

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106707.D
 Acq On : 22 Jun 2018 14:23
 Operator : JU/SJ
 Sample : J3523-06RE 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(S)RE

Manual Integrations
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Quant Time: Jun 22 15:14:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	68067	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	264574	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	129487	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	222124	20.00	ng	0.00
75) Chrysene-d12	14.15	240	199014	20.00	ng	0.00
86) Perylene-d12	15.69	264	198155	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	33000	8.21	ng	0.00
7) Phenol-d6	6.60	99	120451	23.99	ng	-0.01
23) Nitrobenzene-d5	7.52	82	80261	16.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	1637	1.09	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	166663	8.51	ng	-0.01
78) Terphenyl-d14	13.07	244	151756	18.47	ng	-0.01
Target Compounds						
70) Phenanthrene	11.52	178	106150	9.908	ng	98
71) Anthracene	11.57	178	28799	2.634	ng	98
74) Fluoranthene	12.71	202	208788	17.681	ng	94
77) Pyrene	12.94	202	194483	14.819	ng	99
80) Benzo(a)anthracene	14.14	228	154677	12.752	ng	99
82) Chrysene	14.17	228	126586	11.344	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	41327	4.364	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	166126m	13.496	ng	
88) Benzo(k)fluoranthene	15.26	252	49447m	4.218	ng	
89) Benzo(a)pyrene	15.62	252	103965	9.501	ng	95
91) Benzo(g,h,i)perylene	17.74	276	38944	4.296	ng	# 89

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

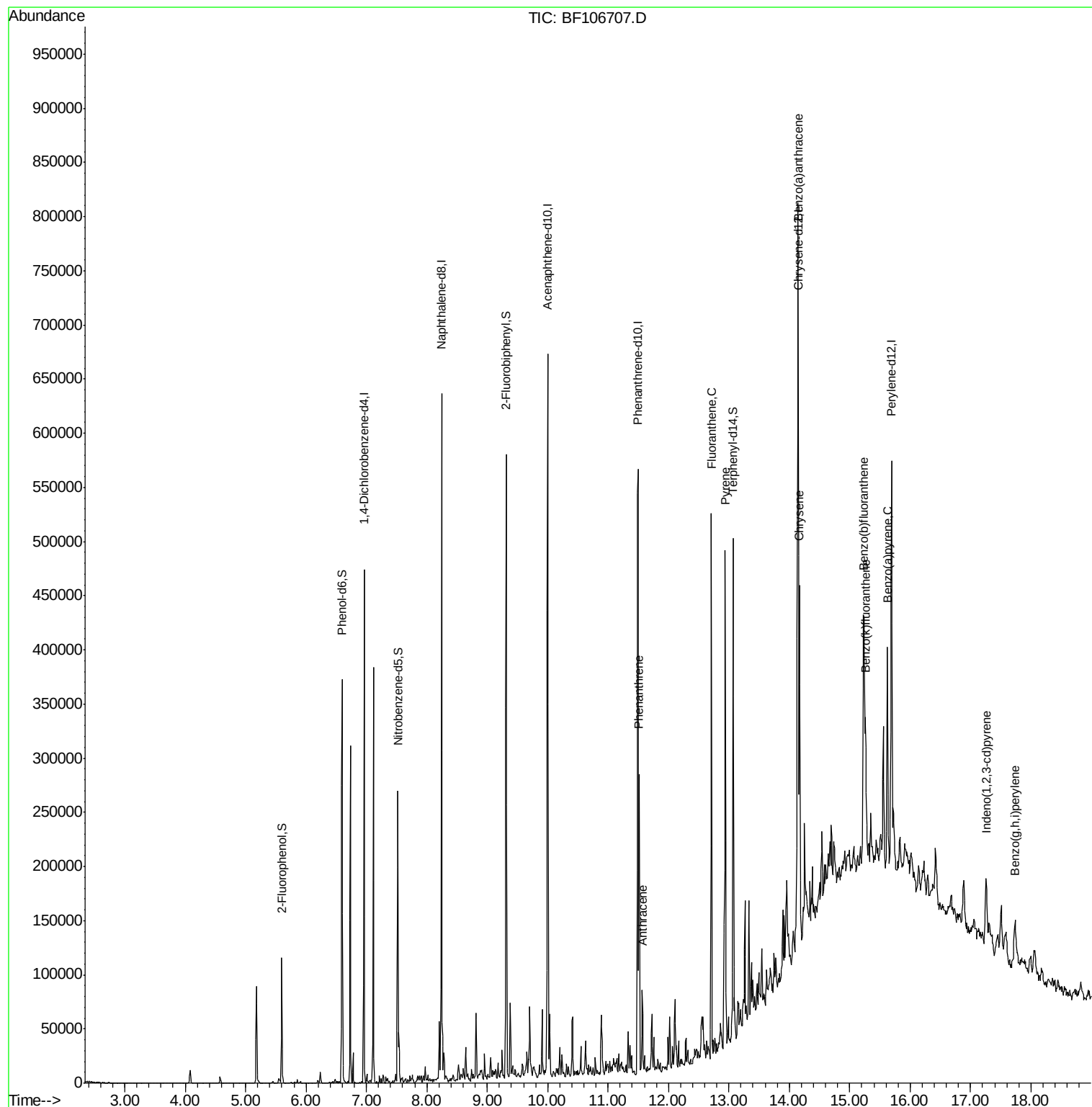
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106707.D
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Operator : JU/SJ
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ALS Vial : 13 Sample Multiplier: 1

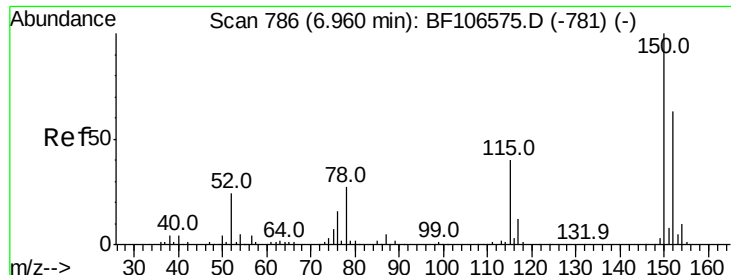
Instrument :
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#1

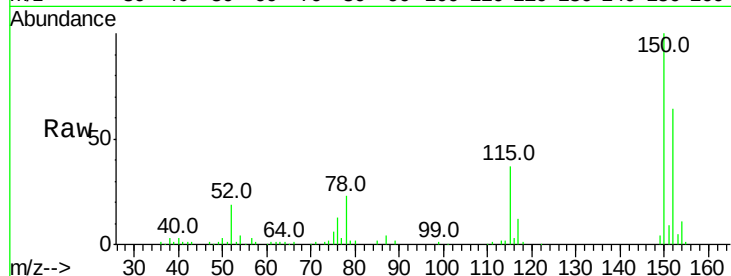
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Instrument :
BNA_F
ClientSampleId :
AREA2(S)RE

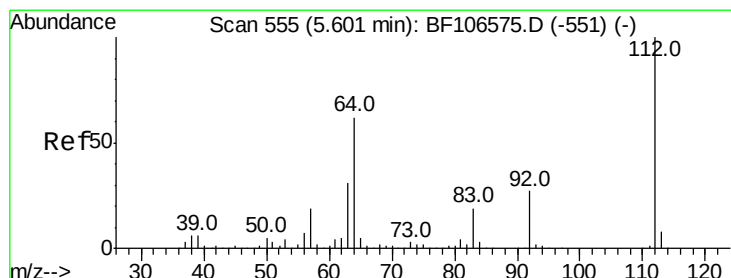
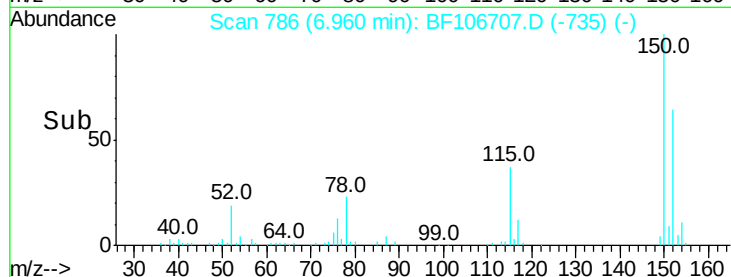
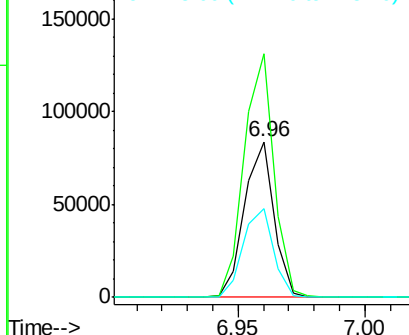
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	57.0	50.1	75.1

