

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107585.D
 Acq On : 23 Jul 2018 13:57
 Operator : JU/SJ
 Sample : J4062-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

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 7/24/2018 5:25:42 PM

Quant Time: Jul 24 11:21:21 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	331137	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1278439	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	543616	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	943682	20.00	ng	0.00
75) Chrysene-d12	14.16	240	731802	20.00	ng	0.00
86) Perylene-d12	15.69	264	754269	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1865353	90.57	ng	0.00
7) Phenol-d6	6.61	99	2257518	91.29	ng	0.00
23) Nitrobenzene-d5	7.54	82	1448910	76.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	587104	94.97	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2388125	72.13	ng	0.00
78) Terphenyl-d14	13.09	244	1856802	64.96	ng	0.00
Target Compounds						
10) Phenol	6.62	94	92840	3.192	ng	Qvalue # 65
49) Dimethylphthalate	9.72	163	128267	3.131	ng	99
70) Phenanthrene	11.54	178	217799	4.736	ng	97
71) Anthracene	11.59	178	96715	2.089	ng	99
74) Fluoranthene	12.73	202	429639	8.707	ng	95
77) Pyrene	12.96	202	365789	7.308	ng	97
80) Benzo(a)anthracene	14.15	228	212086	4.945	ng	97
82) Chrysene	14.18	228	199637	4.846	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	76634	2.195	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	220659m	5.345	ng	
88) Benzo(k)fluoranthene	15.27	252	100092m	2.475	ng	
89) Benzo(a)pyrene	15.63	252	158679	4.202	ng	97
91) Benzo(a,h,i)perylene	17.75	276	71536	2.222	ng	# 87

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

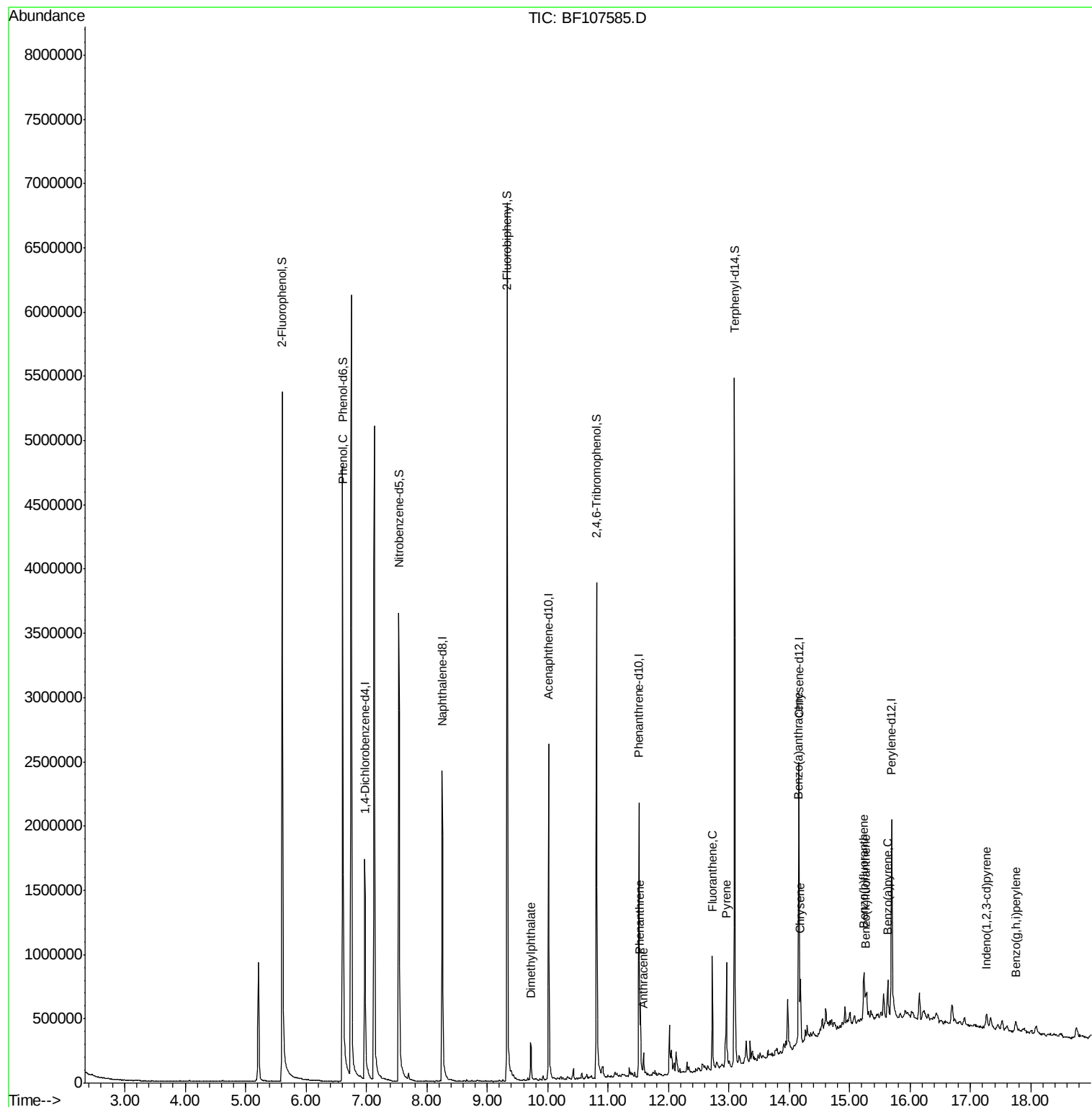
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107585.D
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Sample : J4062-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

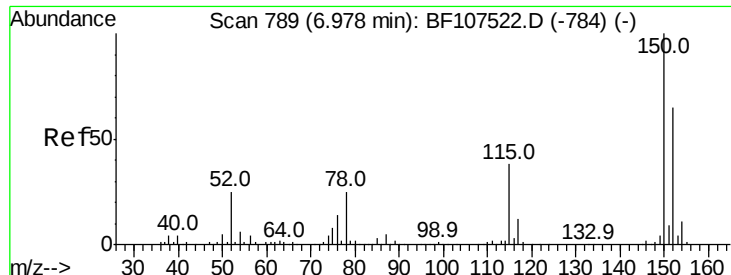
Instrument :
BNA_F
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TP-4

Quant Time: Jul 24 11:21:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
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#1

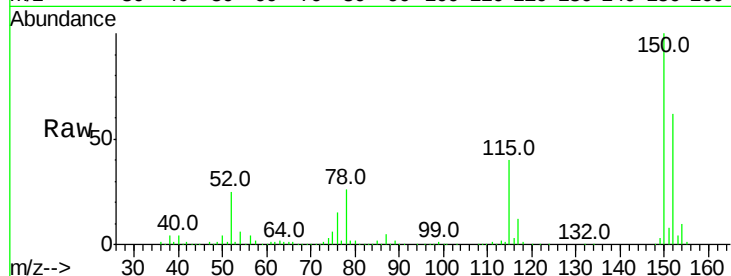
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.6	186.8
115	64.4	50.1	75.1

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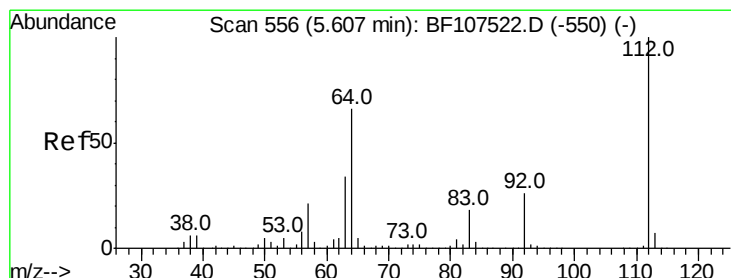
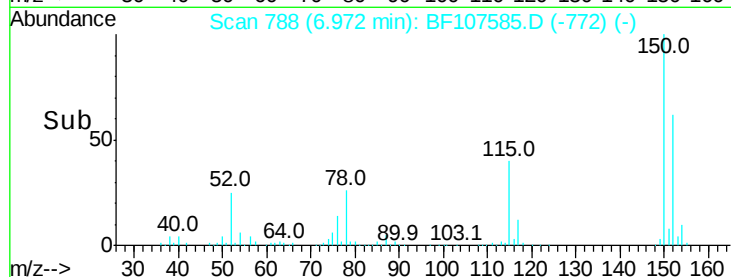
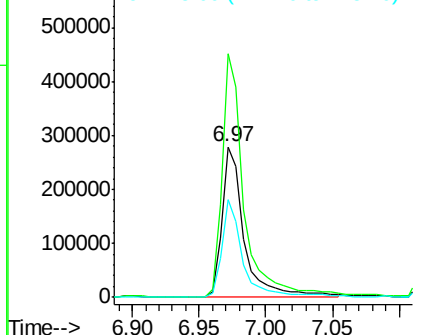


