

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107646.D
 Acq On : 25 Jul 2018 5:20
 Operator : JU/SJ
 Sample : J4096-02DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-4DL

Manual Integrations
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Quant Time: Jul 25 08:51:14 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	234998	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	912021	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	346976	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	571520	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	428829	20.00	ng	-0.01
86) Perylene-d12	15.69	264	394974	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	599922	41.05	ng	-0.01
7) Phenol-d6	6.60	99	797884	45.46	ng	-0.02
23) Nitrobenzene-d5	7.53	82	464048	34.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	143206	36.29	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	799398	31.93	ng	-0.02
78) Terphenyl-d14	13.08	244	604513	36.09	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.71	163	55525	2.123	ng	98
57) Fluorene	10.56	166	70452	3.085	ng	97
70) Phenanthrene	11.53	178	1380344	49.563	ng	99
71) Anthracene	11.58	178	617779	22.031	ng	99
74) Fluoranthene	12.72	202	2236348	74.831	ng	97
77) Pyrene	12.96	202	1854709	63.231	ng	98
80) Benzo(a)anthracene	14.15	228	745087	29.649	ng	98
82) Chrysene	14.18	228	784521	32.499	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	135525	7.614	ng	100
85) Indeno(1,2,3-cd)pyrene	17.26	276	395243	19.318	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	1004755m	46.481	ng	
88) Benzo(k)fluoranthene	15.26	252	279820m	13.213	ng	
89) Benzo(a)pyrene	15.62	252	614195	31.062	ng	98
90) Dibenzo(a,h)anthracene	17.27	278	75727	4.430	ng	99
91) Benzo(a,h,i)perylene	17.74	276	355531	21.087	ng	93

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

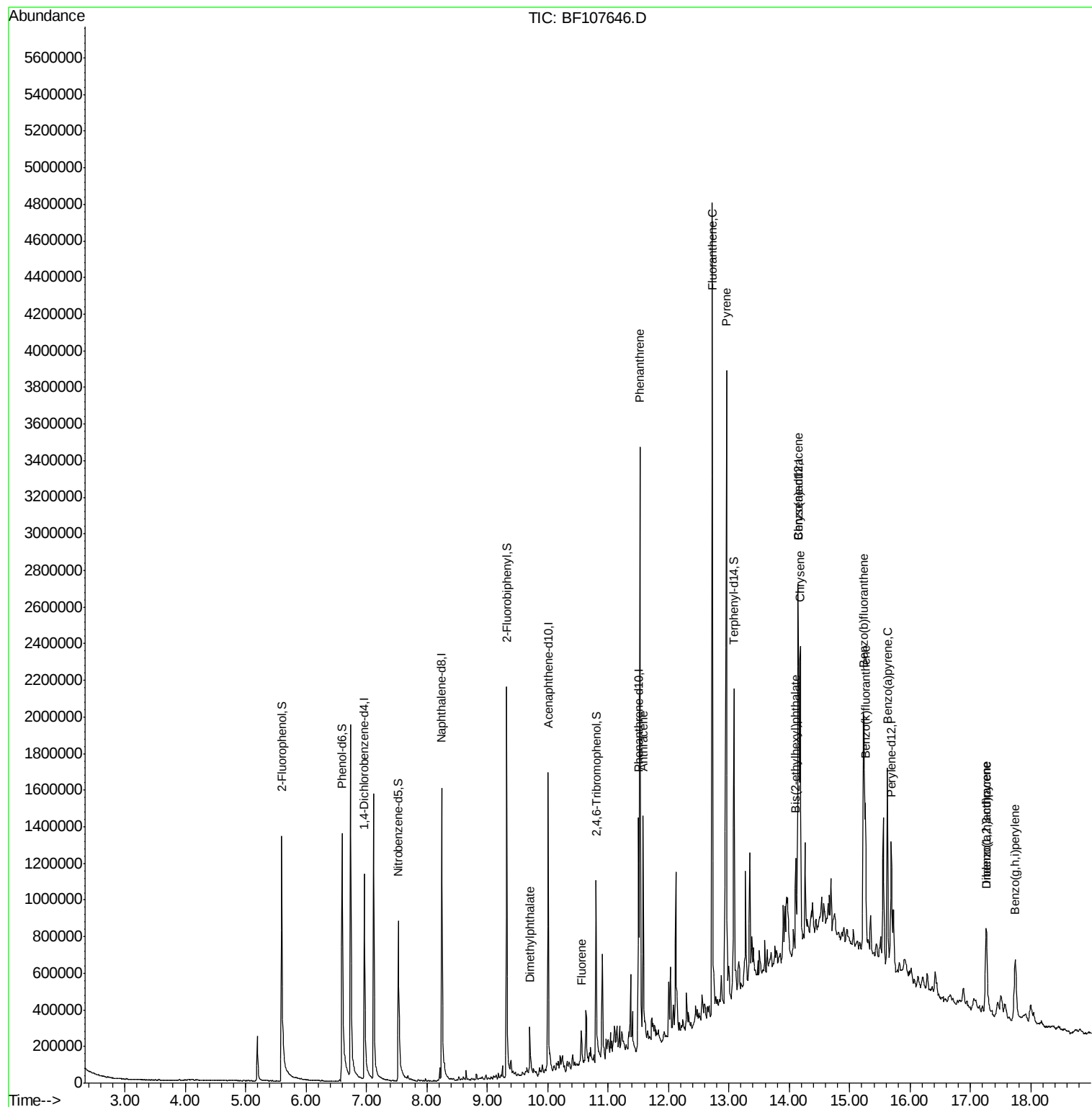
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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ALS Vial : 33 Sample Multiplier: 1

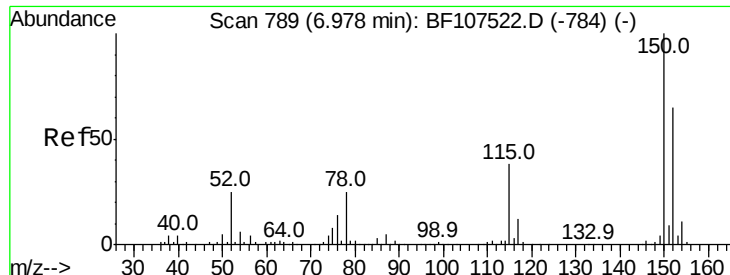
Instrument :
BNA_F
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DW-4DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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QLast Update : Fri Jul 20 16:29:27 2018
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#1

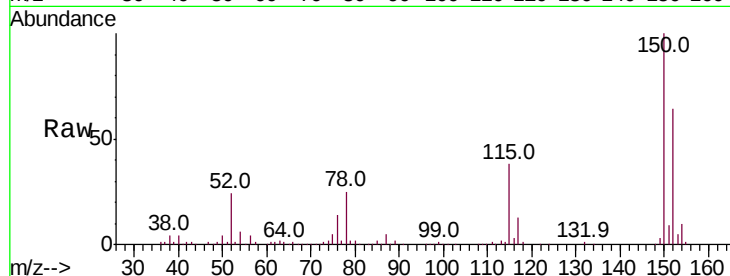
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Instrument :
BNA_F
ClientSampleId :
DW-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	59.3	50.1	75.1

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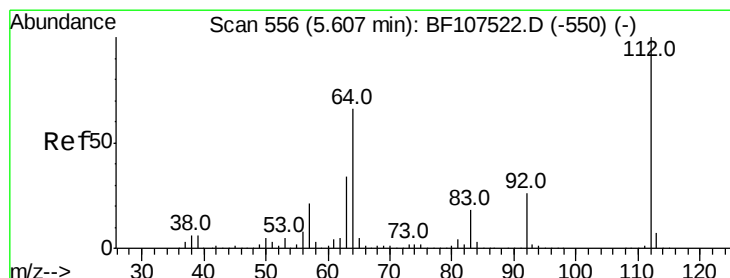
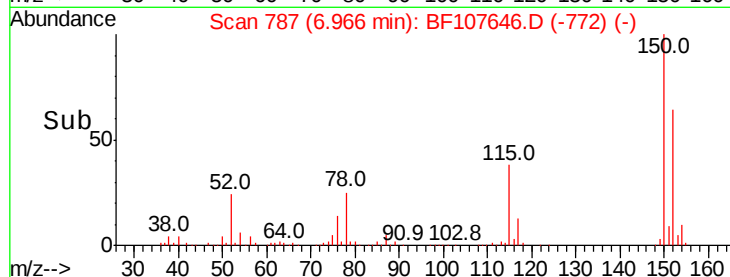
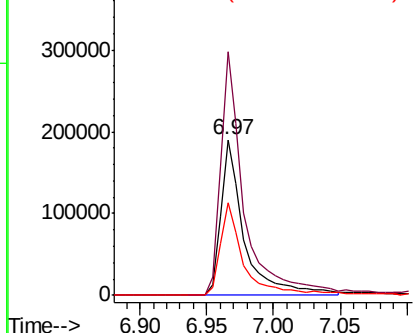


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

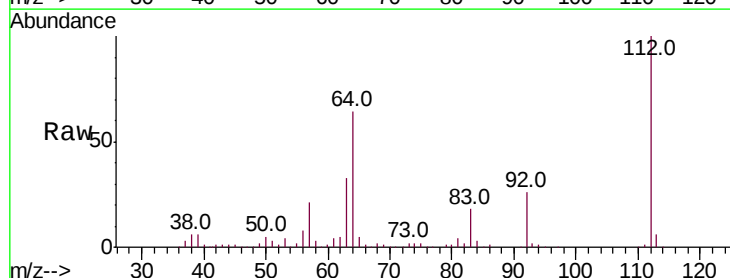
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.045 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	33.2	23.7	35.5

