

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\
 Data File : BF106971.D
 Acq On : 29 Jun 2018 14:25
 Operator : JU/SJ
 Sample : J3677-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B3(0-5)

Manual Integrations
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Sohil
 6/30/2018 10:58:00 AM

Quant Time: Jun 29 15:39:28 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 29 11:40:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	71215	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	276885	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	133578	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	239187	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	207817	20.00	ng	-0.02
86) Perylene-d12	15.69	264	165005	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	403432	95.93	ng	0.00
7) Phenol-d6	6.60	99	512589	97.60	ng	-0.01
23) Nitrobenzene-d5	7.52	82	319795	64.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	160724	103.81	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	606242	75.10	ng	-0.02
78) Terphenyl-d14	13.07	244	617897	72.02	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	89512	8.935	ng	99
70) Phenanthrene	11.51	178	40328	3.496	ng	98
74) Fluoranthene	12.71	202	86792	6.826	ng	93
77) Pyrene	12.94	202	78015	5.693	ng	98
80) Benzo(a)anthracene	14.14	228	43525	3.436	ng	99
82) Chrysene	14.17	228	50887	4.367	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	22327	2.258	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	55811m	5.445	ng	
88) Benzo(k)fluoranthene	15.27	252	20277m	2.077	ng	
89) Benzo(a)pyrene	15.63	252	34304	3.765	ng	95
91) Benzo(g,h,i)perylene	17.75	276	22224	2.944	ng	93

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

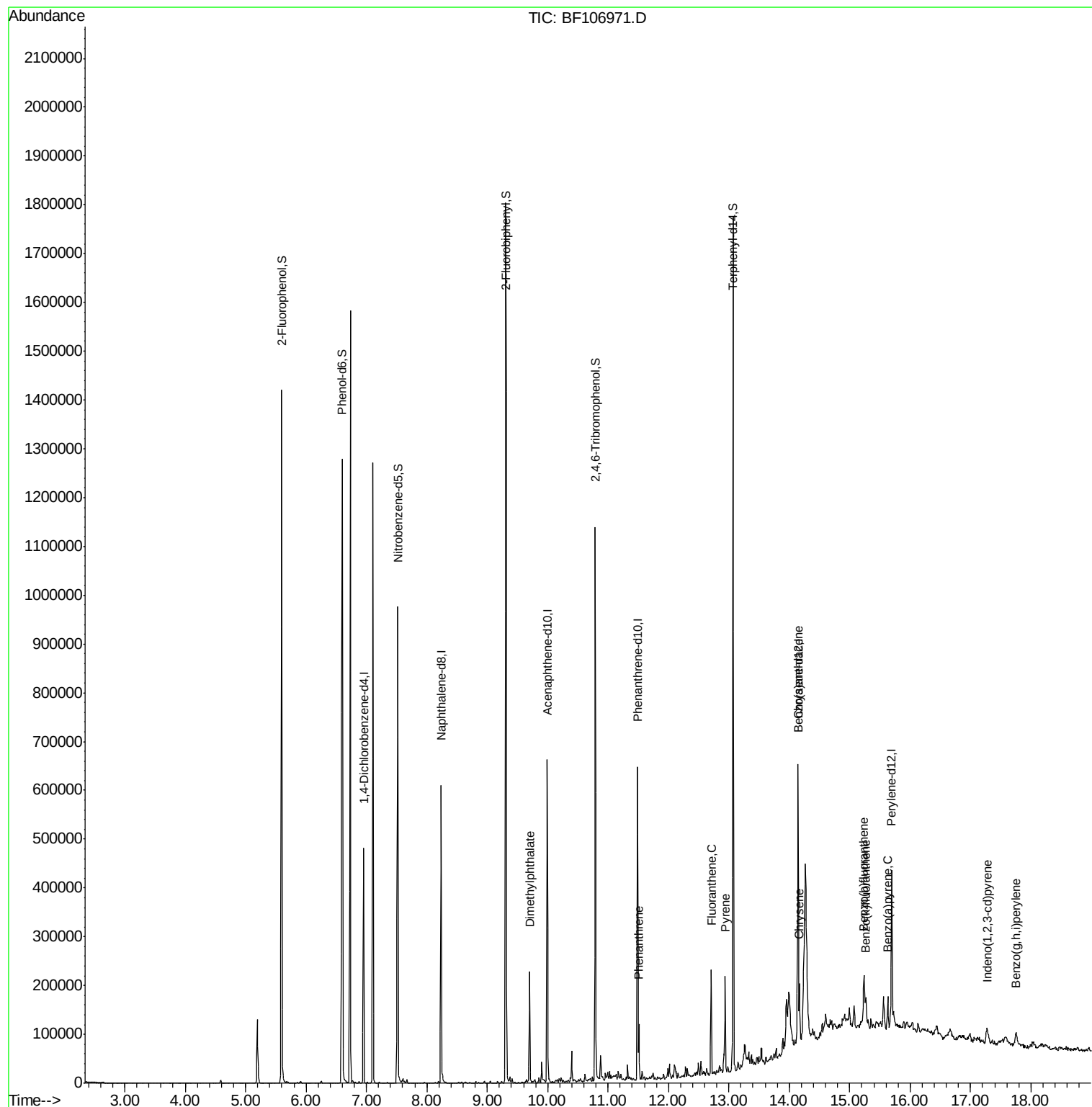
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\
Data File : BF106971.D
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Operator : JU/SJ
Sample : J3677-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

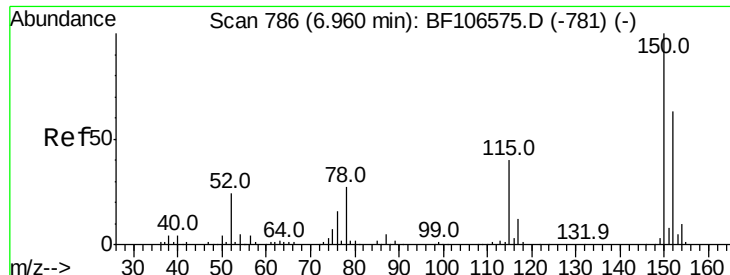
Instrument :
BNA_F
ClientSampleId :
147-149-B3(0-5)

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#1

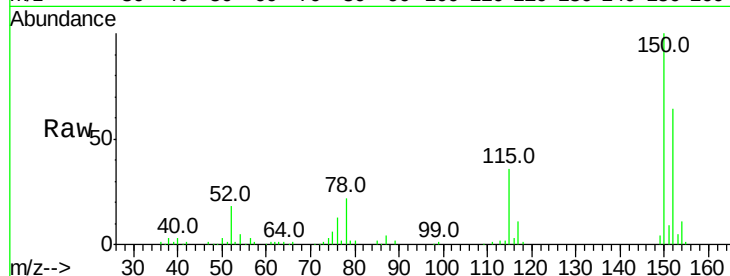
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Instrument :
BNA_F
ClientSampleId :
147-149-B3(0-5)