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

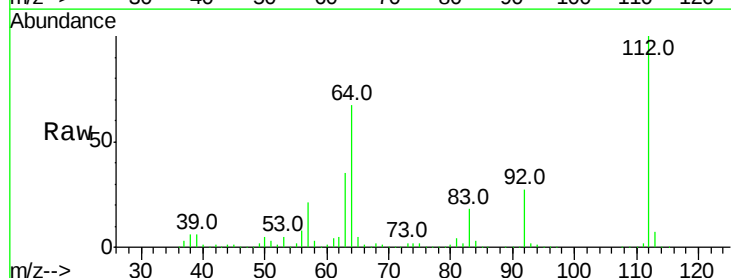
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.571 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	34.7	23.7	35.5

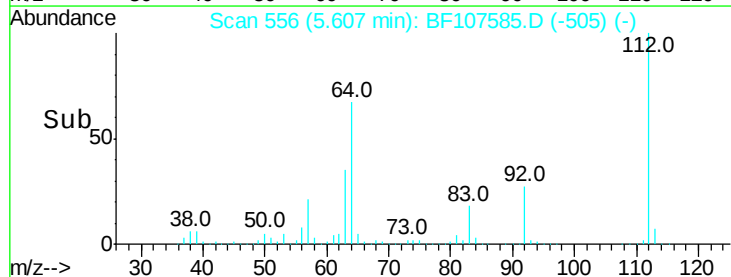
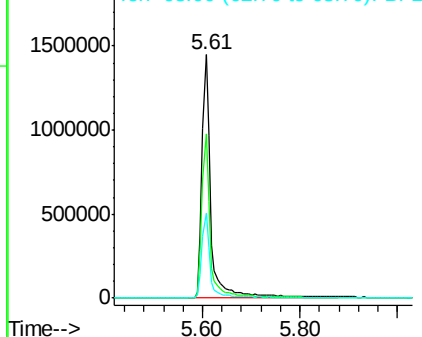


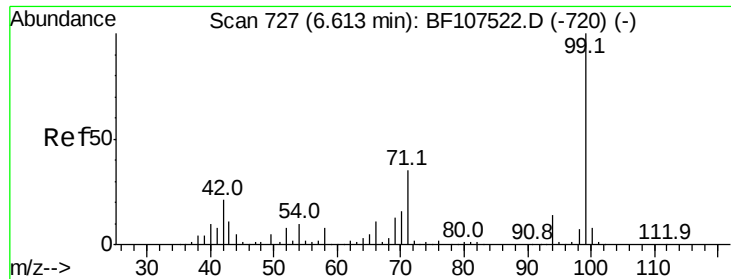
Abundance

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: 91.287 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107585.D

Acq: 23 Jul 2018 13:57

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion: 99 Resp: 2257518

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

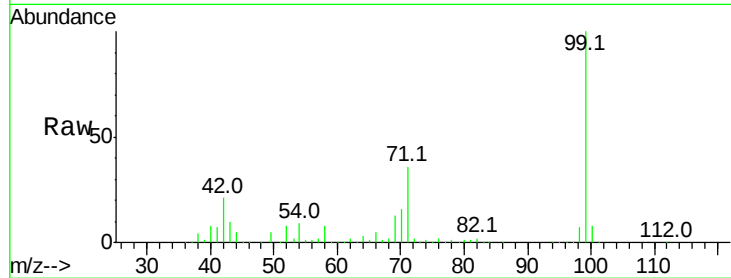
71 35.8 25.4 38.0

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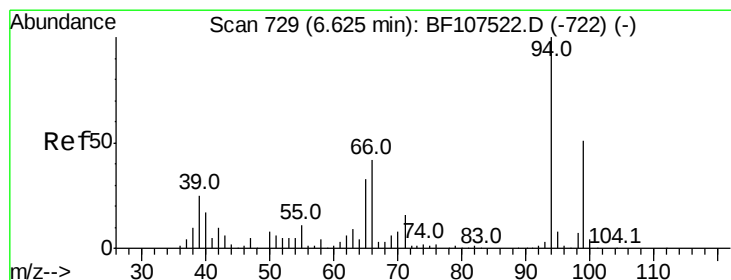
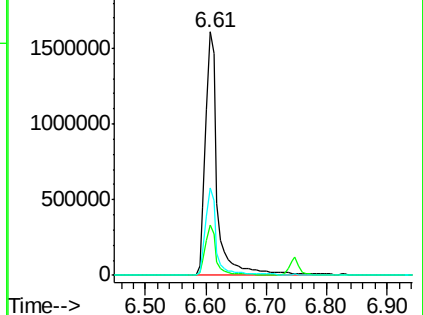
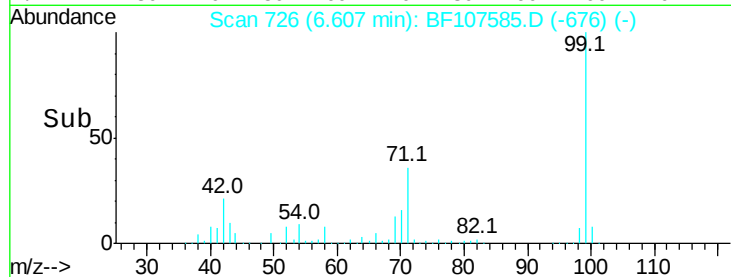
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.192 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107585.D

Acq: 23 Jul 2018 13:57

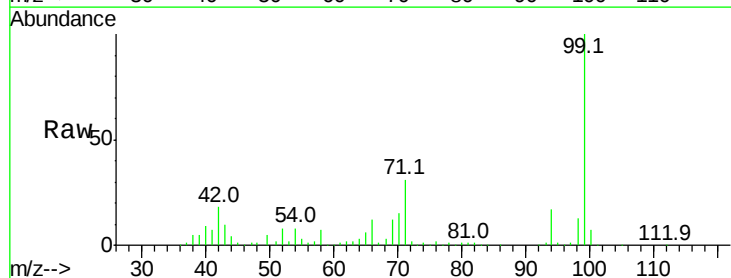
Tgt Ion: 94 Resp: 92840

Ion Ratio Lower Upper

94 100

65 34.6 7.9 47.9

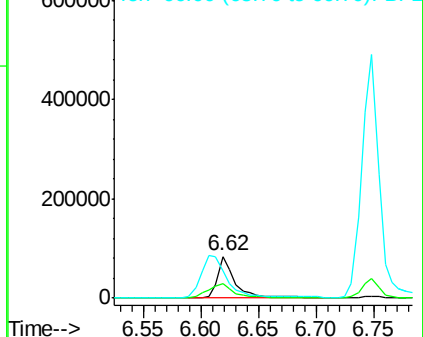
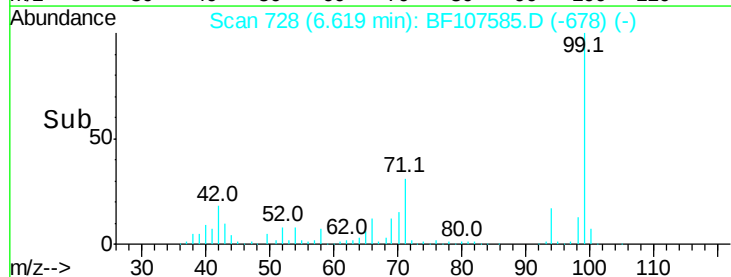
66 66.6 16.2 56.2#

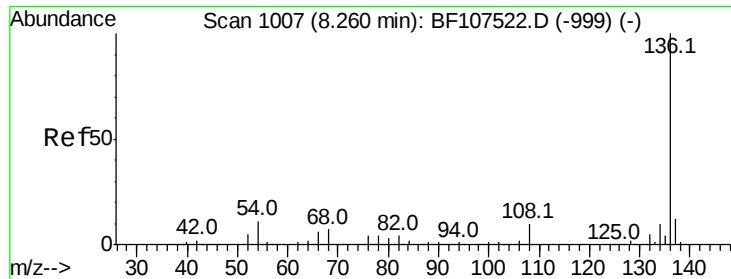


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





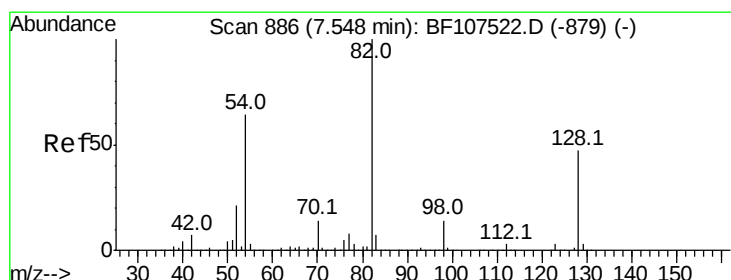
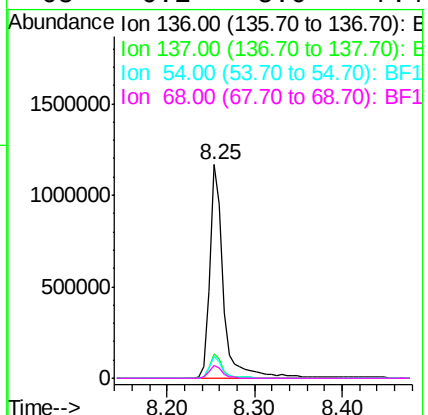
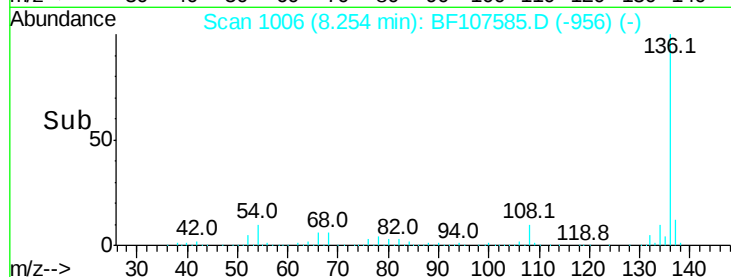
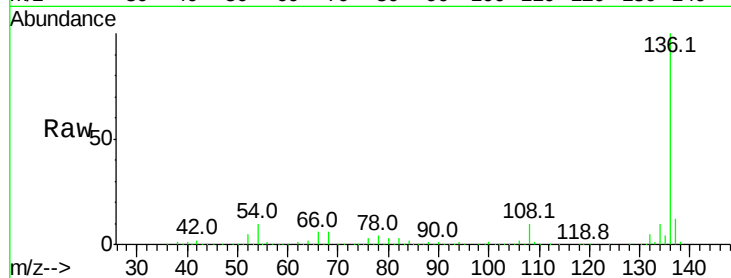
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	10.4	6.6	9.8
68	6.1	5.0	7.4