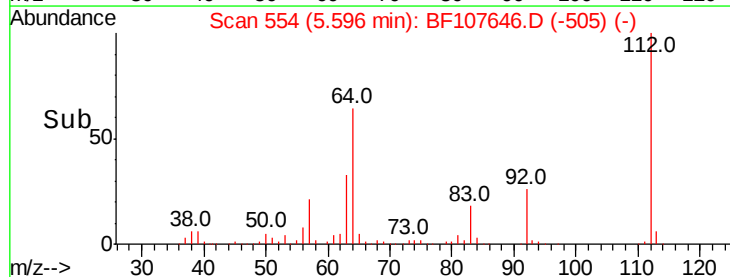
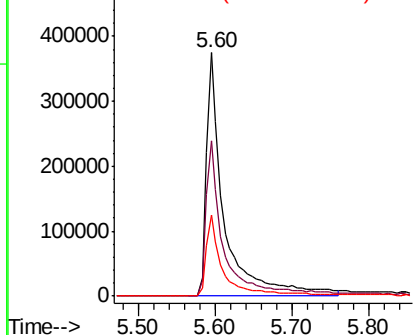


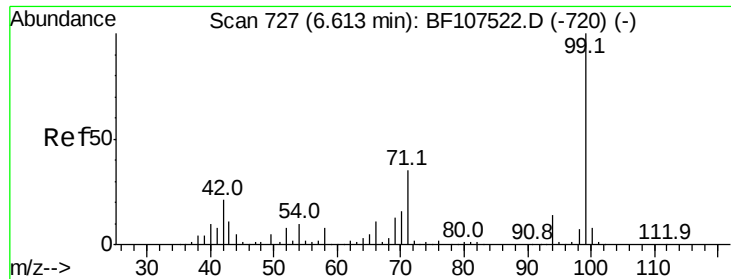
Abundance

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: 45.463 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Instrument :

BNA_F

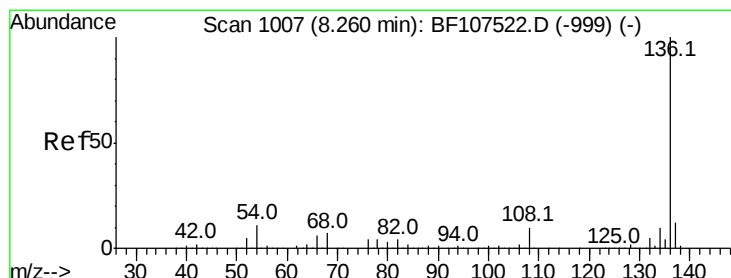
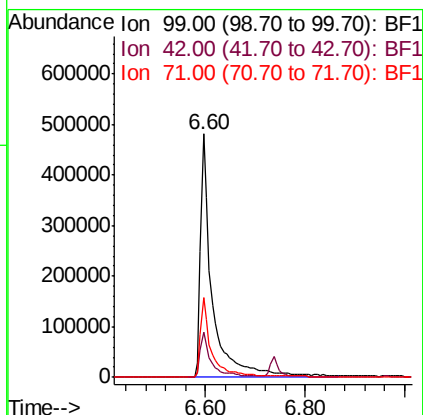
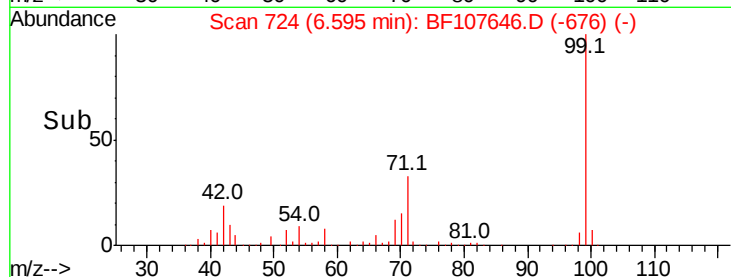
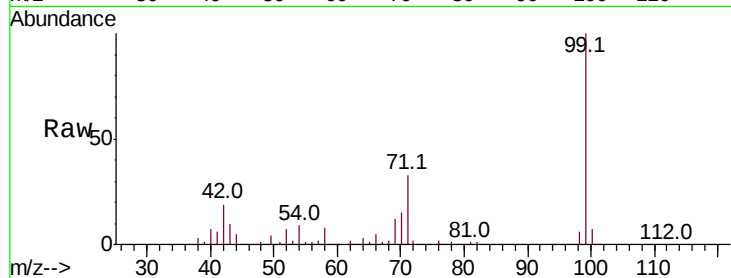
ClientSampleId :

DW-4DL

Tot Ion:	99	Resp:	797884
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

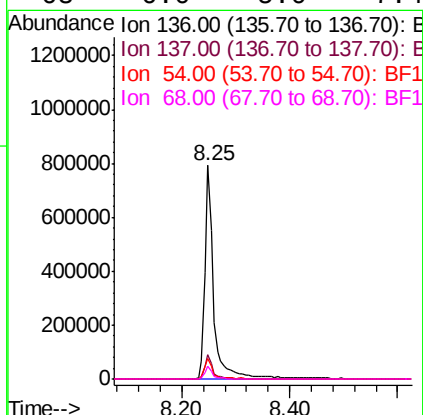
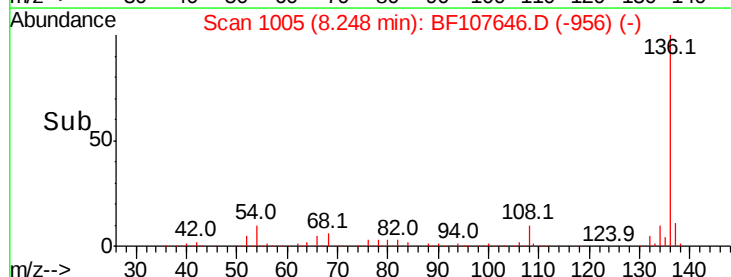
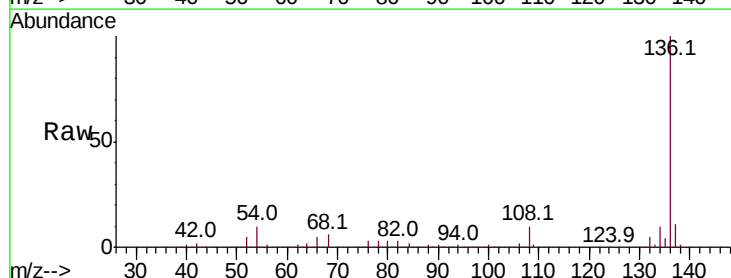
RT: 8.25 min Scan# 1005

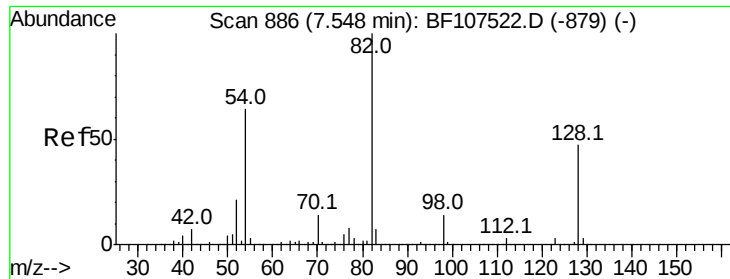
Delta R.T. -0.01 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Tgt Ion:	136	Resp:	912021
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	9.6	6.6	9.8
68	6.0	5.0	7.4





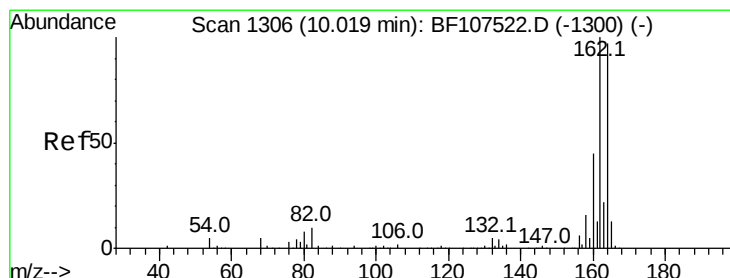
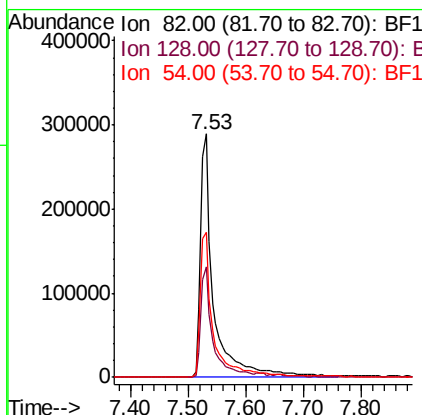
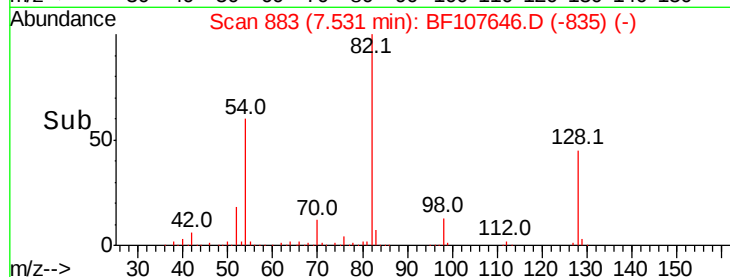
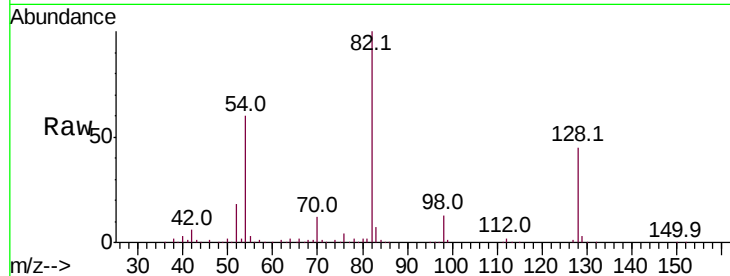
#23
Nitrobenzene-d5
Concen: 34.339 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Instrument :
BNA_F
ClientSampled :
DW-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	59.7	41.4	62.2

