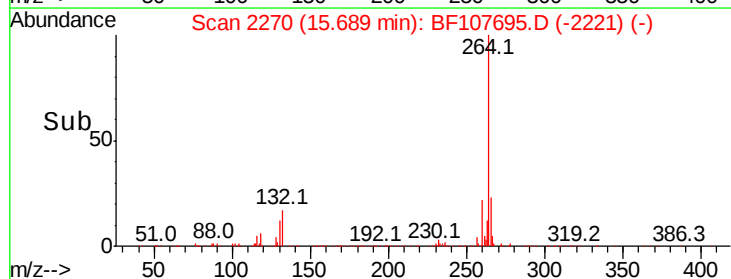
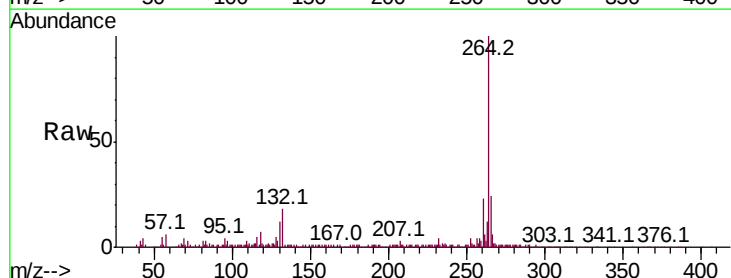
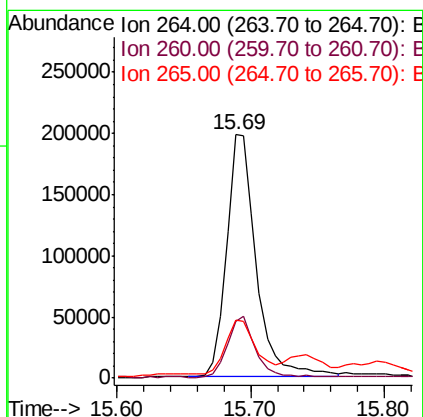
Manual Integrations
APPROVED

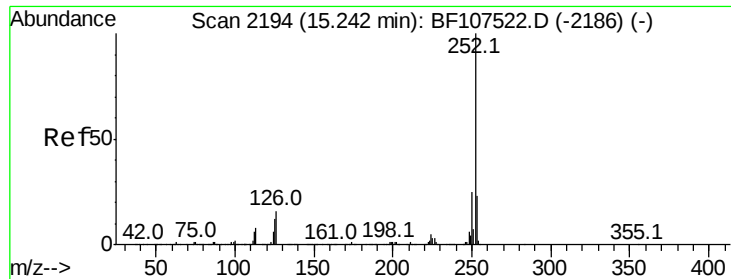
Sohil
7/26/2018 2:02:36 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.9	17.5	26.3





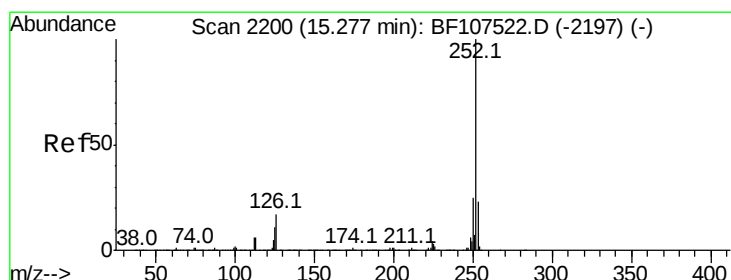
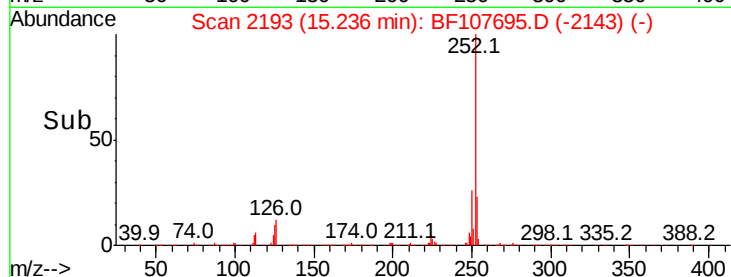
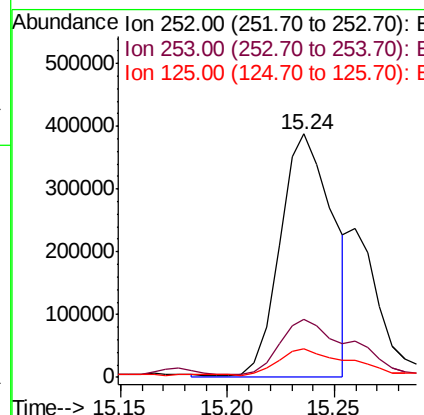
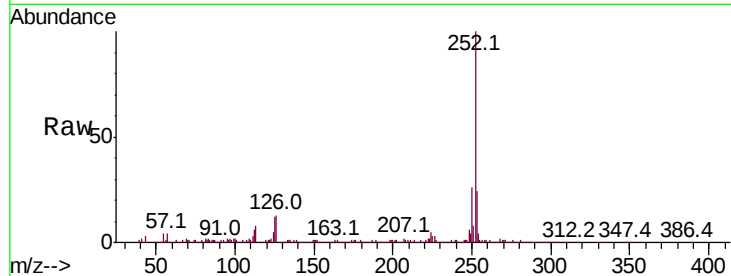
#87
Benzo(b)fluoranthene
Concen: 39.852 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	11.7	9.0	13.6

