

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107619.D
 Acq On : 24 Jul 2018 15:24
 Operator : JU/SJ
 Sample : J4096-04 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-6

Manual Integrations
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 7/25/2018 12:58:08 PM

Quant Time: Jul 25 03:50:33 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	245075	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	952017	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	392071	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	637714	20.00	ng	0.00
75) Chrysene-d12	14.17	240	392316	20.00	ng	0.00
86) Perylene-d12	15.72	264	415985	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	494920	32.47	ng	-0.01
7) Phenol-d6	6.60	99	678038	37.05	ng	-0.01
23) Nitrobenzene-d5	7.53	82	398664	28.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	148727	33.36	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	770069	26.13	ng	-0.02
78) Terphenyl-d14	13.09	244	534971	34.91	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	7.11	79	275687	22.101	ng	99
37) 2-Methylnaphthalene	8.96	142	177614	6.122	ng	96
51) Acenaphthene	10.04	154	224331	9.130	ng	99
54) Dibenzofuran	10.21	168	221220	6.115	ng	# 97
57) Fluorene	10.56	166	351727	13.629	ng	96
70) Phenanthrene	11.54	178	2655376	85.448	ng	94
71) Anthracene	11.58	178	486571	15.551	ng	99
72) Carbazole	11.74	167	268964	8.266	ng	94
74) Fluoranthene	12.74	202	4049492	121.435	ng	94
77) Pyrene	12.97	202	3271700	121.920	ng	# 94
80) Benzo(a)anthracene	14.16	228	1382742	60.144	ng	97
82) Chrysene	14.20	228	1802040	81.597	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	903744	55.501	ng	98
85) Indeno(1,2,3-cd)pyrene	17.31	276	982102	52.470	ng	# 87
87) Benzo(b)fluoranthene	15.27	252	2388531m	104.915	ng	
88) Benzo(k)fluoranthene	15.29	252	670402m	30.056	ng	
89) Benzo(a)pyrene	15.66	252	1190736	57.178	ng	# 94
90) Dibenzo(a,h)anthracene	17.32	278	194304	10.794	ng	# 83
91) Benzo(a,h,i)perylene	17.80	276	932103	52.493	ng	92

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

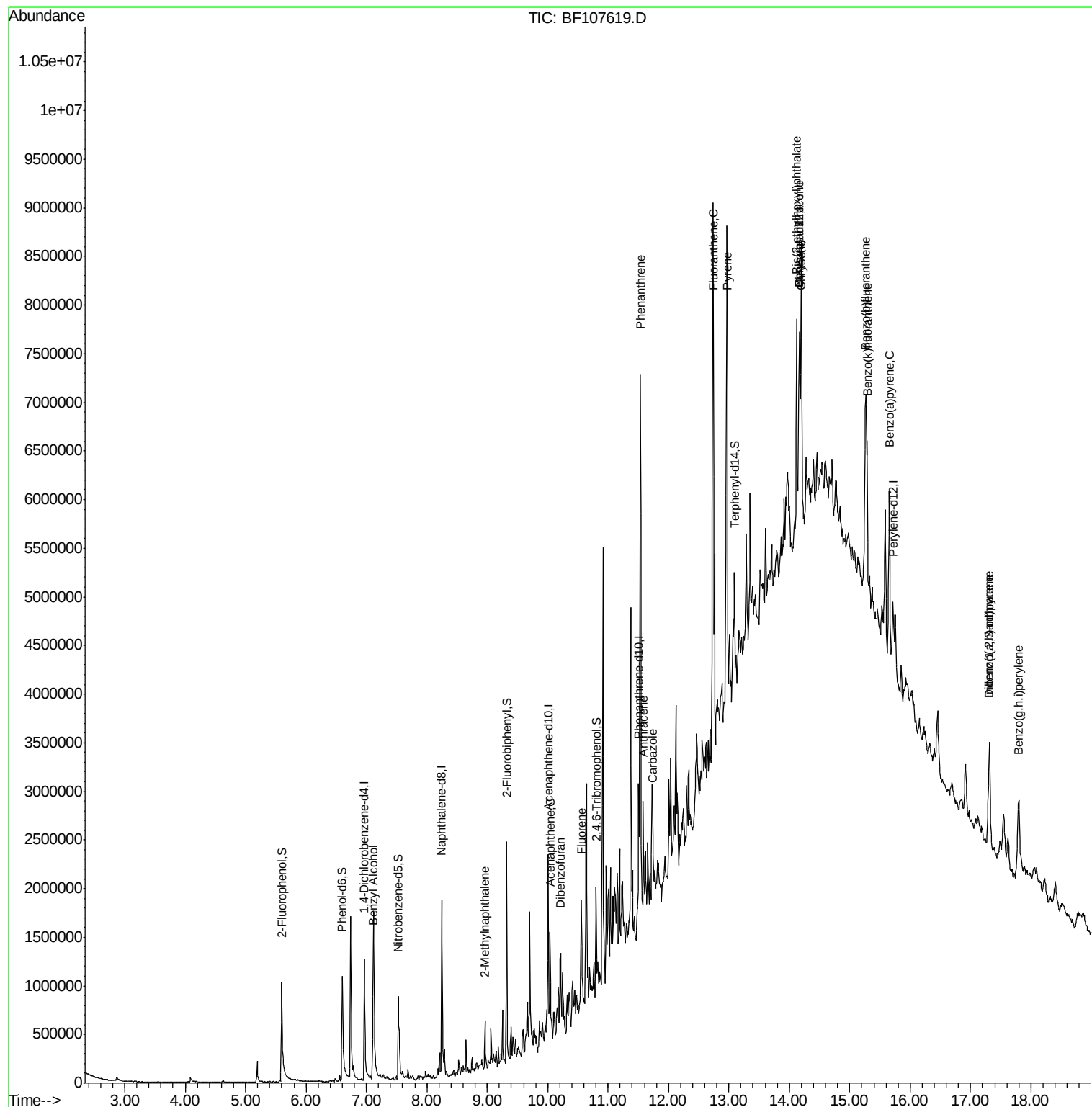
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107619.D
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ALS Vial : 8 Sample Multiplier: 1

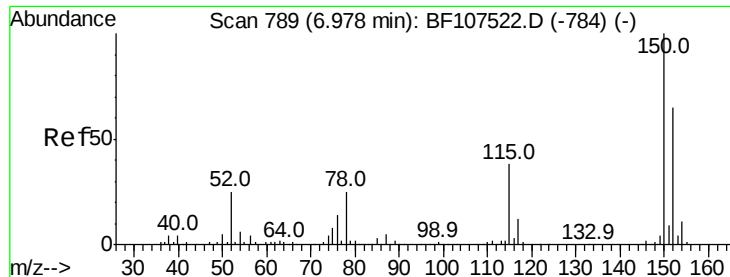
Instrument :
BNA_F
ClientSampled :
DW-6

Quant Time: Jul 25 03:50:33 2018
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

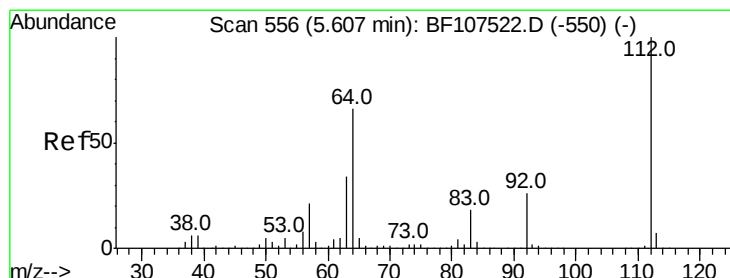
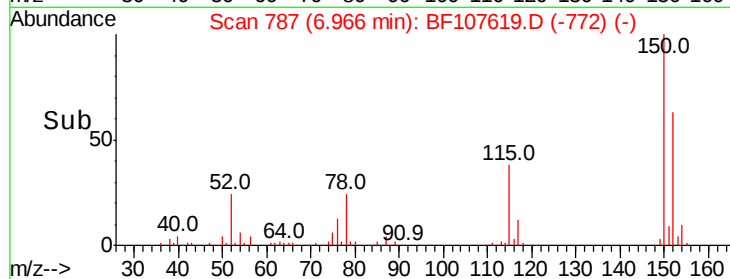
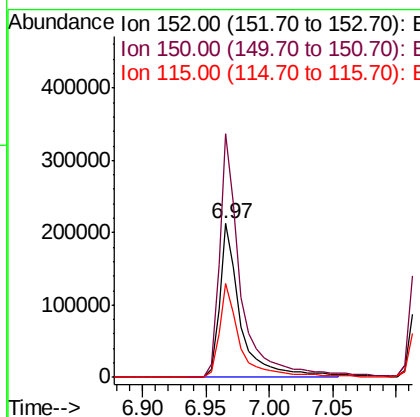
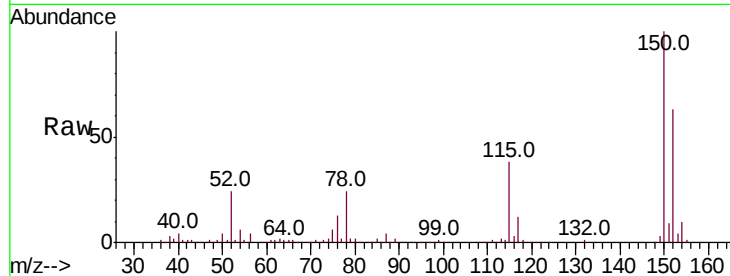
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampled :
DW-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	60.7	50.1	75.1

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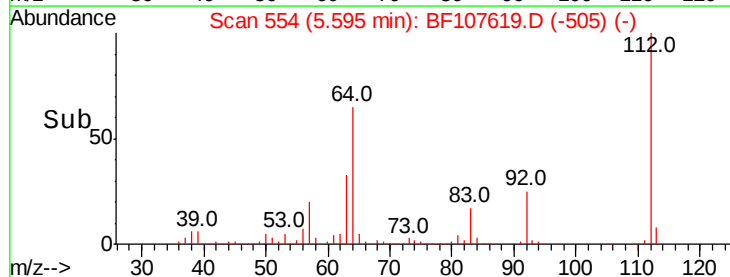
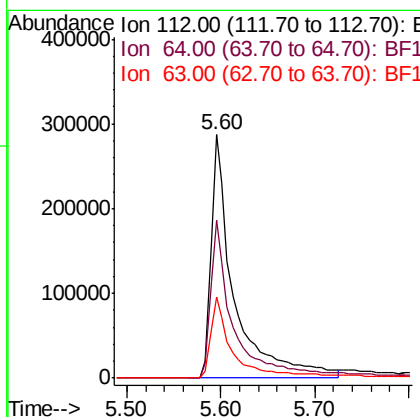
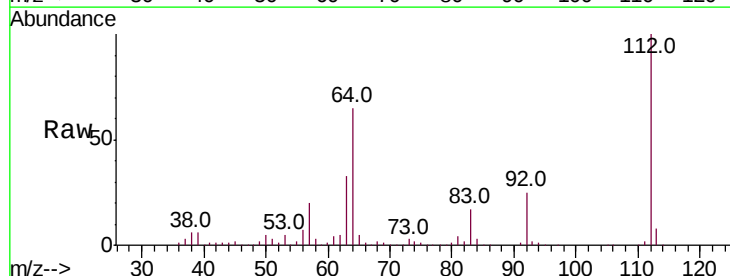
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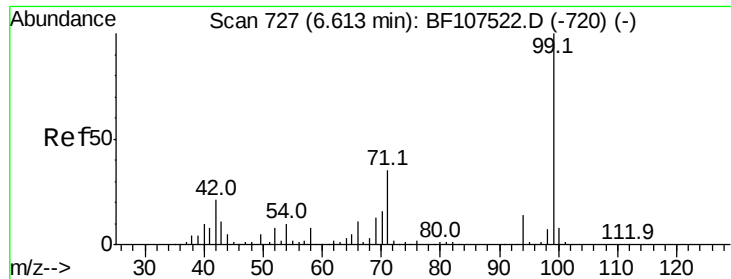