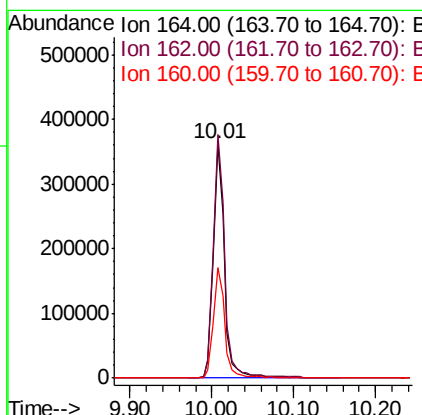
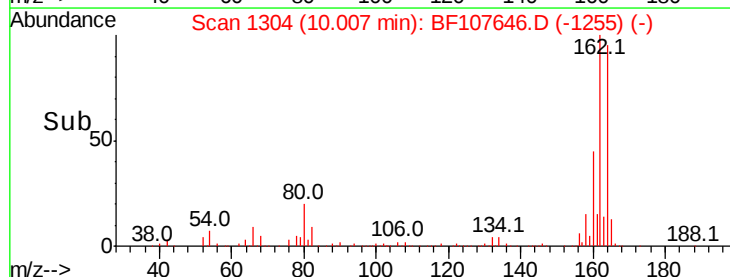
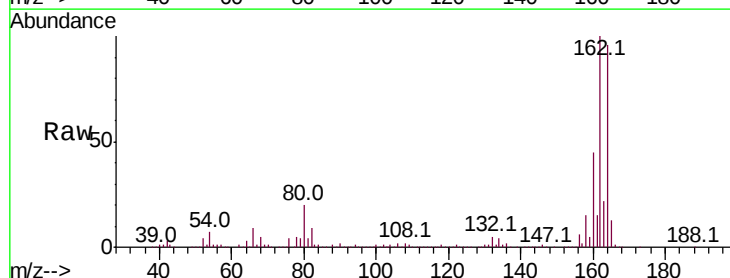
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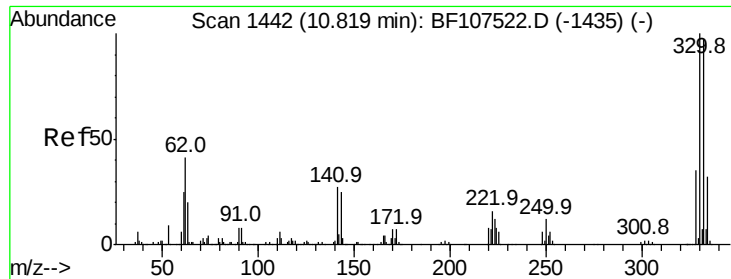
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	47.3	38.3	57.5





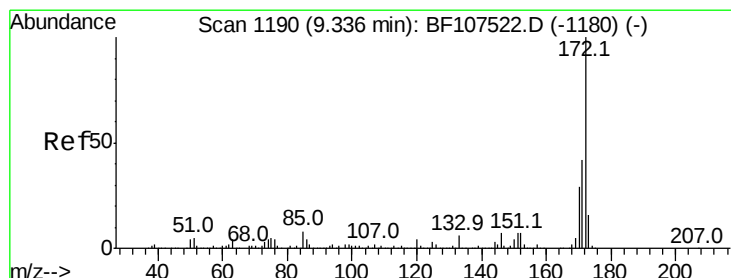
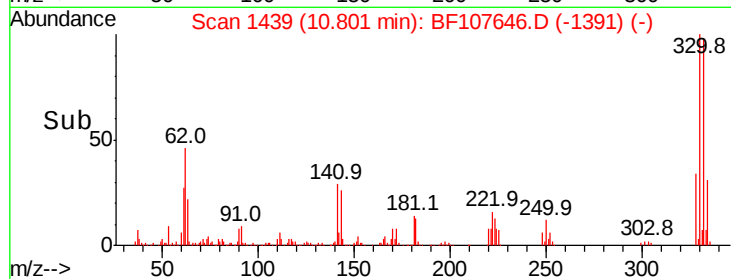
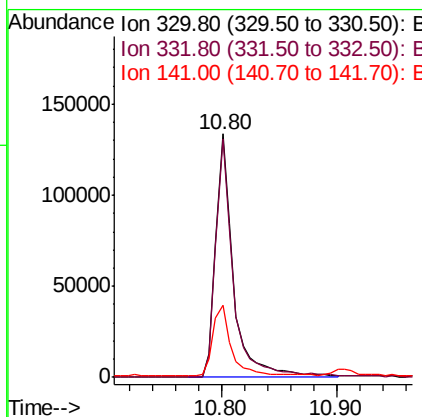
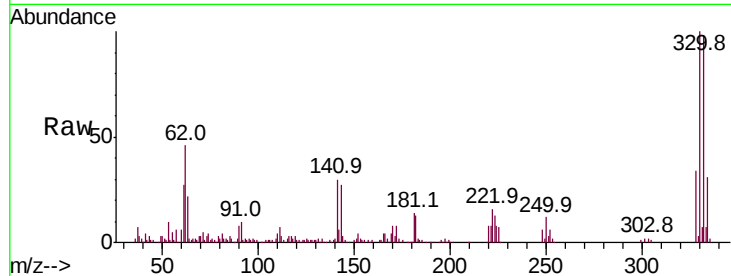
#41
 2,4,6-Tribromophenol
 Concen: 36.295 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Instrument :
 BNA_F
 ClientSampled :
 DW-4DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	143206		
332	97.9	77.0	115.6	
141	31.6	29.9	44.9	

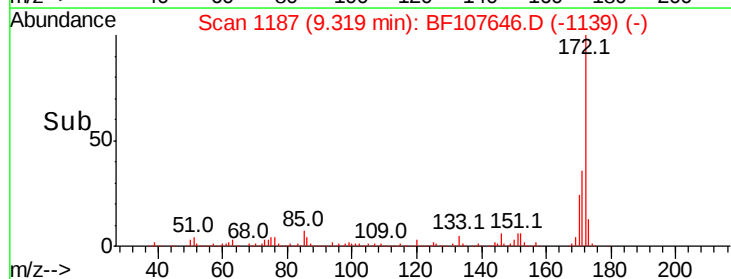
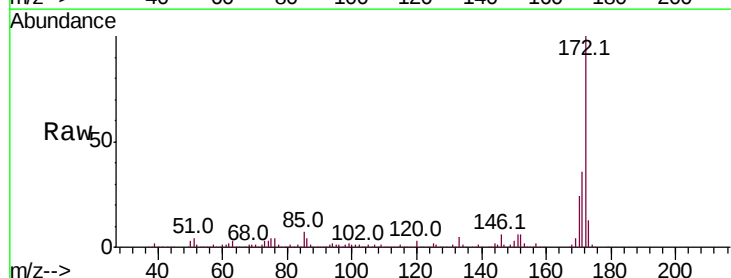
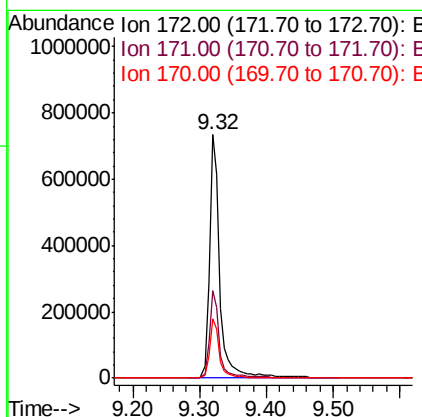
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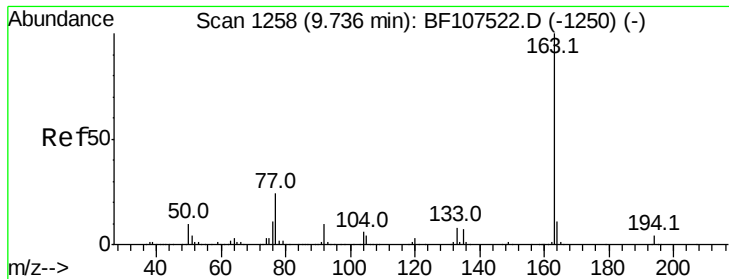
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#44
 2-Fluorobiphenyl
 Concen: 31.927 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	799398		
171	35.8	29.7	44.5	
170	24.4	19.6	29.4	





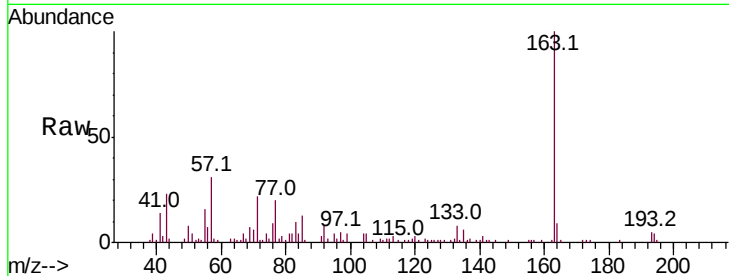
#49
Dimethylphthalate
Concen: 2.123 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Instrument :
BNA_F
ClientSampleId :
DW-4DL