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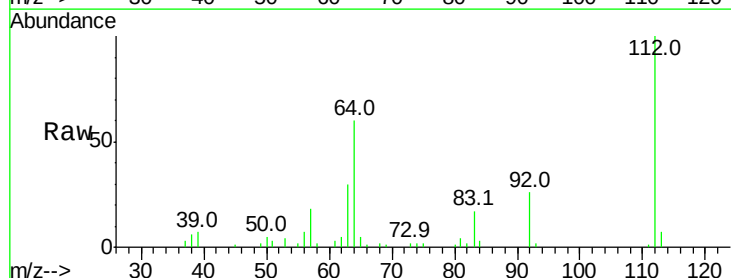
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



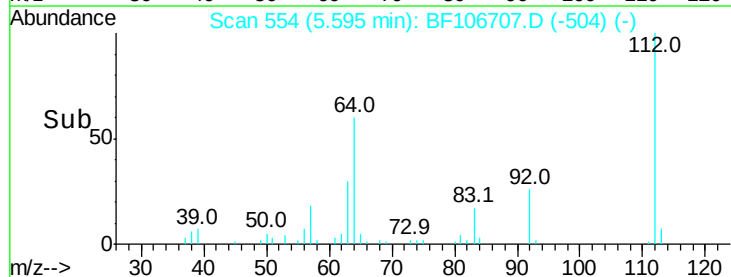
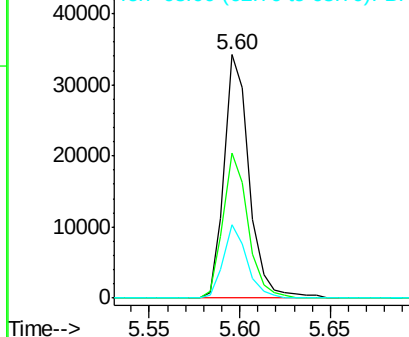
#5

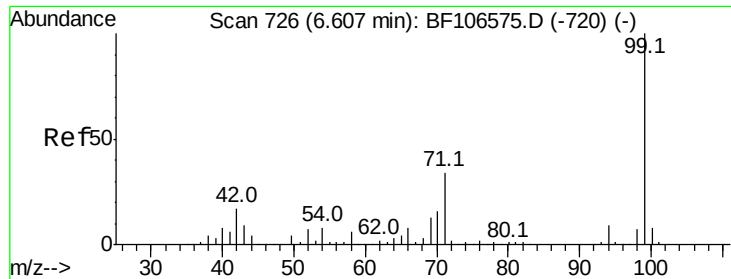
2-Fluorophenol
Concen: 8.209 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	30.2	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: 23.995 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

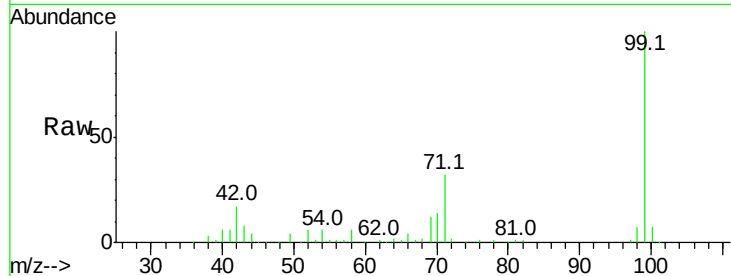
ClientSampleId :

AREA2(S)RE

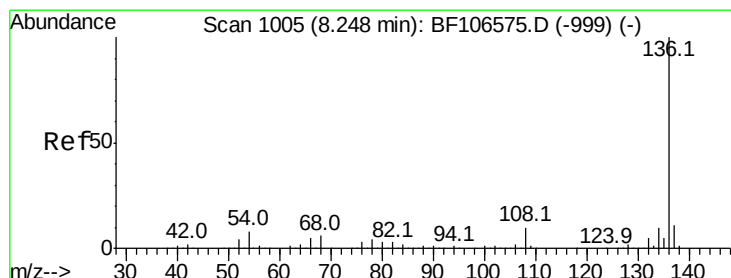
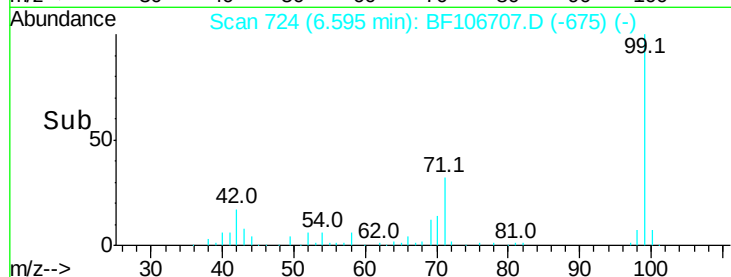
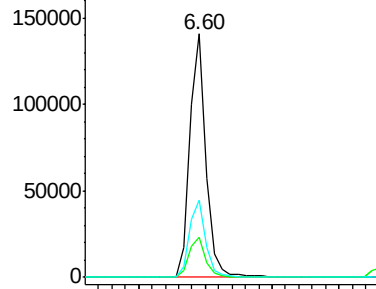
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		120451		
42	16.6	14.5	21.7		
71	31.9	25.4	38.0		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

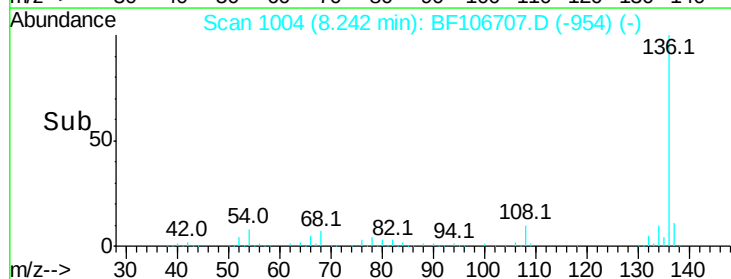
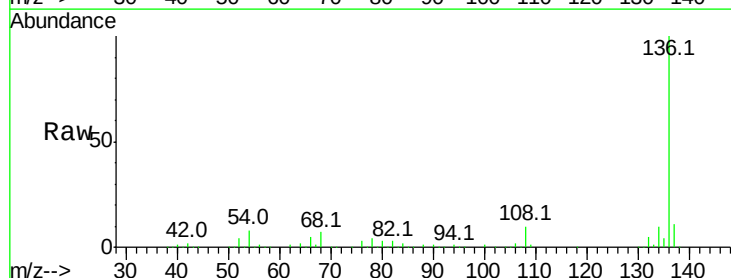
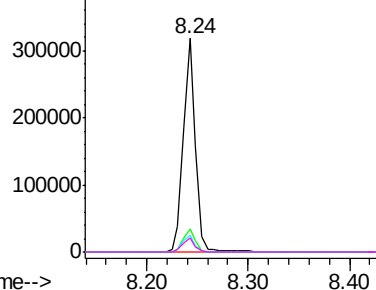
Delta R.T. -0.01 min

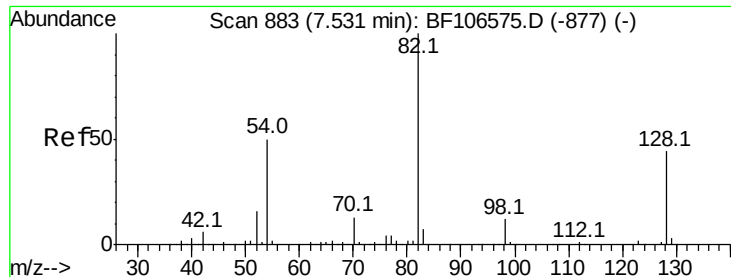
Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		264574		
137	10.8	8.9	13.3		
54	7.6	6.6	9.8		
68	6.6	5.0	7.4		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