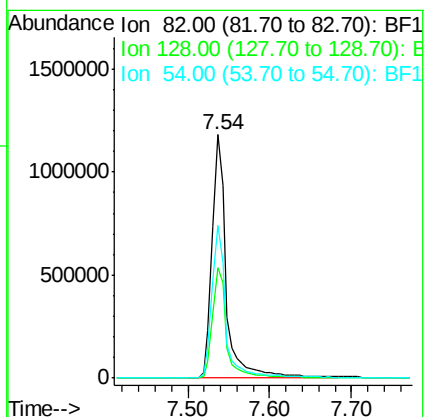
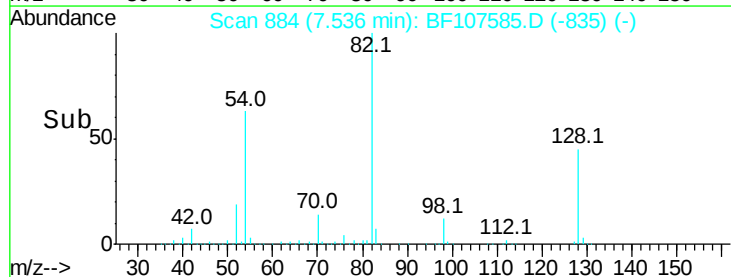
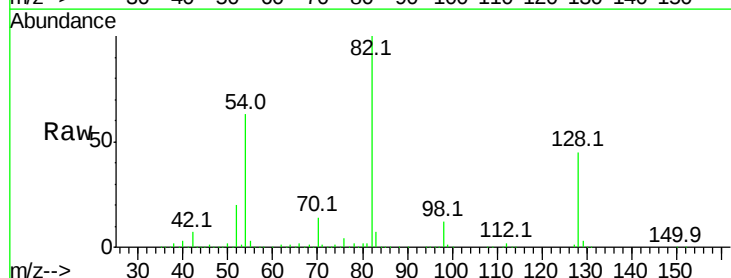
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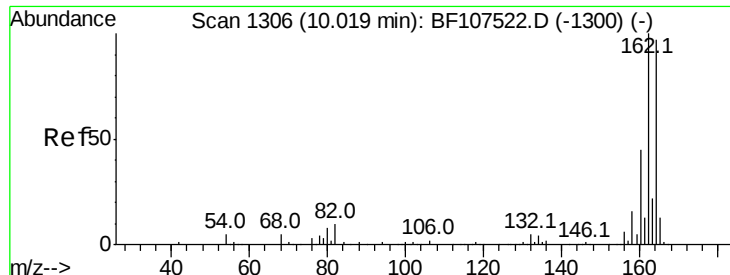
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#23
Nitrobenzene-d5
Concen: 76.487 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	62.7	41.4	62.2





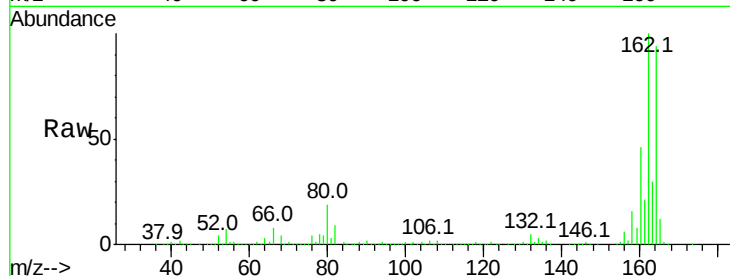
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF107585.D
 Acq: 23 Jul 2018 13:57

Instrument :
 BNA_F
 ClientSampled :
 TP-4

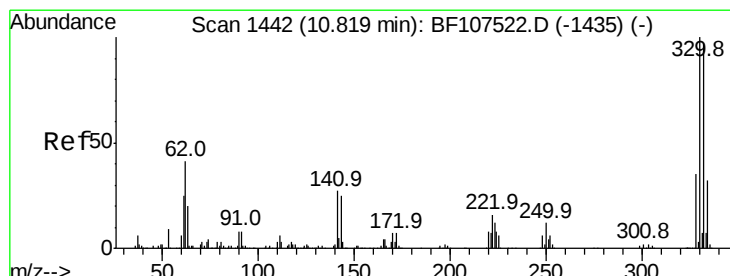
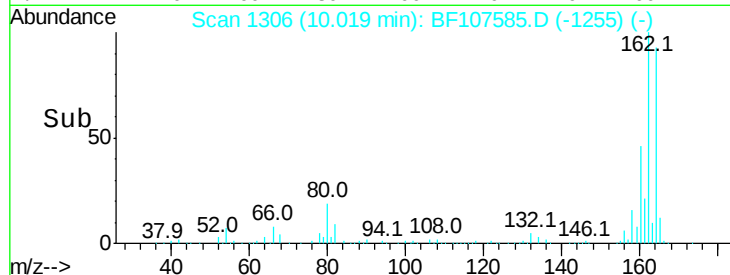
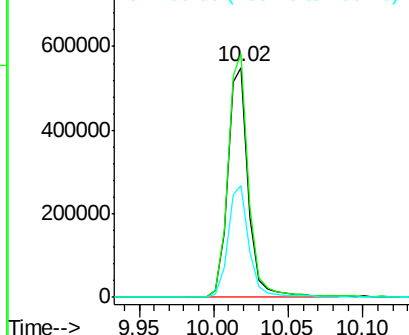
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	48.8	38.3	57.5

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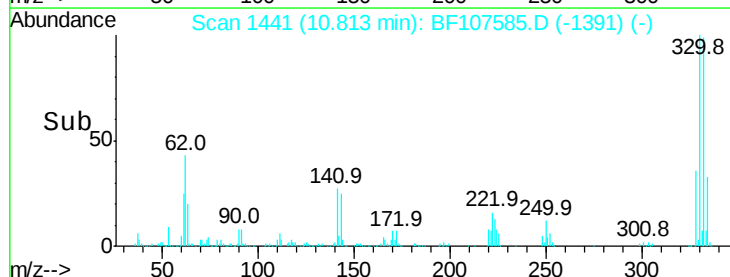
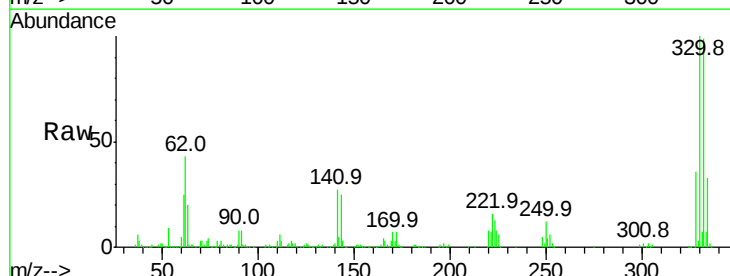
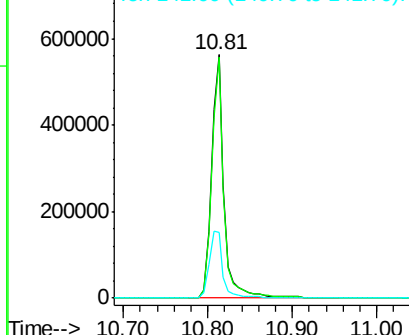
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

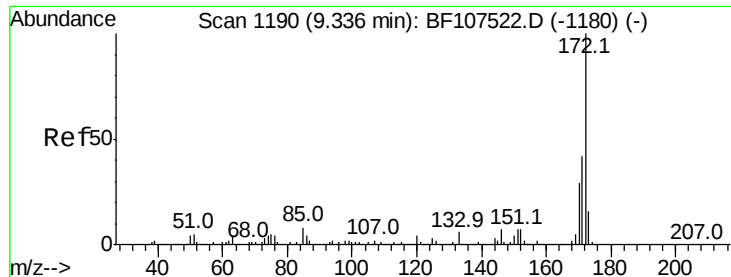


#41
 2,4,6-Tribromophenol
 Concen: 94.974 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107585.D
 Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	30.3	29.9	44.9