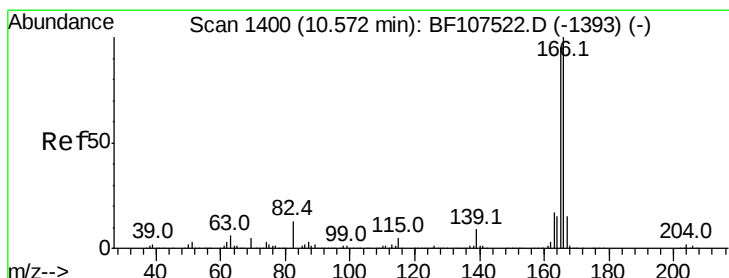
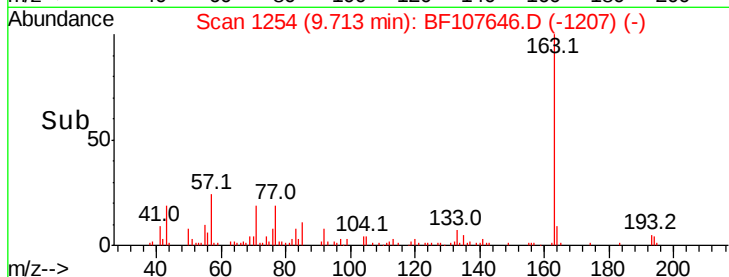
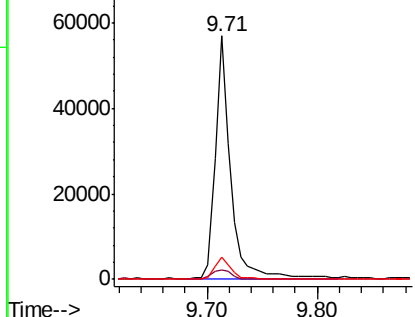
Tot Ion	Ratio	Resp	Lower	Upper
163	100	55525		
194	3.9		2.7	4.1
164	9.2		8.2	12.2

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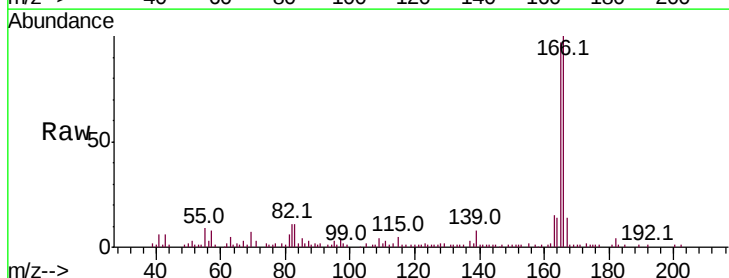


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

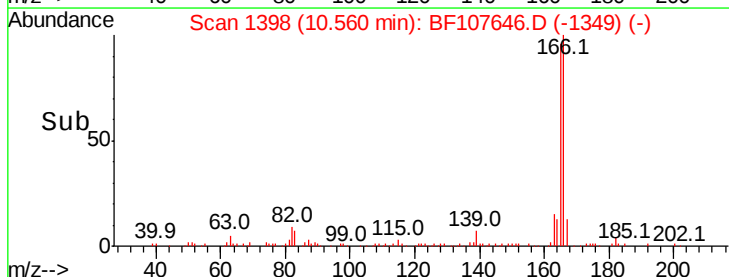
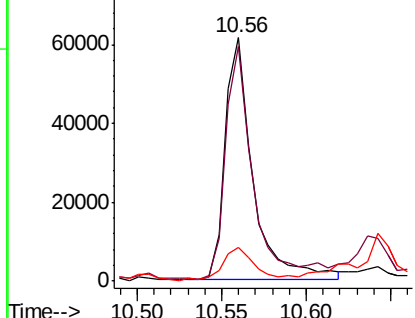


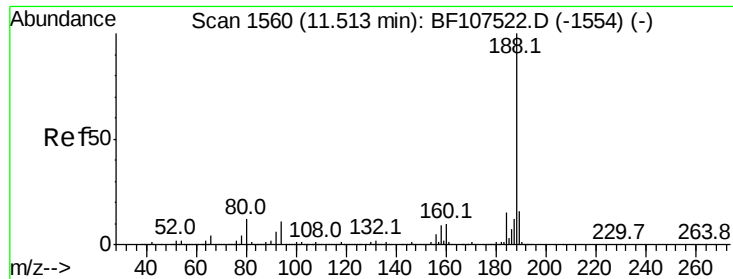
#57
Fluorene
Concen: 3.085 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	70452		
165	96.6		79.8	119.8
167	13.9		10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





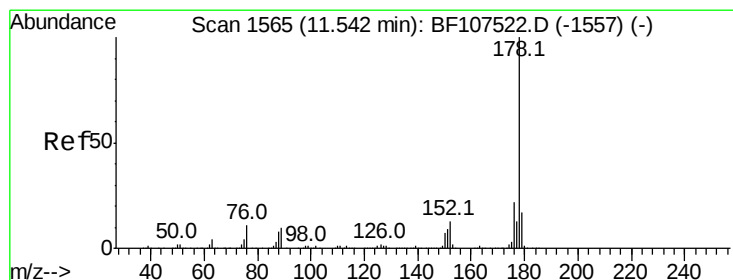
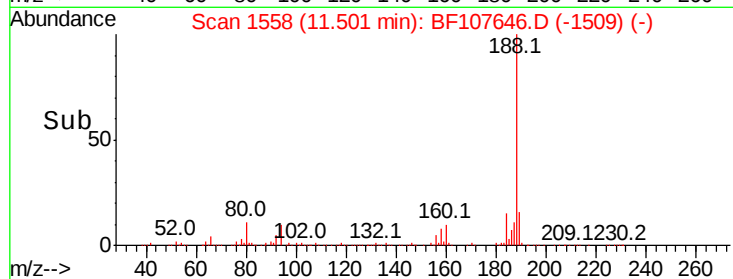
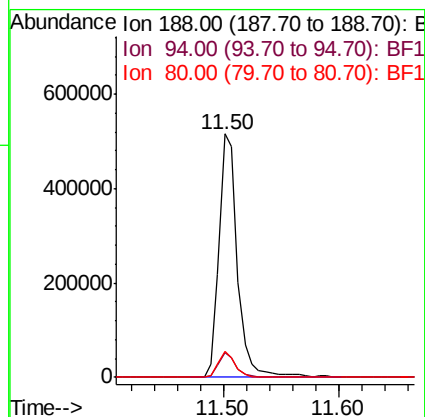
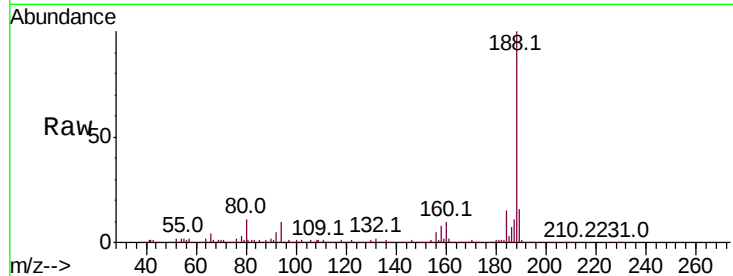
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Instrument :
BNA_F
ClientSampleId :
DW-4DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	571520		
94	10.1		8.5	12.7
80	10.7		9.2	13.8

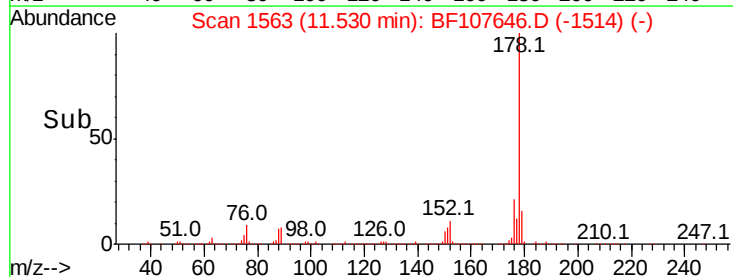
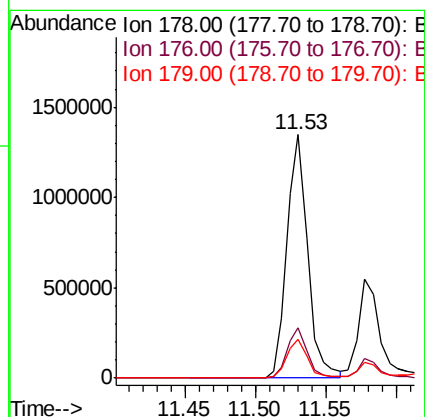
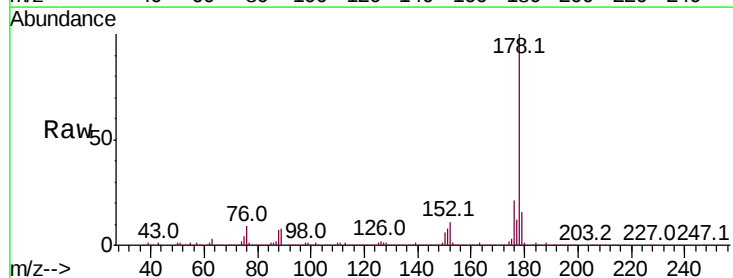
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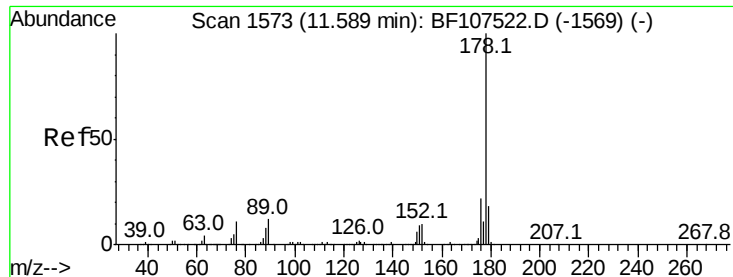
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#70
Phenanthrene
Concen: 49.563 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1380344		
176	20.9		15.8	23.8
179	16.2		13.0	19.6