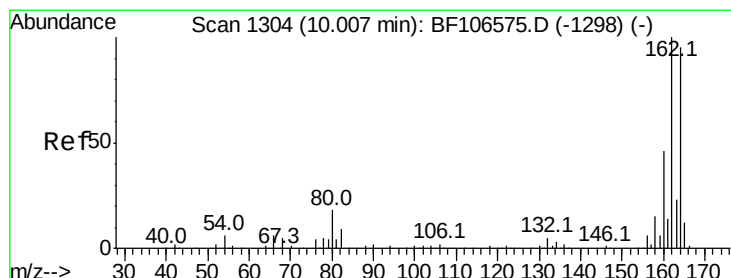
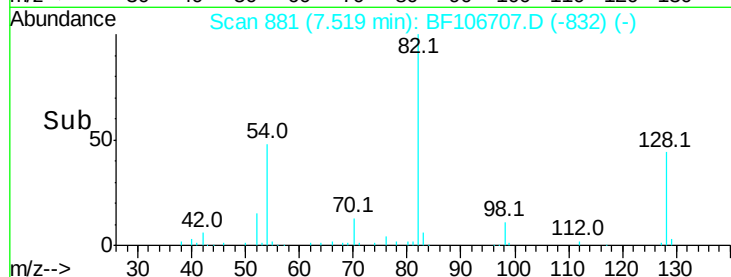
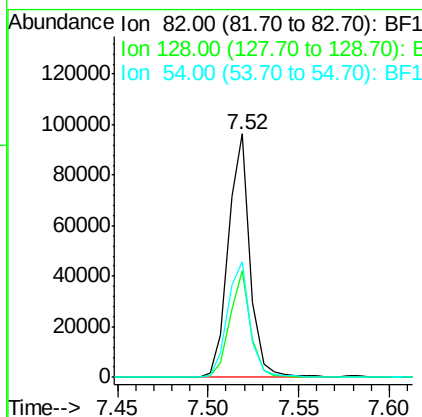
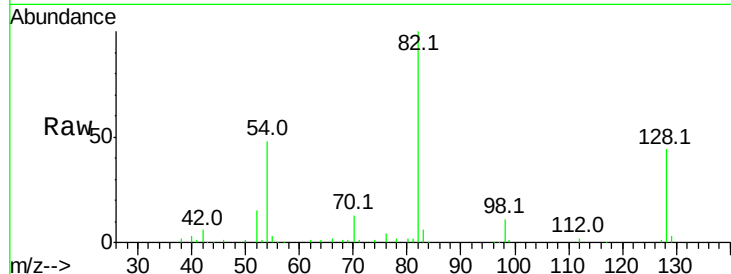
#23
 Nitrobenzene-d5
 Concen: 16.859 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(S)RE

Tot Ion:	82	Resp:	80261
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.1	54.1
54	47.7	41.4	62.2

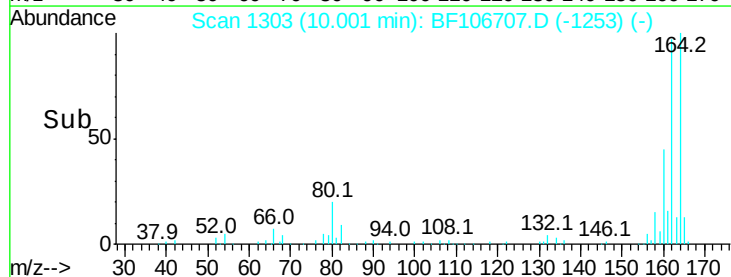
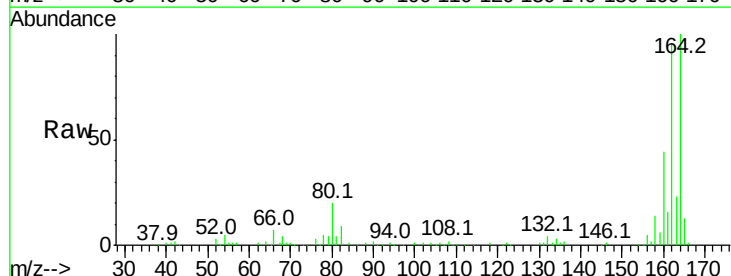
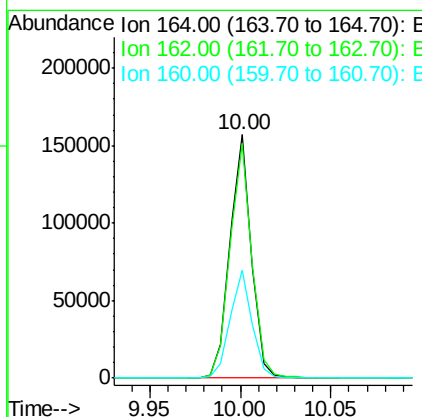
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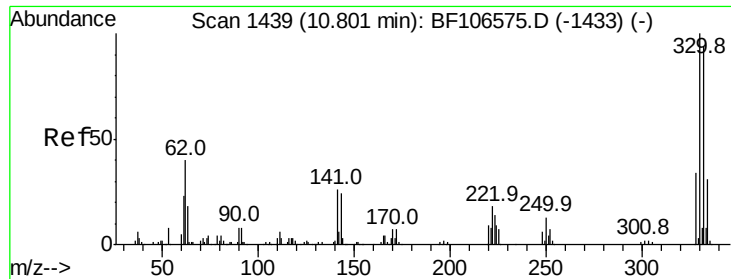
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt Ion:	164	Resp:	129487
Ion Ratio	Lower	Upper	
164	100		
162	96.4	86.1	129.1
160	44.4	38.3	57.5





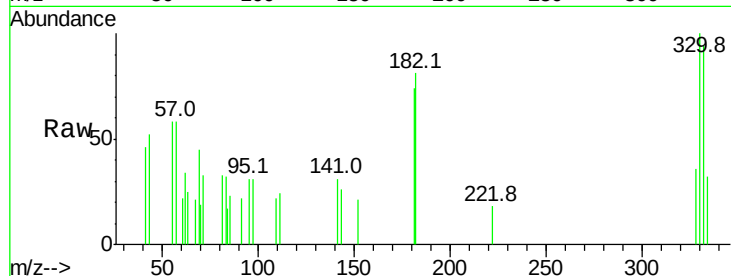
#41
 2,4,6-Tribromophenol
 Concen: 1.091 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(S)RE

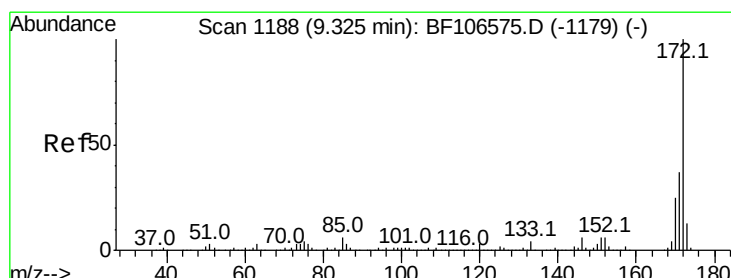
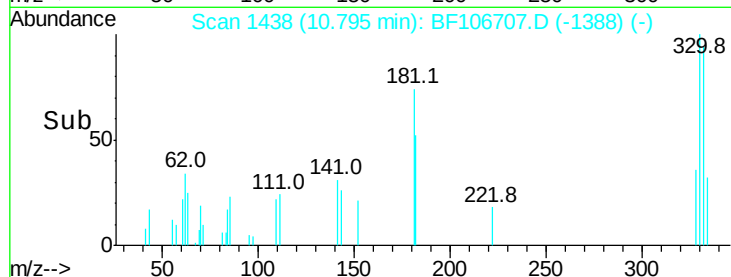
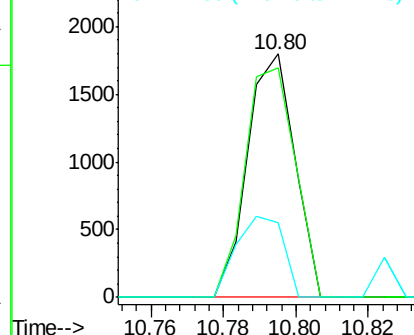
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.0	115.6
141	33.2	29.9	44.9