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: 72.129 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107585.D

Acq: 23 Jul 2018 13:57

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion:172 Resp: 2388125

Ion Ratio Lower Upper

172 100

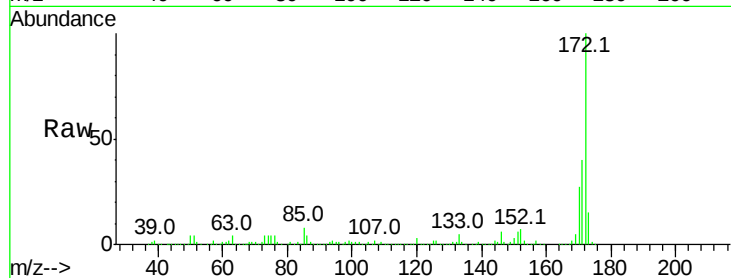
171 39.5 29.7 44.5

170 26.5 19.6 29.4

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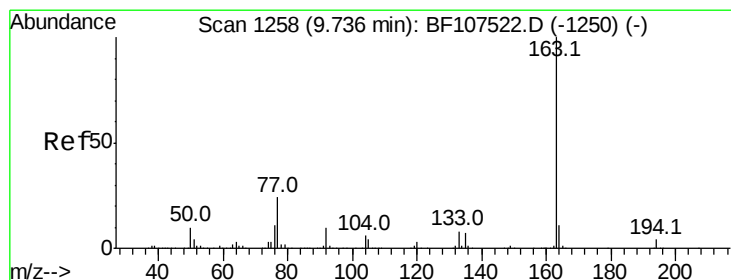
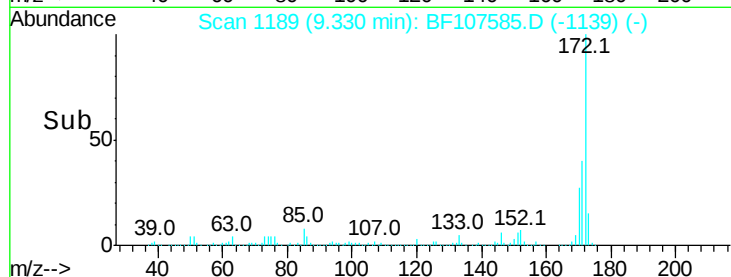
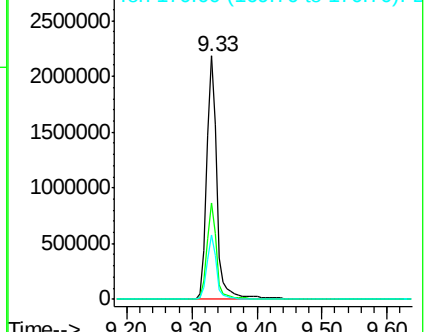
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 3.131 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107585.D

Acq: 23 Jul 2018 13:57

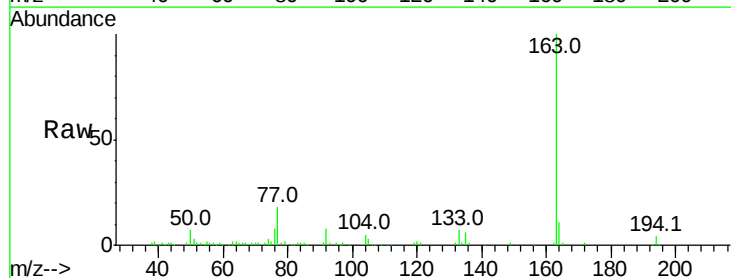
Tgt Ion:163 Resp: 128267

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

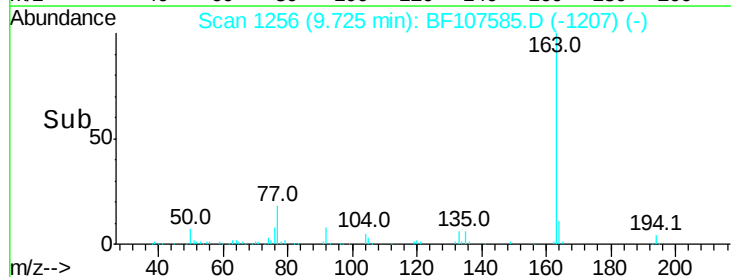
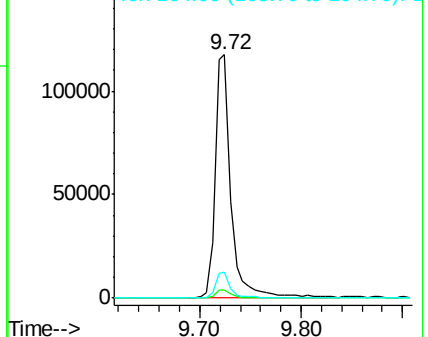
164 10.5 8.2 12.2

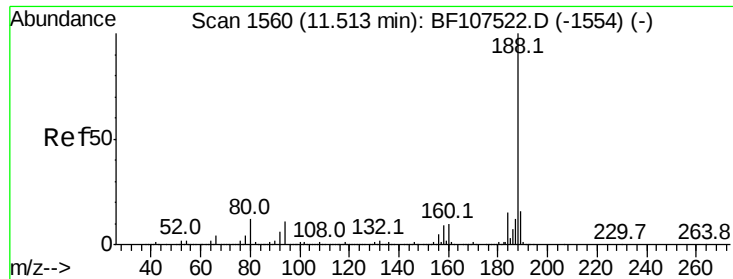


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





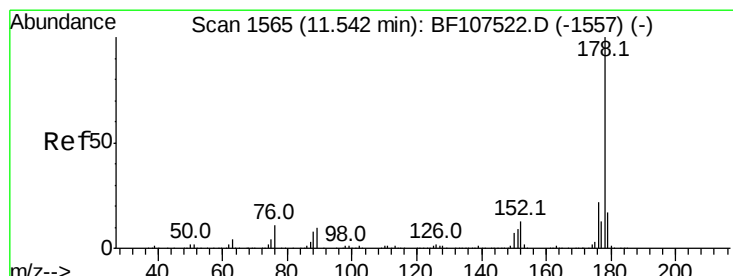
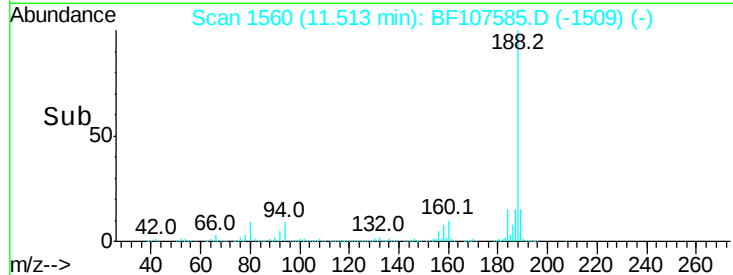
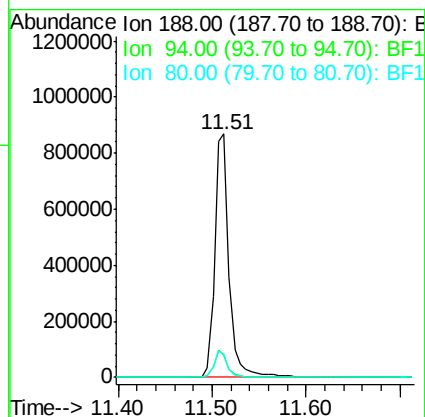
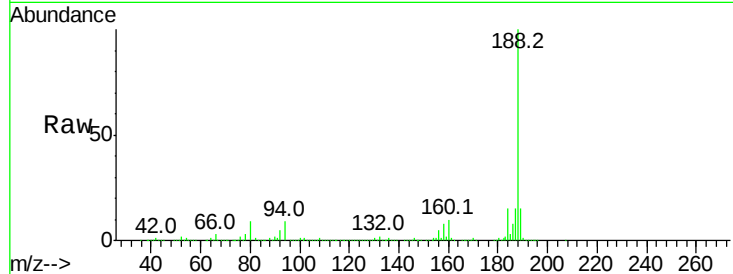
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion:188	Resp: 943682
Ion Ratio	Lower Upper
188 100	
94 9.0	8.5 12.7
80 9.4	9.2 13.8

