

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107666.D
 Acq On : 25 Jul 2018 19:23
 Operator : JU/SJ
 Sample : J4031-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-1

Manual Integrations
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Sohil
 7/26/2018 2:01:23 PM

Quant Time: Jul 26 02:23:41 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	202484	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	828077	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	334842	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	602230	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	404640	20.00	ng	-0.01
86) Perylene-d12	15.69	264	403351	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	230865	18.33	ng	-0.01
7) Phenol-d6	6.60	99	326984	21.62	ng	-0.02
23) Nitrobenzene-d5	7.53	82	198275	16.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	82026	21.54	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	411462	14.11	ng	-0.02
78) Terphenyl-d14	13.08	244	325981	20.62	ng	-0.02
Target Compounds						
57) Fluorene	10.56	166	55606	2.523	ng	92
70) Phenanthrene	11.53	178	813684	27.726	ng	98
71) Anthracene	11.58	178	289316	9.791	ng	98
74) Fluoranthene	12.72	202	1365229	43.352	ng	97
77) Pyrene	12.95	202	1223799	44.216	ng	98
80) Benzo(a)anthracene	14.15	228	622203	26.239	ng	97
82) Chrysene	14.18	228	593832	26.070	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	294109m	15.235	ng	
87) Benzo(b)fluoranthene	15.24	252	716296m	32.448	ng	
88) Benzo(k)fluoranthene	15.26	252	231131m	10.687	ng	
89) Benzo(a)pyrene	15.62	252	517206	25.614	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	65392m	3.746	ng	
91) Benzo(a,h,i)perylene	17.75	276	285753	16.597	ng	# 91

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

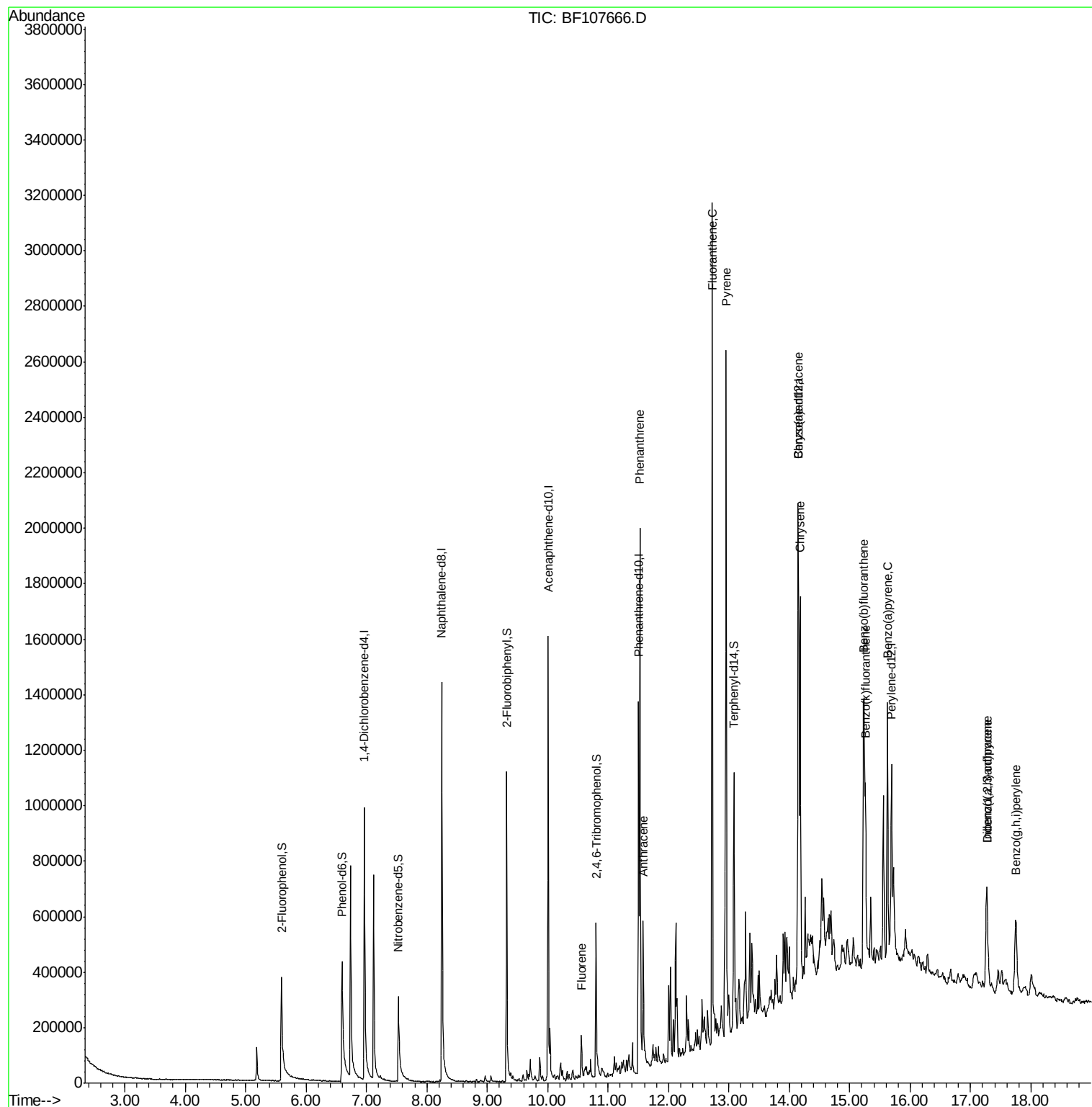
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107666.D
Acq On : 25 Jul 2018 19:23
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Sample : J4031-01 5X
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ALS Vial : 19 Sample Multiplier: 1

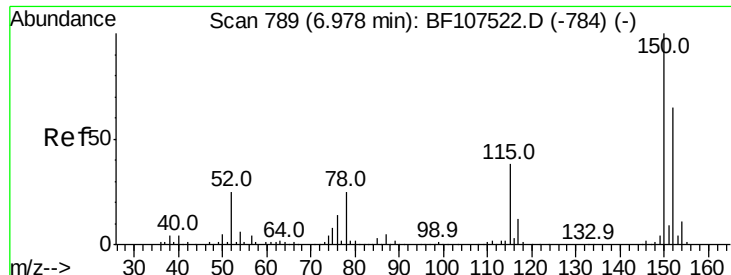
Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

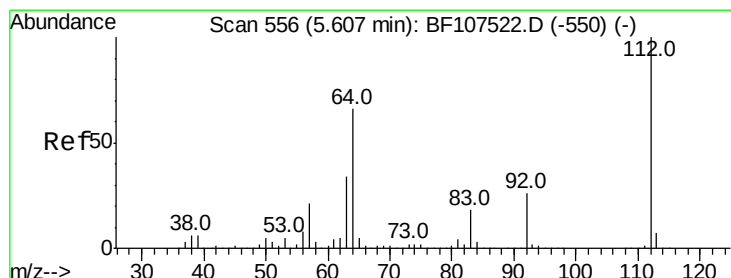
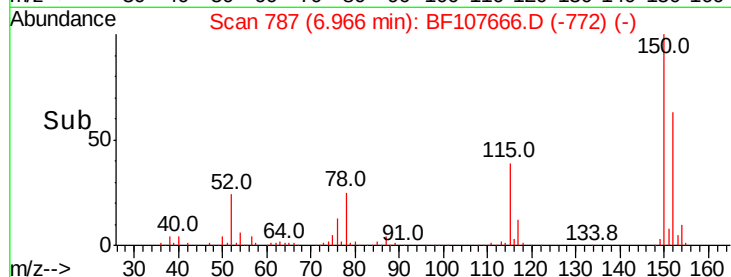
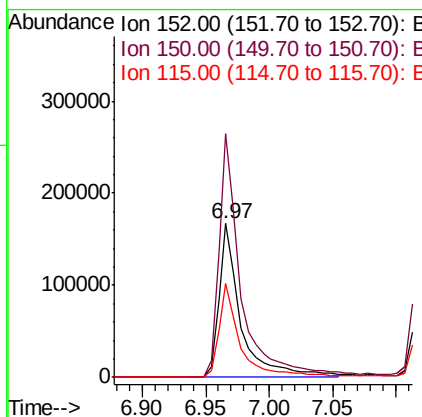
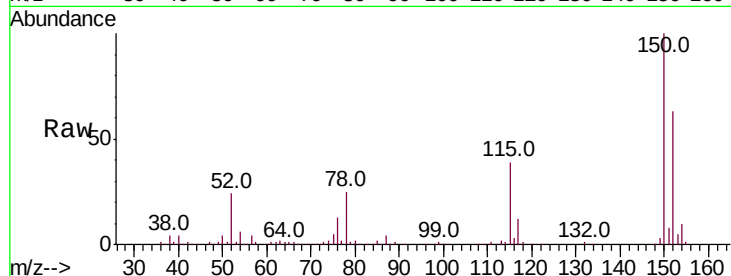
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	61.1	50.1	75.1