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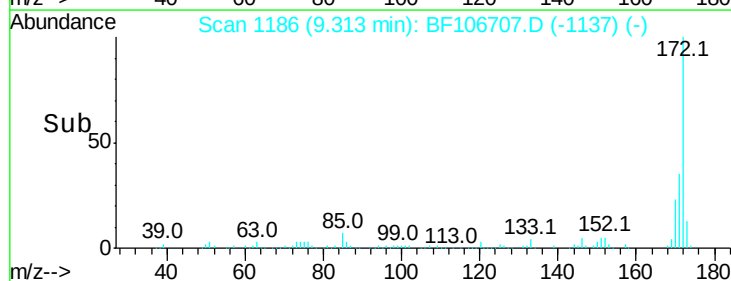
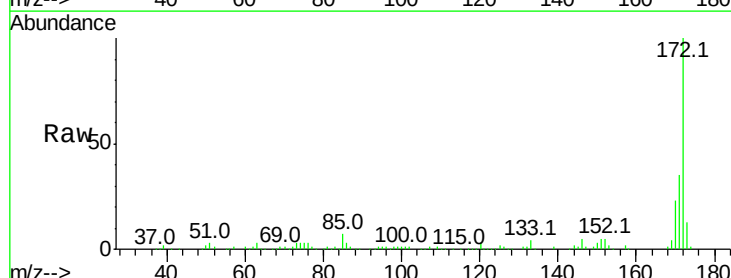
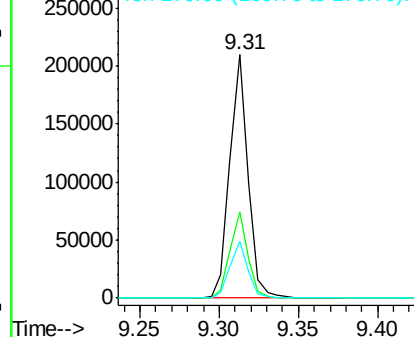
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

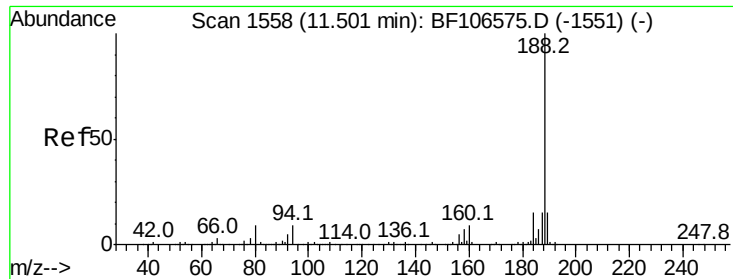


#44
 2-Fluorobiphenyl
 Concen: 8.512 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	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





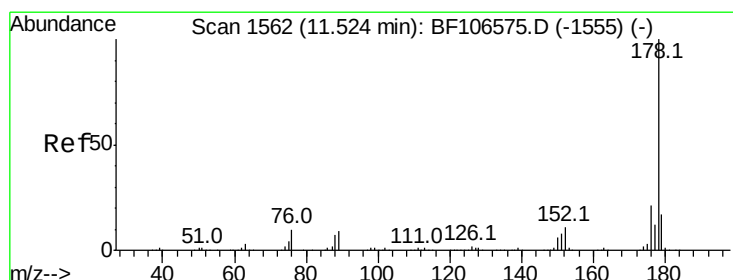
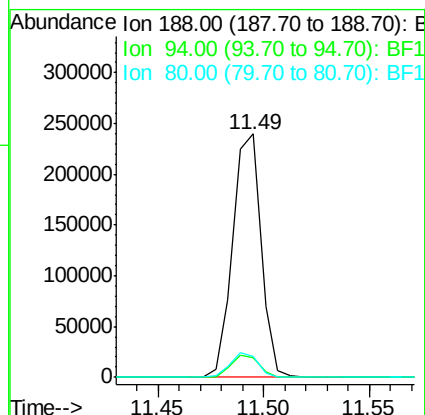
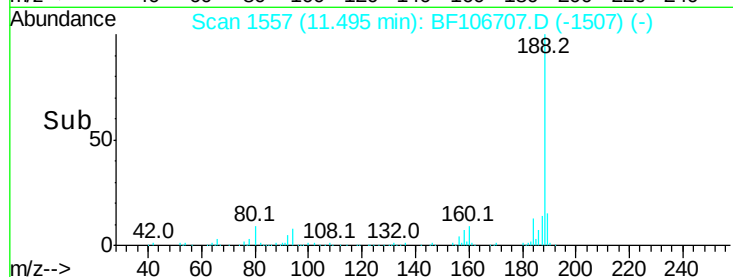
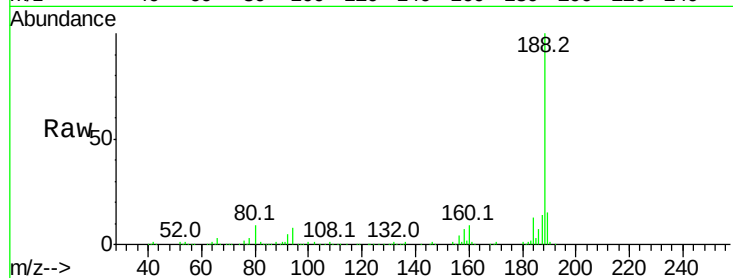
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(S)RE

Tot Ion:	188	Resp:	222124
Ion Ratio	Lower	Upper	
188	100		
94	7.9	8.5	12.7#
80	8.7	9.2	13.8#

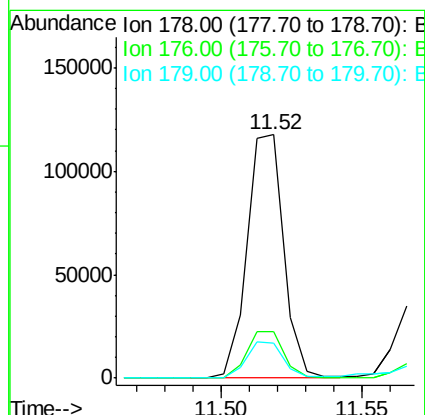
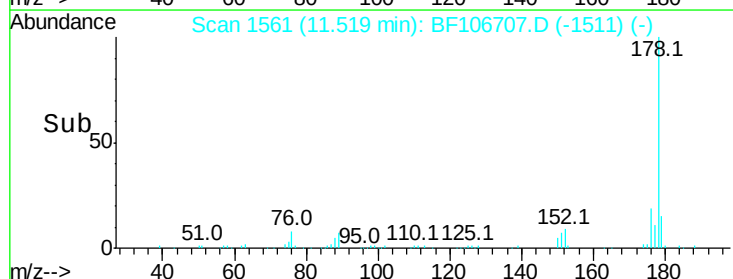
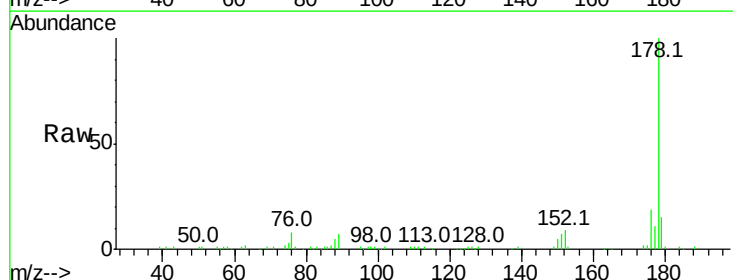
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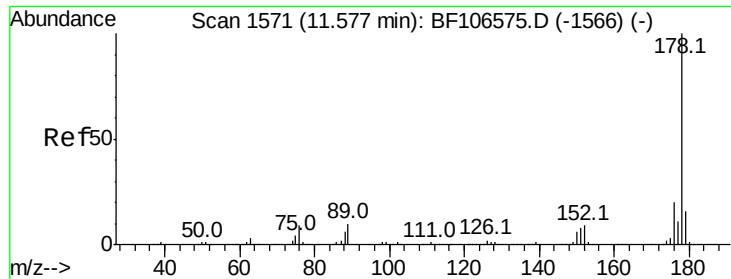
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#70
 Phenanthrene
 Concen: 9.908 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt Ion:	178	Resp:	106150
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	14.6	13.0	19.6