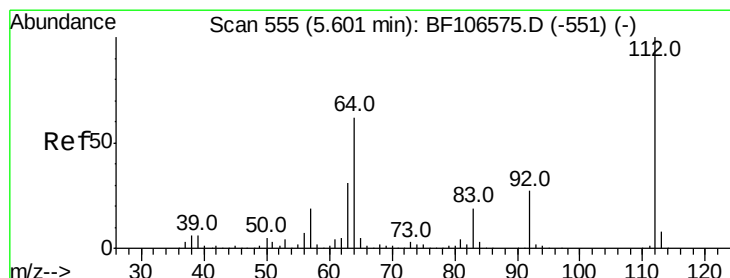
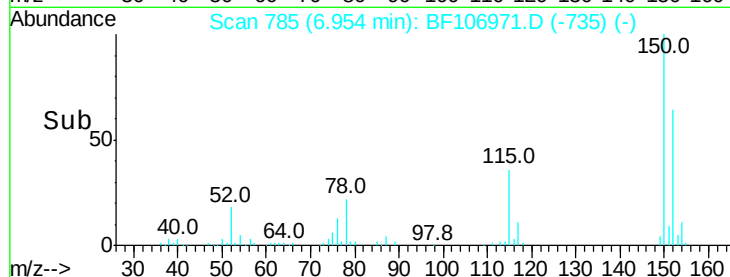
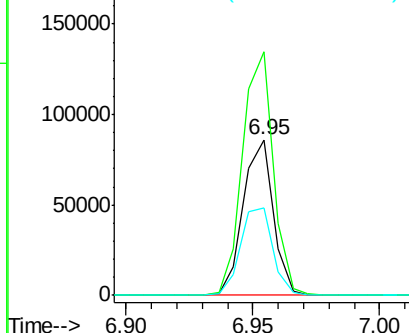
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	56.1	50.1	75.1

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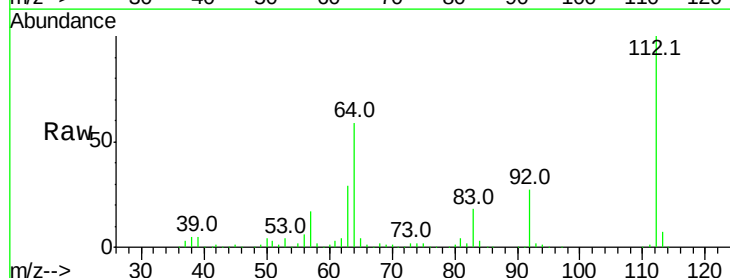
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



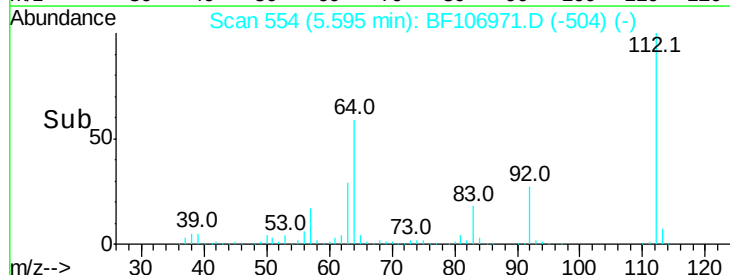
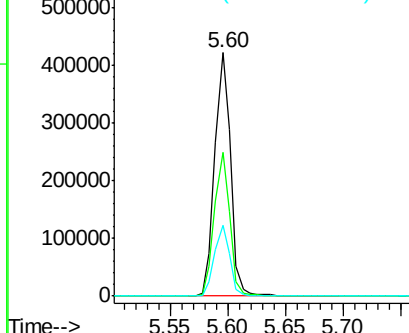
#5

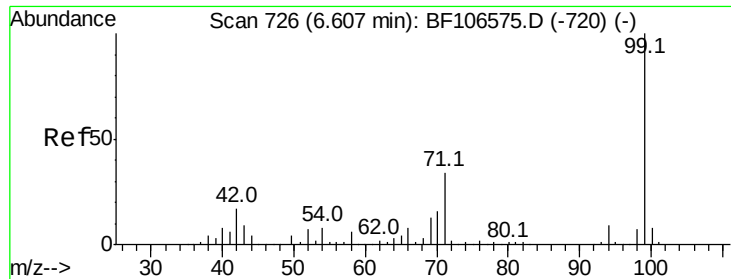
2-Fluorophenol
Concen: 95.926 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	29.0	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: 97.598 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106971.D

Acq: 29 Jun 2018 14:25

Instrument :

BNA_F

ClientSampleId :

147-149-B3(0-5)

Tot Ion: 99 Resp: 512589

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

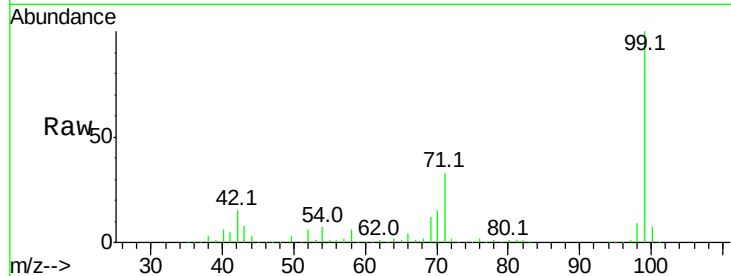
71 32.9 25.4 38.0

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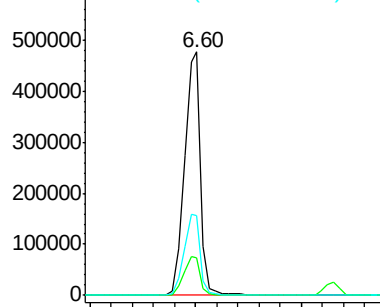
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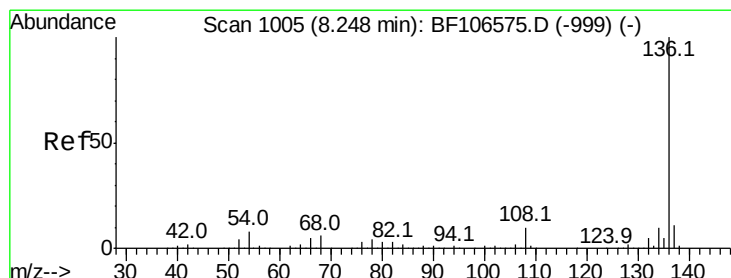
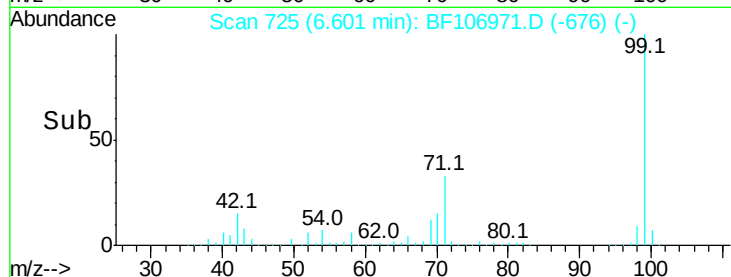
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106971.D

Acq: 29 Jun 2018 14:25

Tgt Ion: 136 Resp: 276885

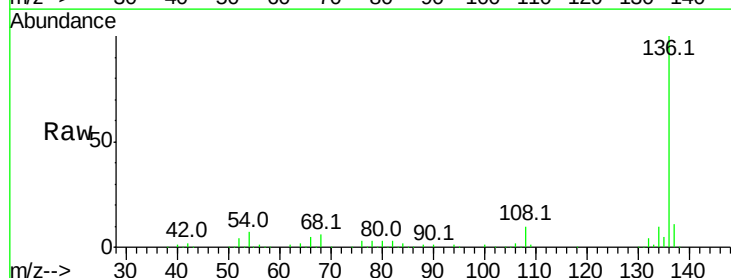
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 6.6 9.8