#5

2-Fluorophenol
Concen: 32.469 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	47.9	71.9
63	33.3	23.7	35.5





#7

Phenol-d6

Concen: 37.046 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107619.D

Acq: 24 Jul 2018 15:24

Instrument :

BNA_F

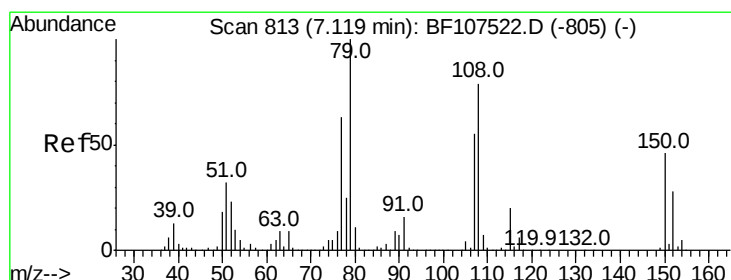
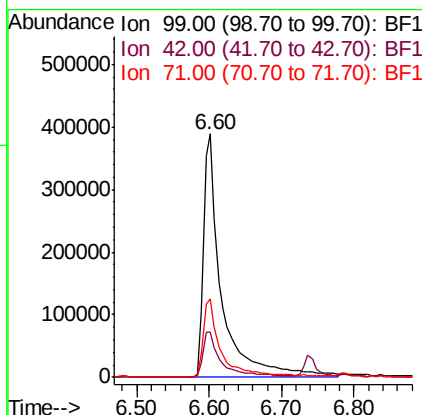
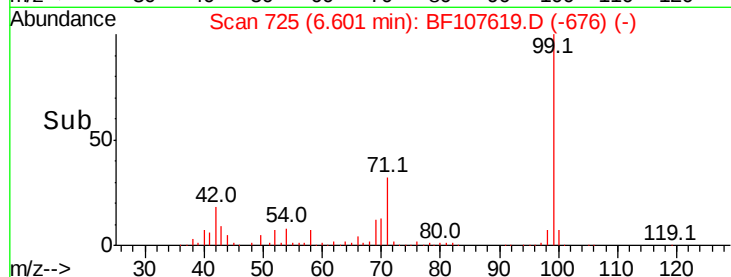
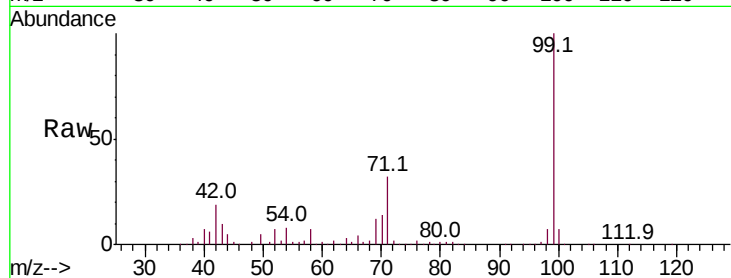
ClientSampled :

DW-6

Tot Ion:	99	Resp:	678038
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	32.4	25.4	38.0

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#15

Benzyl Alcohol

Concen: 22.101 ng

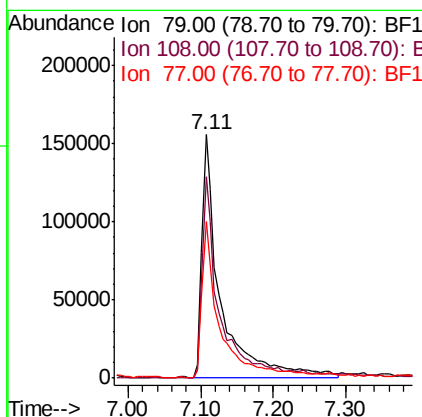
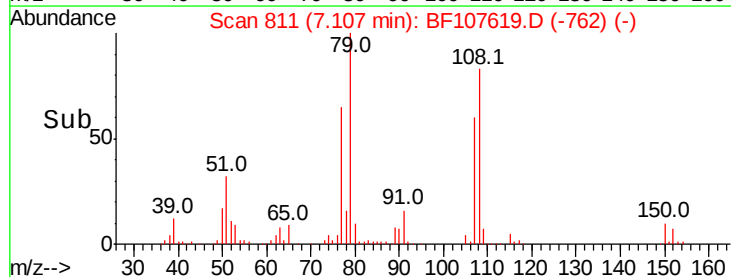
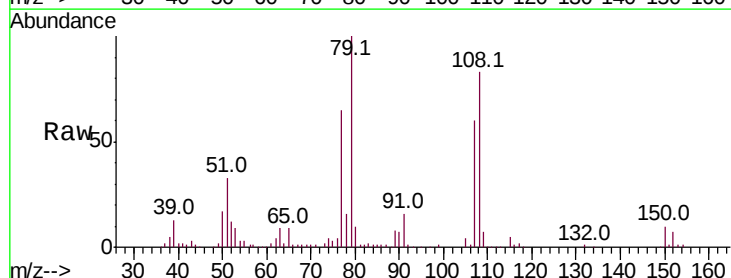
RT: 7.11 min Scan# 811

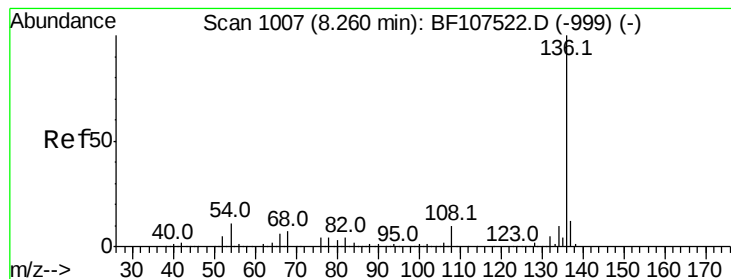
Delta R.T. -0.01 min

Lab File: BF107619.D

Acq: 24 Jul 2018 15:24

Tgt Ion:	79	Resp:	275687
Ion Ratio	Lower	Upper	
79	100		
108	82.5	65.1	97.7
77	64.6	50.6	75.8





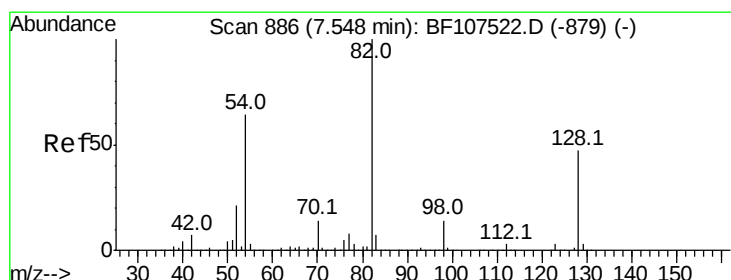
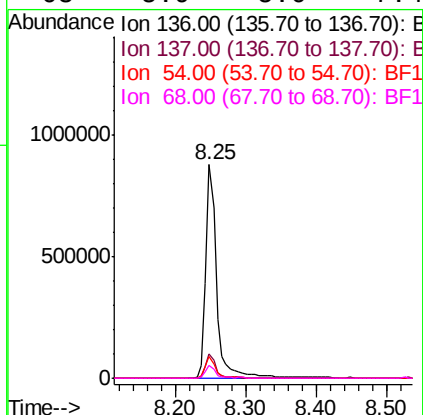
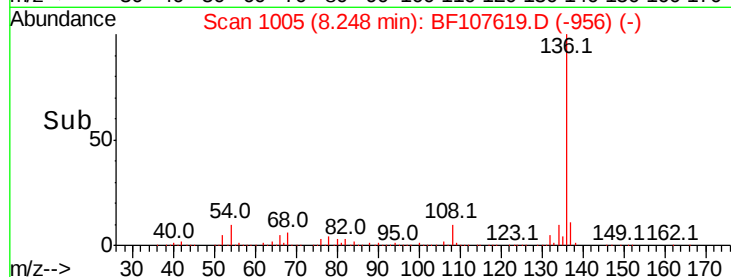
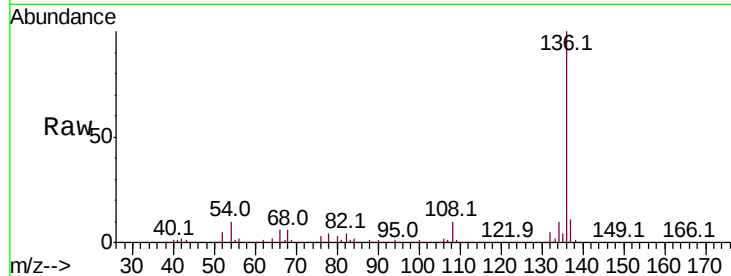
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampled :
DW-6

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	10.0	6.6	9.8	
68	5.9	5.0	7.4	

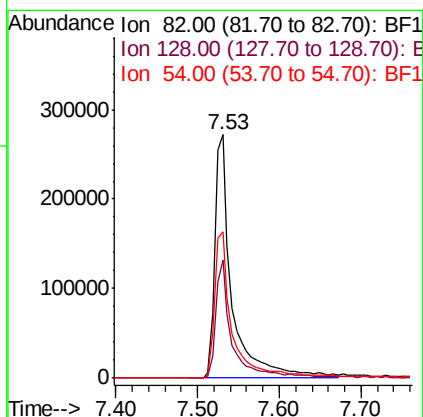
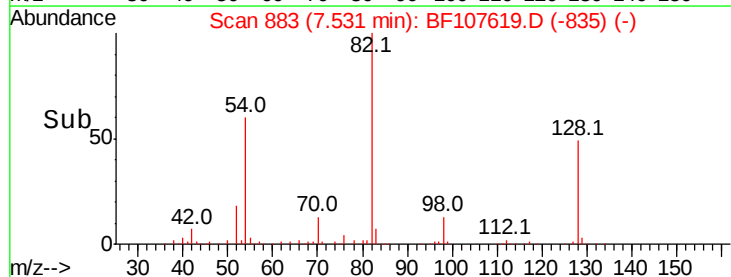
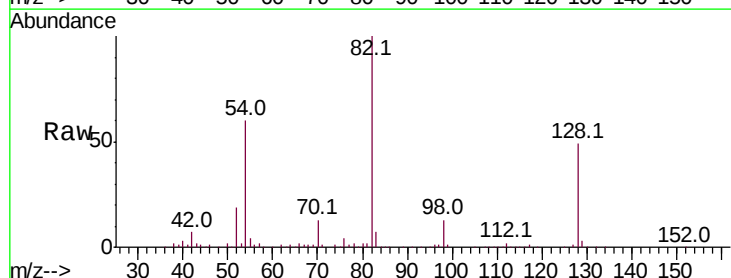
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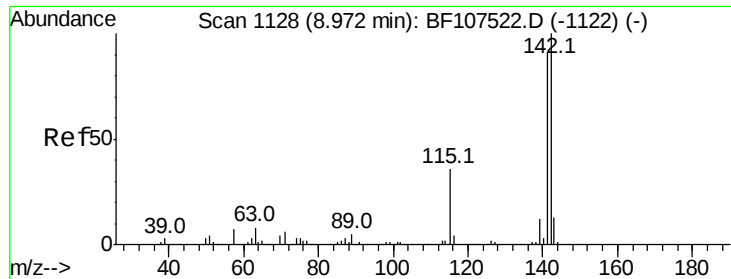
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#23
Nitrobenzene-d5
Concen: 28.261 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.6	36.1	54.1	
54	59.9	41.4	62.2	