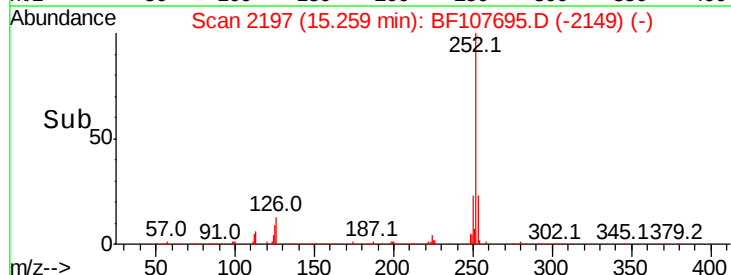
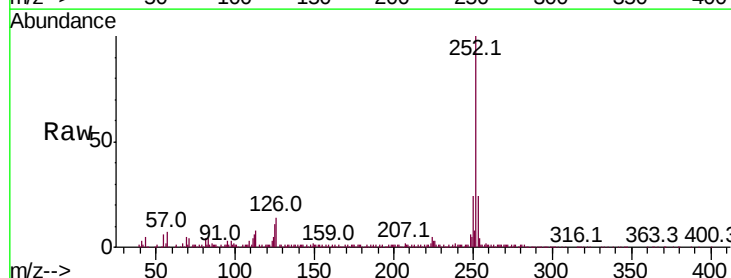
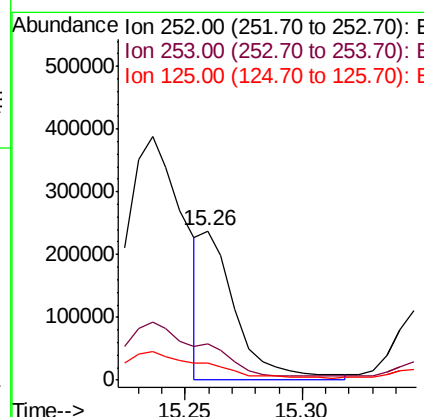
Manual Integrations
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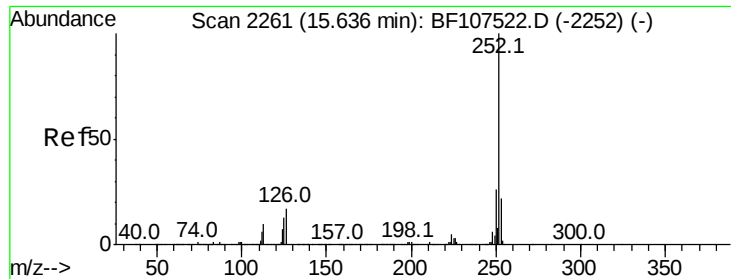
Sohil
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#88
Benzo(k)fluoranthene
Concen: 14.989 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	11.1	10.2	15.2