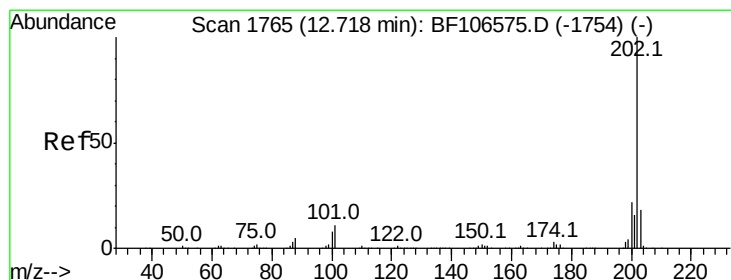
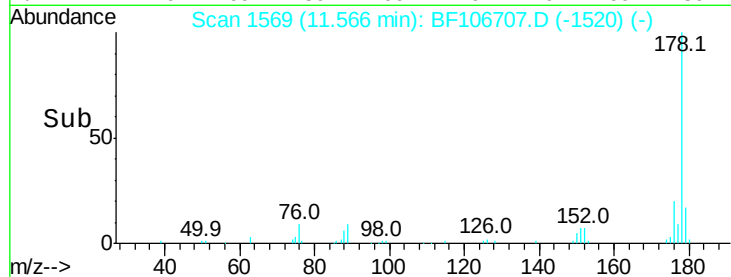
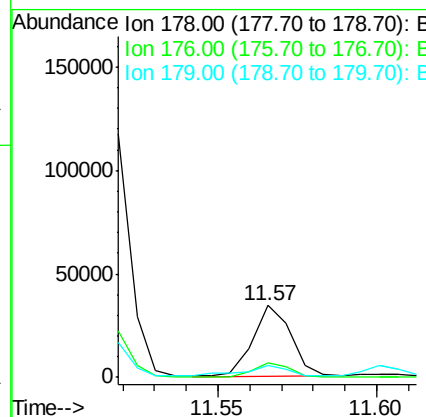
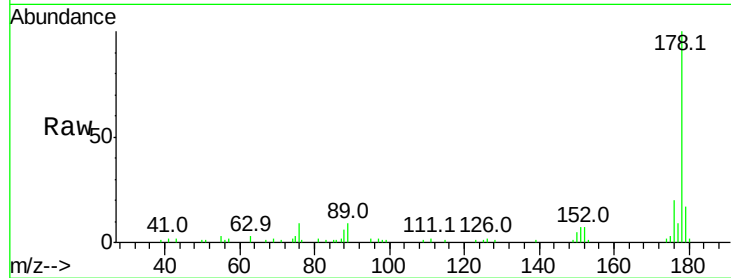
#71
 Anthracene
 Concen: 2.634 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(S)RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	17.4	12.6	19.0

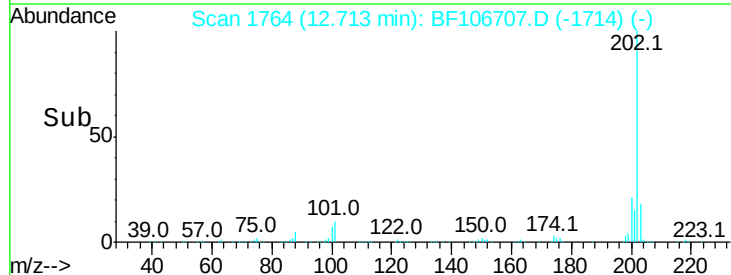
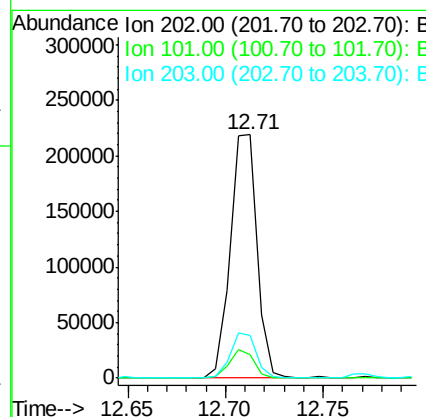
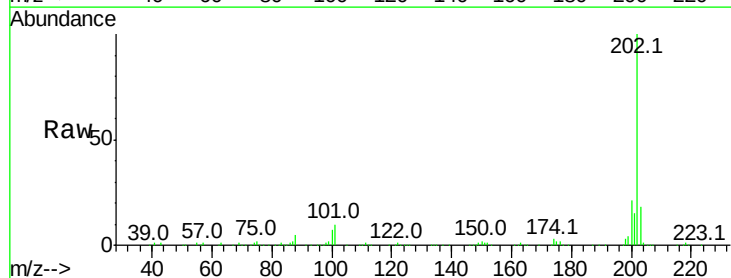
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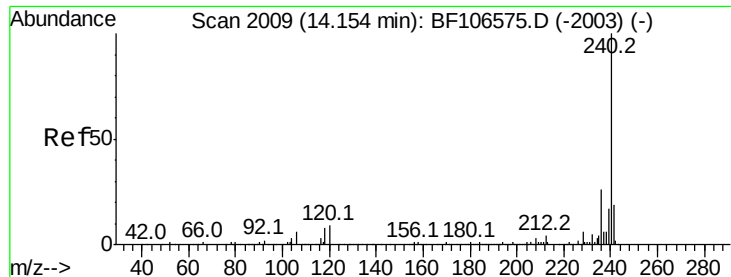
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#74
 Fluoranthene
 Concen: 17.681 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

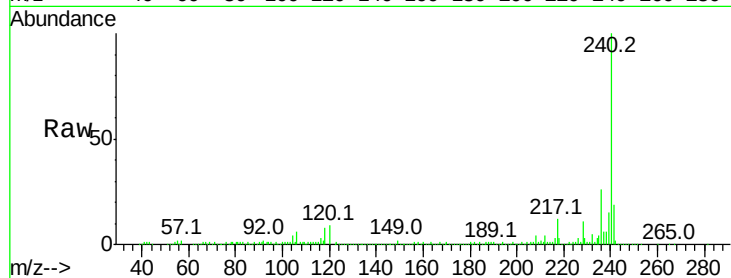
ClientSampleId :

AREA2(S)RE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	199014		
120	9.2	9.5	14.3	
236	25.9	20.7	31.1	

Manual Integrations
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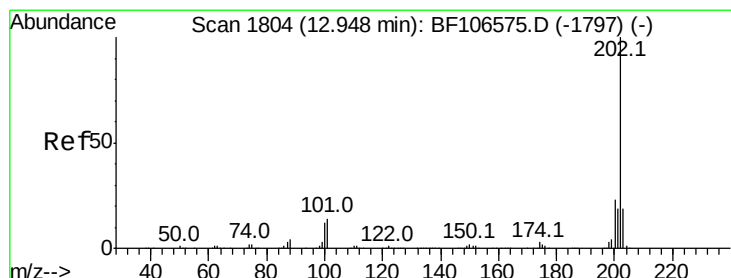
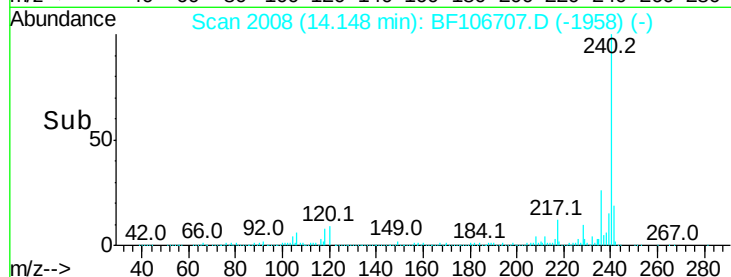
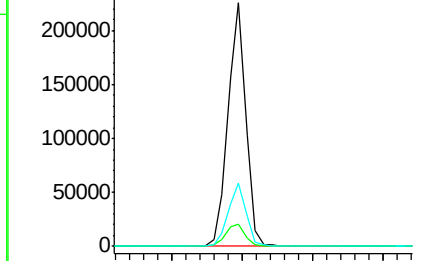
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.819 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106707.D

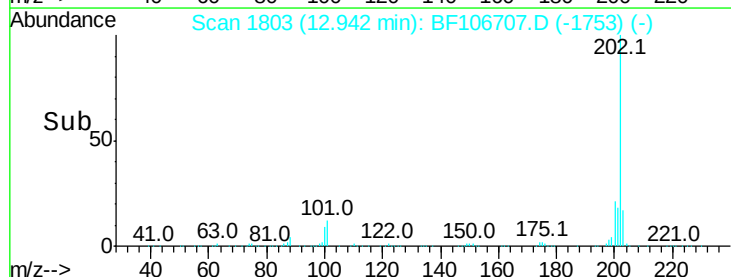
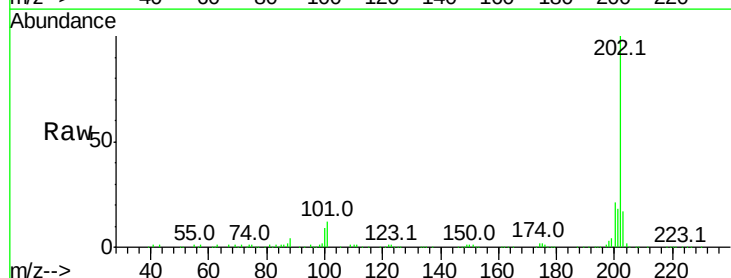
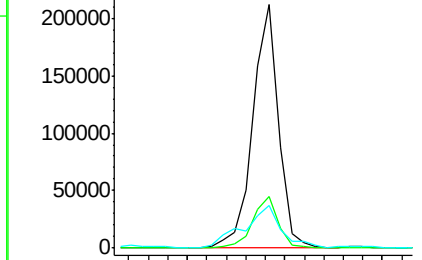
Acq: 22 Jun 2018 14:23