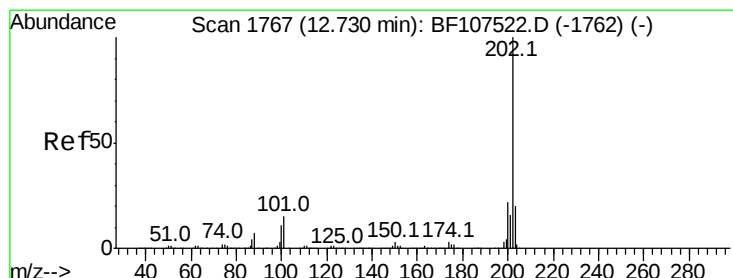
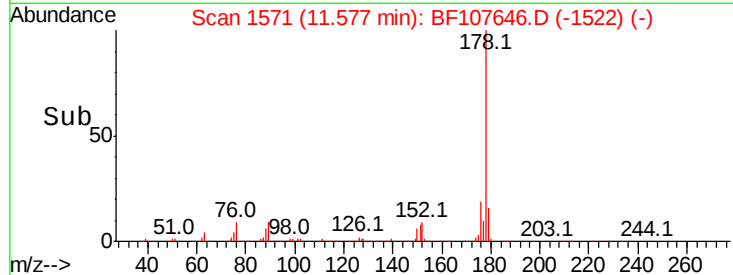
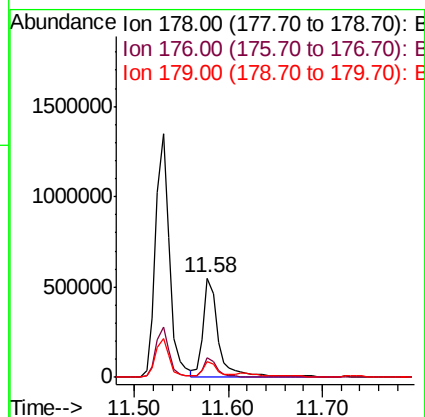
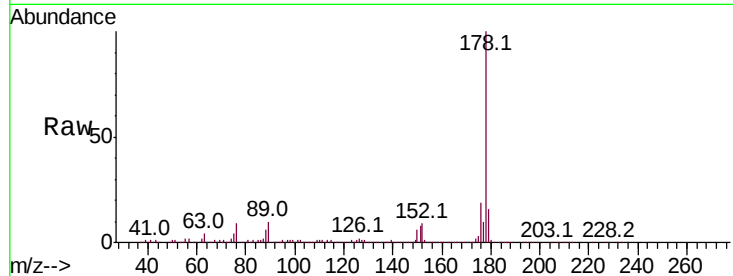
#71
 Anthracene
 Concen: 22.031 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Instrument :
 BNA_F
 ClientSampleId :
 DW-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.3	12.6	19.0

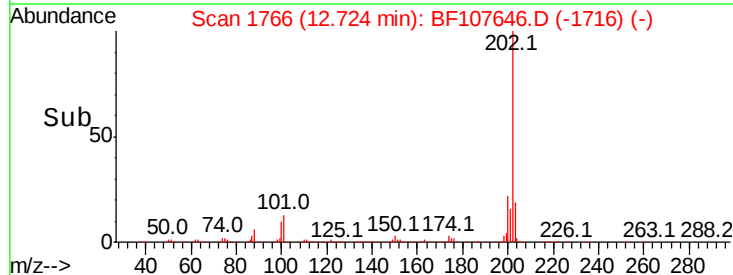
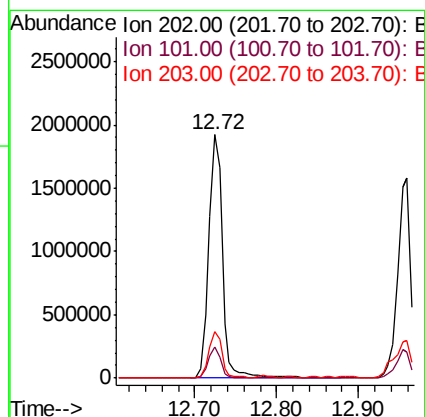
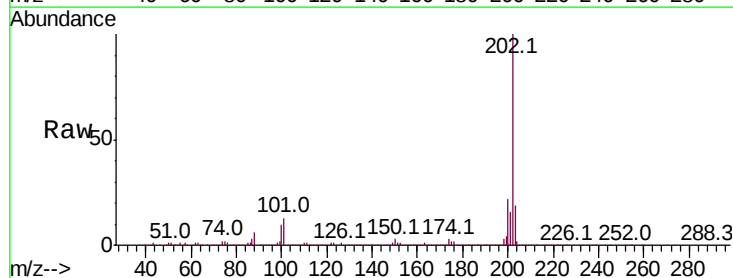
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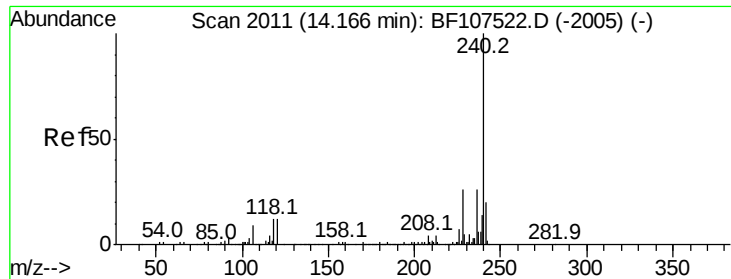
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#74
 Fluoranthene
 Concen: 74.831 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	19.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Instrument :

BNA_F

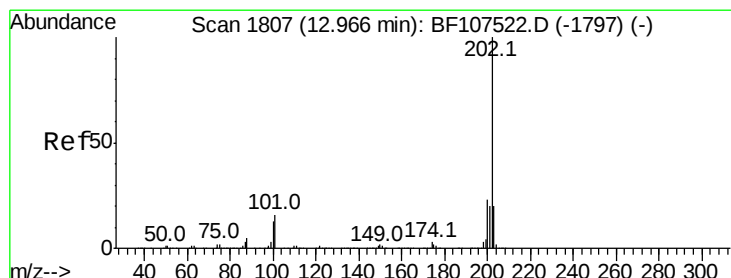
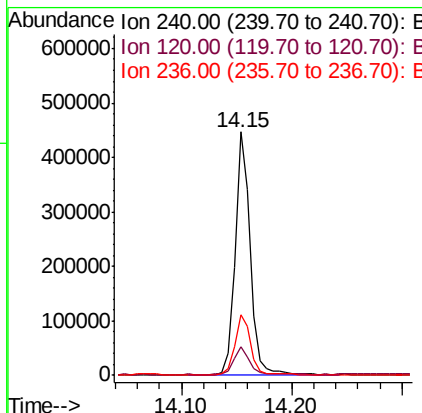
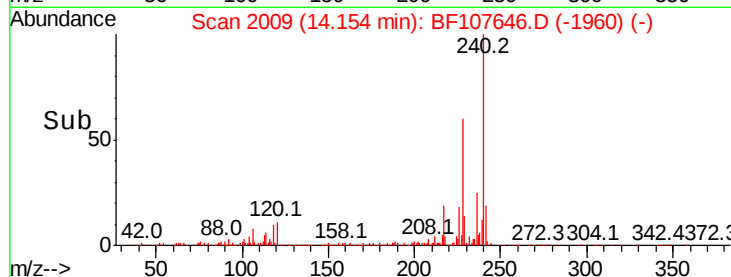
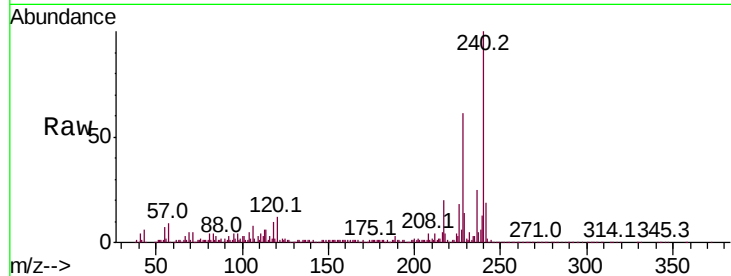
ClientSampleId :

DW-4DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	24.8	20.7	31.1

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#77

Pyrene

Concen: 63.231 ng

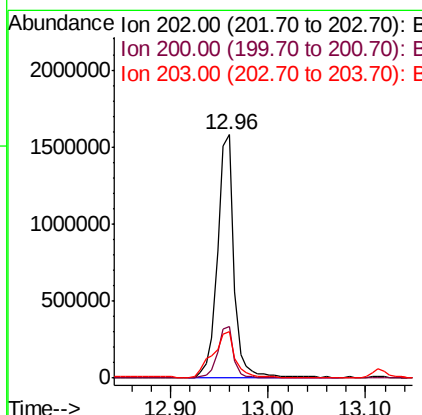
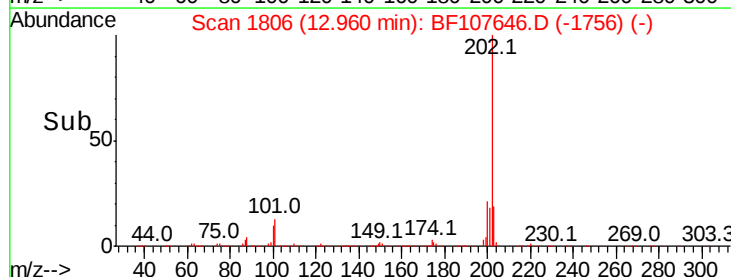
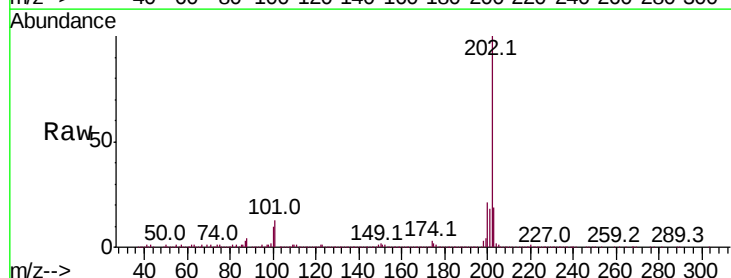
RT: 12.96 min Scan# 1806