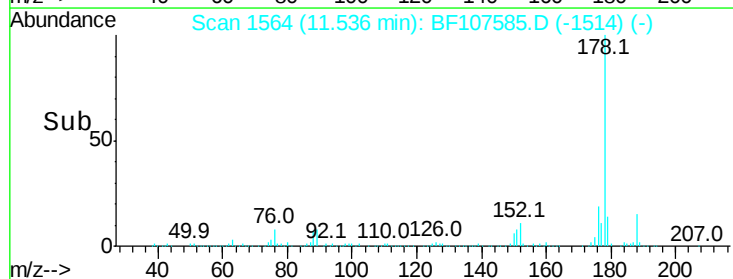
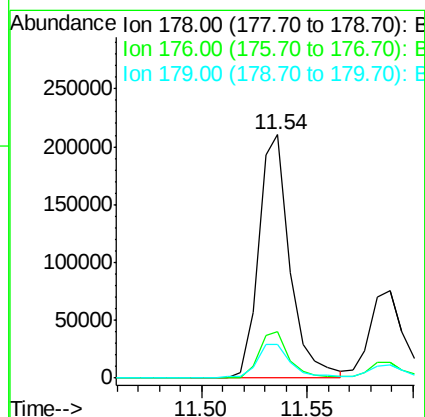
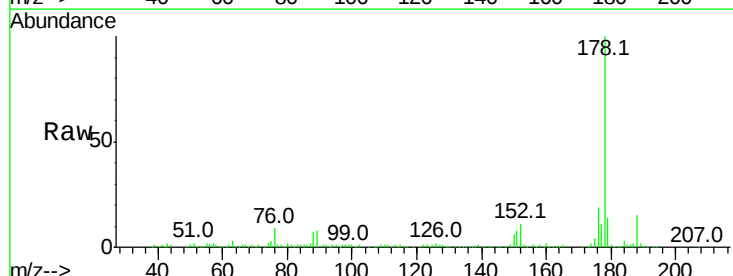
Manual Integrations
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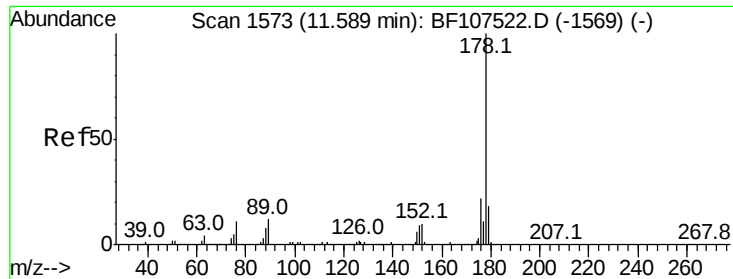
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#70
Phenanthrene
Concen: 4.736 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion:178	Resp: 217799
Ion Ratio	Lower Upper
178 100	
176 19.1	15.8 23.8
179 13.9	13.0 19.6





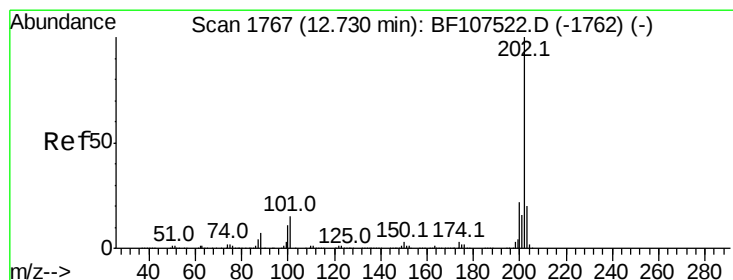
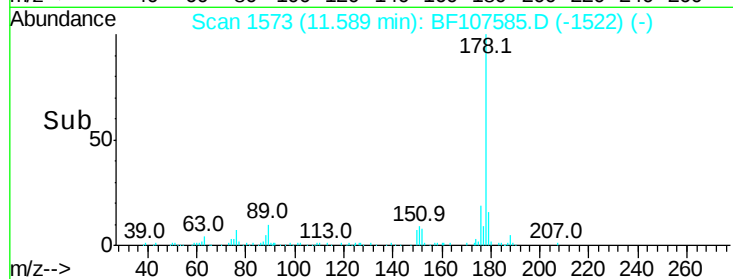
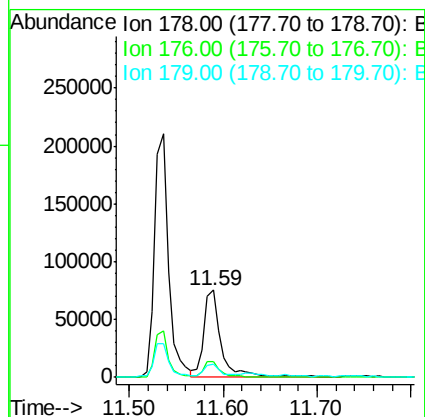
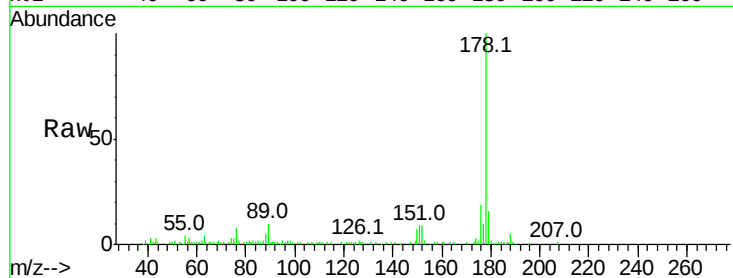
#71
 Anthracene
 Concen: 2.089 ng
 RT: 11.59 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF107585.D
 Acq: 23 Jul 2018 13:57

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.8	12.6	19.0

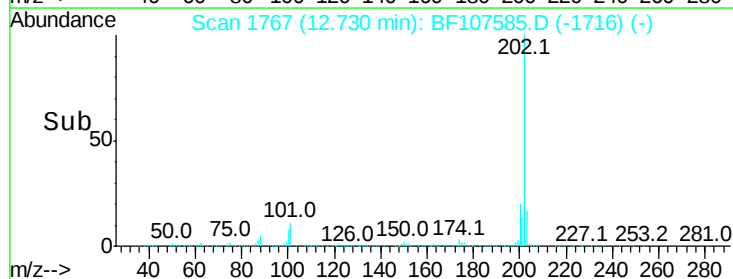
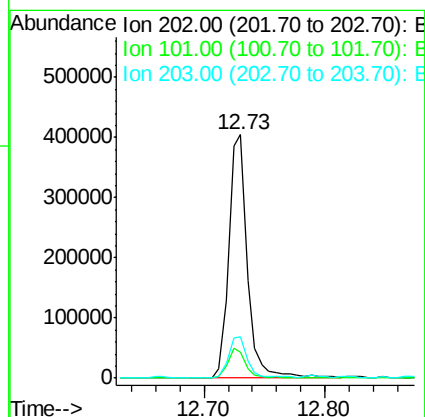
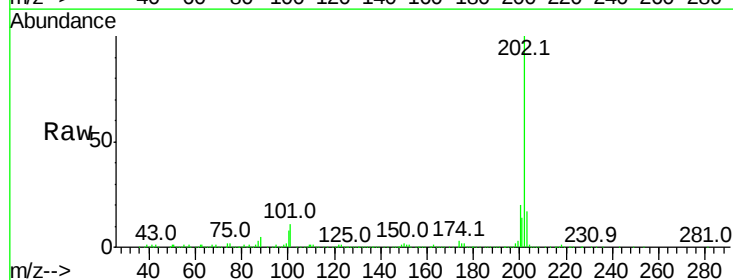
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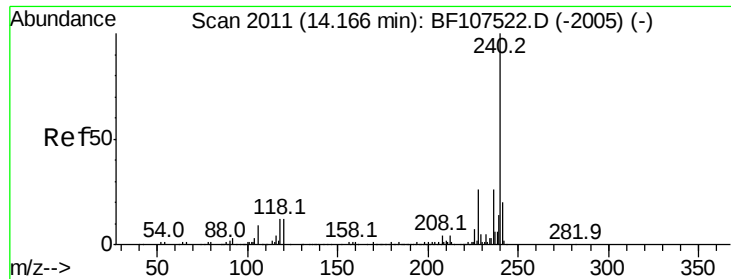
Sohil
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#74
 Fluoranthene
 Concen: 8.707 ng
 RT: 12.73 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: BF107585.D
 Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.2	0.0	38.1





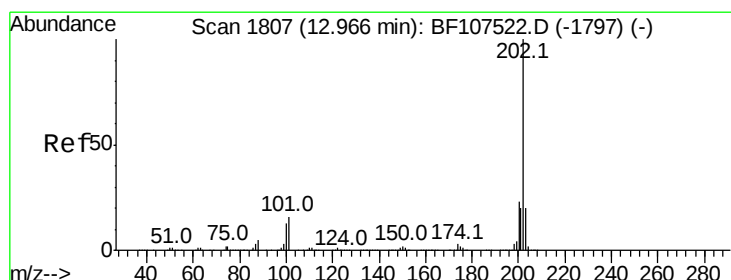
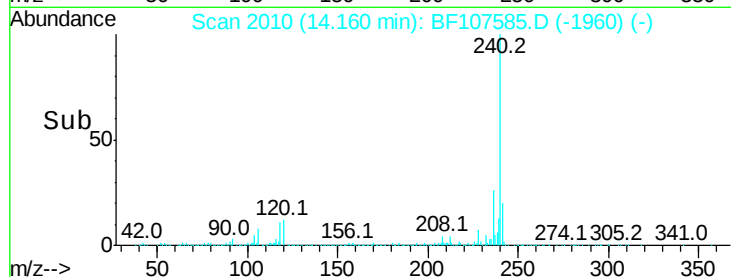
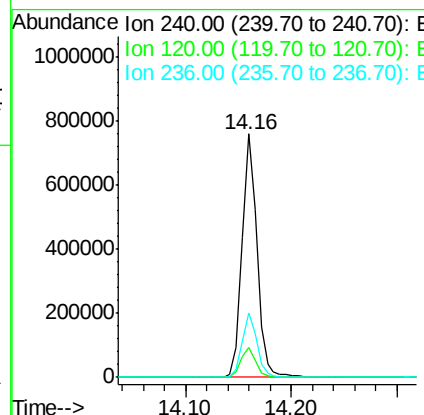
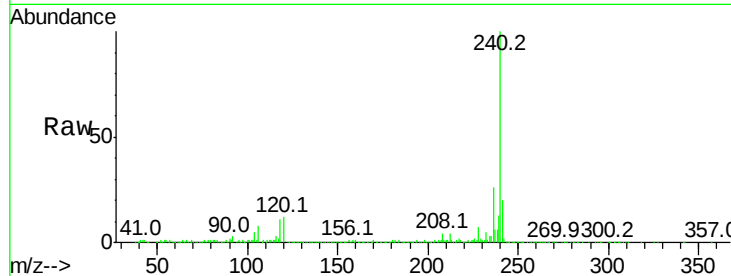
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.4	20.7	31.1