68 5.5 5.0 7.4

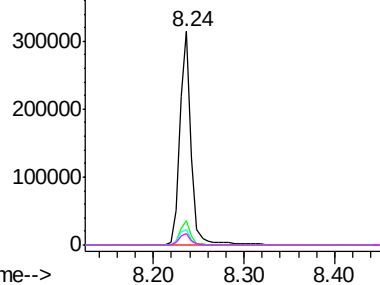


Abundance Ion 136.00 (135.70 to 136.70): E

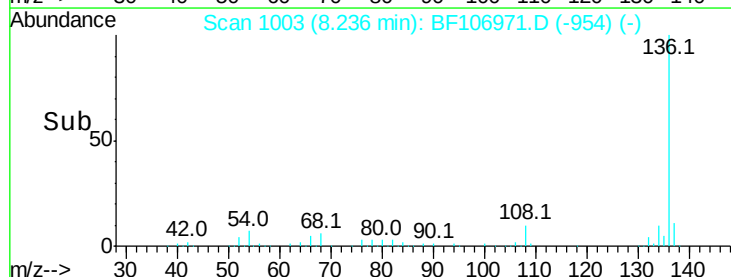
Ion 137.00 (136.70 to 137.70): E

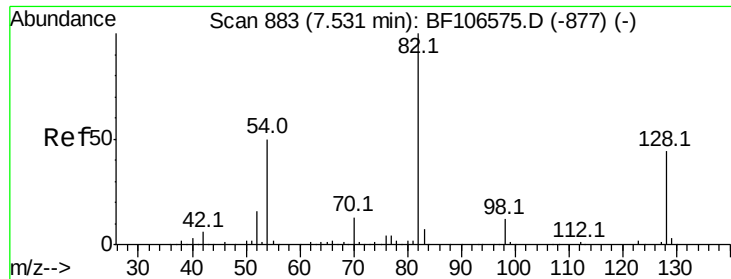
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->





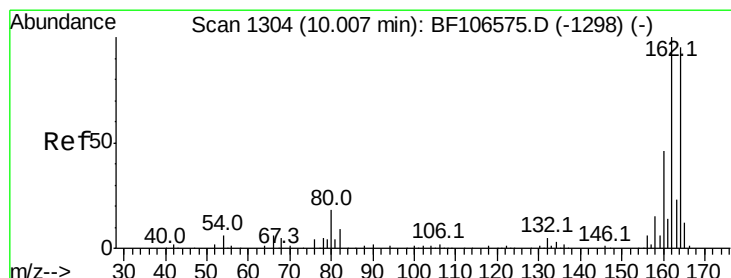
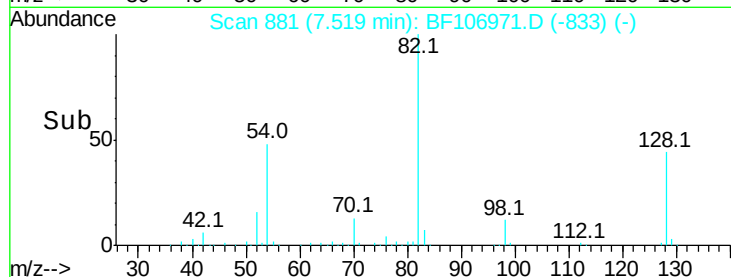
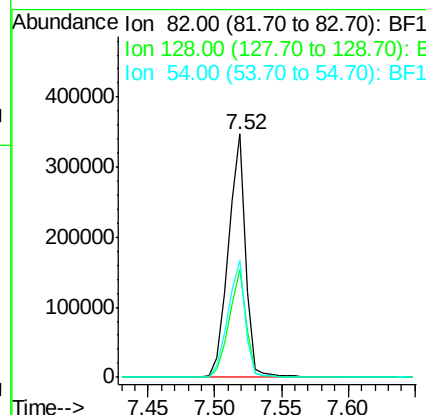
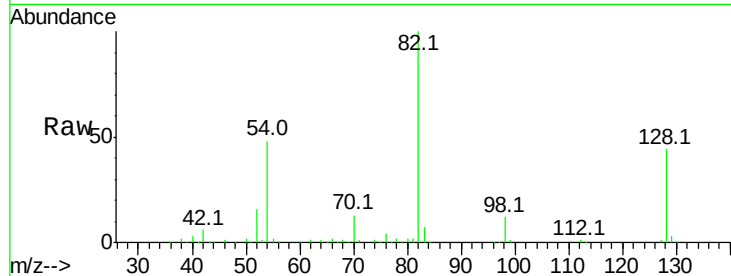
#23
 Nitrobenzene-d5
 Concen: 64.186 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	47.8	41.4	62.2

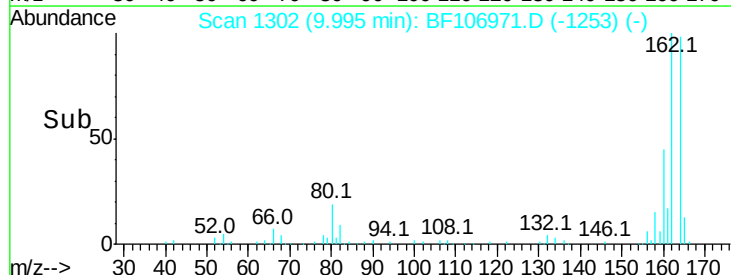
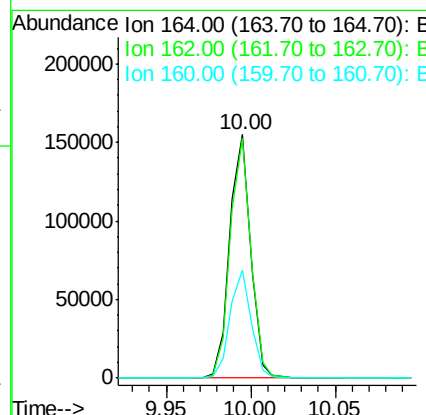
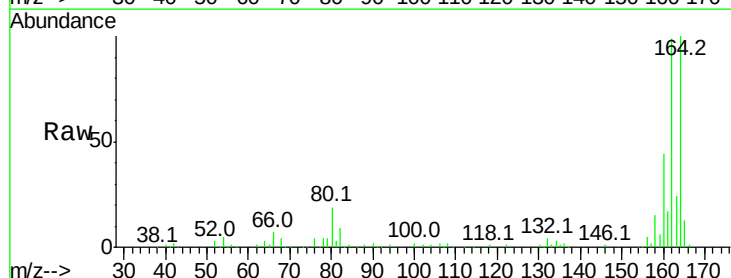
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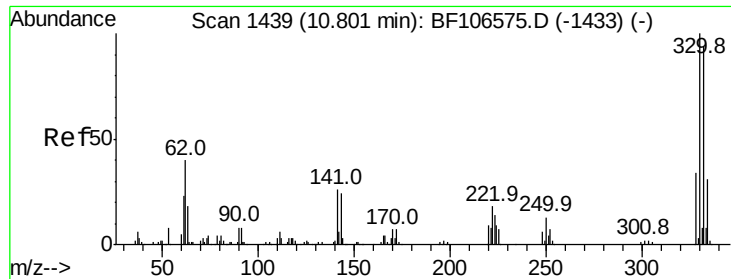
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	86.1	129.1
160	44.3	38.3	57.5