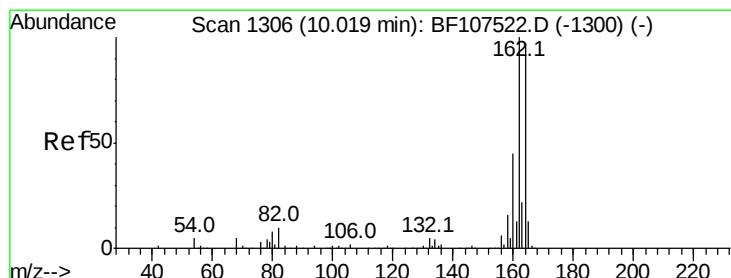
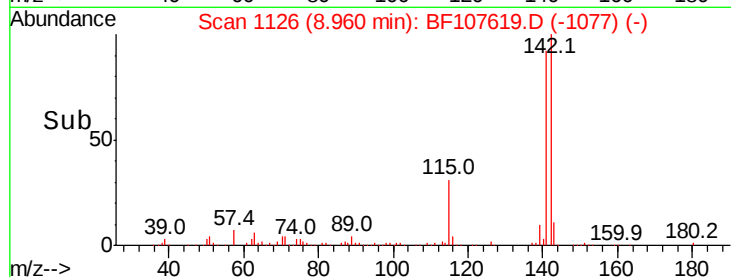
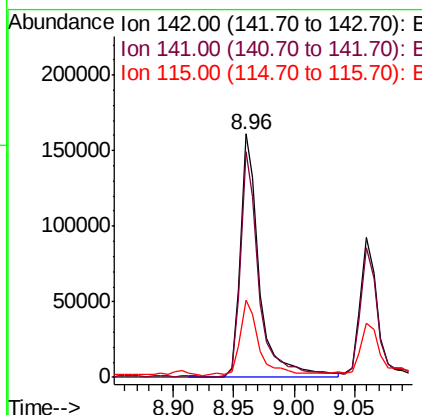
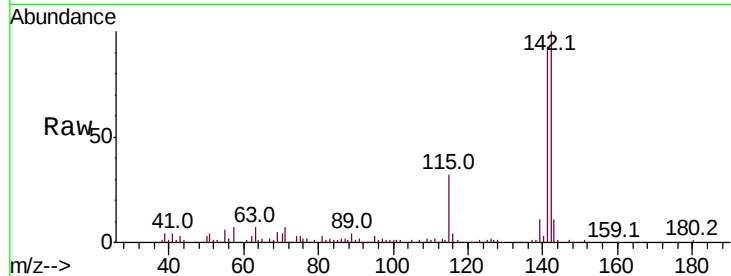
#37
2-Methylnaphthalene
Concen: 6.122 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampleId :
DW-6

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	70.8	106.2
115	31.8	26.1	39.1

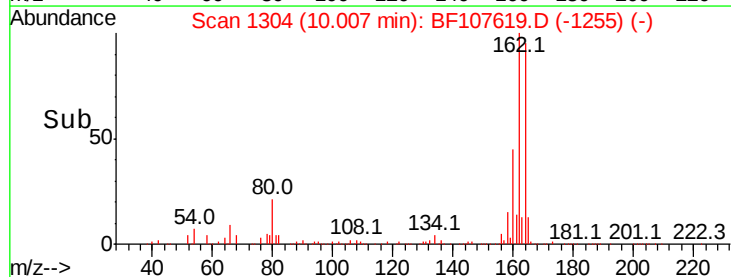
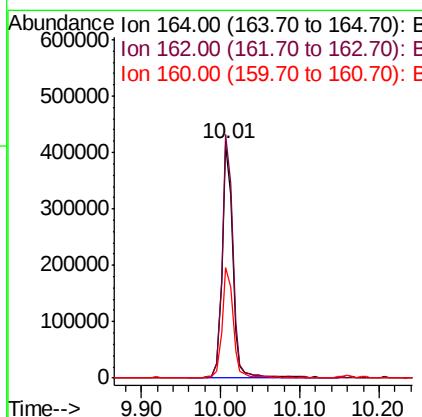
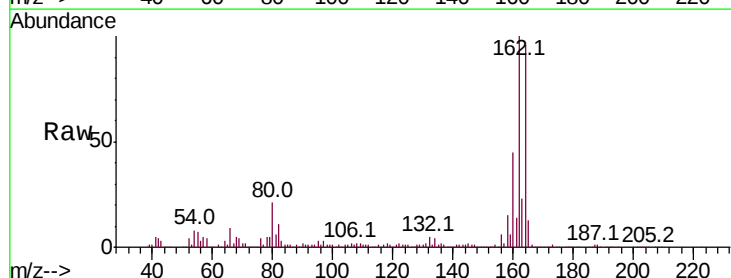
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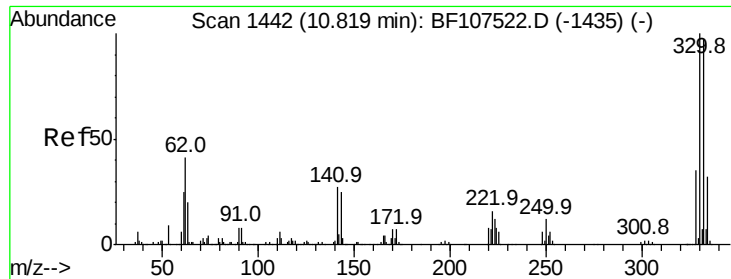
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	47.3	38.3	57.5





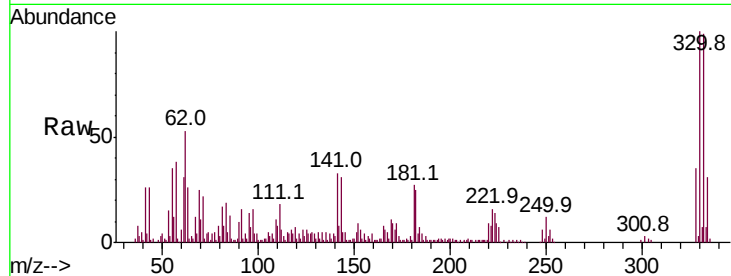
#41
 2,4,6-Tribromophenol
 Concen: 33.358 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Instrument :
 BNA_F
 ClientSampled :
 DW-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	148727		
332	97.9	77.0	115.6	
141	33.3	29.9	44.9	

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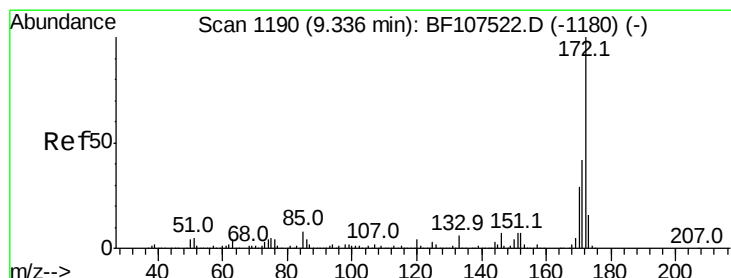
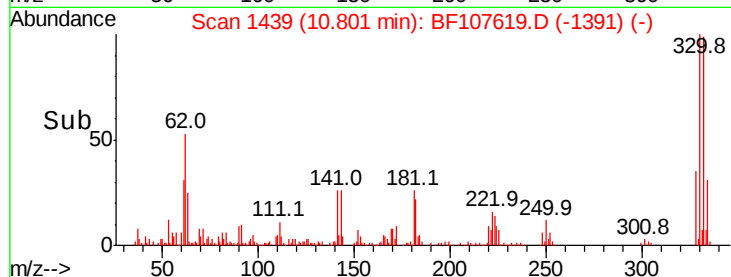
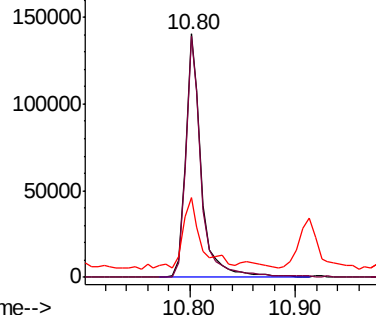


Abundance

Ion 329.80 (329.50 to 330.50): E

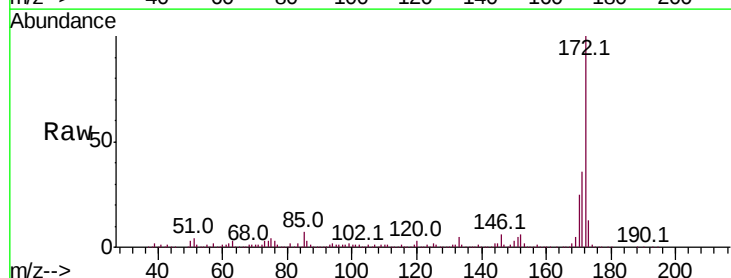
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.129 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	770069		
171	35.5	29.7	44.5	
170	24.9	19.6	29.4	

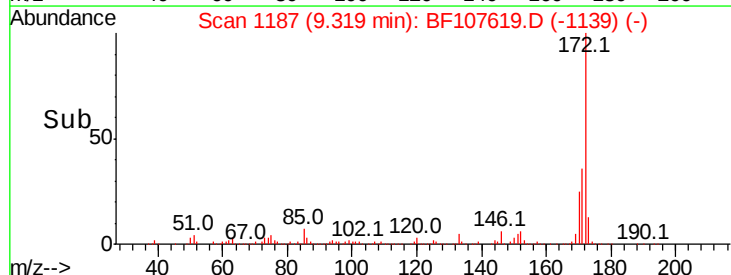
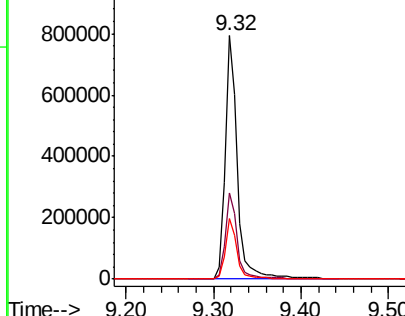