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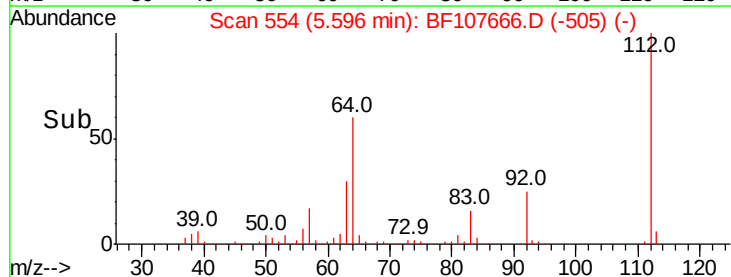
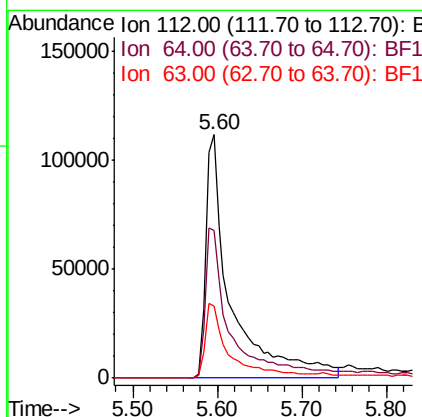
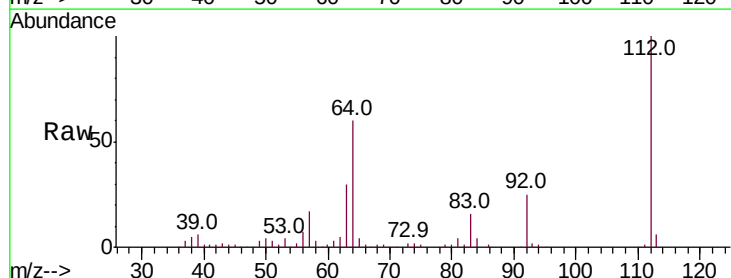
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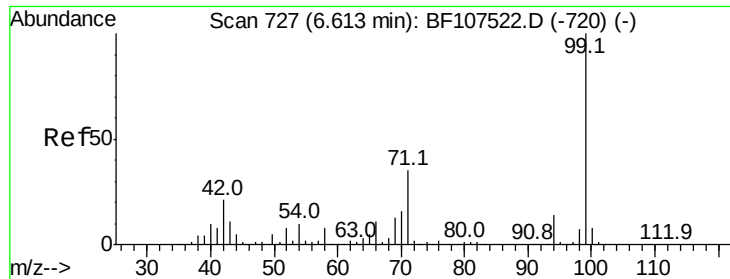


#5

2-Fluorophenol
Concen: 18.332 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 21.623 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

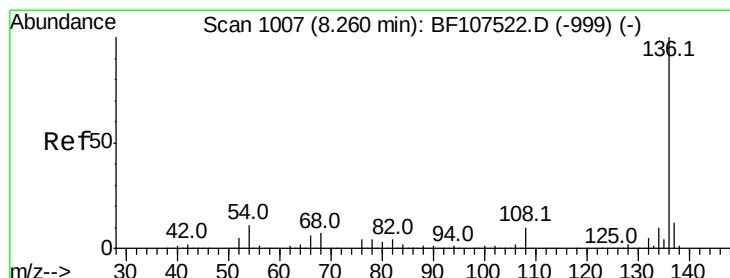
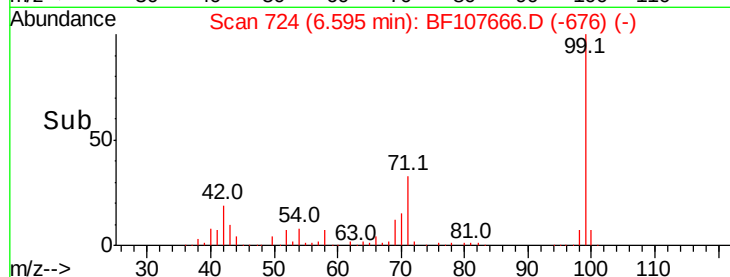
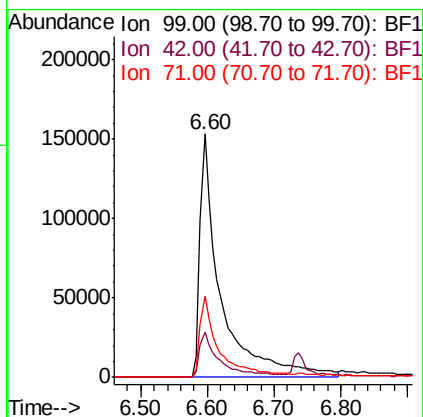
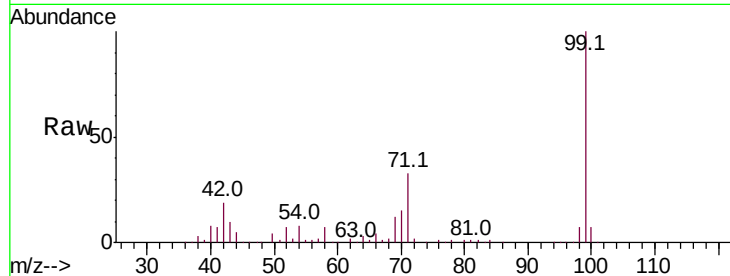
ClientSampleId :

PLANTER-DOC-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		326984		
42	18.7	14.5	21.7		
71	33.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

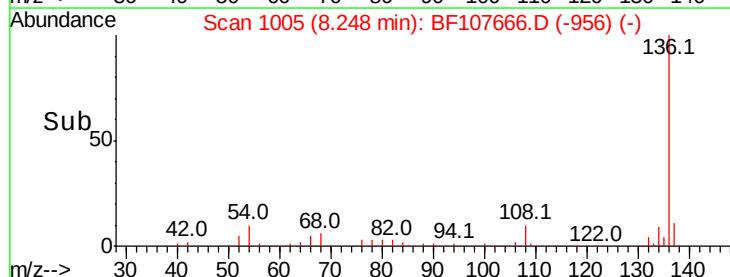
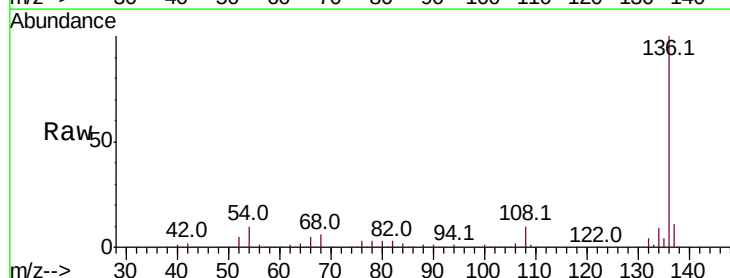
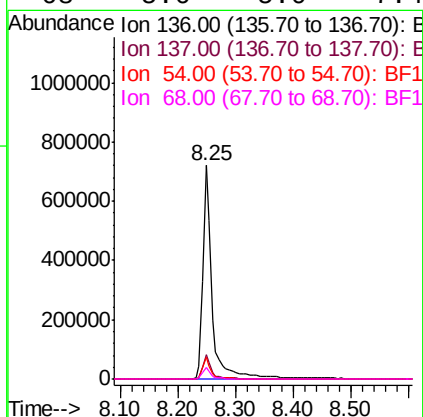
RT: 8.25 min Scan# 1005

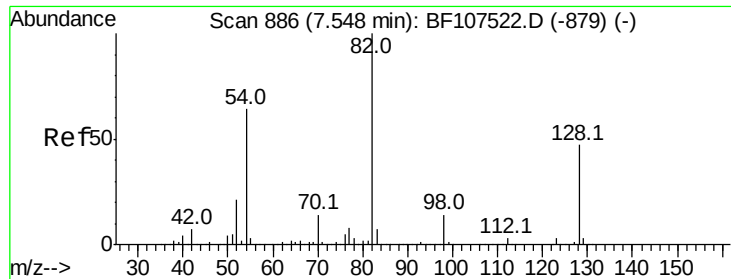
Delta R.T. -0.01 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		828077		
137	11.1	8.9	13.3		
54	10.2	6.6	9.8		
68	5.6	5.0	7.4		