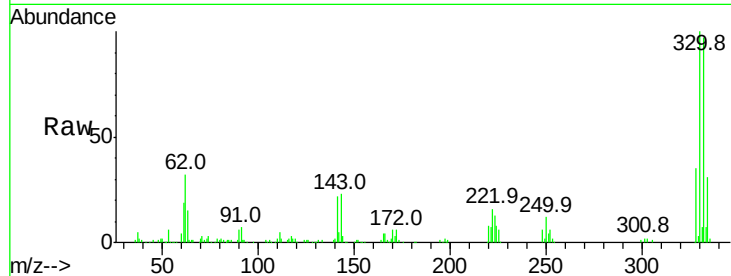
#41
 2,4,6-Tribromophenol
 Concen: 103.813 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B3(0-5)

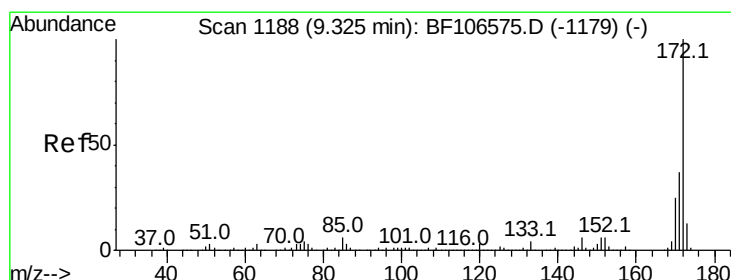
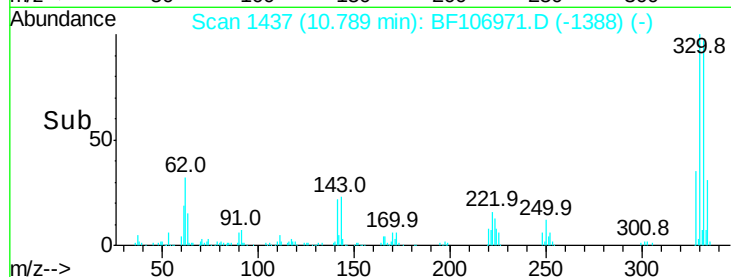
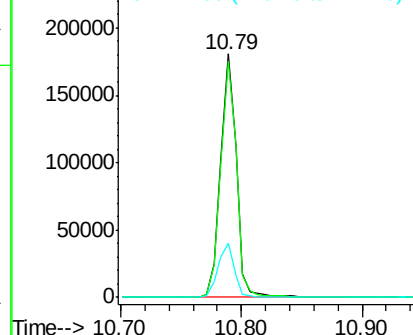
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	23.1	29.9	44.9#

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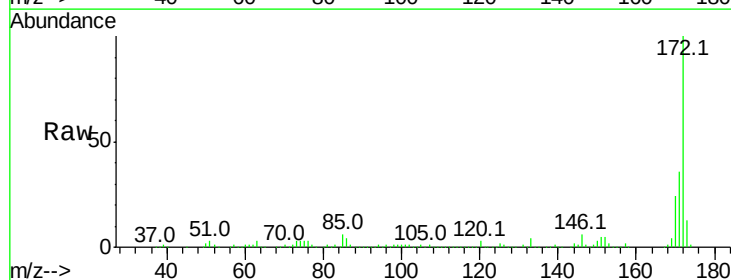


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

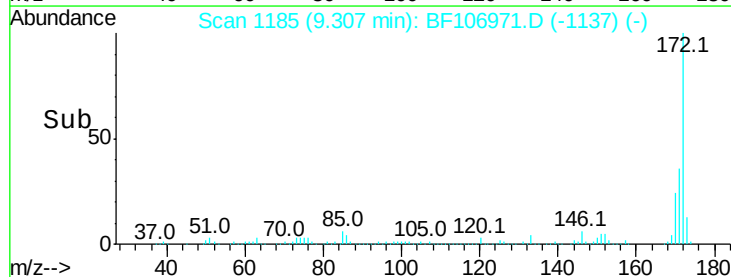
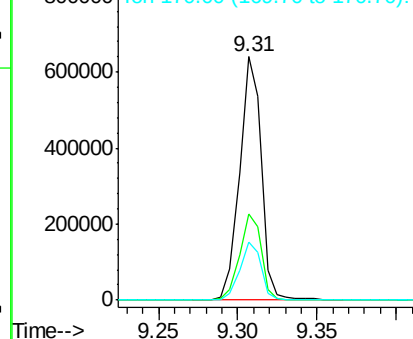


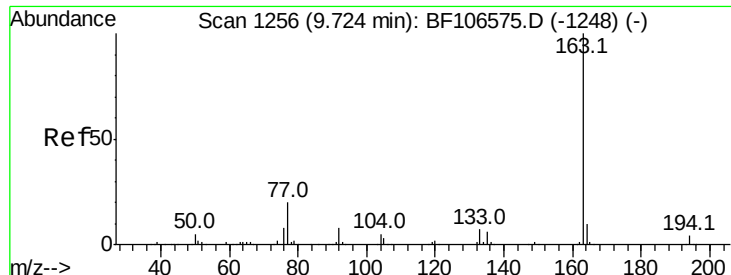
#44
 2-Fluorobiphenyl
 Concen: 75.102 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	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





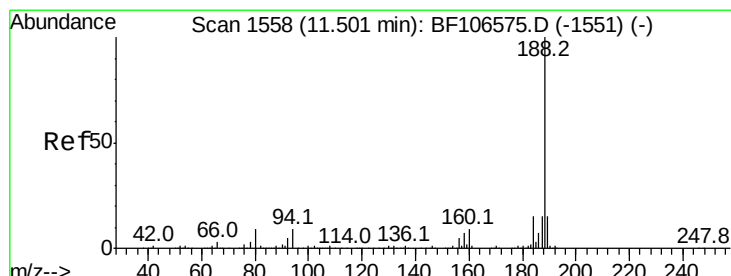
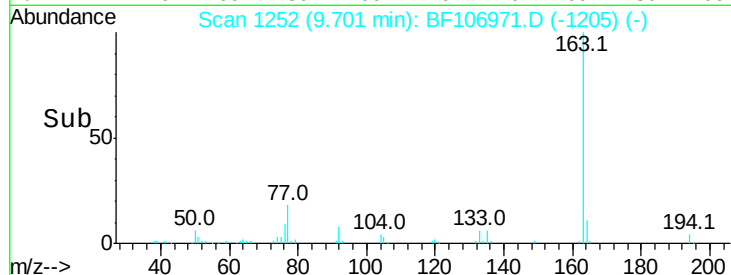
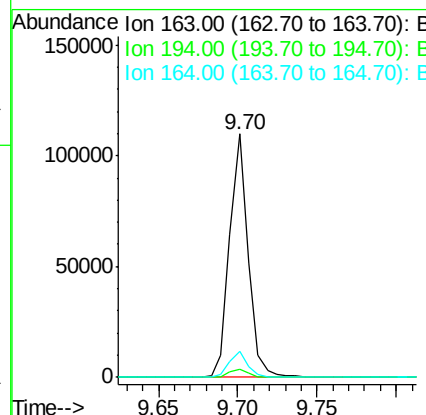
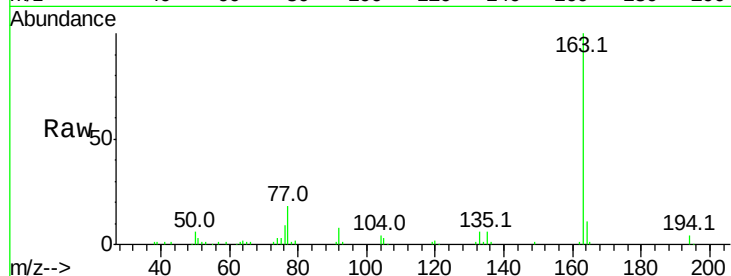
#49
Dimethylphthalate
Concen: 8.935 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Instrument :
BNA_F
ClientSampleId :
147-149-B3(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	10.6	8.2	12.2	