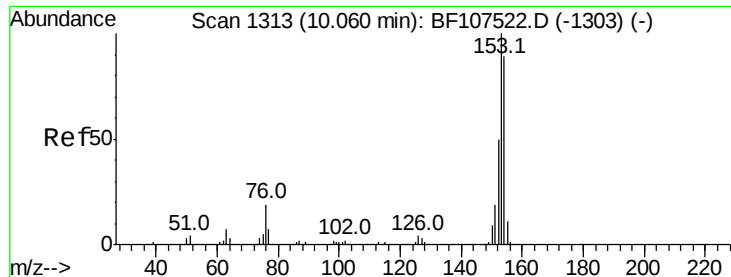
Abundance

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





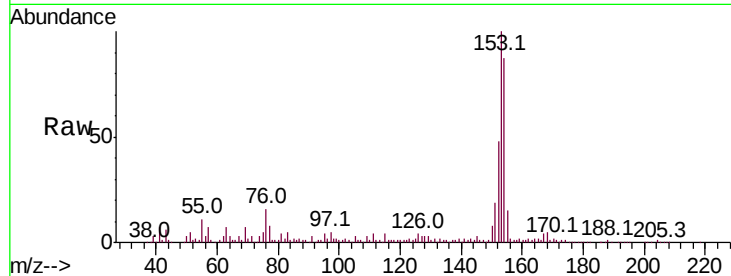
#51
Acenaphthene
Concen: 9.130 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampleId :
DW-6

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.2	136.8
152	55.6	43.8	65.8

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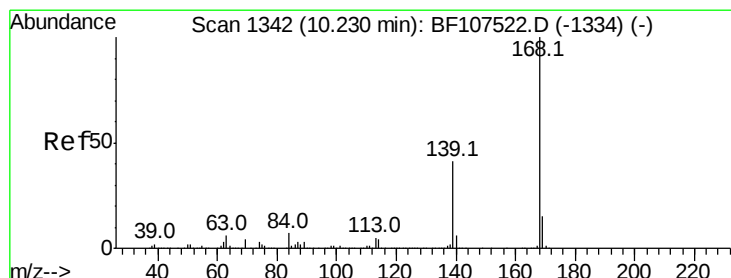
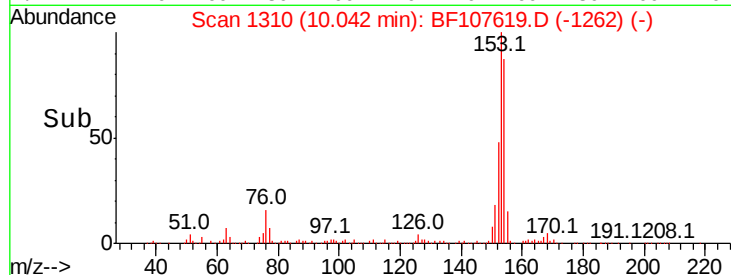
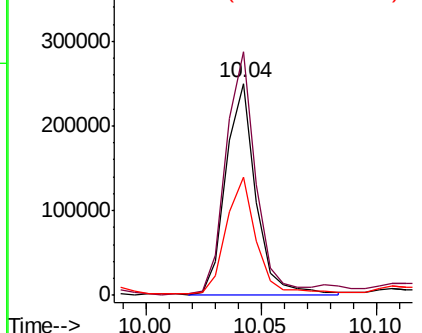


Abundance

Ion 154.00 (153.70 to 154.70): E

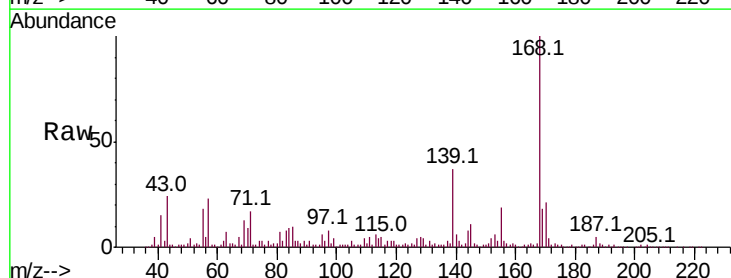
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54
Dibenzofuran
Concen: 6.115 ng
RT: 10.21 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	18.0	10.9	16.3#

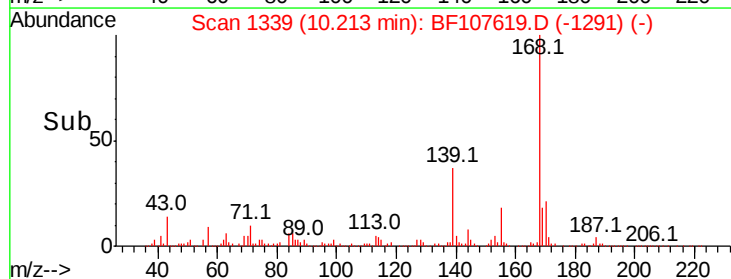
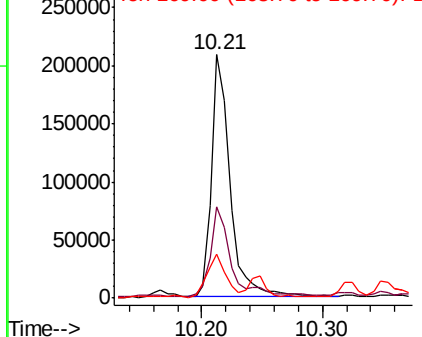


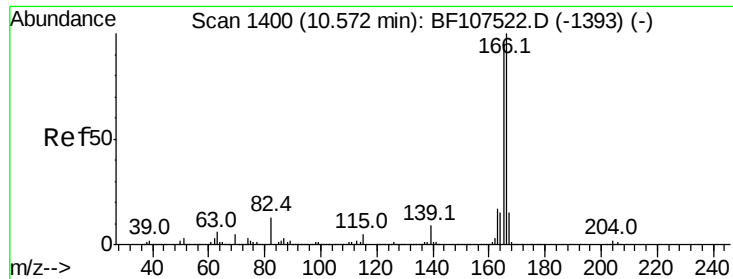
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





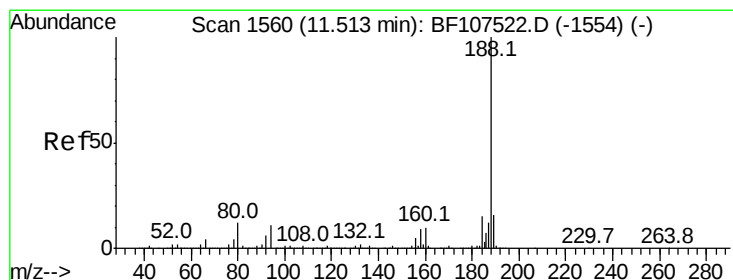
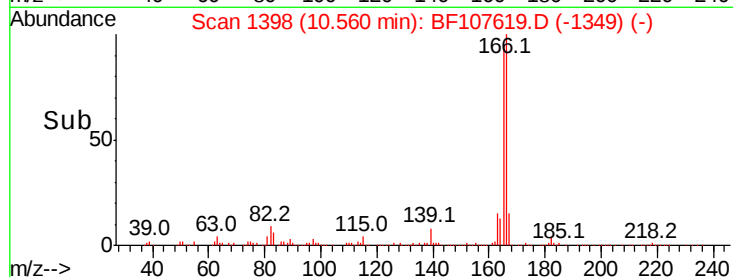
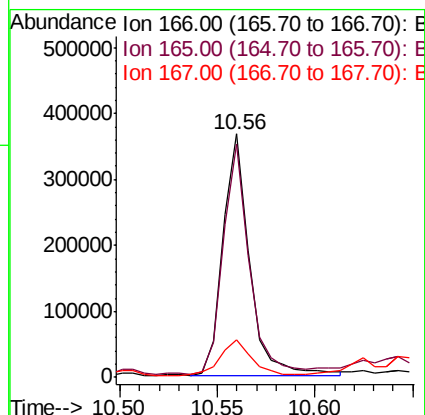
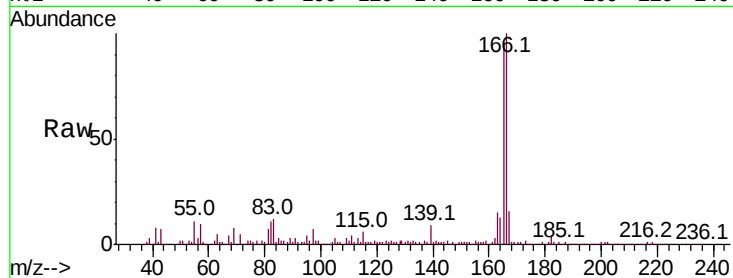
#57
Fluorene
 Concen: 13.629 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Instrument :
 BNA_F
 ClientSampleID :
 DW-6

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.8	119.8
167	15.6	10.6	16.0

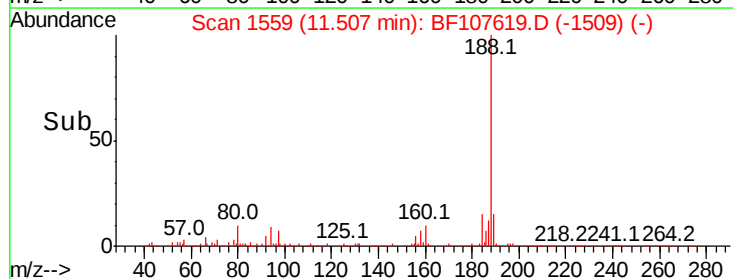
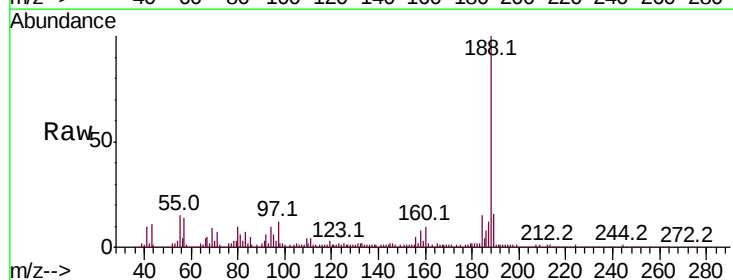
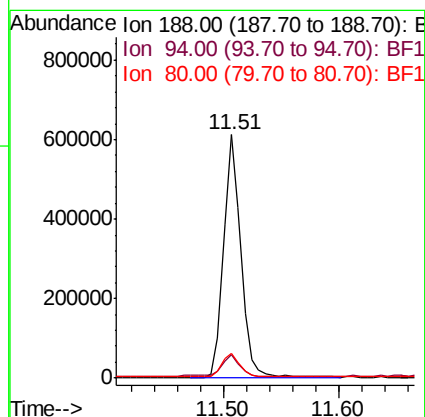
Manual Integrations
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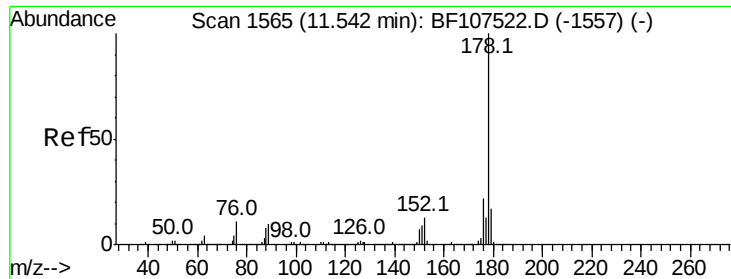
Sohil
 7/25/2018 12:58:08 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.3	9.2	13.8