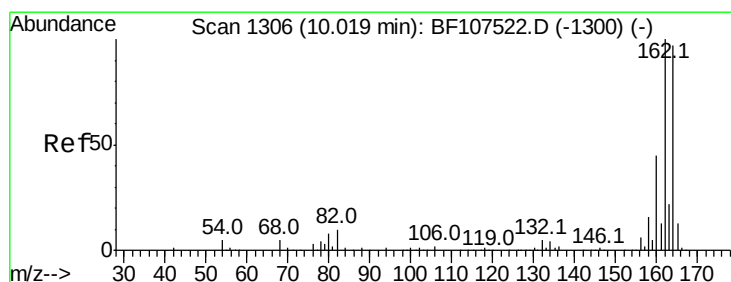
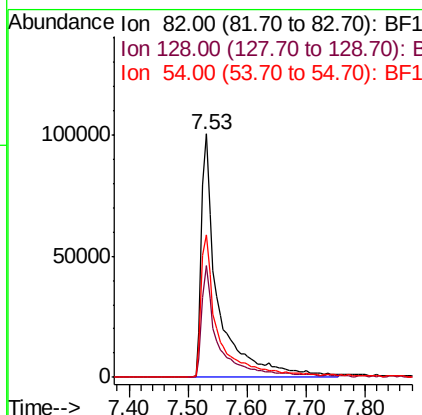
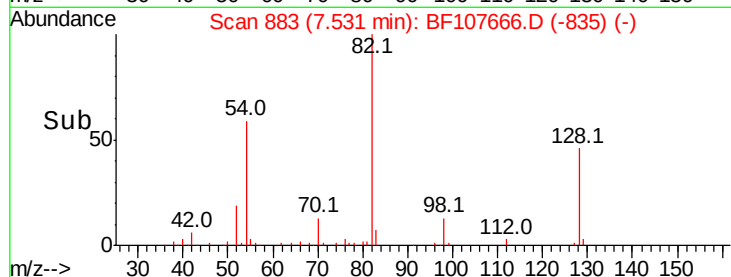
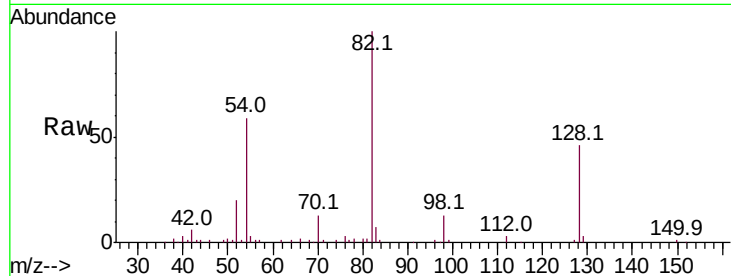
#23
 Nitrobenzene-d5
 Concen: 16.159 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Instrument :
 BNA_F
 ClientSampleID :
 PLANTER-DOC-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	36.1	54.1	
54	58.5	41.4	62.2	

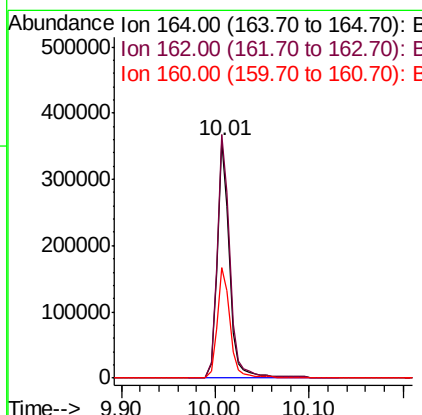
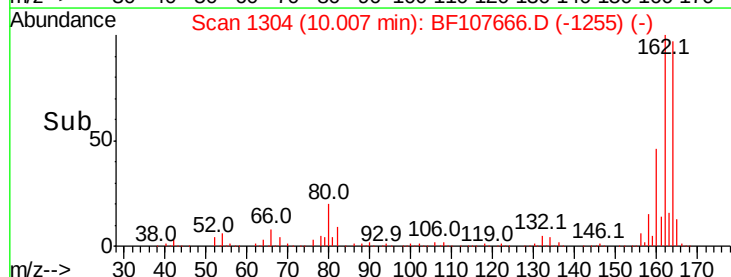
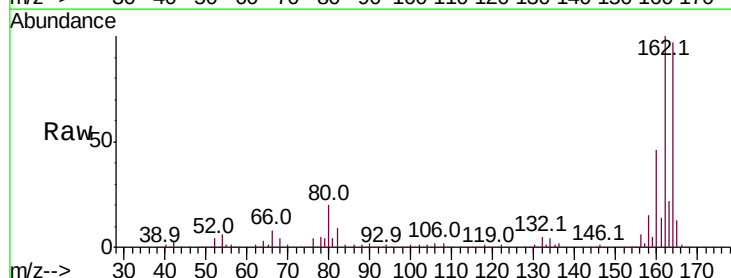
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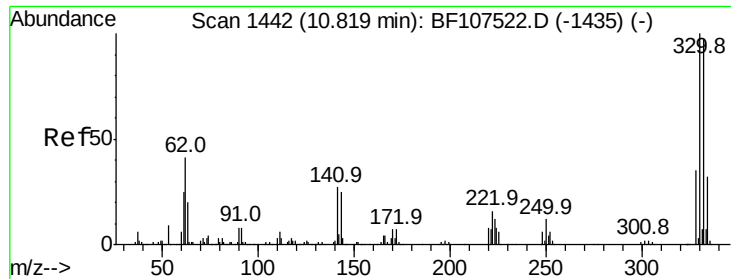
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	86.1	129.1	
160	46.7	38.3	57.5	





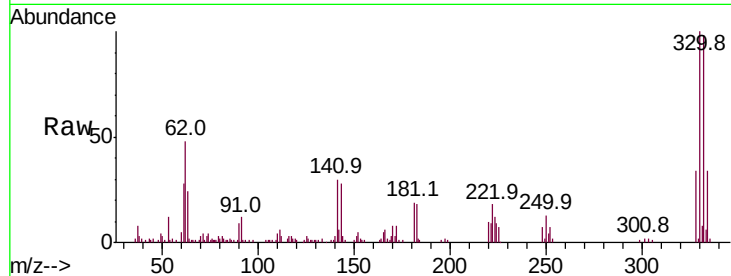
#41
 2,4,6-Tribromophenol
 Concen: 21.542 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	32.7	29.9	44.9

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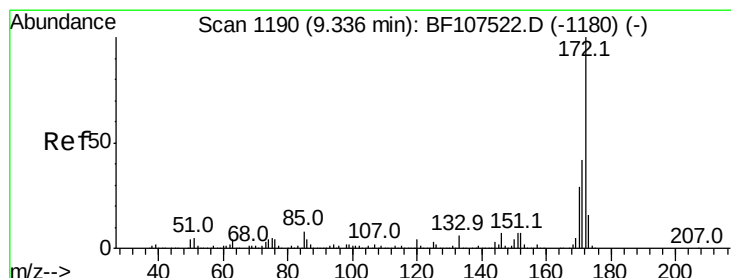
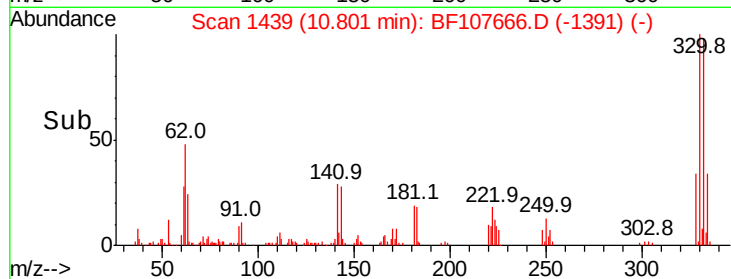
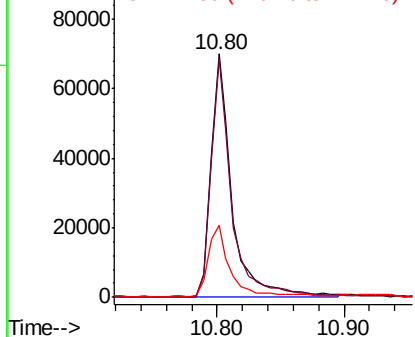


Abundance

Ion 329.80 (329.50 to 330.50): E

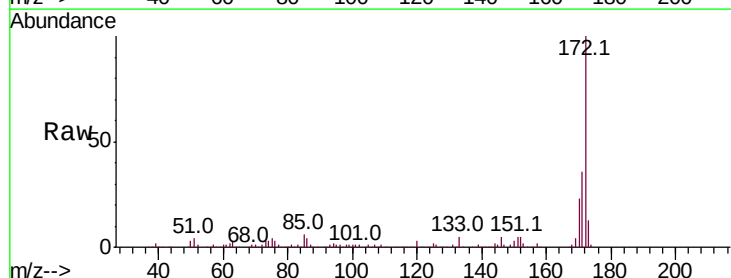
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 14.113 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.4	19.6	29.4