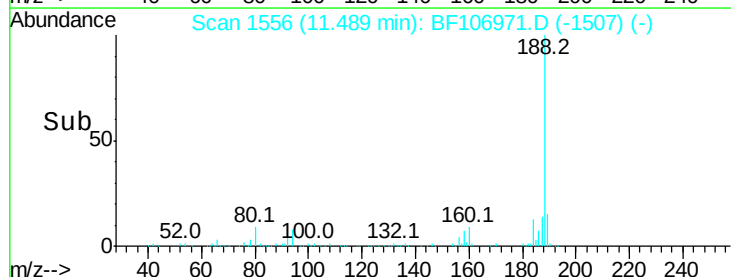
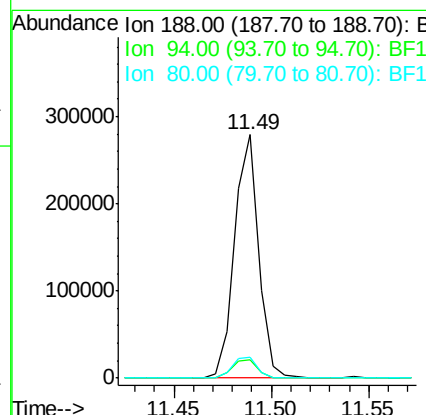
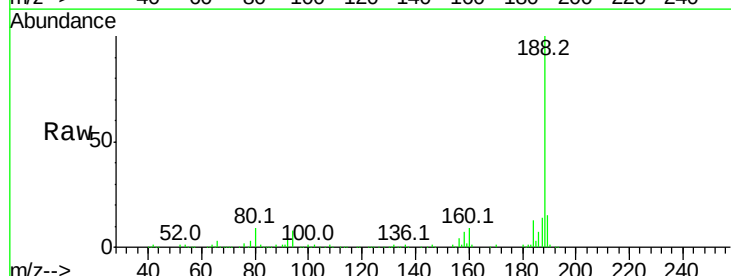
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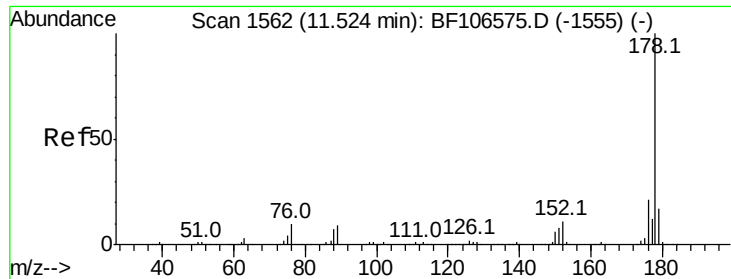
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.6	8.5	12.7#	
80	8.5	9.2	13.8#	





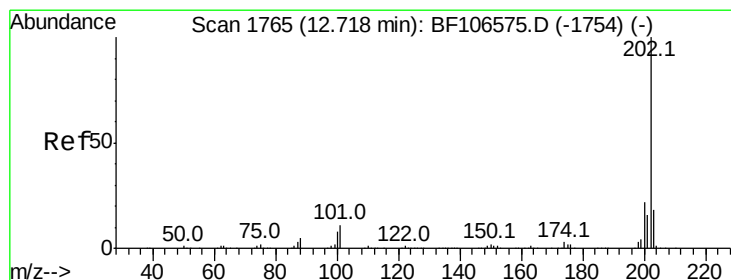
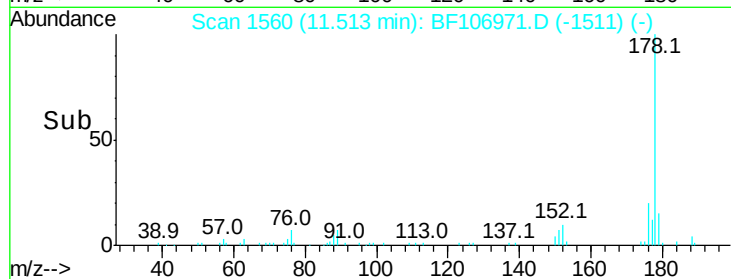
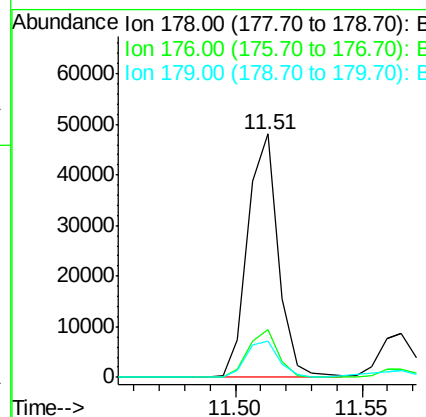
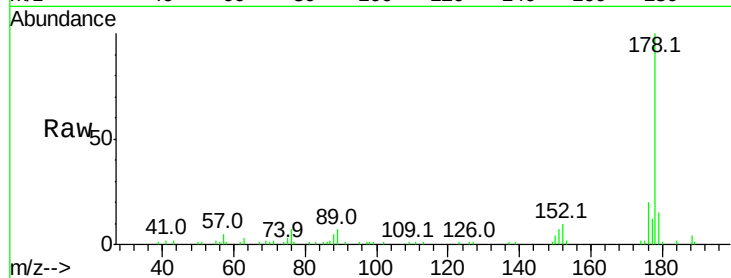
#70
Phenanthrene
Concen: 3.496 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Instrument :
BNA_F
ClientSampleId :
147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.0	13.0	19.6