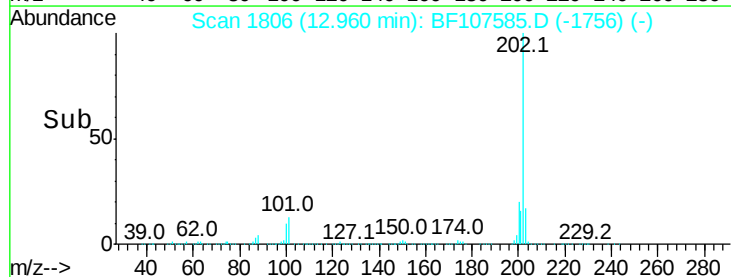
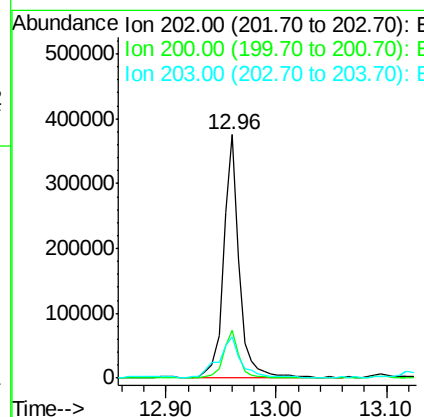
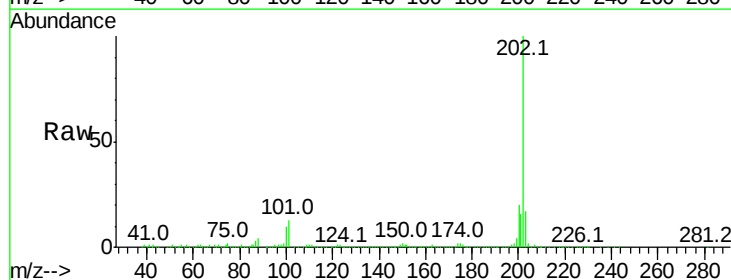
Manual Integrations
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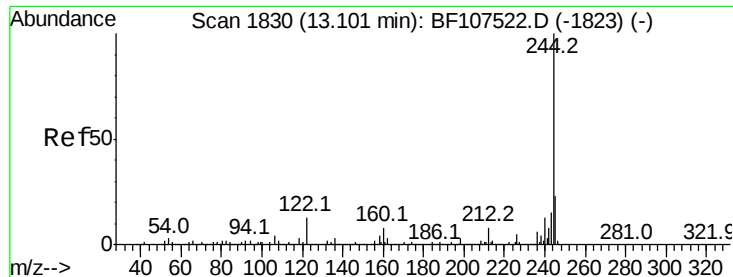
Sohil
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#77
Pyrene
Concen: 7.308 ng
RT: 12.96 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 64.957 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107585.D

Acq: 23 Jul 2018 13:57

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion:244 Resp: 1856802

Ion Ratio Lower Upper

244 100

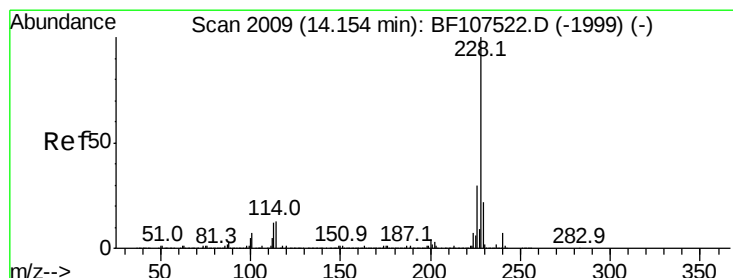
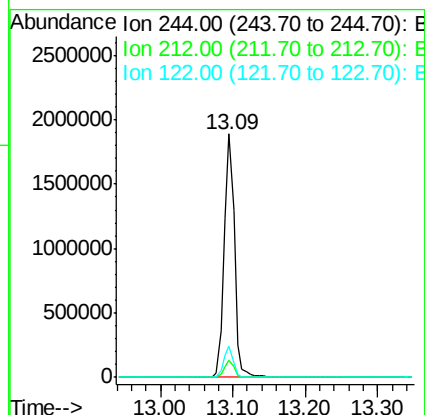
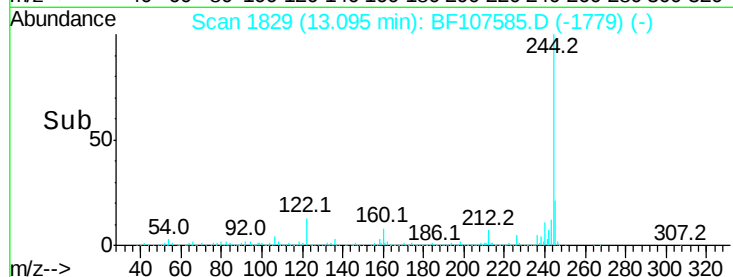
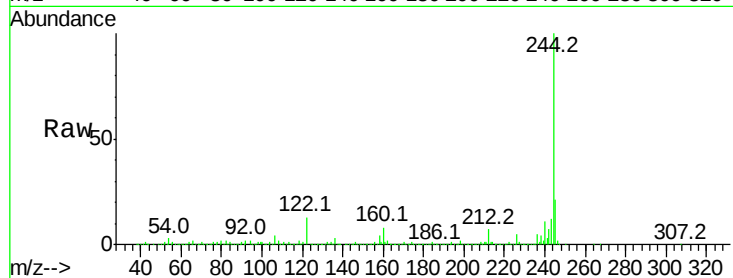
212 7.2 5.4 8.0

122 12.6 11.0 16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 4.945 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107585.D

Acq: 23 Jul 2018 13:57

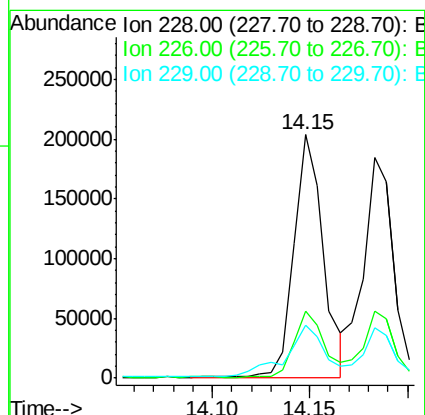
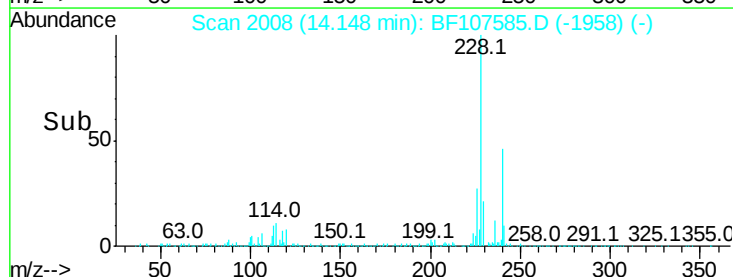
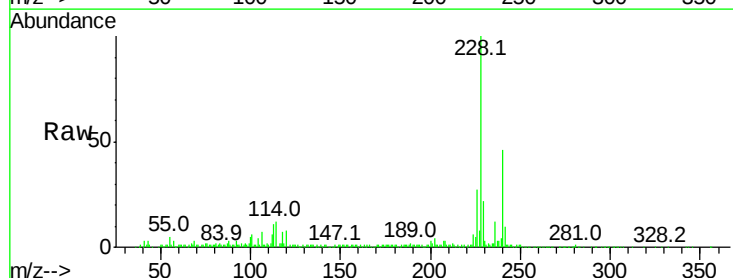
Tgt Ion:228 Resp: 212086