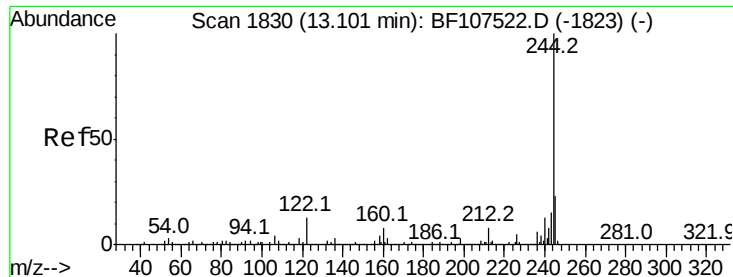
Delta R.T. -0.01 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.9	14.3	21.5





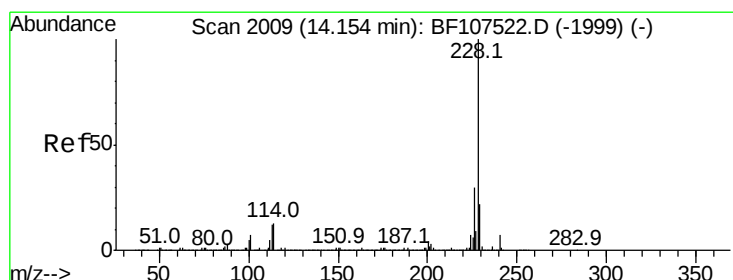
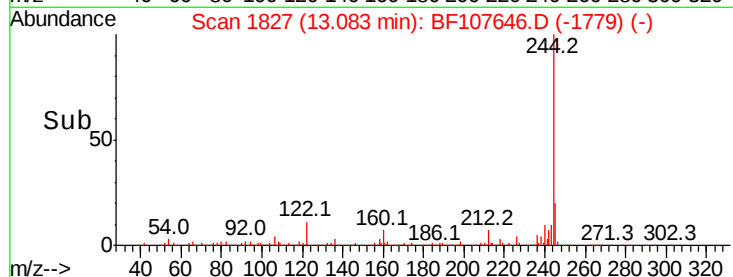
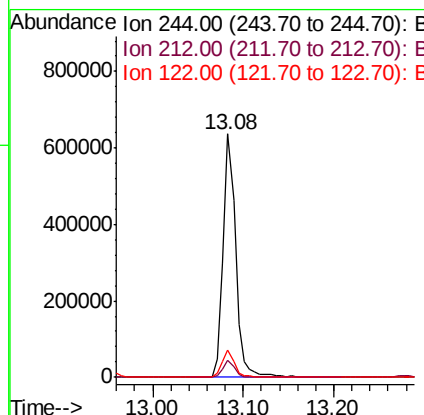
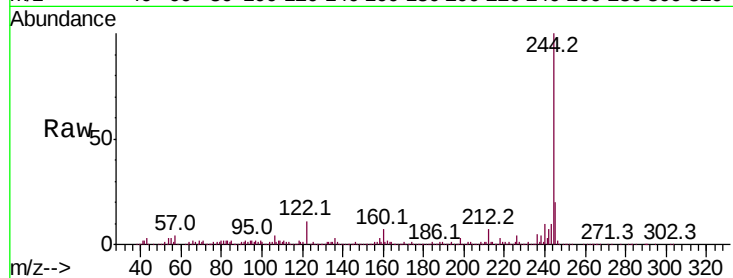
#78
 Terphenyl-d14
 Concen: 36.089 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Instrument :
 BNA_F
 ClientSampleId :
 DW-4DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.4	11.0	16.4

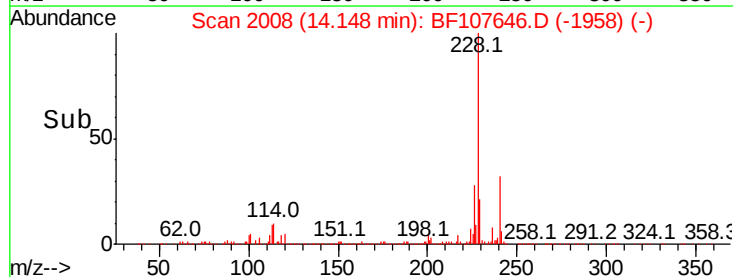
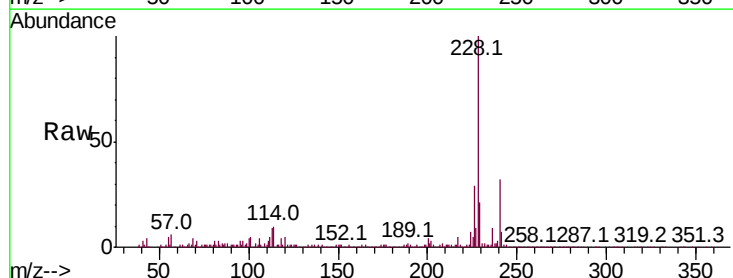
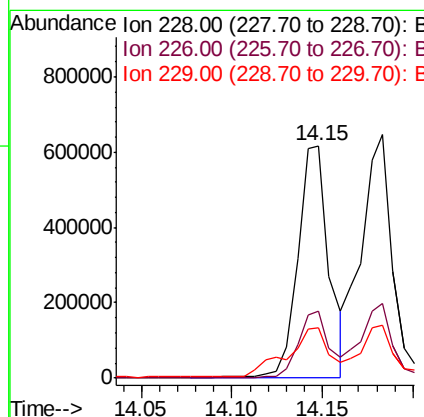
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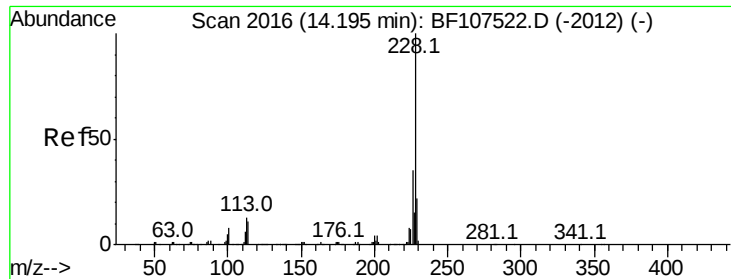
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#80
 Benzo(a)anthracene
 Concen: 29.649 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.5	15.8	23.6





#82

Chrysene

Concen: 32.499 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Instrument :

BNA_F

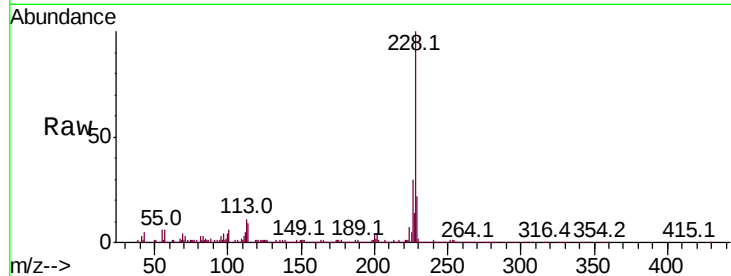
ClientSampled :

DW-4DL

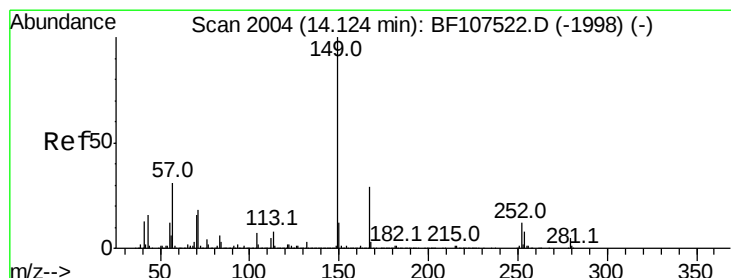
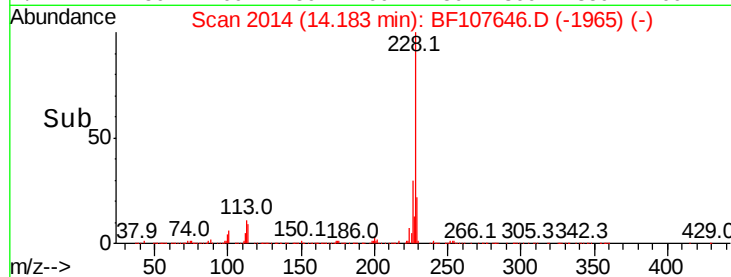
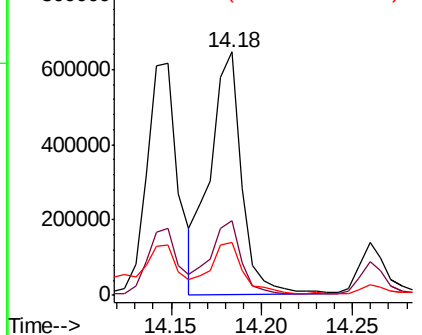
Tot Ion:	228	Resp:	784521
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.9	16.2	24.4