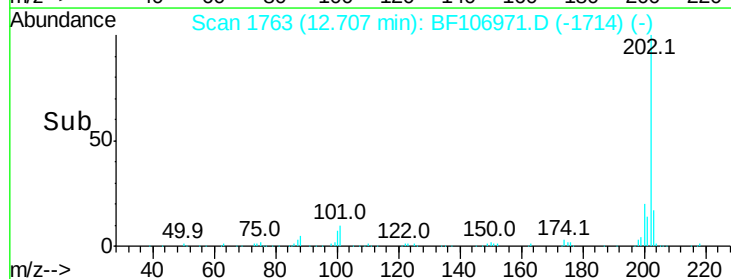
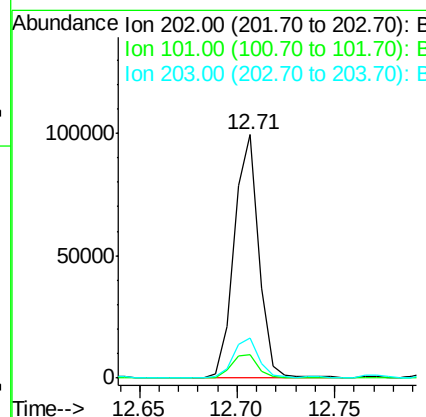
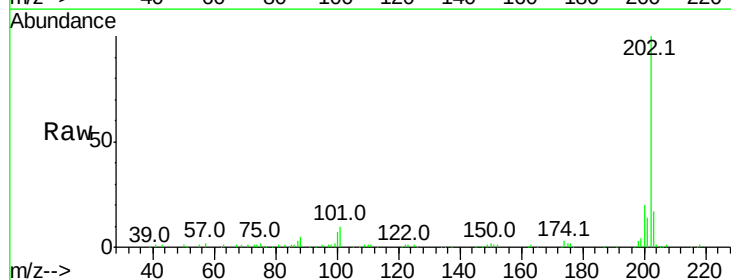
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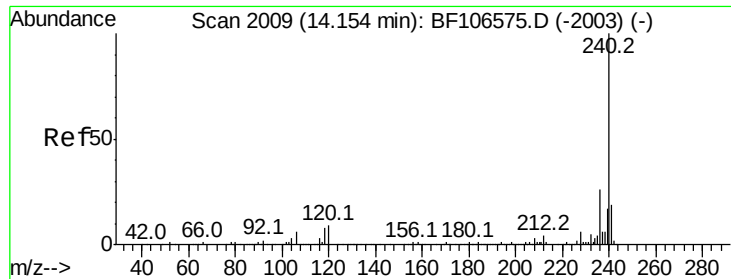
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#74
Fluoranthene
Concen: 6.826 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF106971.D

Acq: 29 Jun 2018 14:25

Instrument :

BNA_F

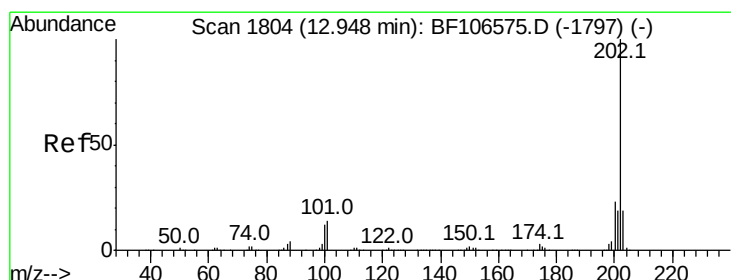
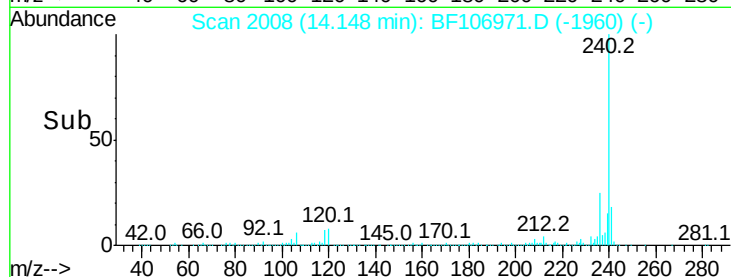
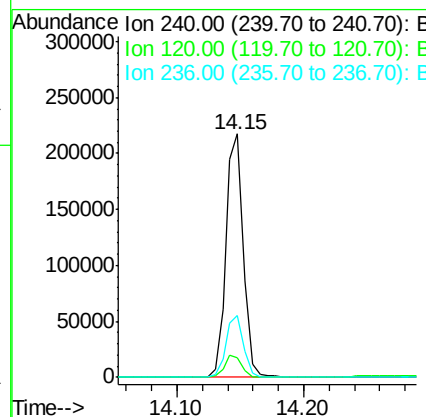
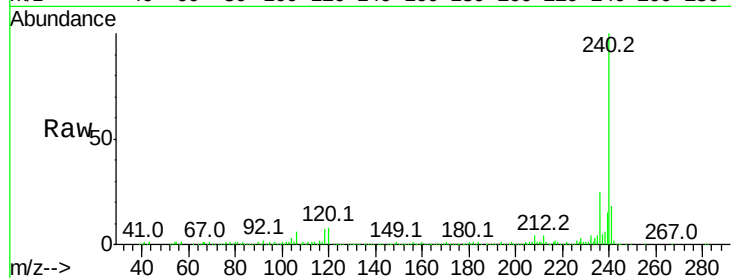
ClientSampleId :

147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	9.5	14.3#
236	25.5	20.7	31.1

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#77

Pyrene

Concen: 5.693 ng

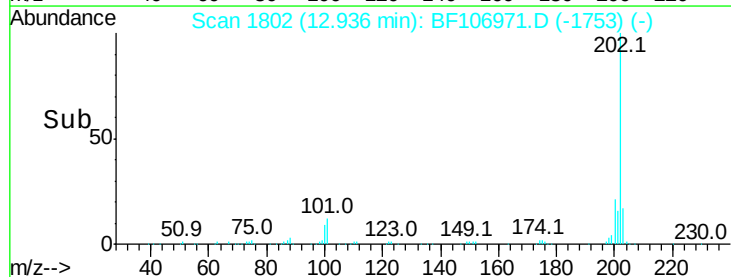
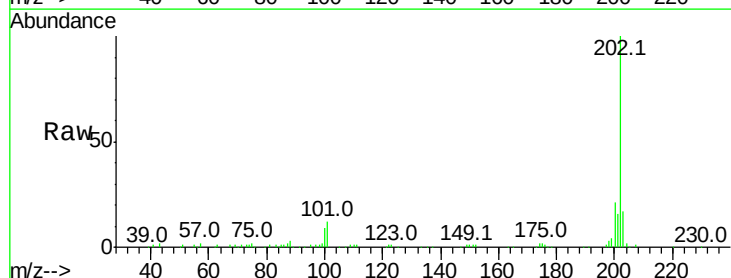
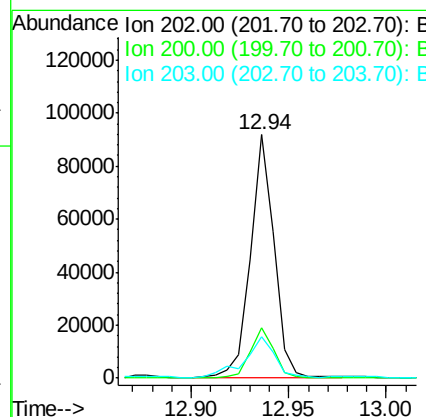
RT: 12.94 min Scan# 1802