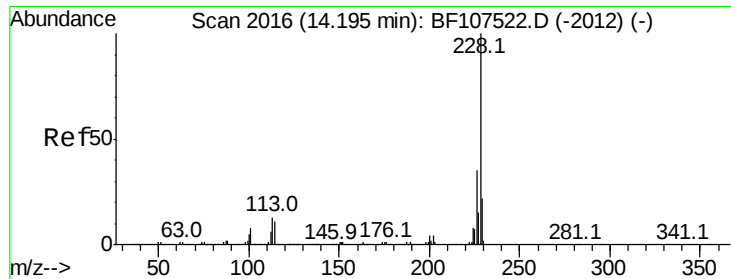
Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

229 21.7 15.8 23.6





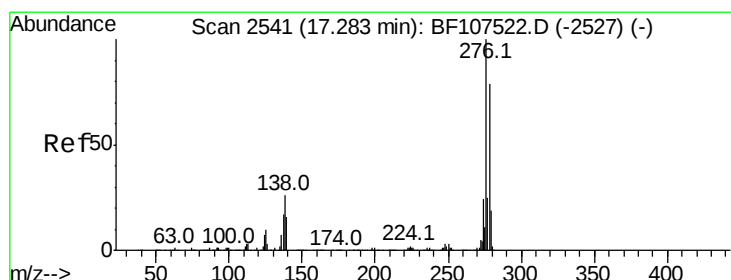
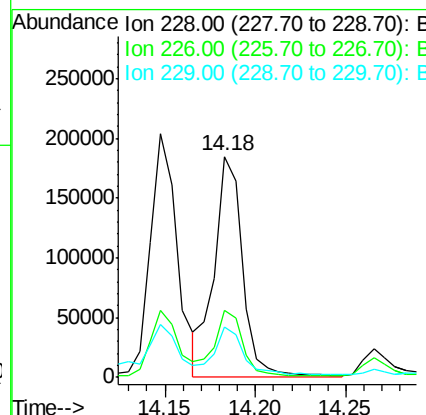
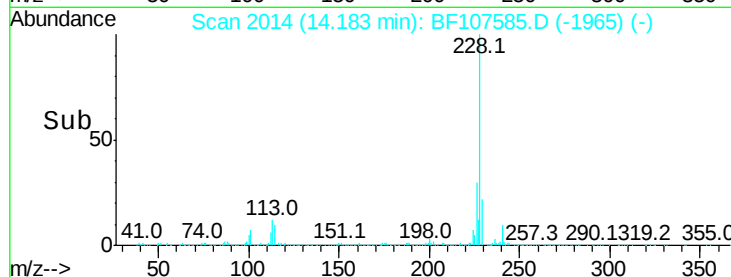
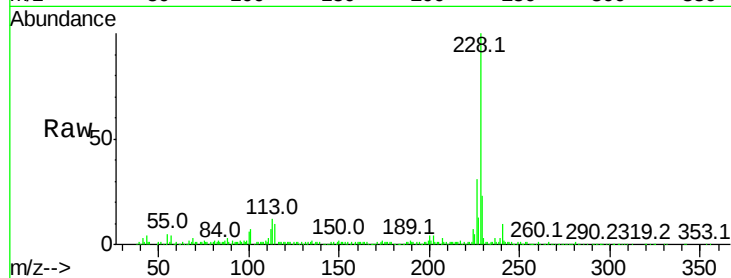
#82
Chrysene
Concen: 4.846 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion:	228	Resp:	199637
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.6	16.2	24.4

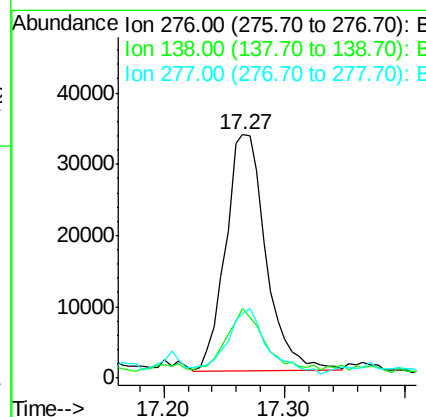
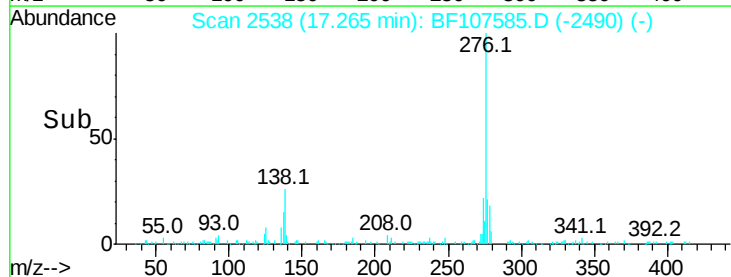
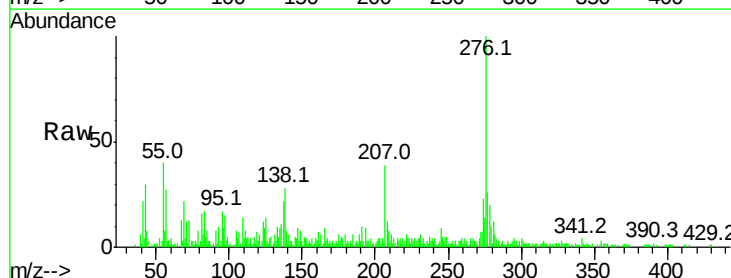
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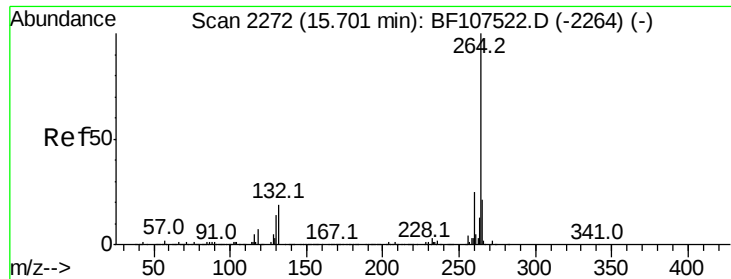
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.195 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion:	276	Resp:	76634
Ion Ratio	Lower	Upper	
276	100		
138	24.5	25.0	37.6#
277	27.5	20.1	30.1





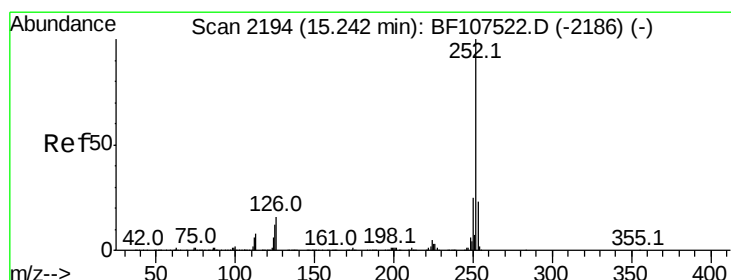
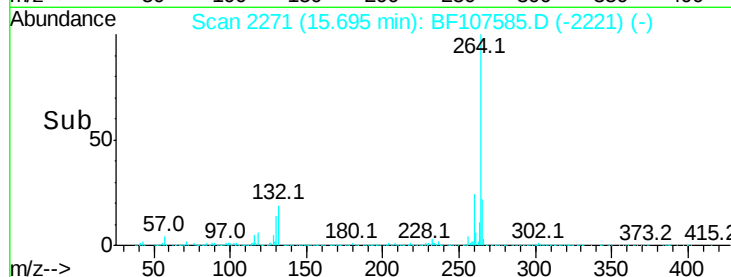
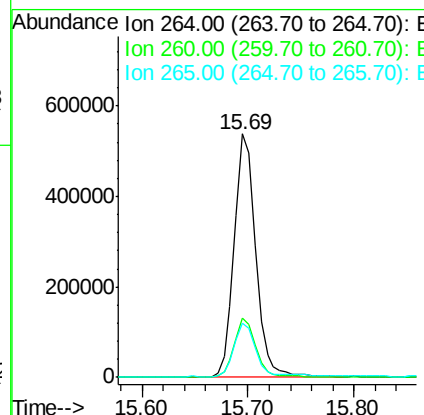
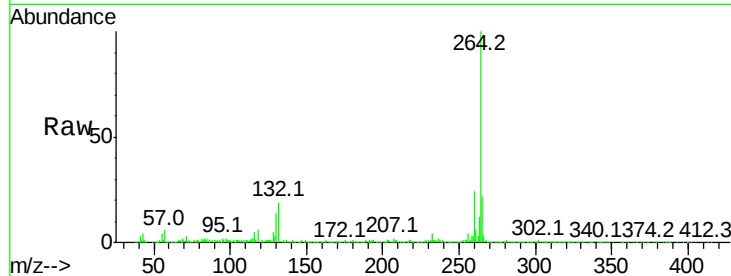
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.4	17.5	26.3