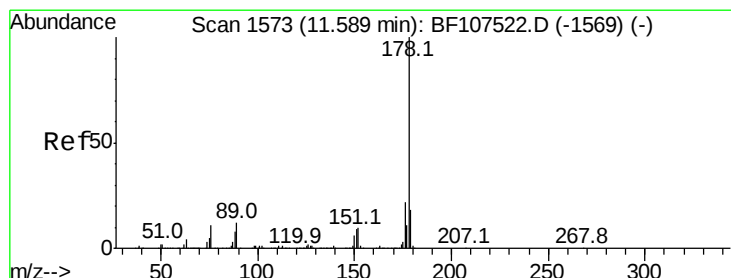
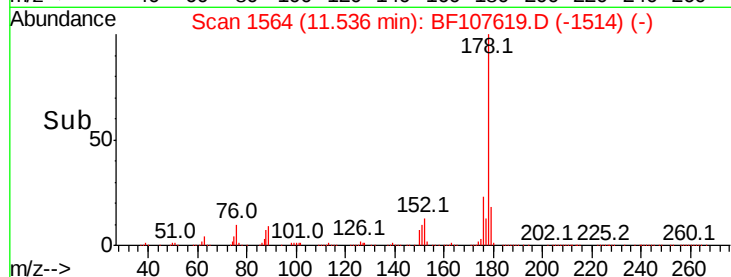
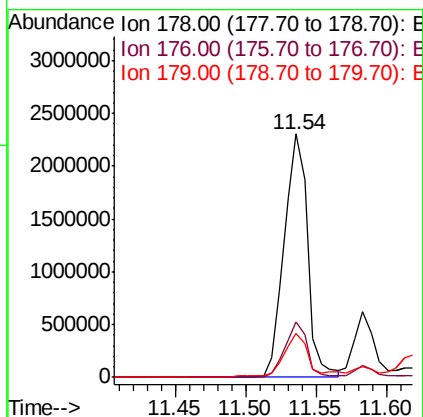
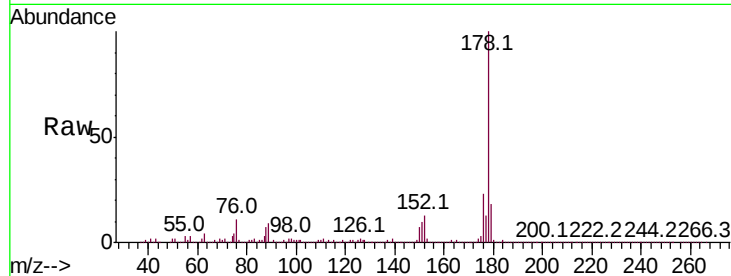
#70
Phenanthrene
Concen: 85.448 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampleId :
DW-6

Tot Ion:178 Resp: 2655376
Ion Ratio Lower Upper
178 100
176 22.7 15.8 23.8
179 18.3 13.0 19.6

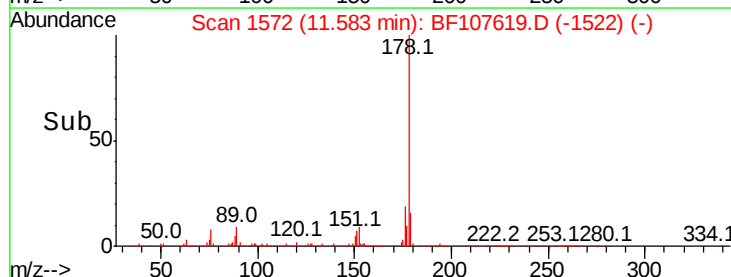
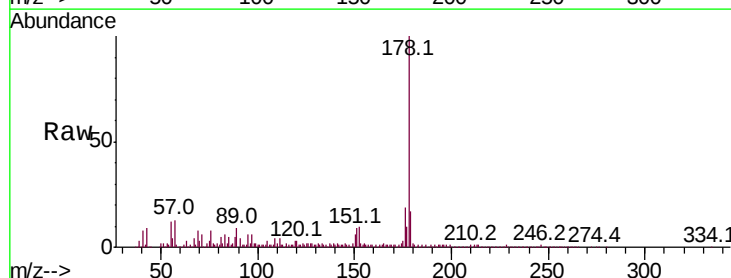
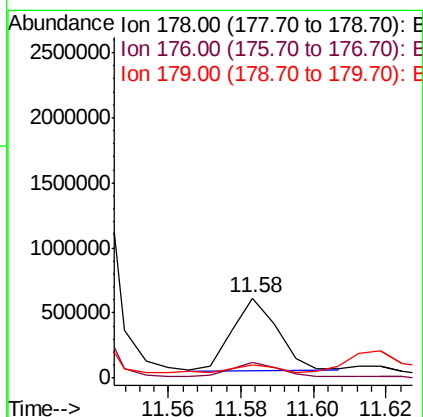
Manual Integrations
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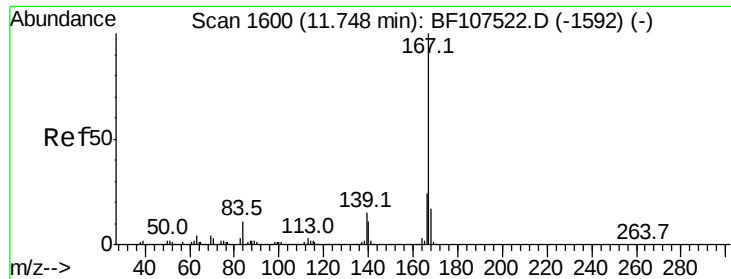
Sohil
7/25/2018 12:58:08 PM



#71
Anthracene
Concen: 15.551 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion:178 Resp: 486571
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.8 12.6 19.0





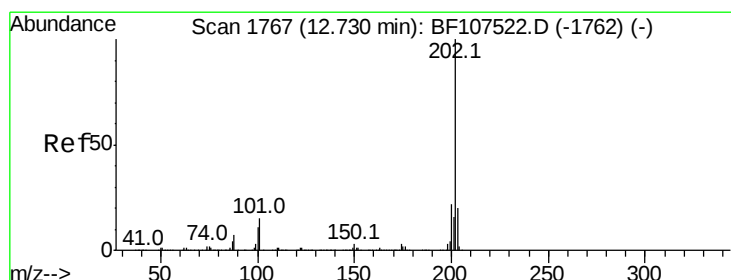
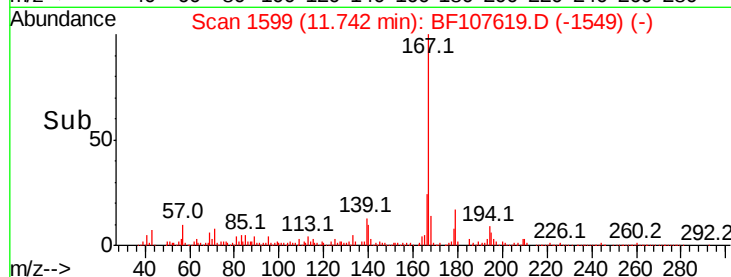
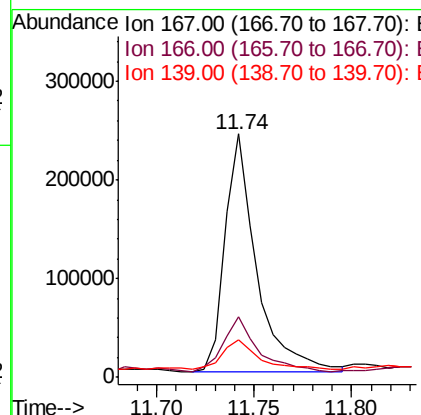
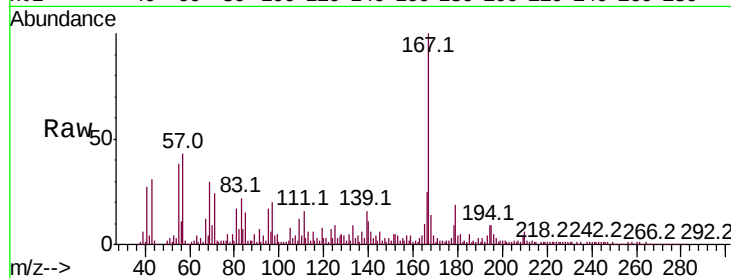
#72
 Carbazole
 Concen: 8.266 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Instrument :
 BNA_F
 ClientSampleId :
 DW-6

Tot Ion	Ratio	Resp	Lower	Upper
167	100	268964		
166	25.0		17.6	26.4
139	15.5		10.9	16.3

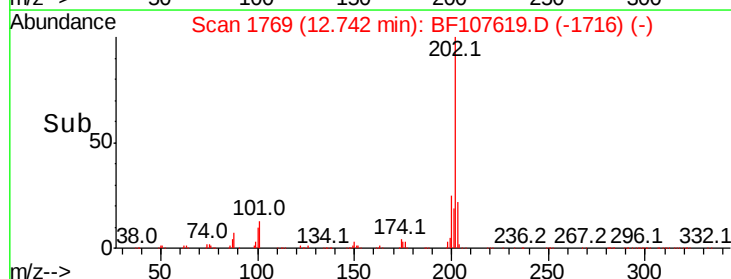
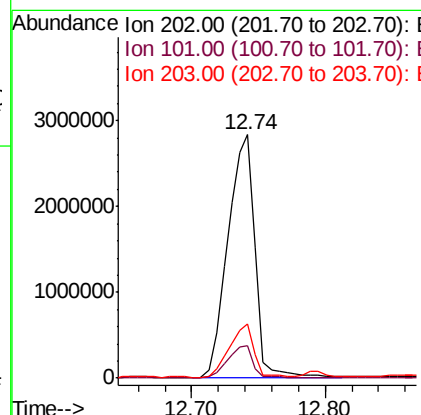
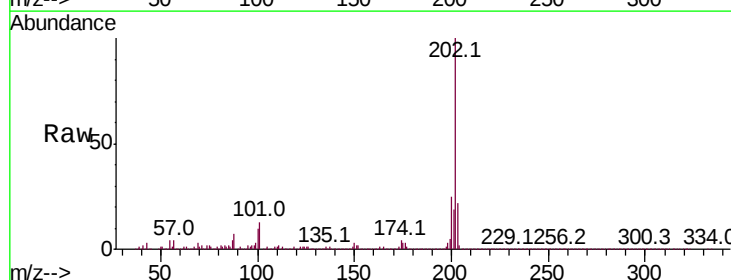
Manual Integrations
 APPROVED

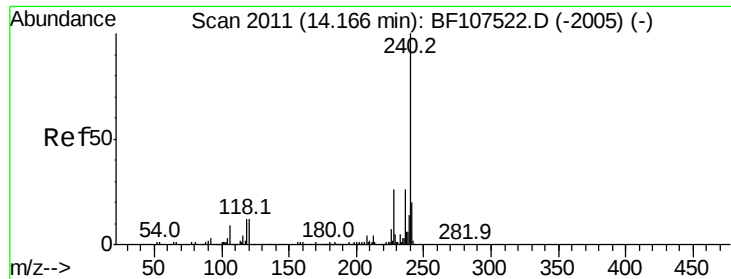
Sohil
 7/25/2018 12:58:08 PM



#74
 Fluoranthene
 Concen: 121.435 ng
 RT: 12.74 min Scan# 1769
 Delta R.T. 0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4049492		
101	13.4		0.0	34.1
203	22.1		0.0	38.1