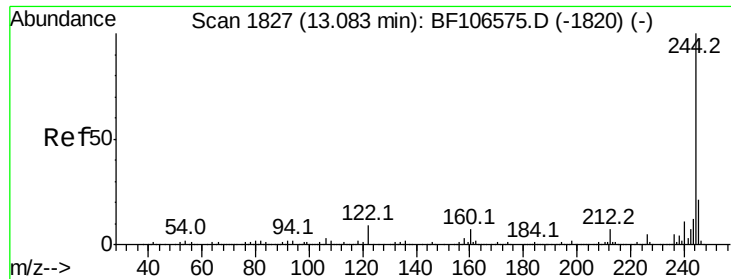
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	194483		
200	21.2	17.4	26.2	
203	17.3	14.3	21.5	

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: 18.471 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

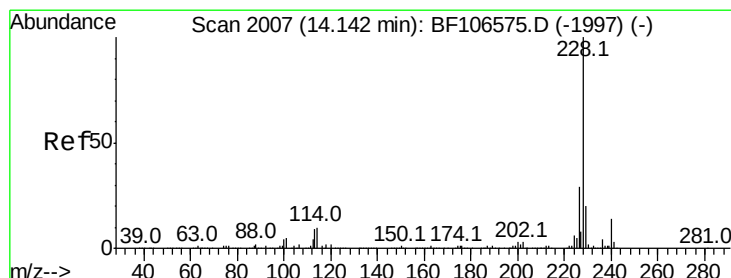
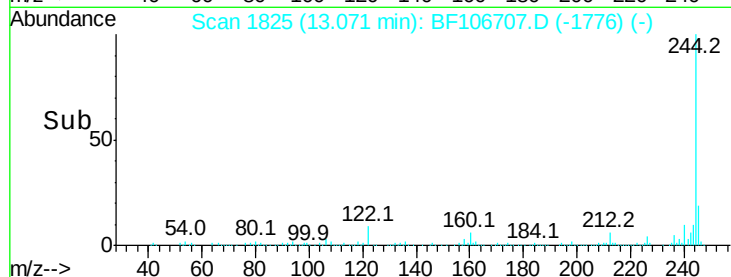
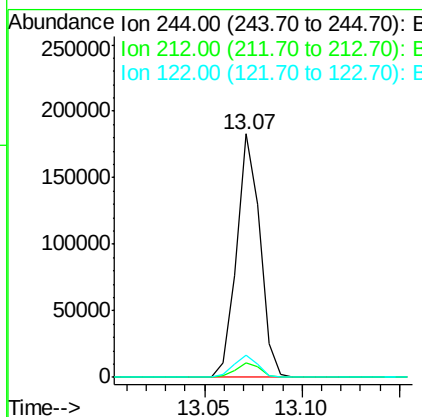
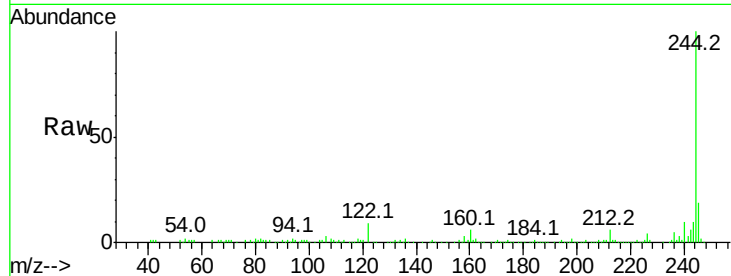
ClientSampleId :

AREA2(S)RE

Tot Ion:	244	Resp:	151756
Ion Ratio		Lower	Upper
244	100		
212	5.9	5.4	8.0
122	9.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 12.752 ng

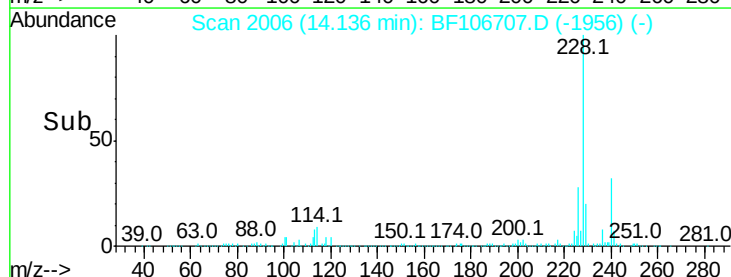
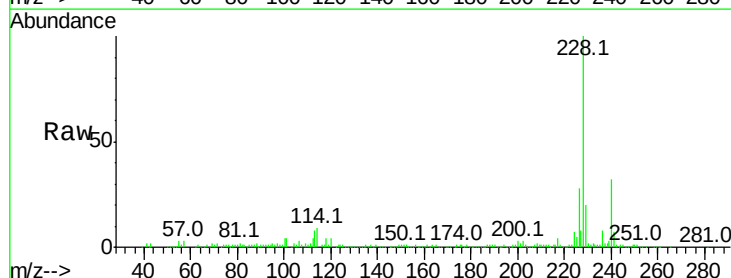
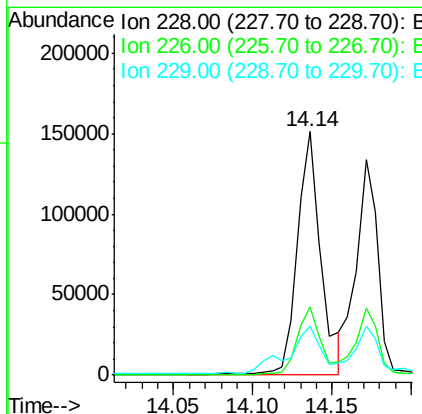
RT: 14.14 min Scan# 2006

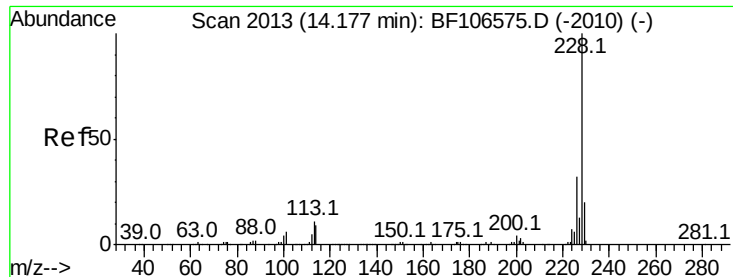
Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Tgt Ion:	228	Resp:	154677
Ion Ratio		Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.4	15.8	23.6