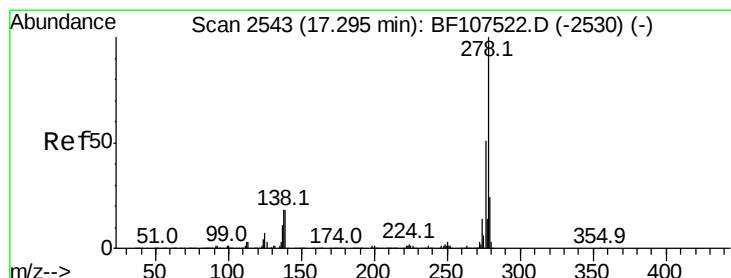
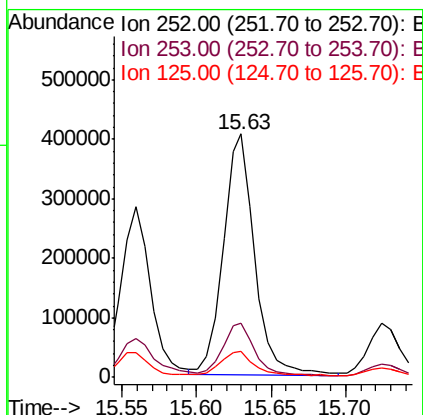
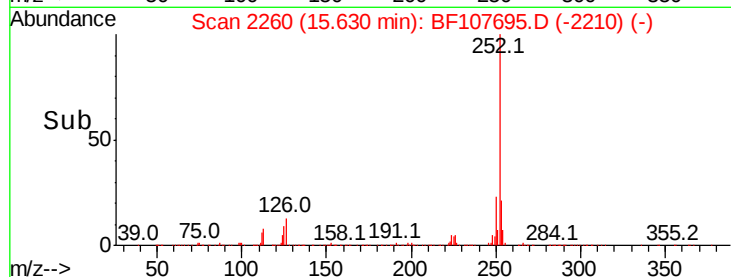
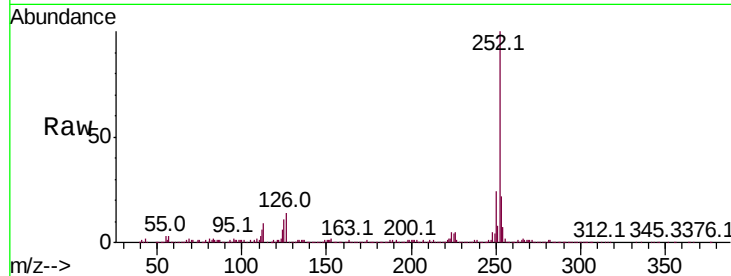
#89
Benzo(a)pyrene
Concen: 38.535 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.6	9.8	14.6

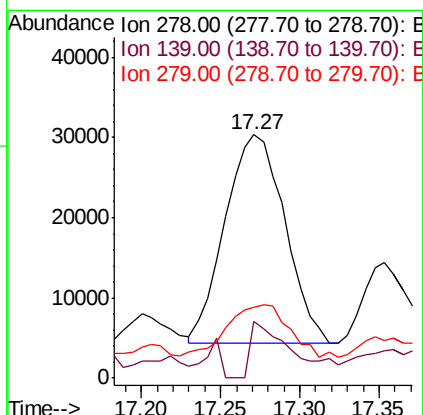
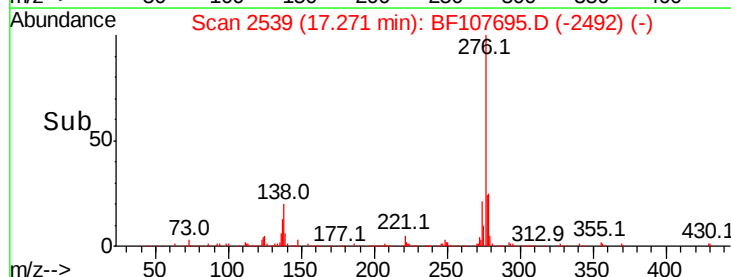
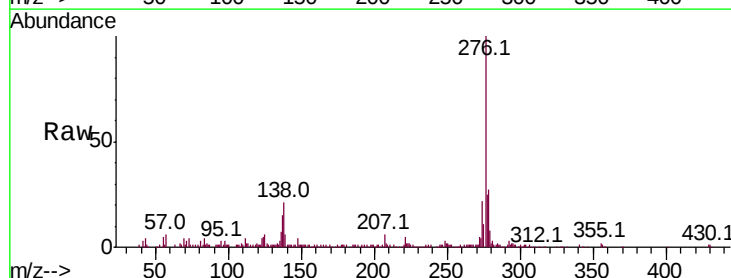
Manual Integrations
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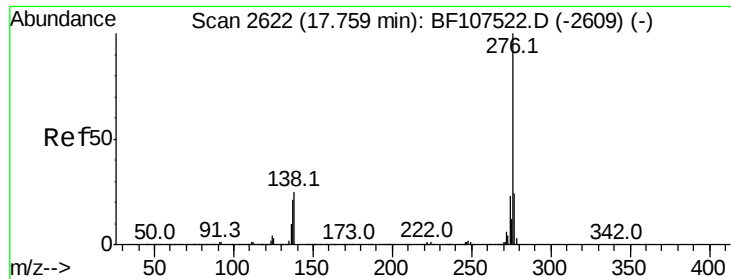
Sohil
7/26/2018 2:02:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.114 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	15.9	23.9
279	29.2	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 22.723 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107695.D
Acq: 26 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	21.4	21.8	32.8#

Manual Integrations
APPROVED

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