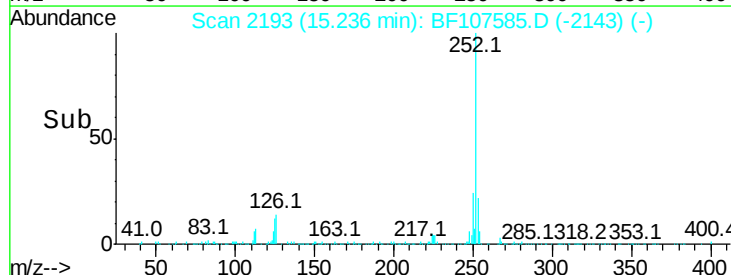
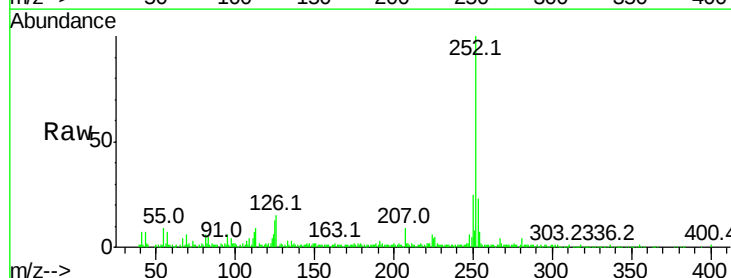
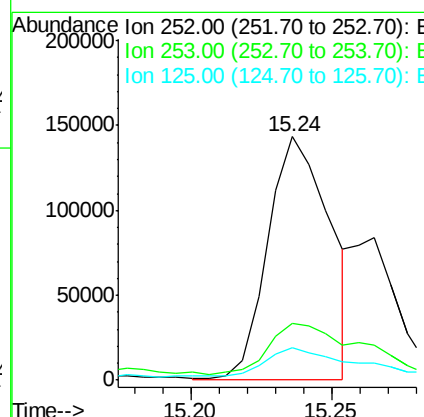
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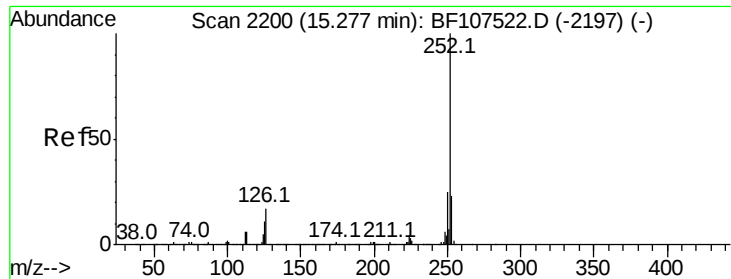
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#87
Benzo(b)fluoranthene
Concen: 5.345 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	13.5	9.0	13.6





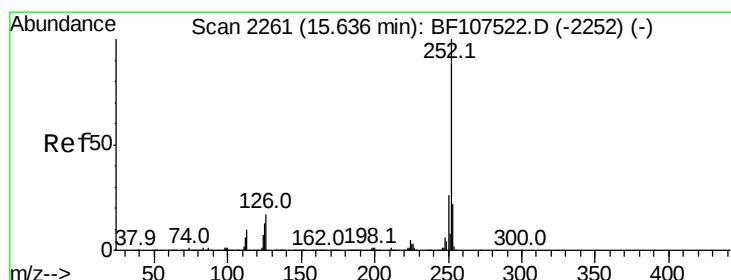
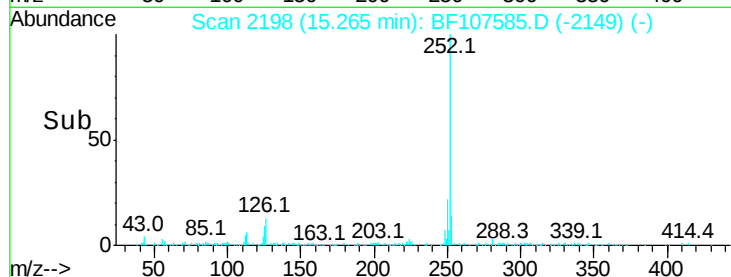
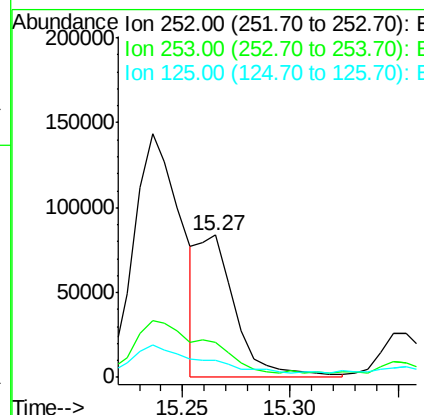
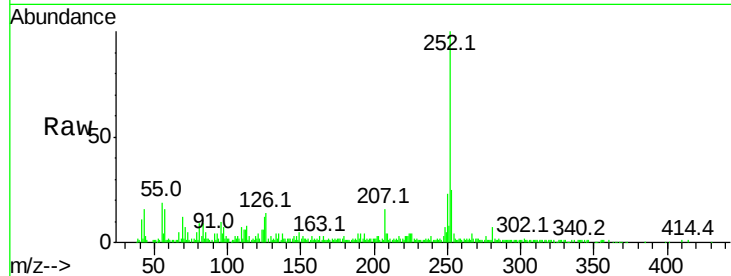
#88
Benzo(k)fluoranthene
Concen: 2.475 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	11.8	10.2	15.2

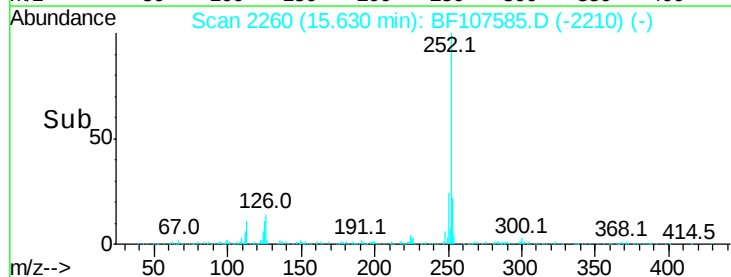
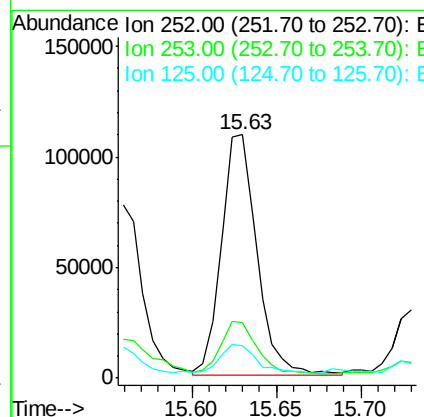
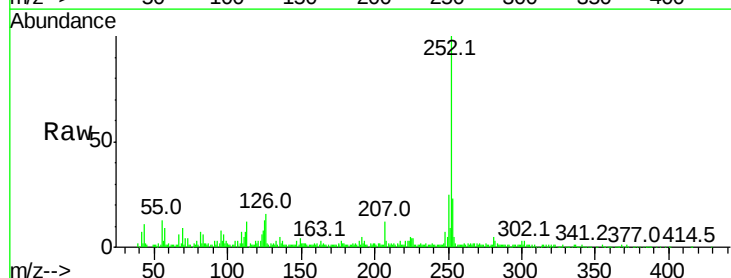
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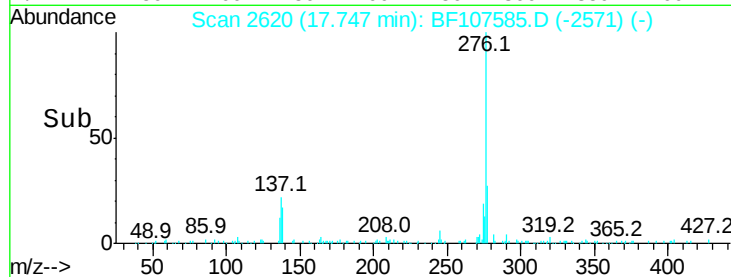
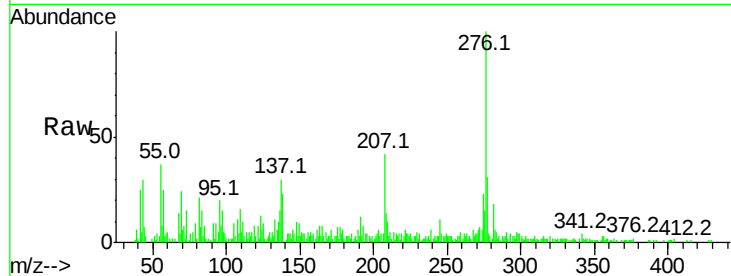
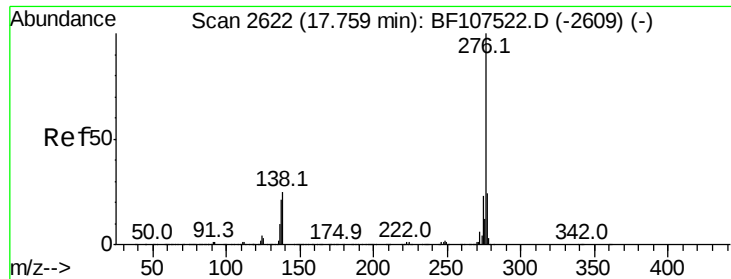
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#89
Benzo(a)pyrene
Concen: 4.202 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.5	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 2.222 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107585.D
Acq: 23 Jul 2018 13:57

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.1	17.9	26.9#
138	22.5	21.8	32.8

Manual Integrations
APPROVED

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