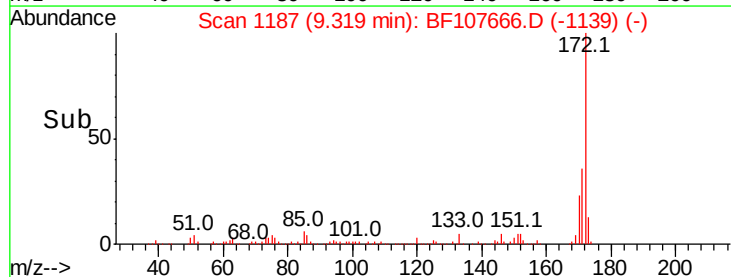
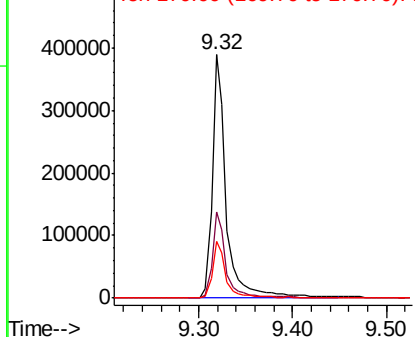


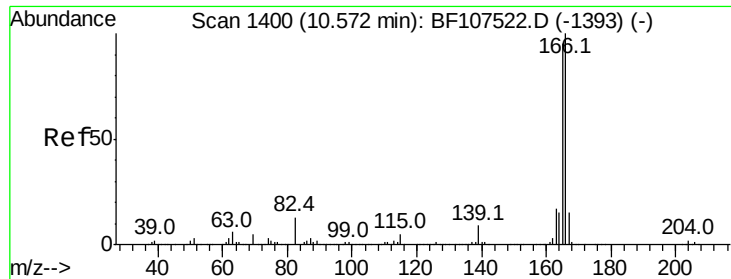
Abundance

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





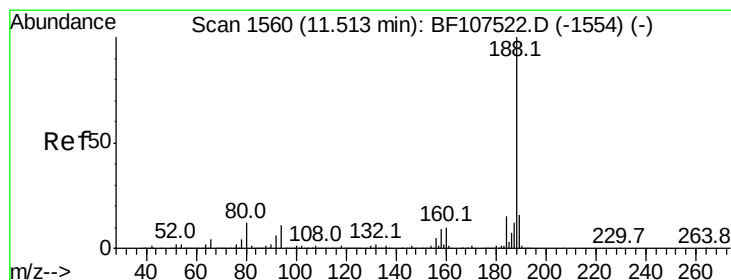
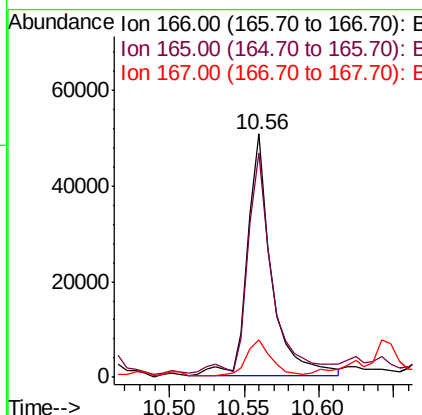
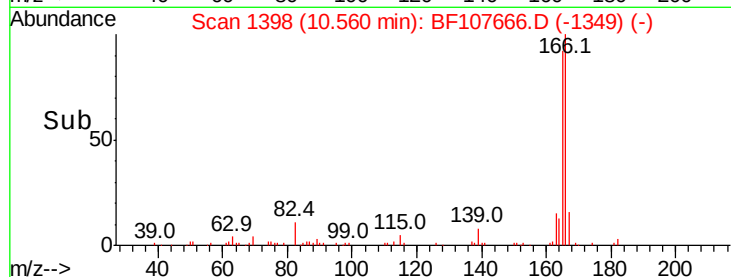
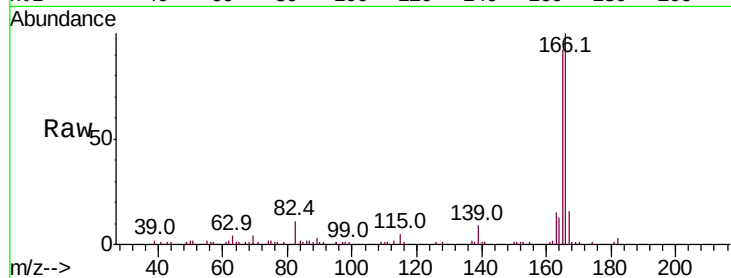
#57
 Fluorene
 Concen: 2.523 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.9	79.8	119.8
167	15.7	10.6	16.0

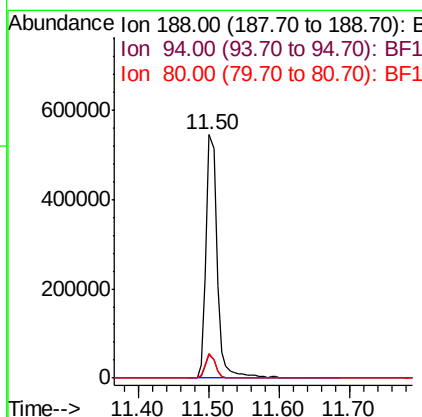
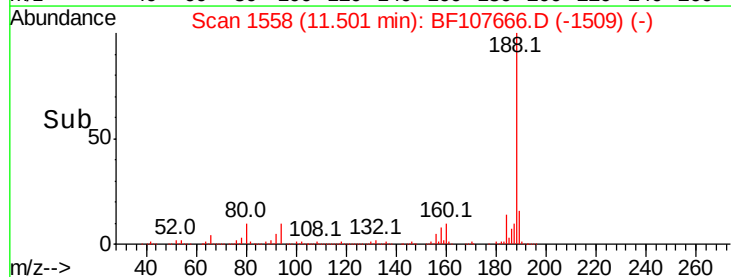
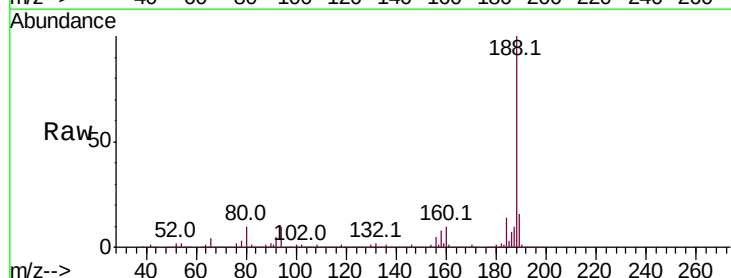
Manual Integrations
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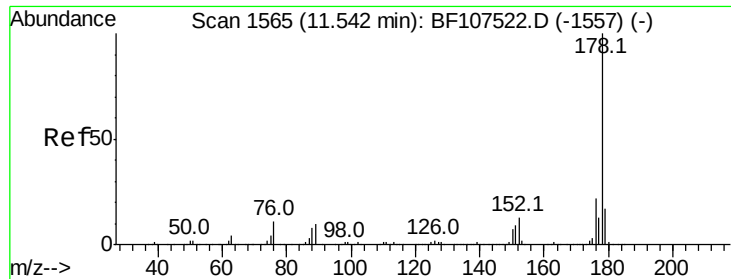
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.4	9.2	13.8





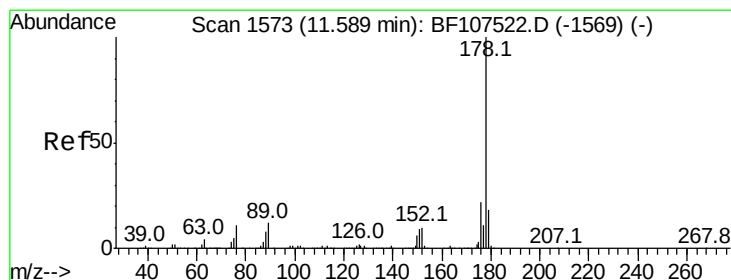
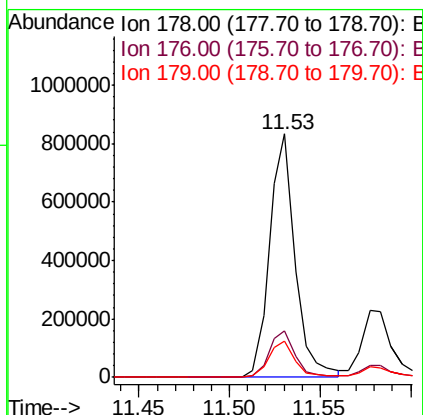
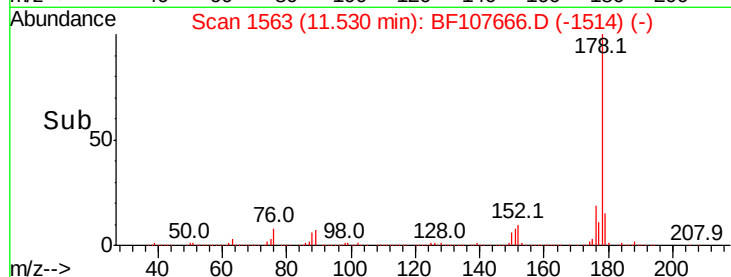
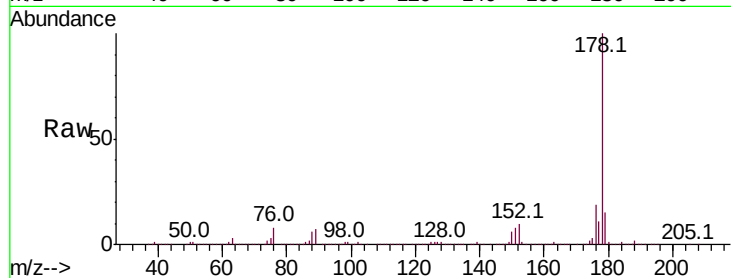
#70
Phenanthrene
Concen: 27.726 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6