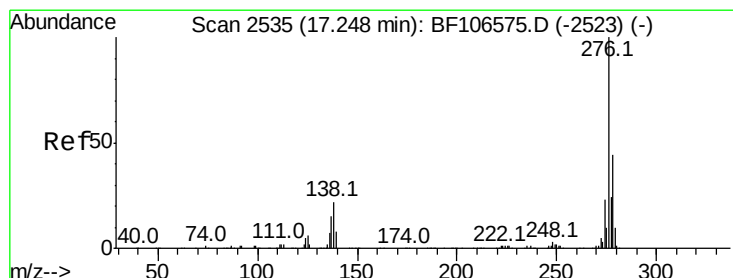
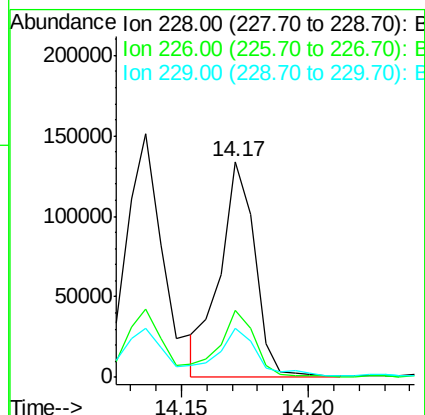
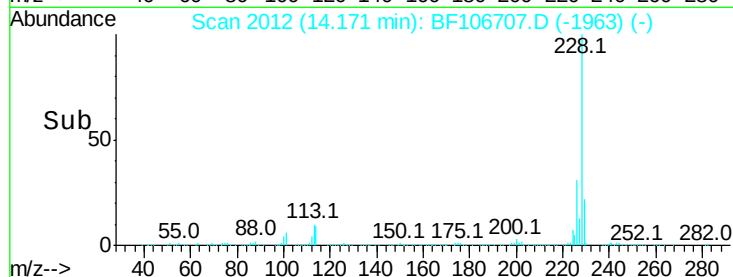
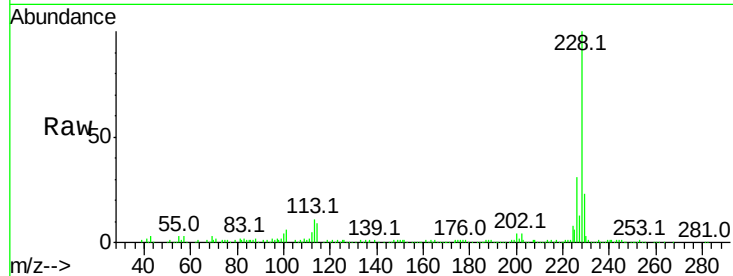
#82
Chrysene
Concen: 11.344 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Instrument :
BNA_F
ClientSampleId :
AREA2(S)RE

Tot Ion:	228	Resp:	126586
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.9	16.2	24.4

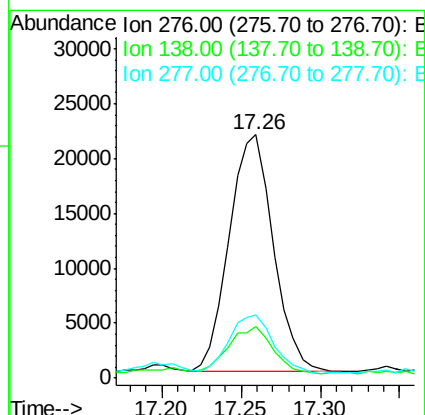
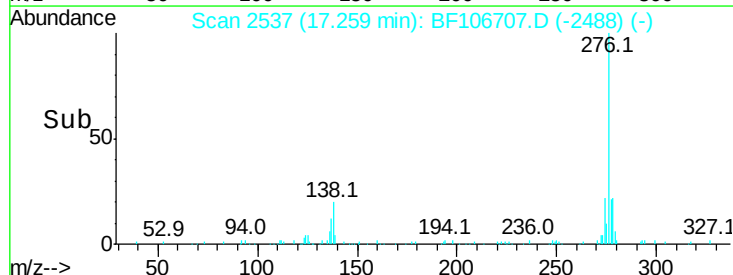
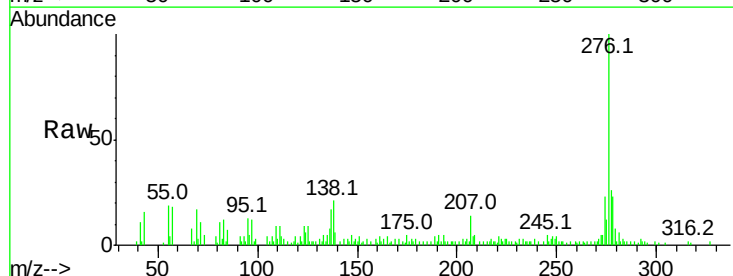
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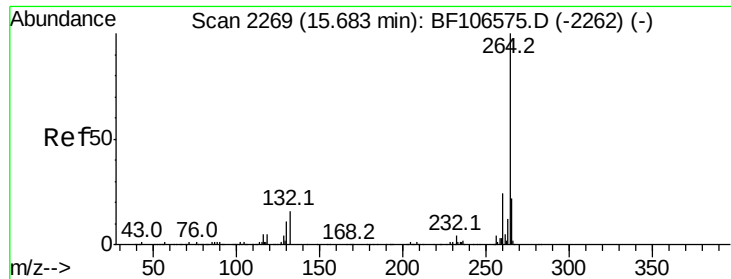
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion:	276	Resp:	41327
Ion Ratio	Lower	Upper	
276	100		
138	20.5	25.0	37.6#
277	24.5	20.1	30.1





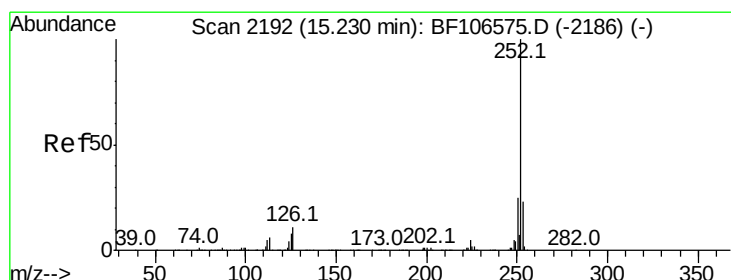
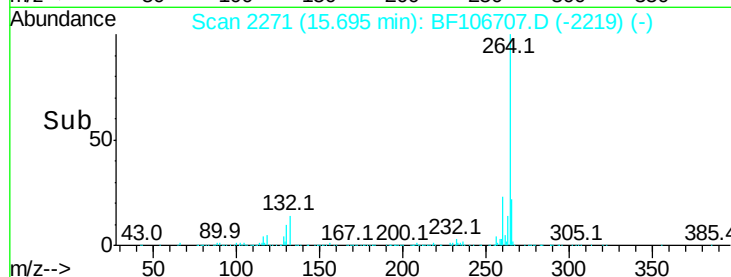
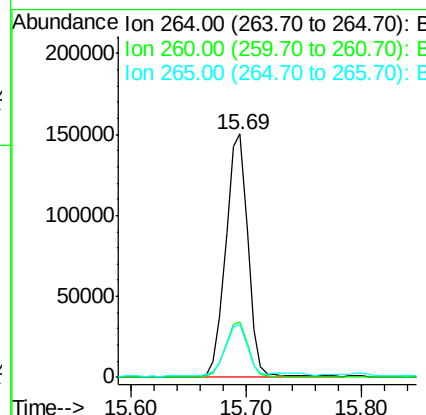
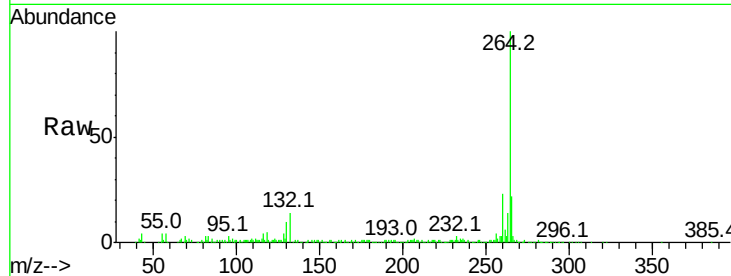
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Instrument :
BNA_F
ClientSampleId :
AREA2(S)RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.0	17.5	26.3