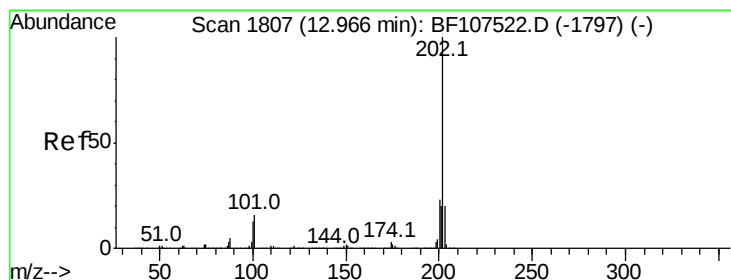
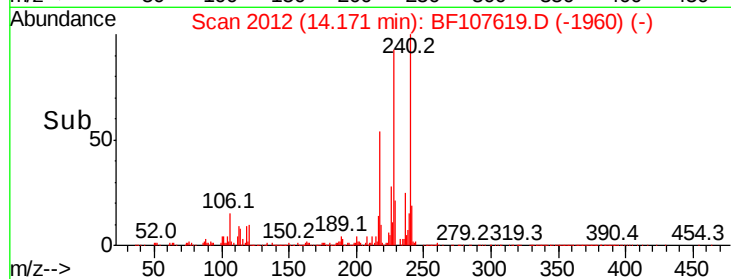
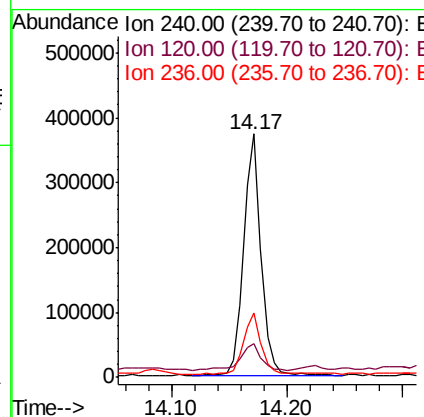
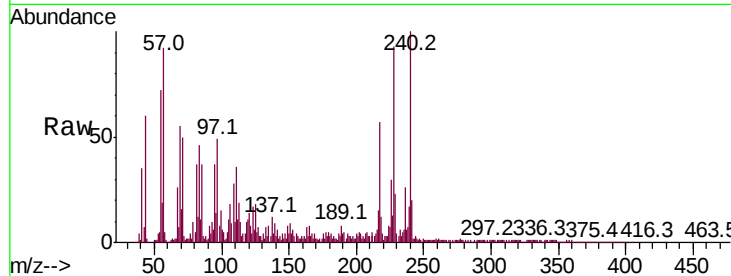
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. 0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Instrument :
 BNA_F
 ClientSampleID :
 DW-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	26.4	20.7	31.1

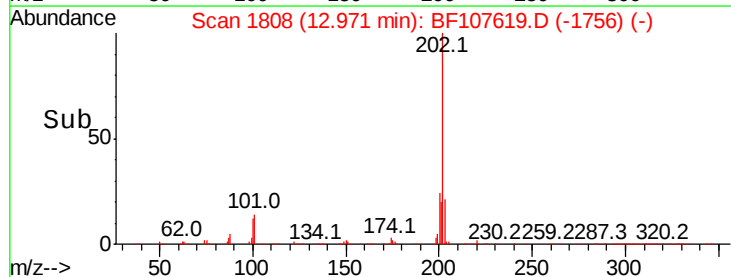
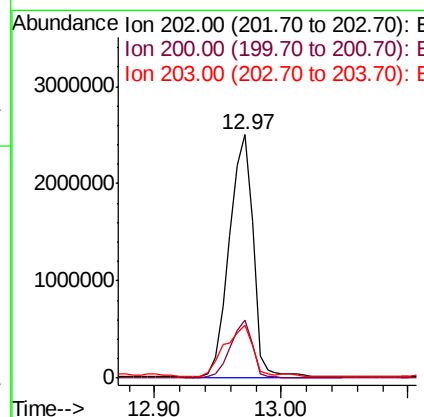
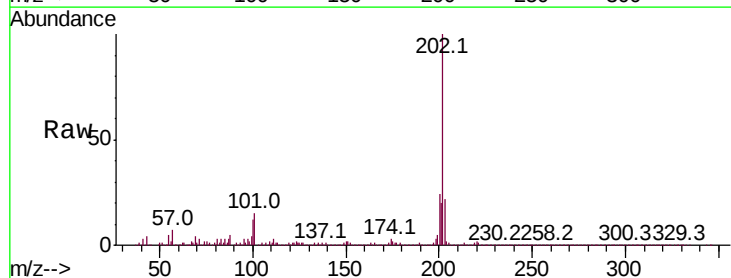
Manual Integrations
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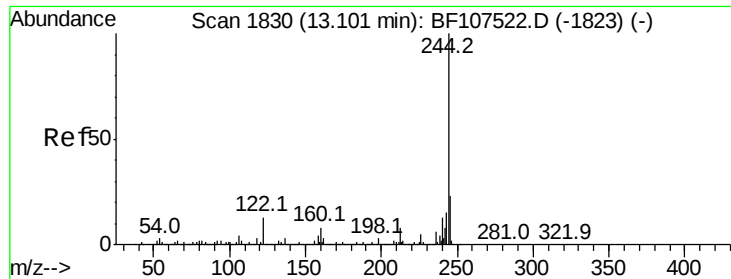
Sohil
 7/25/2018 12:58:08 PM



#77
 Pyrene
 Concen: 121.920 ng
 RT: 12.97 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.8	17.4	26.2
203	21.6	14.3	21.5#





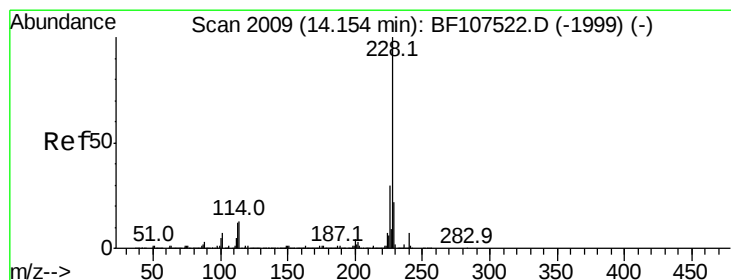
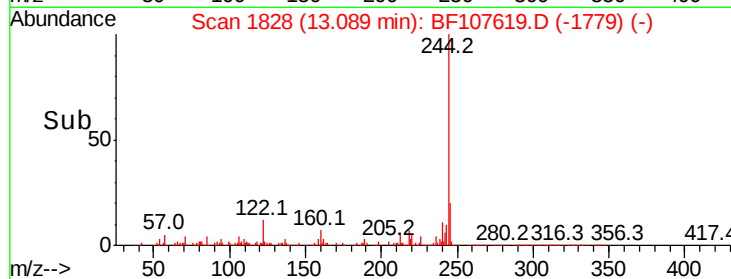
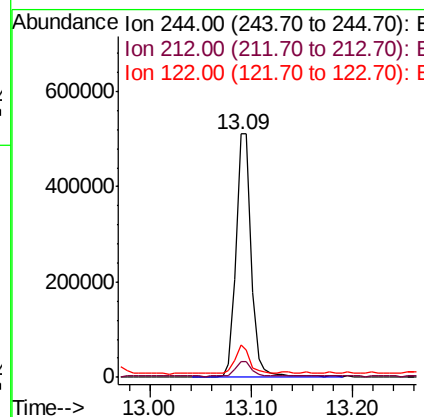
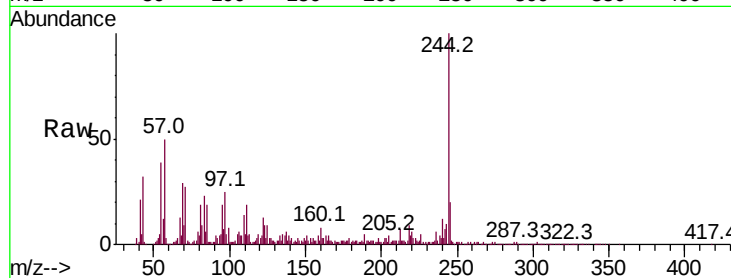
#78
 Terphenyl-d14
 Concen: 34.910 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Instrument :
 BNA_F
 ClientSampleId :
 DW-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.3	11.0	16.4

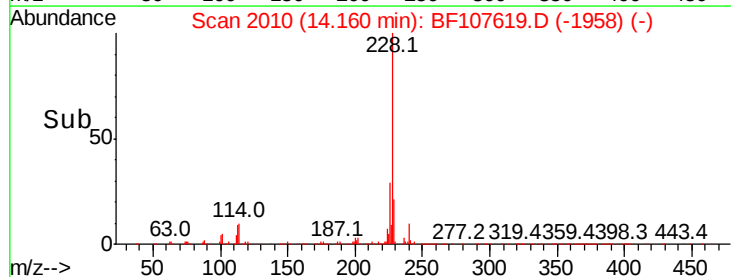
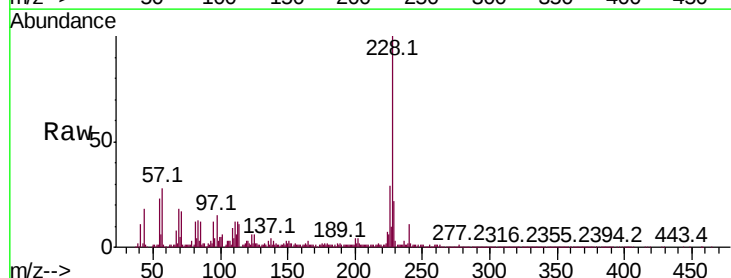
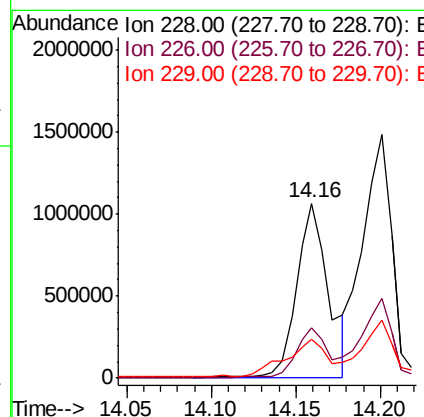
Manual Integrations
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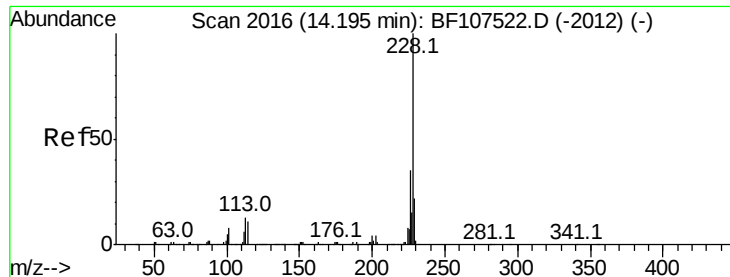
Sohil
 7/25/2018 12:58:08 PM



#80
 Benzo(a)anthracene
 Concen: 60.144 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. 0.01 min
 Lab File: BF107619.D
 Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	22.1	15.8	23.6





#82

Chrysene

Concen: 81.597 ng

RT: 14.20 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF107619.D

Acq: 24 Jul 2018 15:24

Instrument :

BNA_F

ClientSampled :