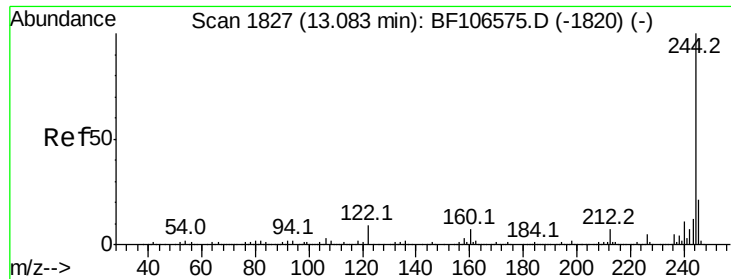
Delta R.T. -0.01 min

Lab File: BF106971.D

Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.1	14.3	21.5





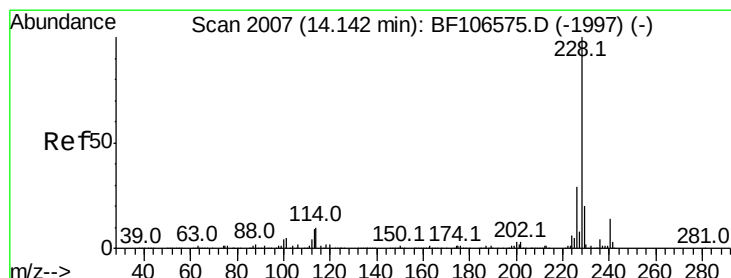
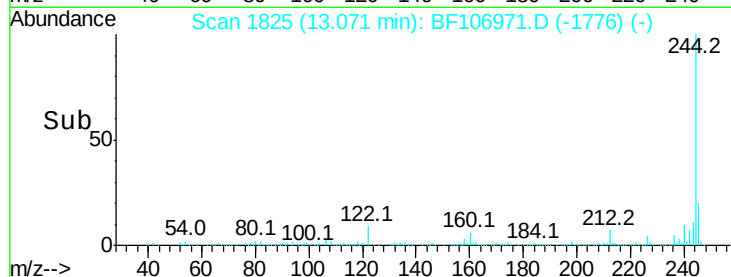
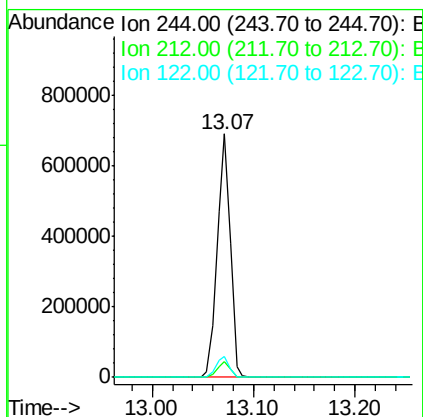
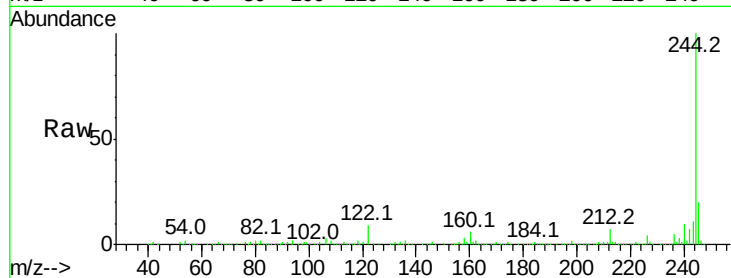
#78
 Terphenyl-d14
 Concen: 72.022 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.6	11.0	16.4

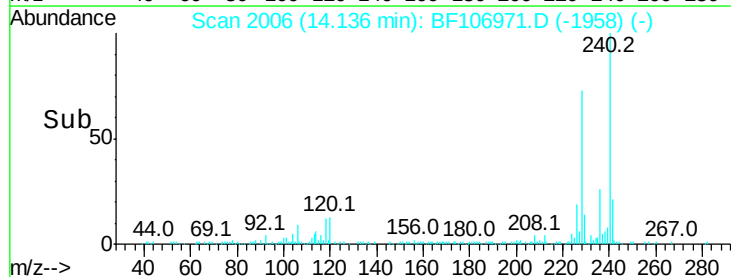
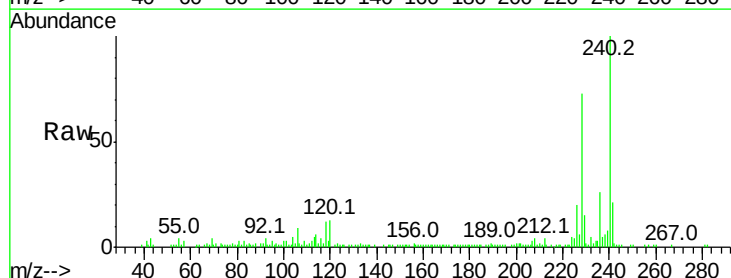
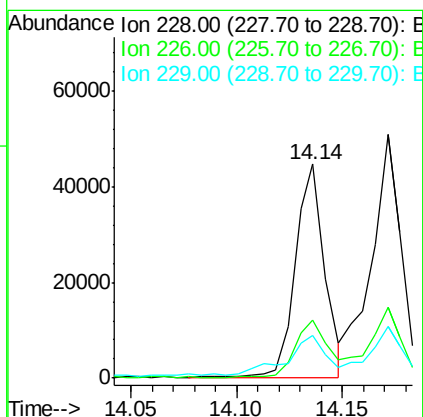
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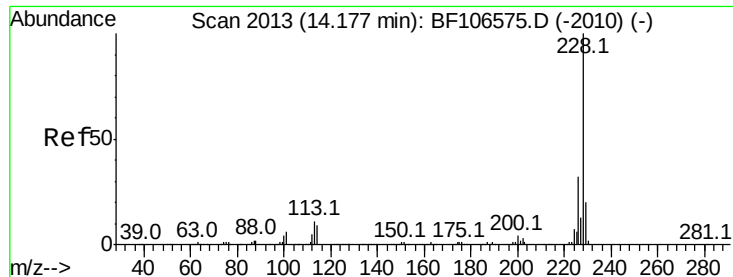
Sohil
 6/30/2018 10:58:00 AM



#80
 Benzo(a)anthracene
 Concen: 3.436 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 4.367 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF106971.D

Acq: 29 Jun 2018 14:25

Instrument :

BNA_F

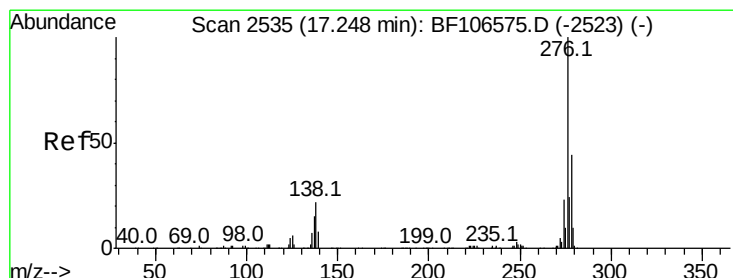
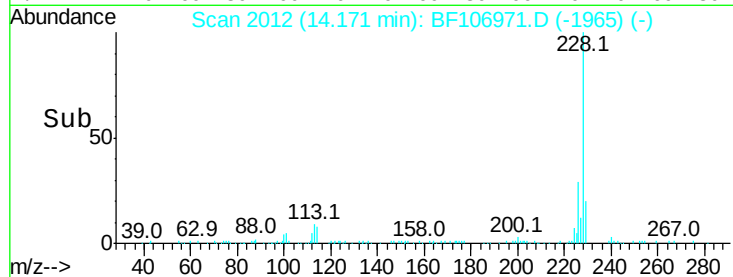
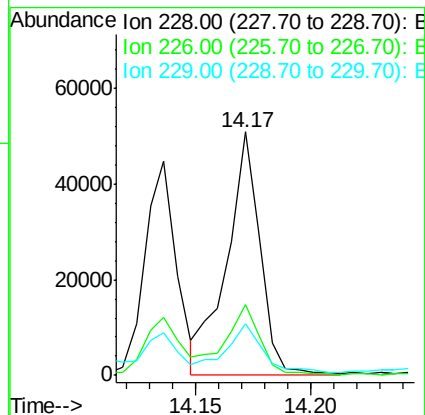
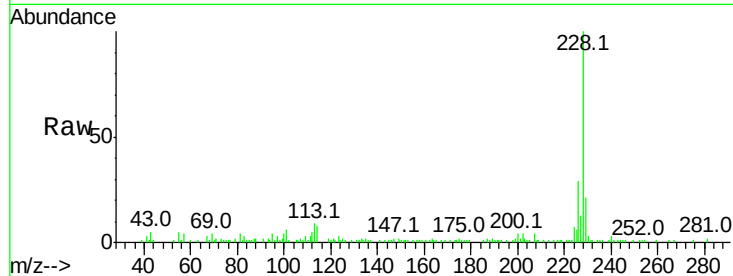
ClientSampleId :