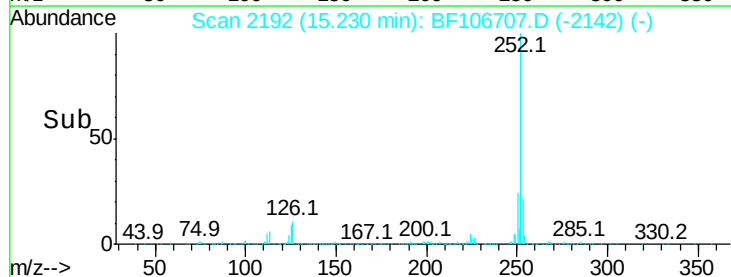
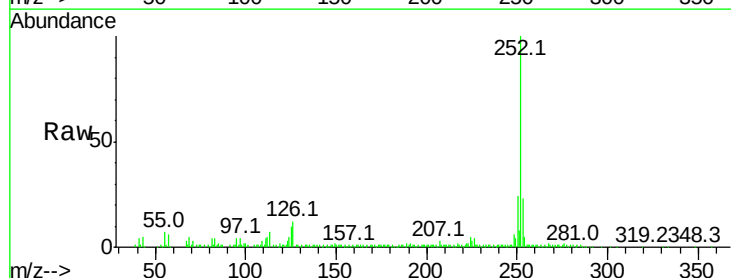
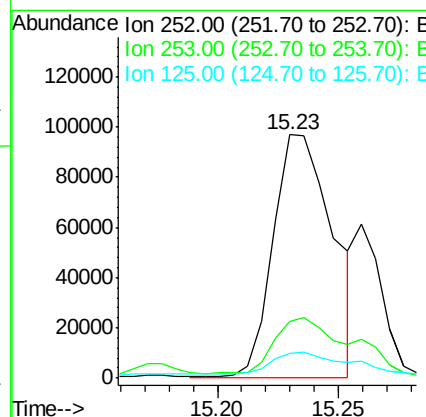
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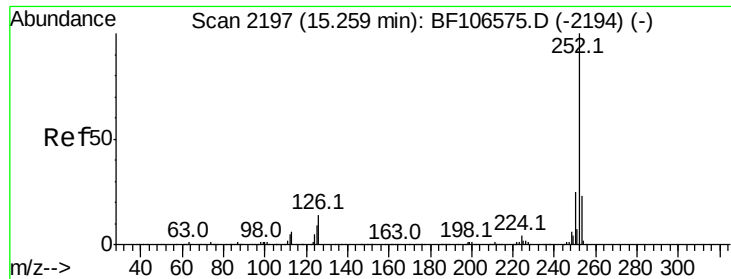
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#87
Benzo(b)fluoranthene
Concen: 13.496 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	10.3	9.0	13.6





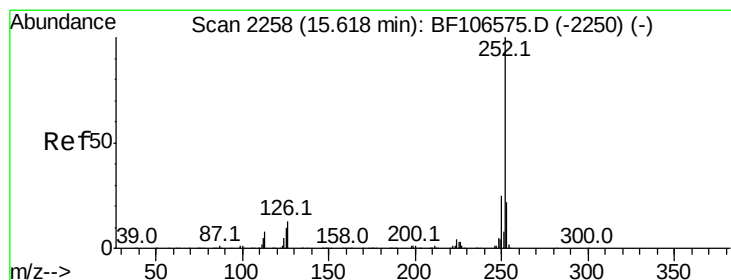
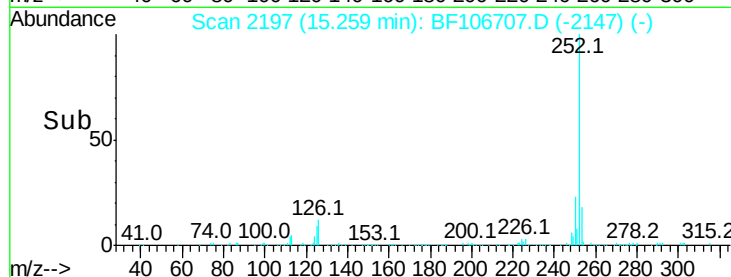
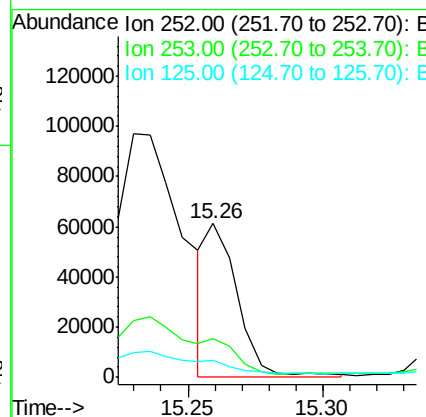
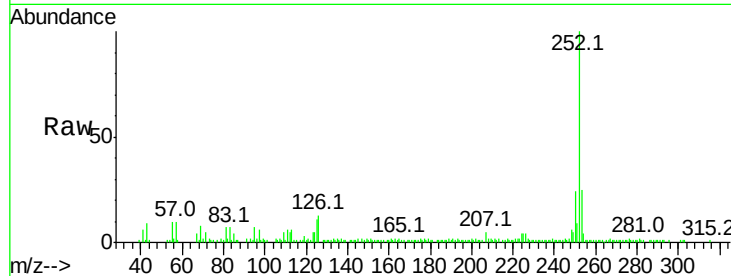
#88
Benzo(k)fluoranthene
Concen: 4.218 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Instrument :
BNA_F
ClientSampleId :
AREA2(S)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	10.8	10.2	15.2

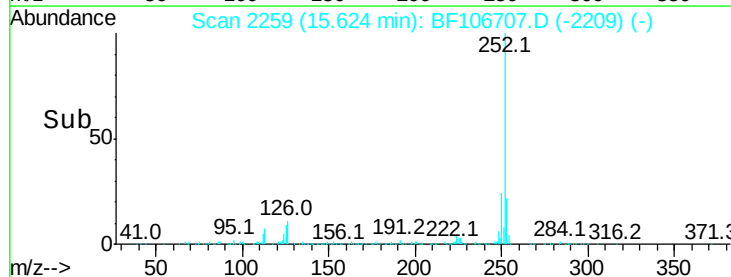
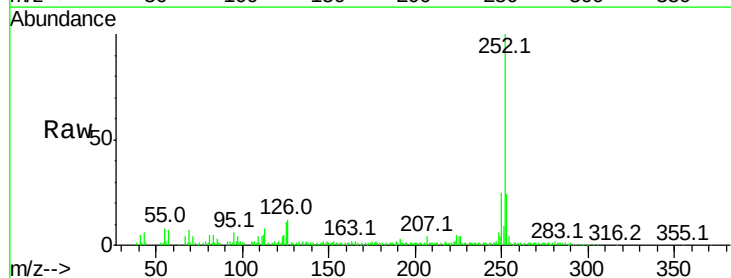
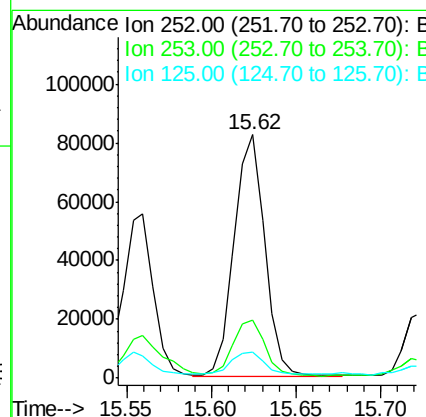
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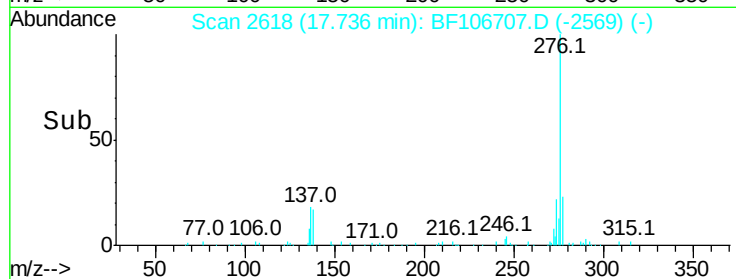
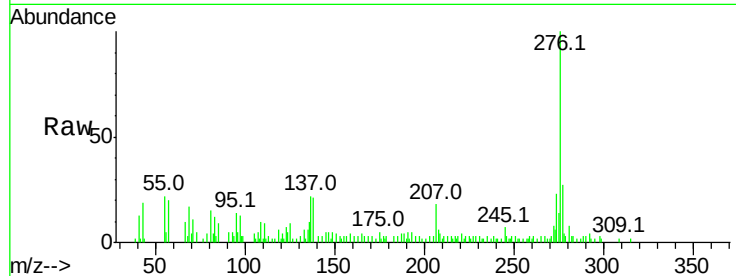
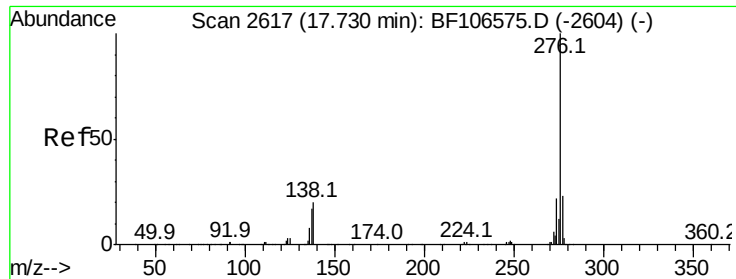
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#89
Benzo(a)pyrene
Concen: 9.501 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.296 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(S)RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	21.1	21.8	32.8#

Manual Integrations
 APPROVED

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