DW-6

Tot Ion:228 Resp: 1802040

Ion Ratio Lower Upper

228 100

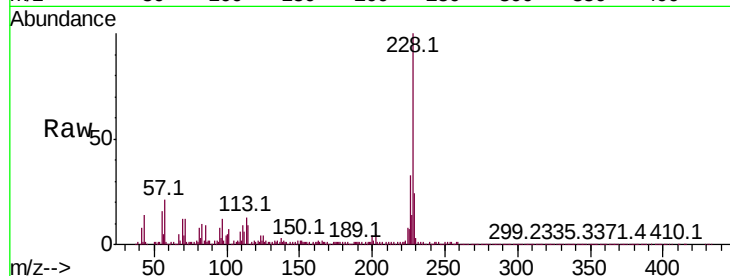
226 32.7 25.0 37.6

229 23.8 16.2 24.4

Manual Integrations
APPROVED

Sohil

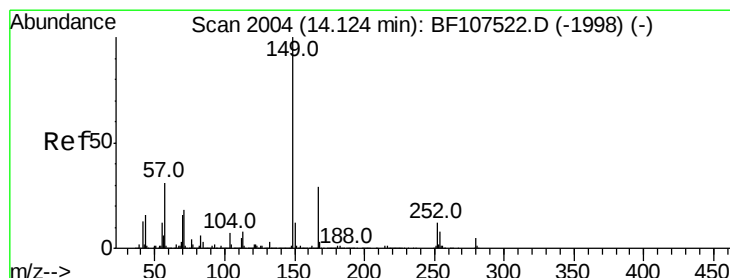
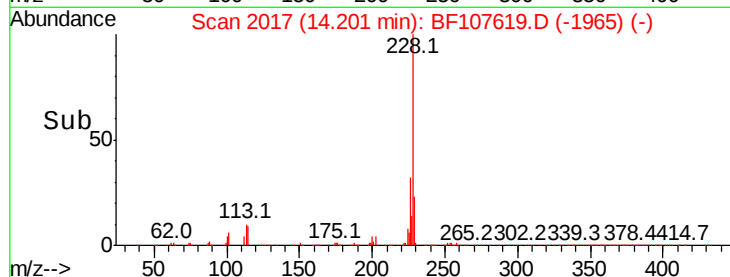
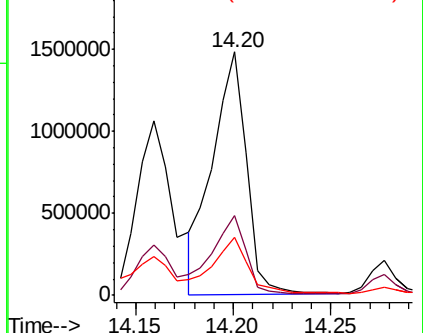
7/25/2018 12:58:08 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 55.501 ng

RT: 14.12 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF107619.D

Acq: 24 Jul 2018 15:24

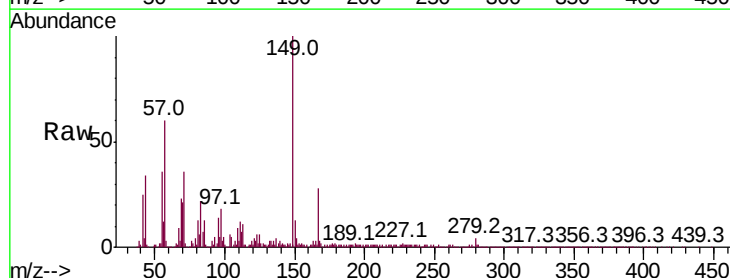
Tgt Ion:149 Resp: 903744

Ion Ratio Lower Upper

149 100

167 27.8 21.3 31.9

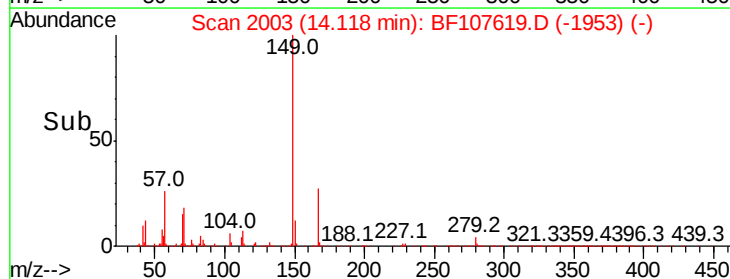
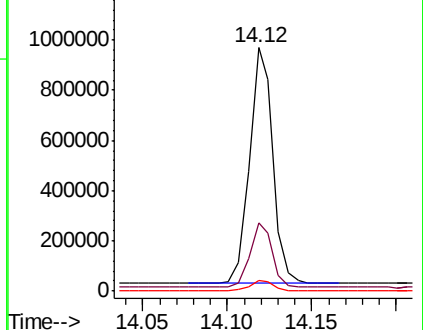
279 4.1 3.0 4.4

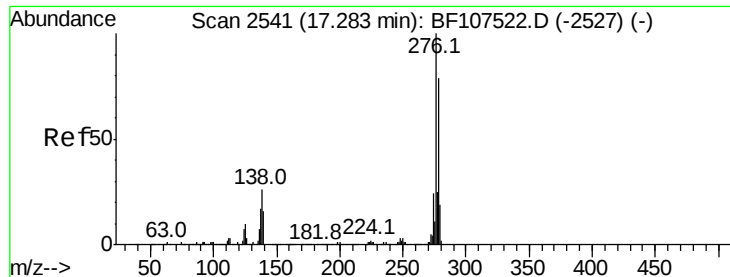


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





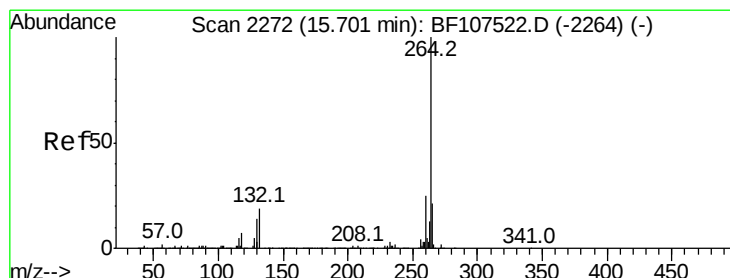
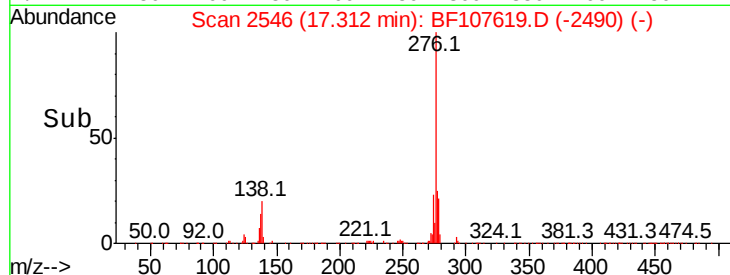
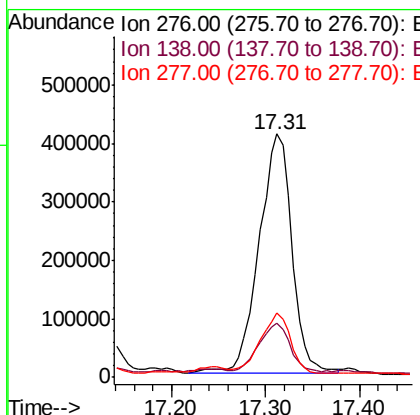
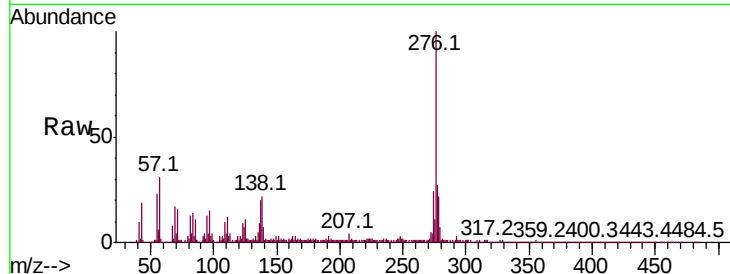
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.470 ng
RT: 17.31 min Scan# 2546
Delta R.T. 0.03 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampled :
DW-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	25.0	37.6#
277	23.7	20.1	30.1

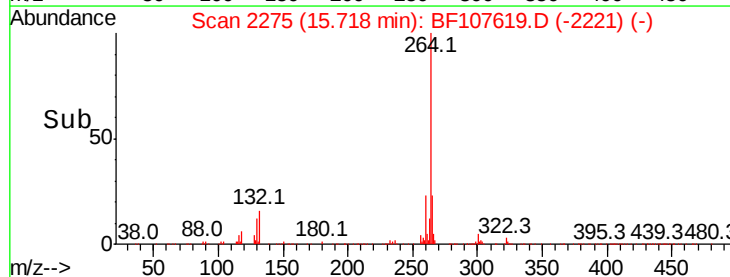
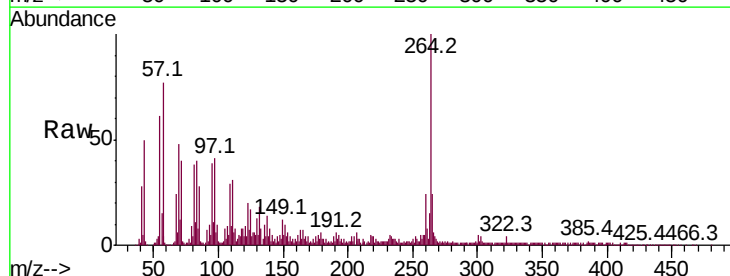
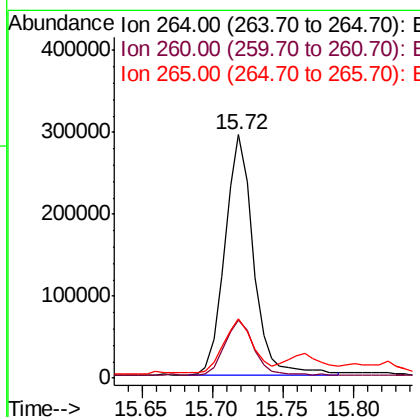
Manual Integrations
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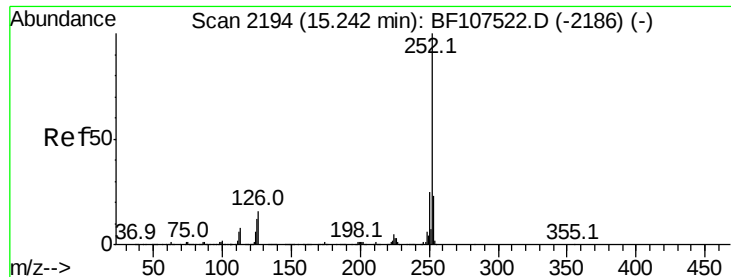
Sohil
7/25/2018 12:58:08 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	24.4	17.5	26.3