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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: 7.614 ng

RT: 14.11 min Scan# 2001

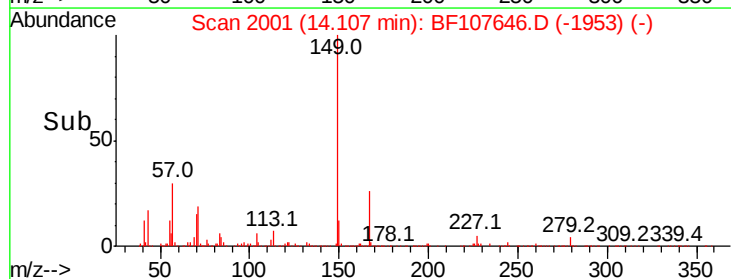
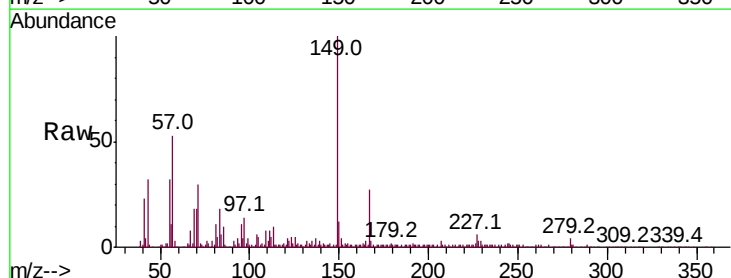
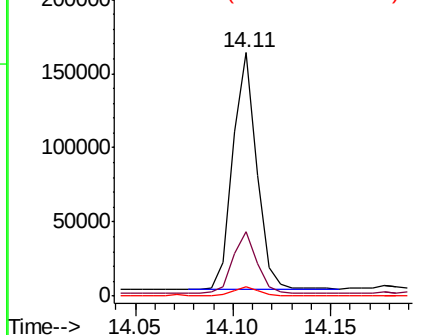
Delta R.T. -0.02 min

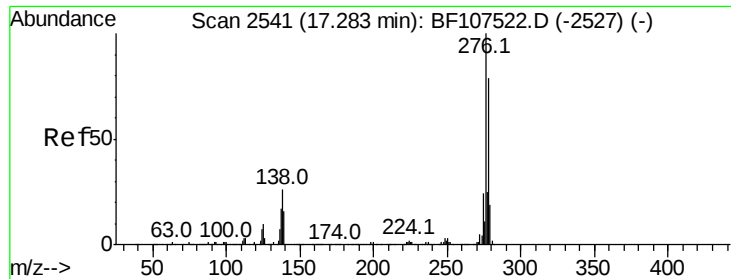
Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Tgt Ion:	149	Resp:	135525
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.3	31.9
279	4.0	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





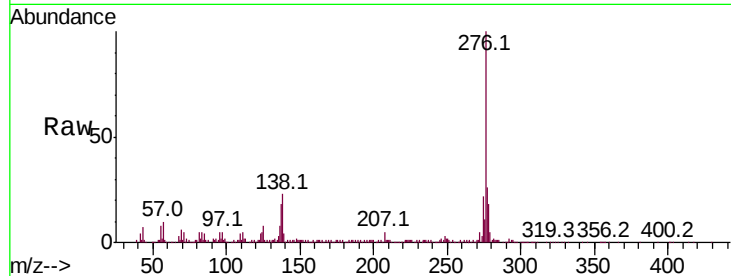
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.318 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.02 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Instrument :
 BNA_F
 ClientSampleId :
 DW-4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	22.6	20.1	30.1

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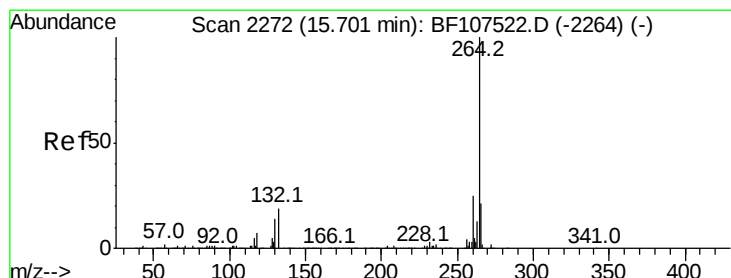
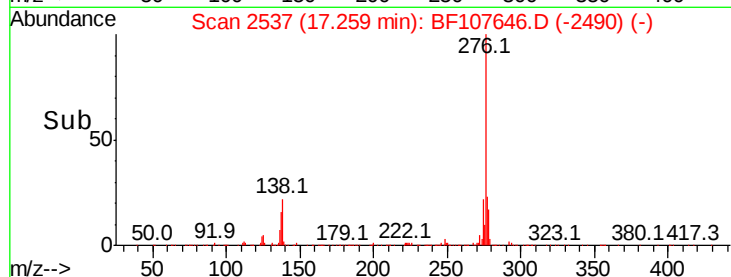
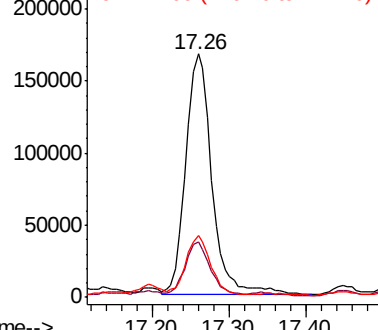


Abundance

Ion 276.00 (275.70 to 276.70): E

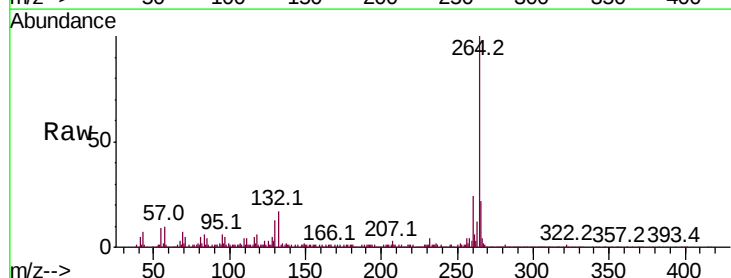
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.1	17.5	26.3

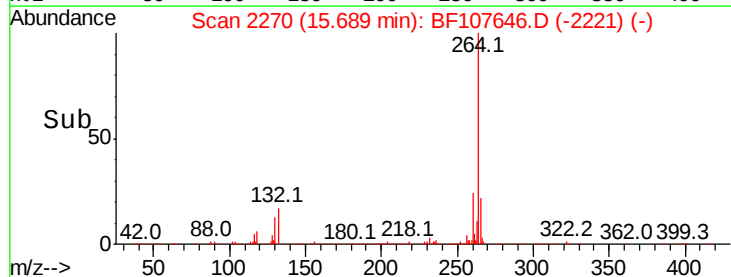
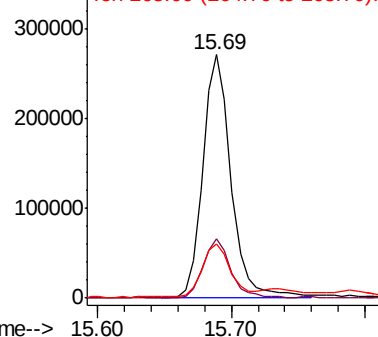


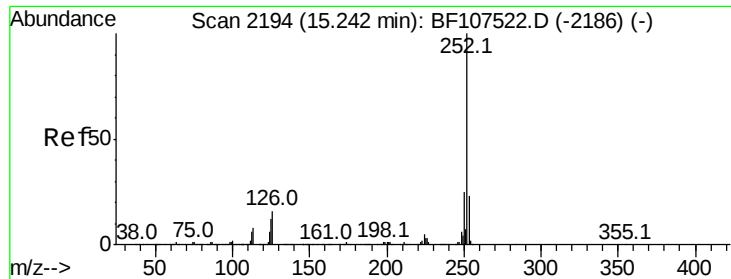
Abundance

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: 46.481 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

Instrument :

BNA_F

ClientSampleId :

DW-4DL

Tot Ion:252 Resp: 1004755

Ion Ratio Lower Upper

252 100

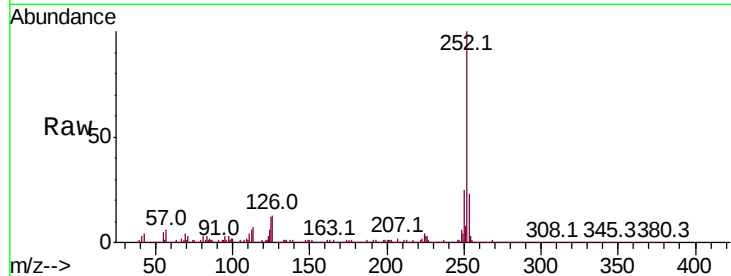
253 23.0 17.0 25.6

125 11.7 9.0 13.6

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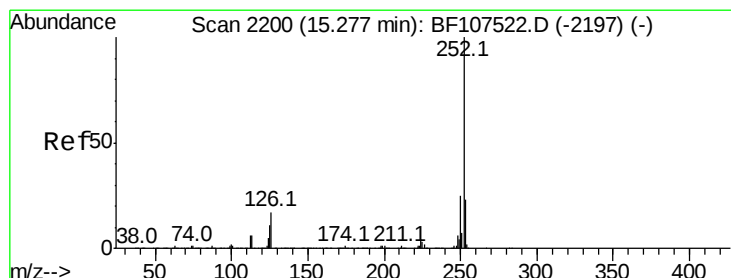
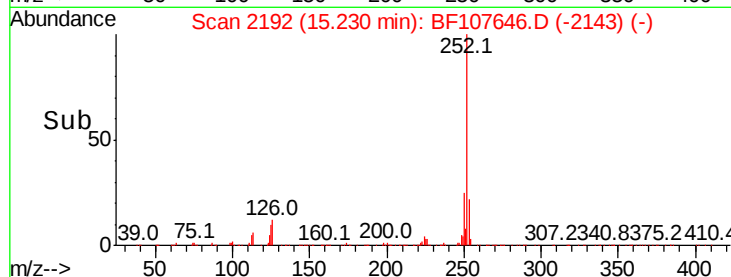
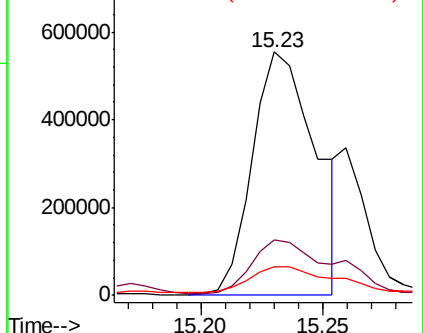
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.213 ng m