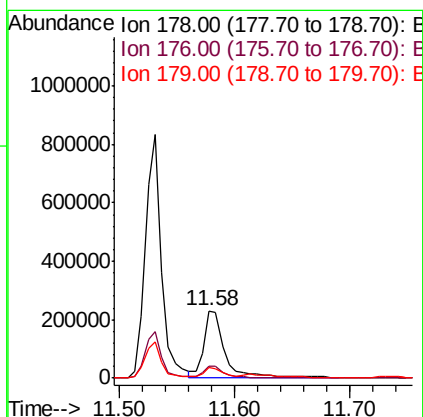
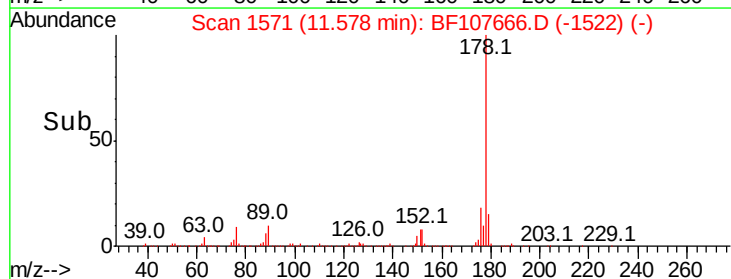
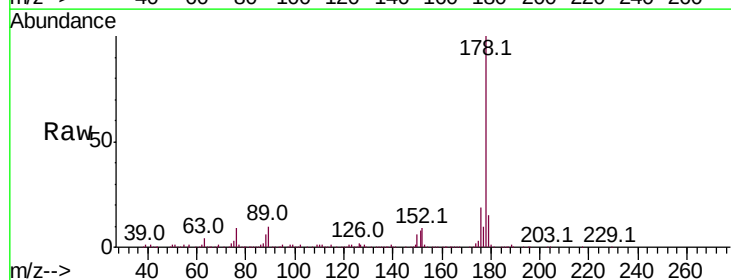
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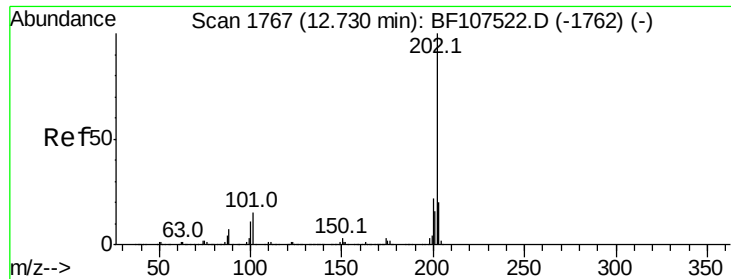
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#71
Anthracene
Concen: 9.791 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 43.352 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

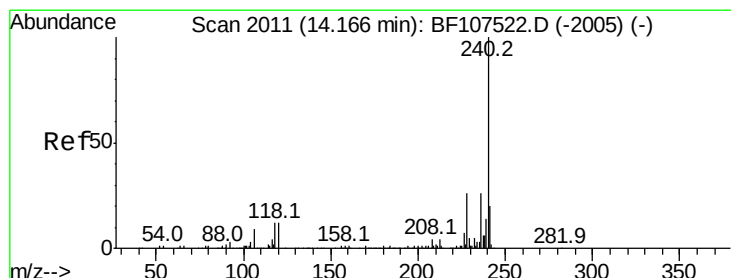
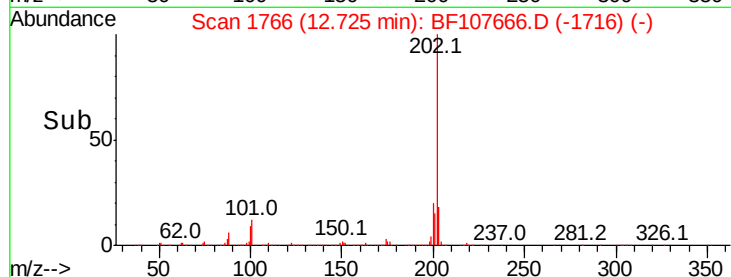
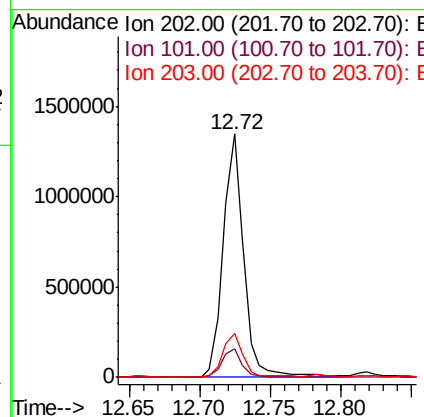
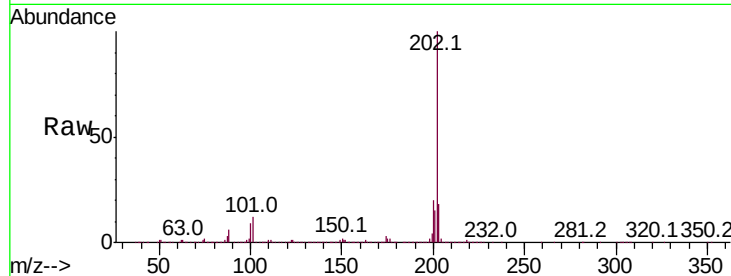
ClientSampleId :

PLANTER-DOC-1

Tot Ion:	202	Resp:	1365229
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	18.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

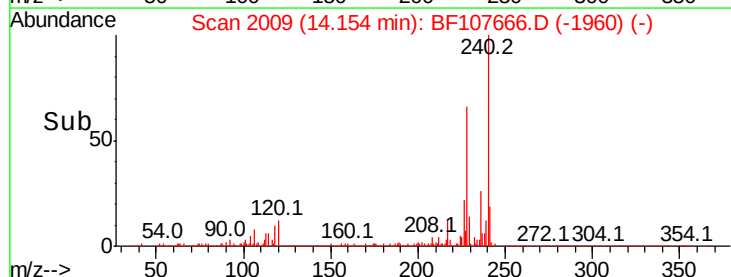
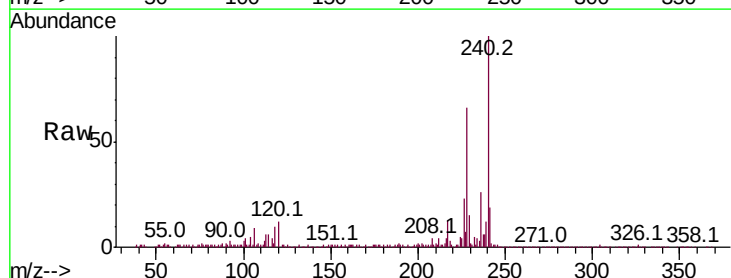
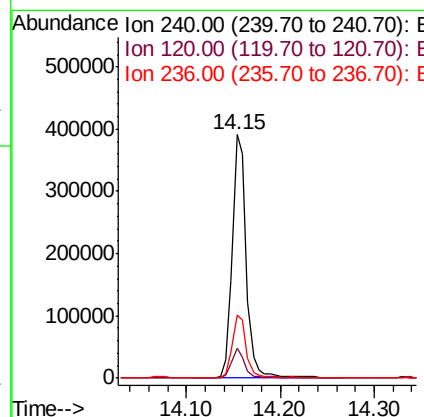
RT: 14.15 min Scan# 2009

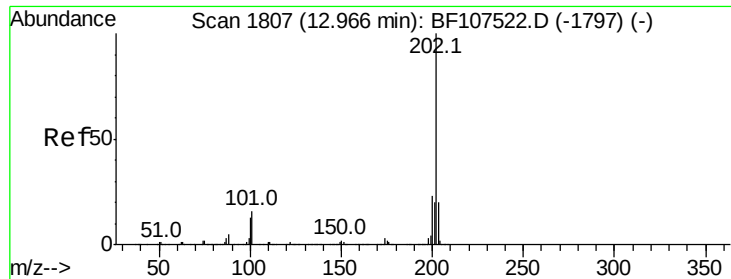
Delta R.T. -0.01 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Tgt Ion:	240	Resp:	404640
Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.1	20.7	31.1