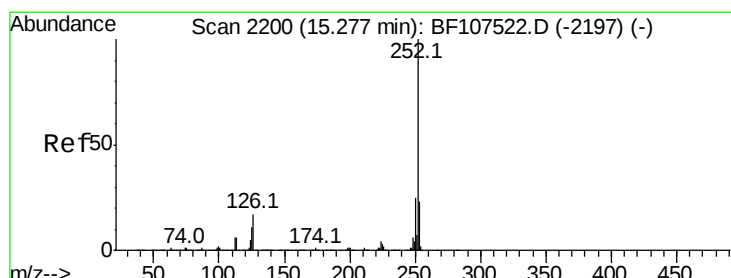
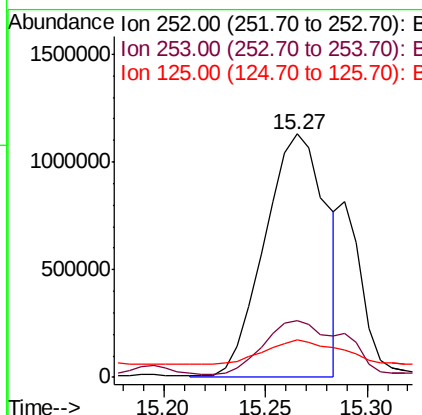
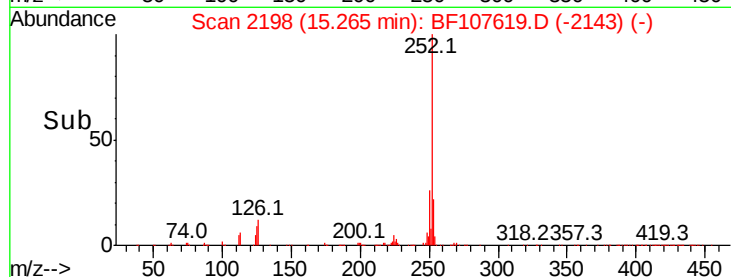
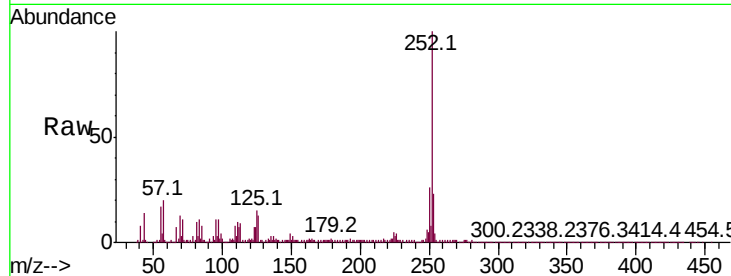
#87
Benzo(b)fluoranthene
Concen: 104.915 ng m
RT: 15.27 min Scan# 2198
Delta R.T. 0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampled :
DW-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.3	9.0	13.6

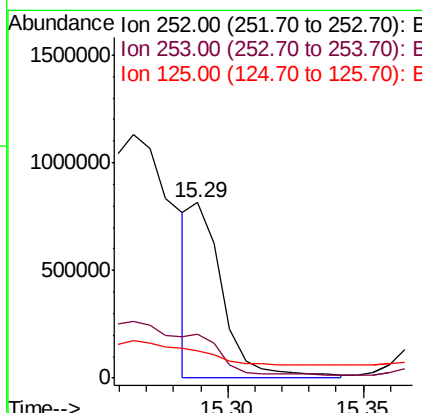
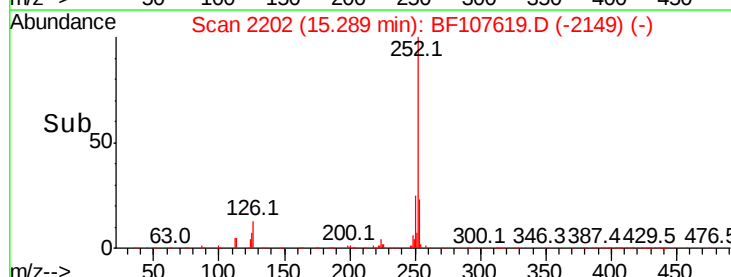
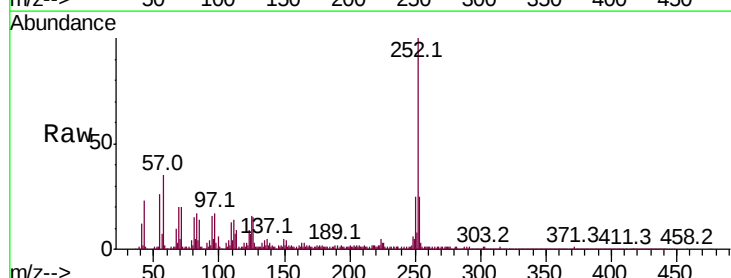
Manual Integrations
APPROVED

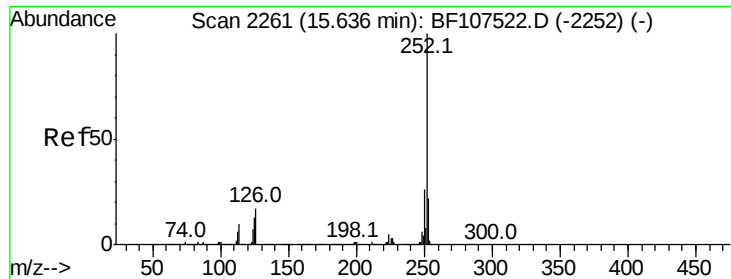
Sohil
7/25/2018 12:58:08 PM



#88
Benzo(k)fluoranthene
Concen: 30.056 ng m
RT: 15.29 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	15.7	10.2	15.2





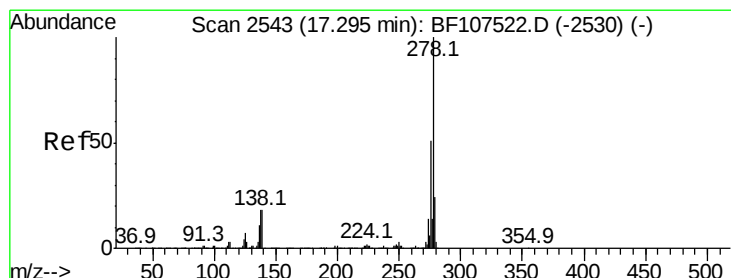
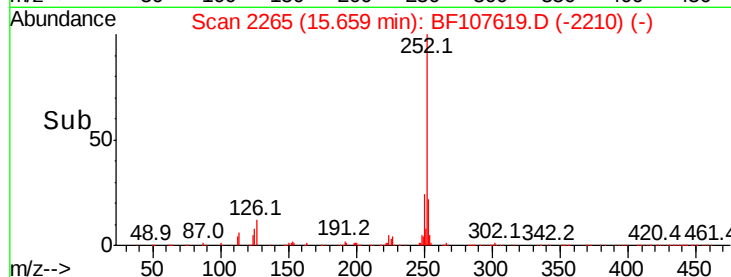
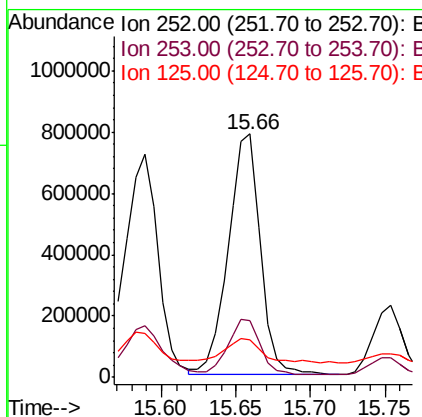
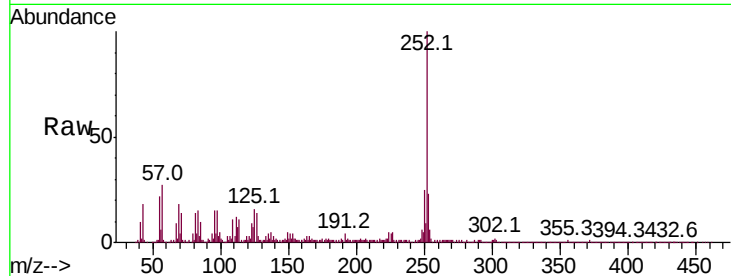
#89
Benzo(a)pyrene
Concen: 57.178 ng
RT: 15.66 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampleId :
DW-6

Tot Ion:252 Resp: 1190736
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 15.5 9.8 14.6#

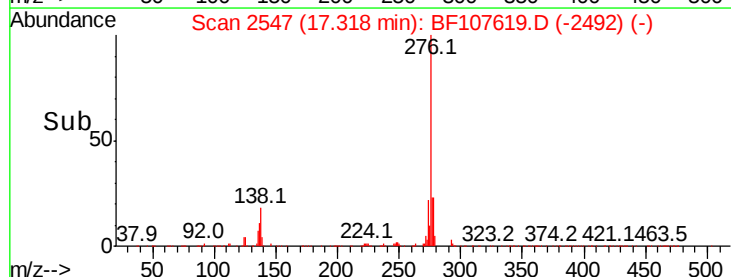
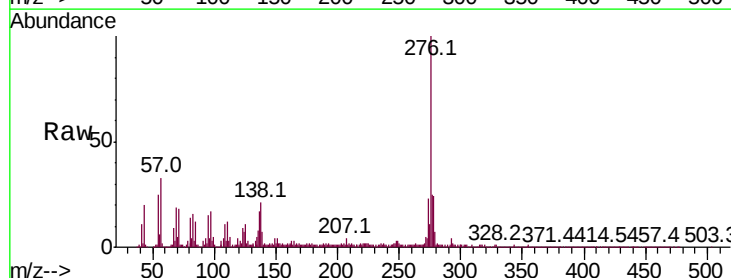
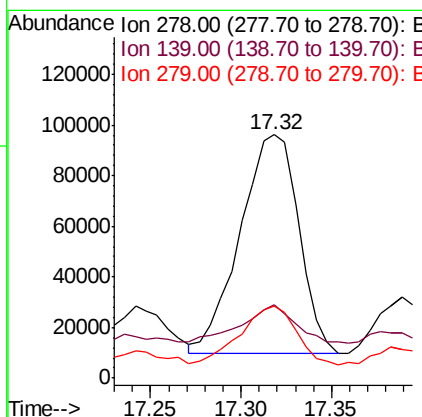
Manual Integrations
APPROVED

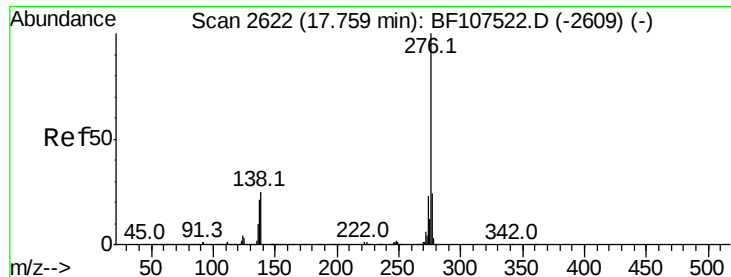
Sohil
7/25/2018 12:58:08 PM



#90
Dibenzo(a,h)anthracene
Concen: 10.794 ng
RT: 17.32 min Scan# 2547
Delta R.T. 0.02 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Tgt Ion:278 Resp: 194304
Ion Ratio Lower Upper
278 100
139 30.2 15.9 23.9#
279 29.8 19.0 28.4#





#91
Benzo(a,h,i)perylene
Concen: 52.493 ng
RT: 17.80 min Scan# 2629
Delta R.T. 0.04 min
Lab File: BF107619.D
Acq: 24 Jul 2018 15:24

Instrument :
BNA_F
ClientSampleId :
DW-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	22.2	21.8	32.8

Manual Integrations
APPROVED

Sohil
7/25/2018 12:58:08 PM