RT: 15.26 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF107646.D

Acq: 25 Jul 2018 5:20

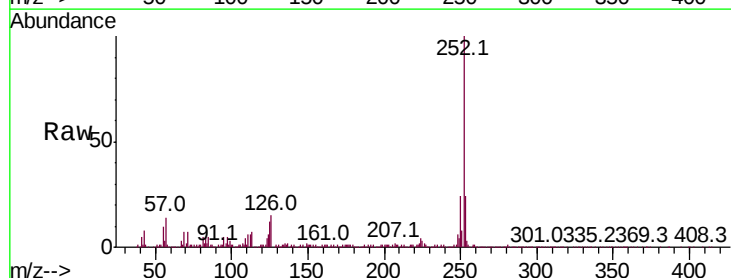
Tgt Ion:252 Resp: 279820

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

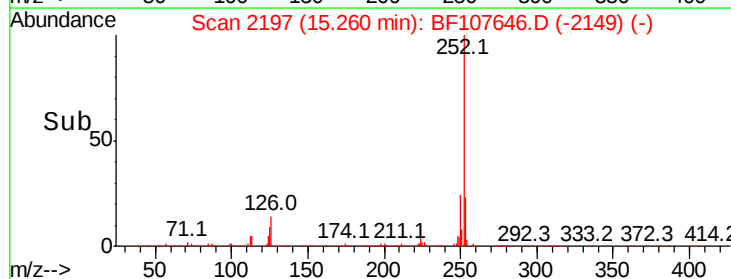
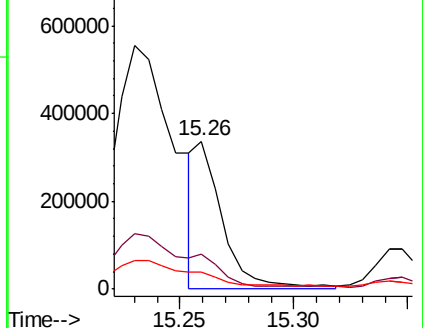
125 11.7 10.2 15.2

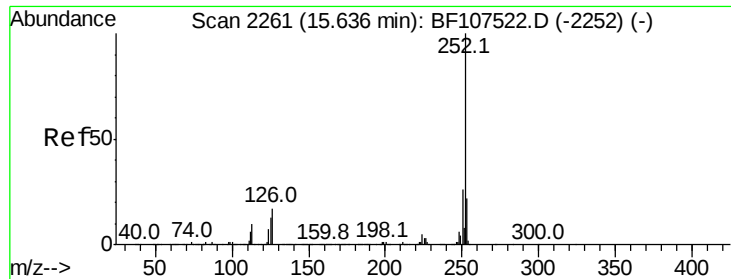


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





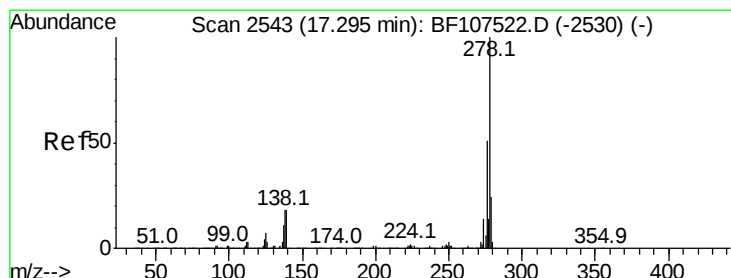
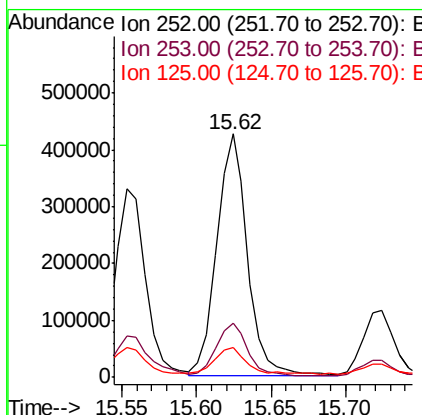
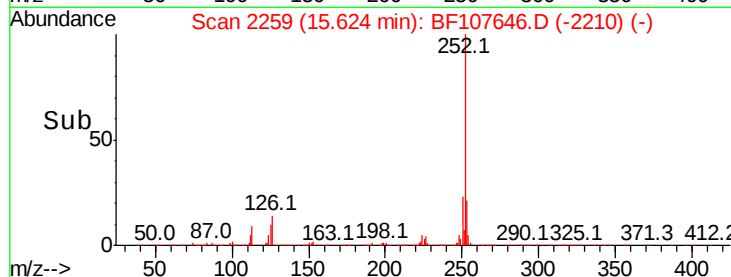
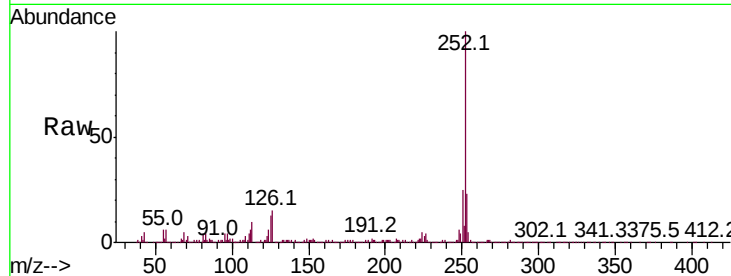
#89
Benzo(a)pyrene
Concen: 31.062 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Instrument :
BNA_F
ClientSampled :
DW-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	12.5	9.8	14.6

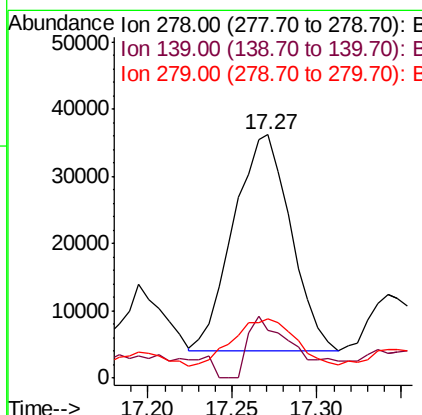
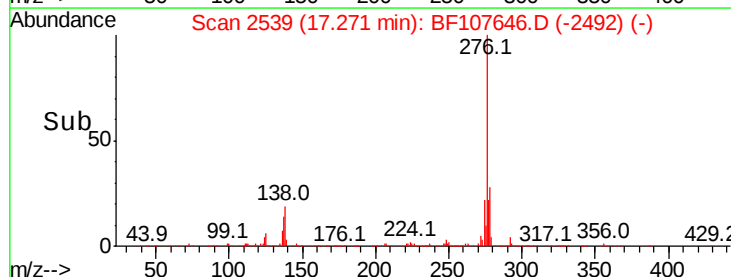
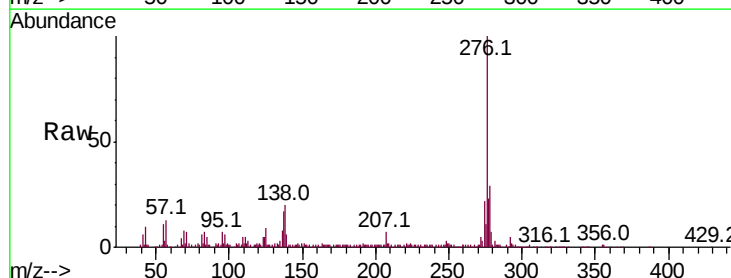
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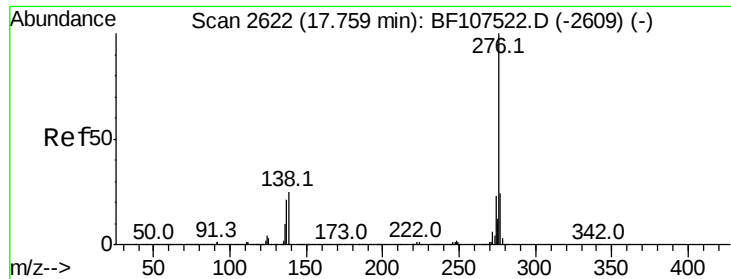
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#90
Dibenzo(a,h)anthracene
Concen: 4.430 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF107646.D
Acq: 25 Jul 2018 5:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.9	23.9
279	24.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 21.087 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF107646.D
 Acq: 25 Jul 2018 5:20

Instrument :
 BNA_F
 ClientSampleId :
 DW-4DL

Tot Ion:	276	Resp:	355531
Ion Ratio	Lower	Upper	
276	100		
277	23.5	17.9	26.9
138	21.9	21.8	32.8

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