#77

Pvrene

Concen: 44.216 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

ClientSampleId :

PLANTER-DOC-1

Tot Ion:202 Resp: 1223799

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

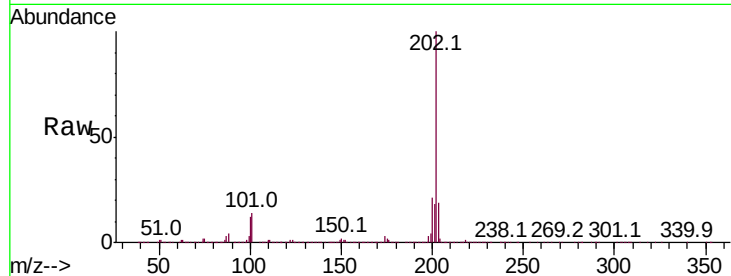
203 18.9 14.3 21.5

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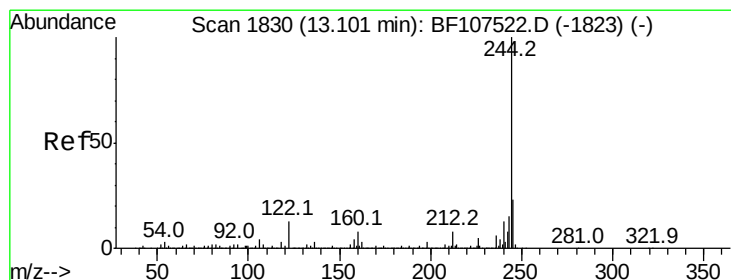
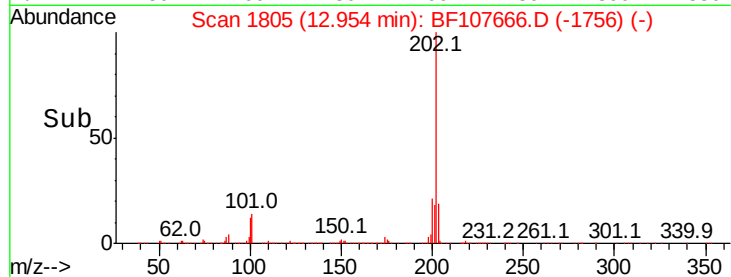
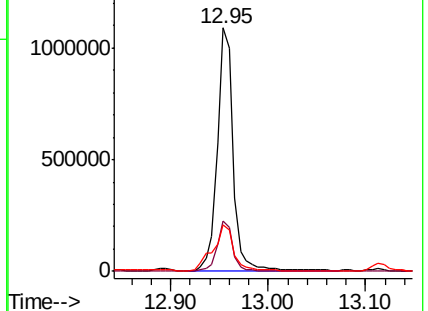
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 20.624 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

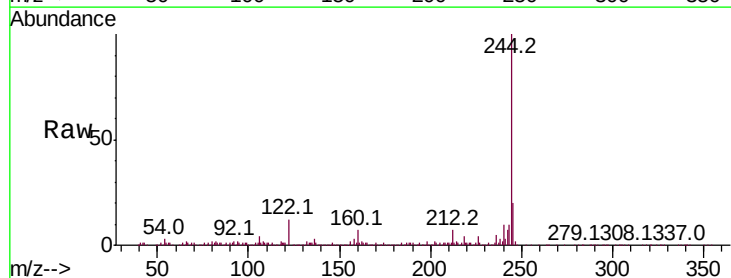
Tgt Ion:244 Resp: 325981

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

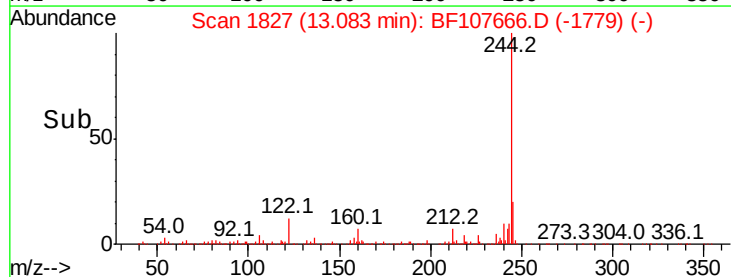
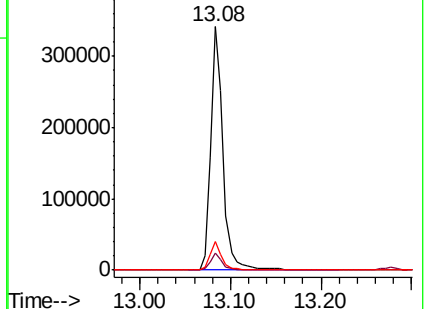
122 11.8 11.0 16.4

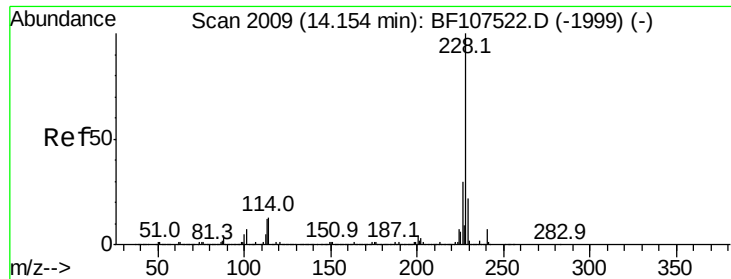


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





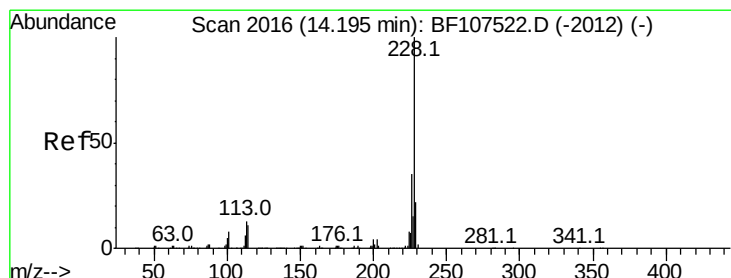
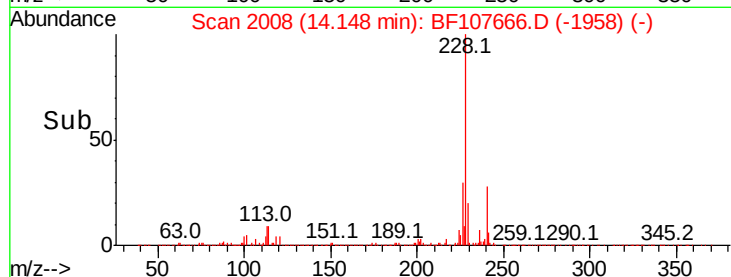
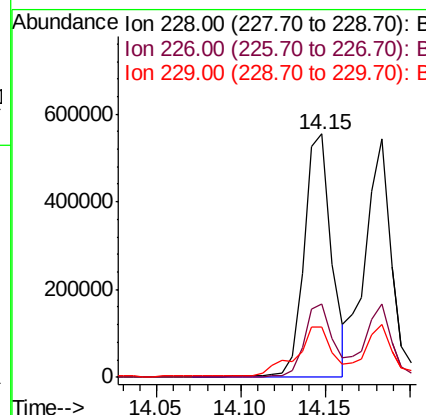
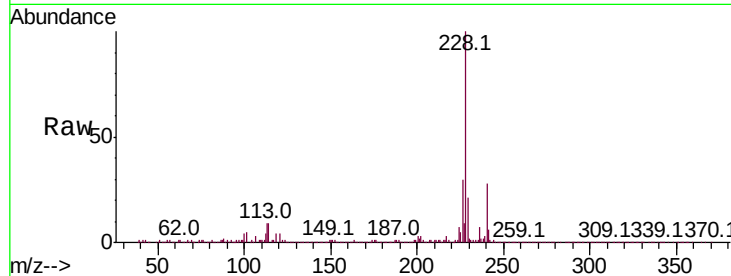
#80
Benzo(a)anthracene
Concen: 26.239 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.5	15.8	23.6

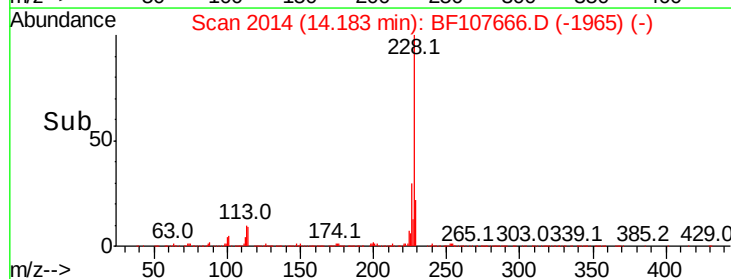
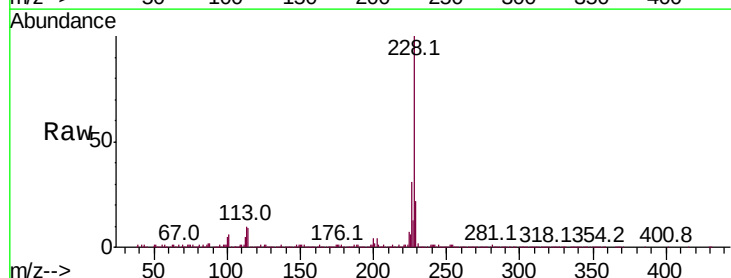
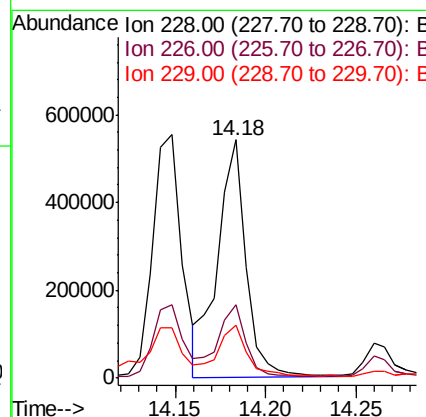
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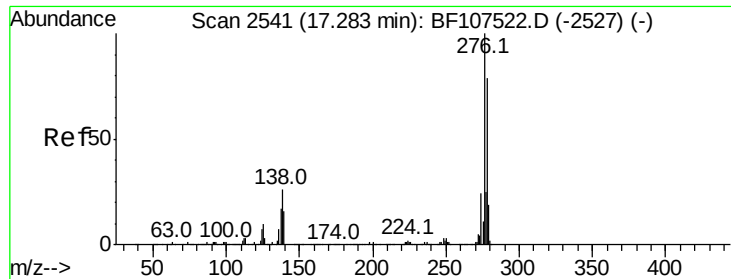
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#82
Chrysene
Concen: 26.070 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.1	16.2	24.4





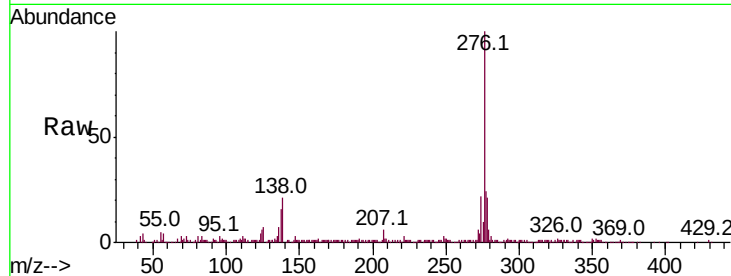
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.235 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.4	25.0	37.6#
277	4.7	20.1	30.1#

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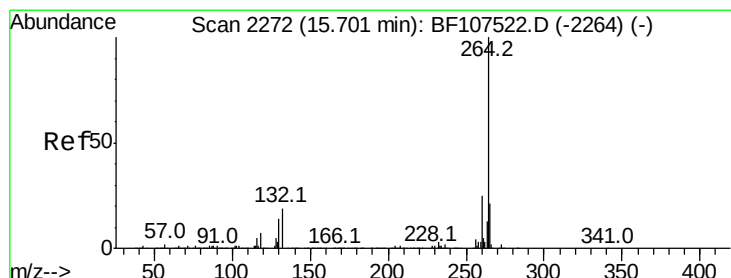
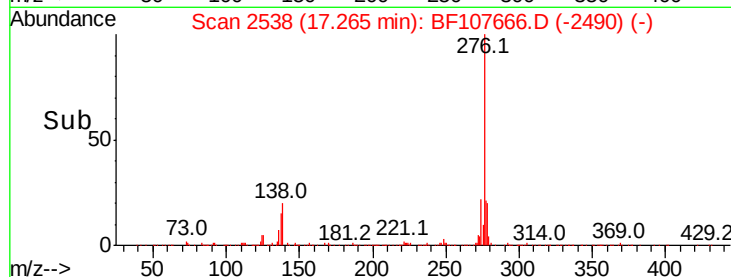
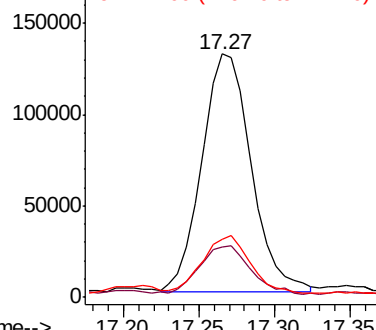


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

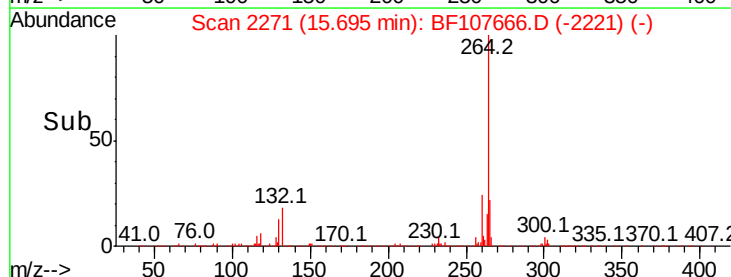
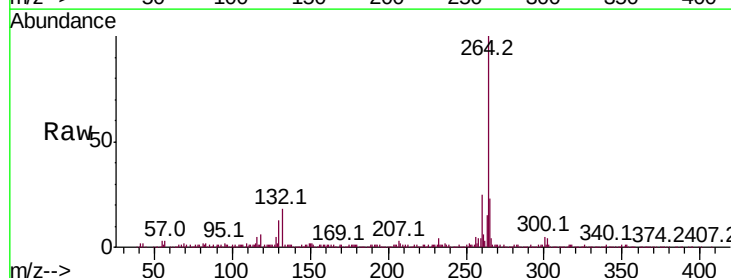
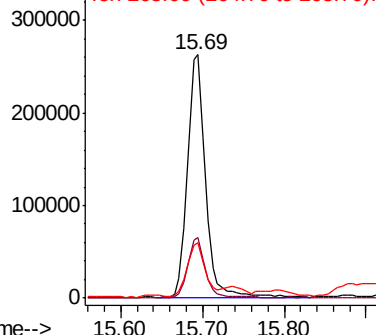
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.6	17.5	26.3

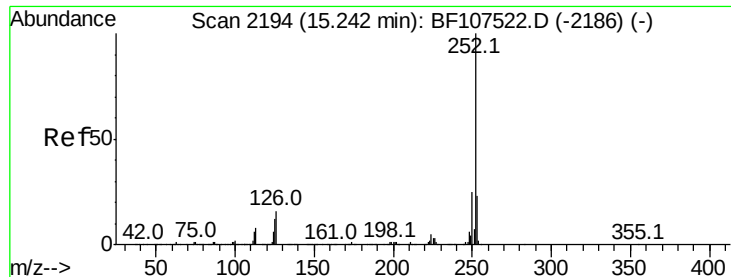
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





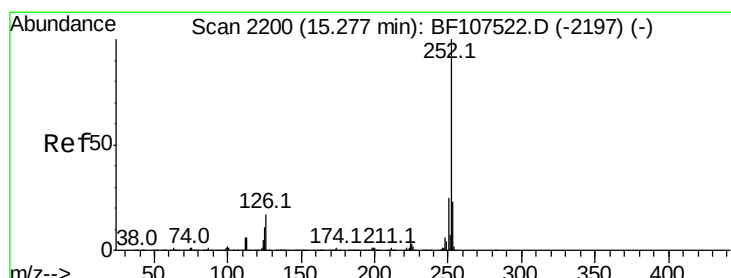
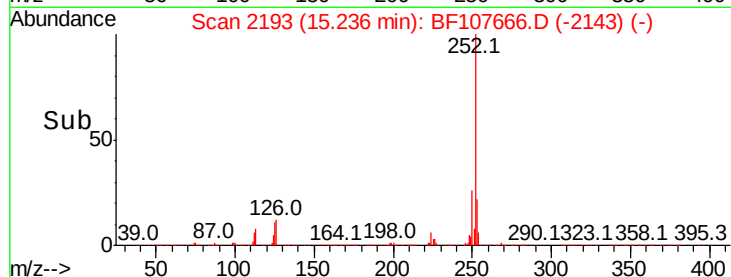
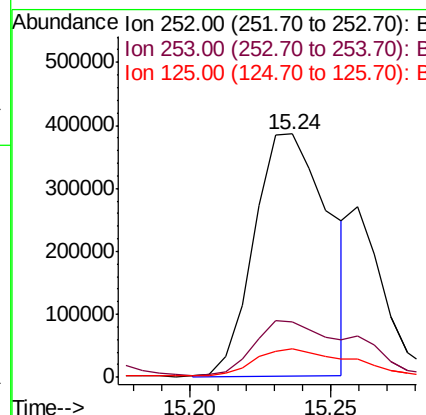
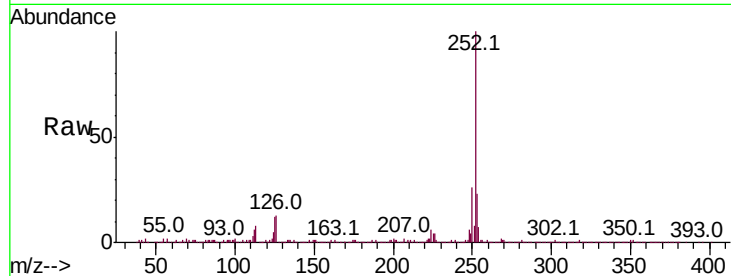
#87
Benzo(b)fluoranthene
Concen: 32.448 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.7	9.0	13.6

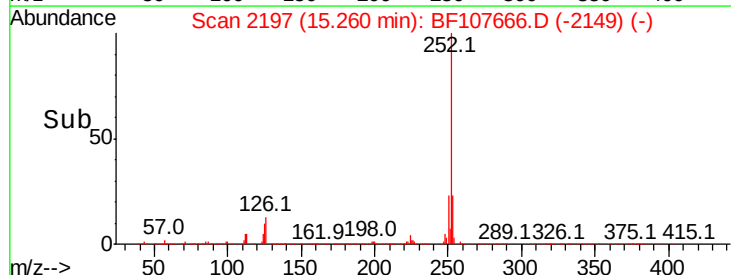
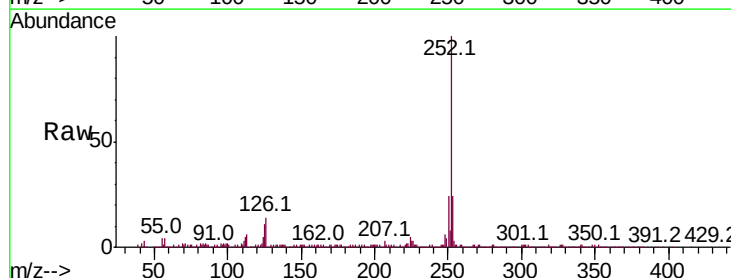
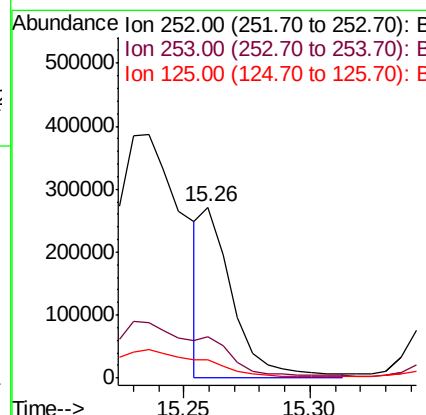
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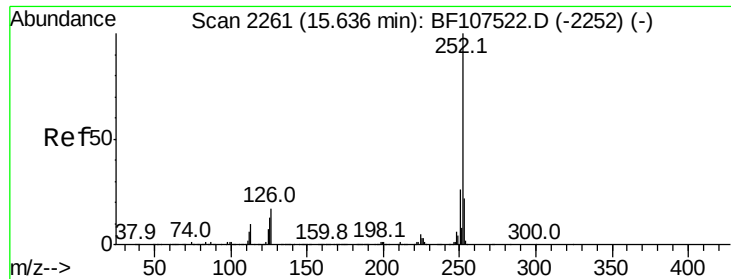
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#88
Benzo(k)fluoranthene
Concen: 10.687 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.5	10.2	15.2





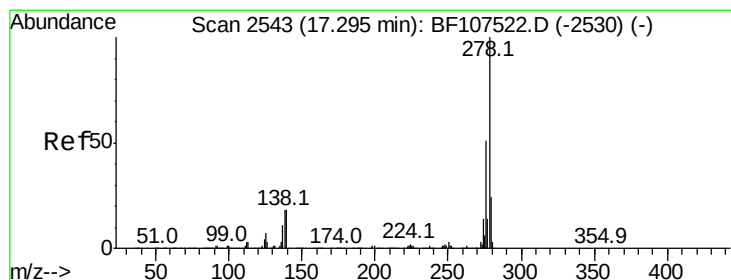
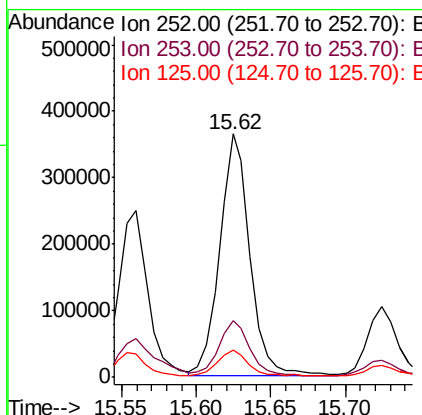
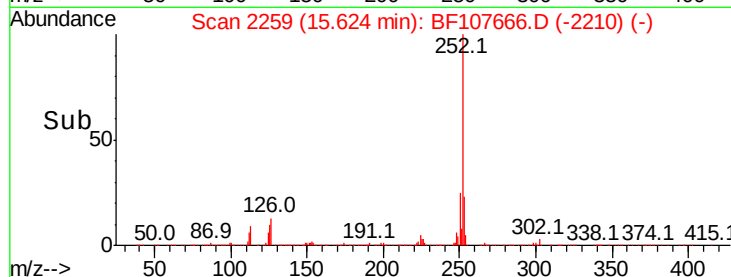
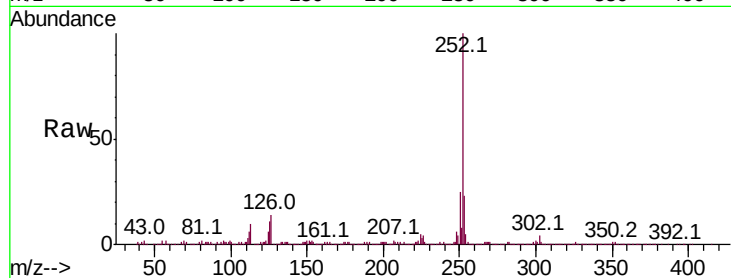
#89
Benzo(a)pyrene
Concen: 25.614 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.0	9.8	14.6

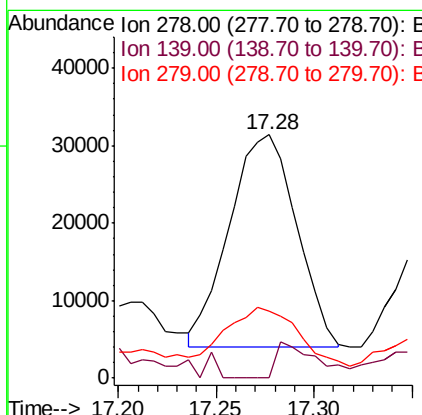
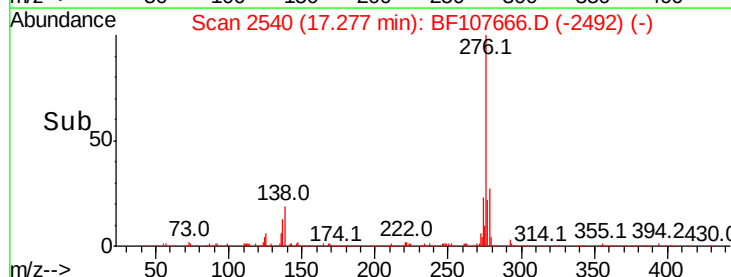
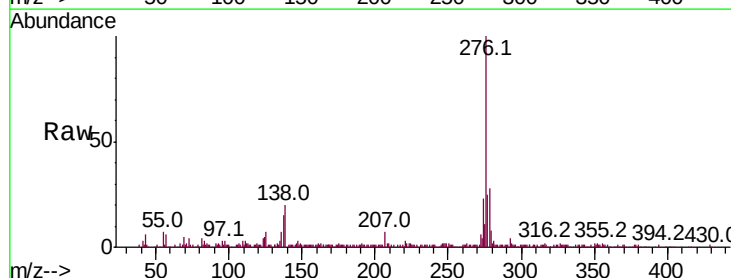
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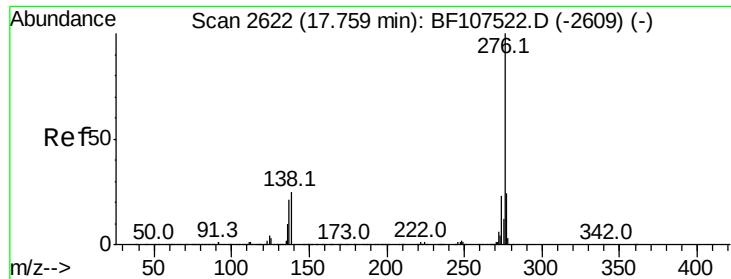
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#90
Dibenzo(a,h)anthracene
Concen: 3.746 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 16.597 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	20.7	21.8	32.8#

Manual Integrations
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