147-149-B3(0-5)

Tot Ion:	228	Resp:	50887
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	21.3	16.2	24.4

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6/30/2018 10:58:00 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.258 ng

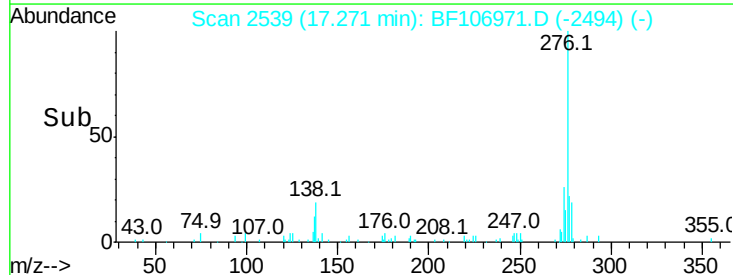
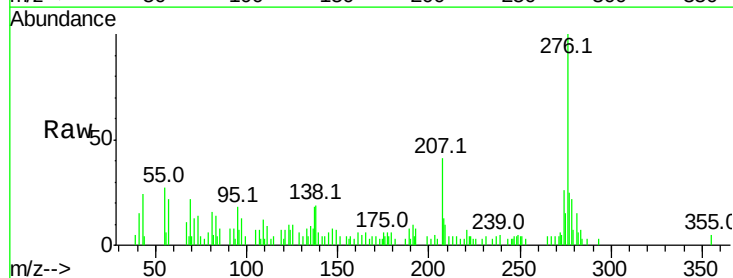
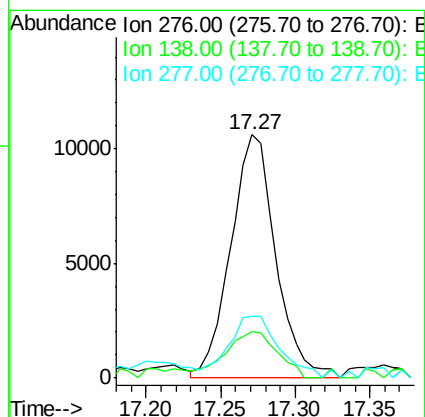
RT: 17.27 min Scan# 2539

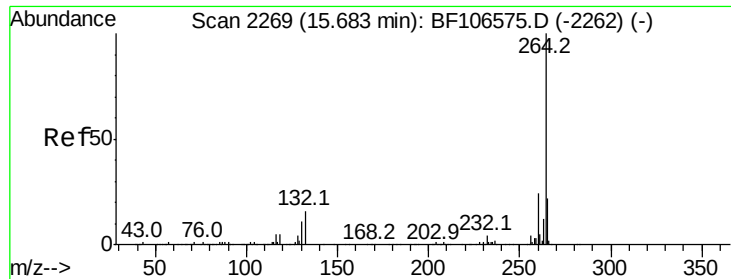
Delta R.T. -0.04 min

Lab File: BF106971.D

Acq: 29 Jun 2018 14:25

Tgt Ion:	276	Resp:	22327
Ion Ratio	Lower	Upper	
276	100		
138	22.0	25.0	37.6#
277	28.4	20.1	30.1





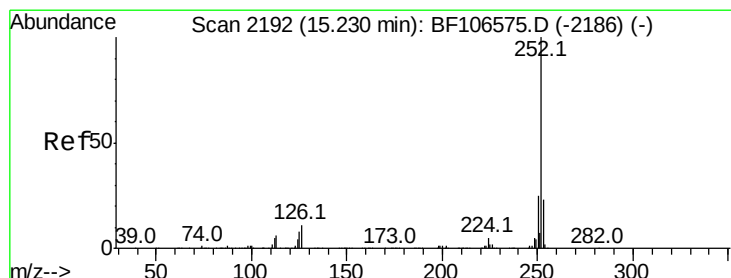
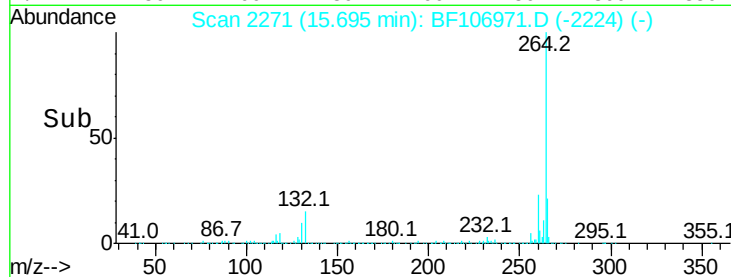
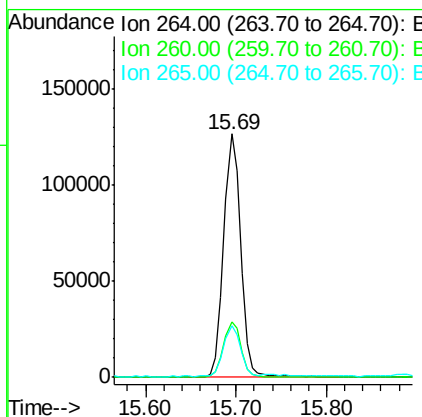
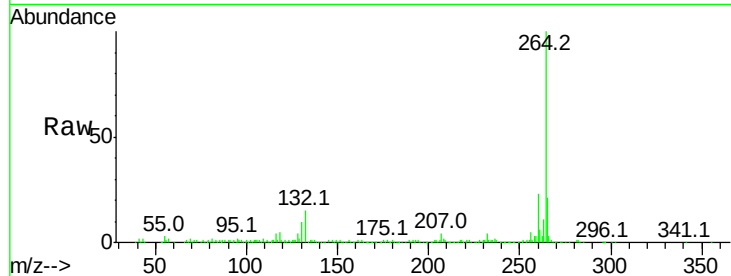
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Instrument :
BNA_F
ClientSampleId :
147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.4	17.5	26.3

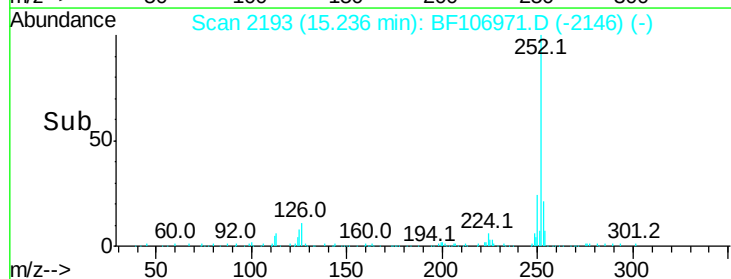
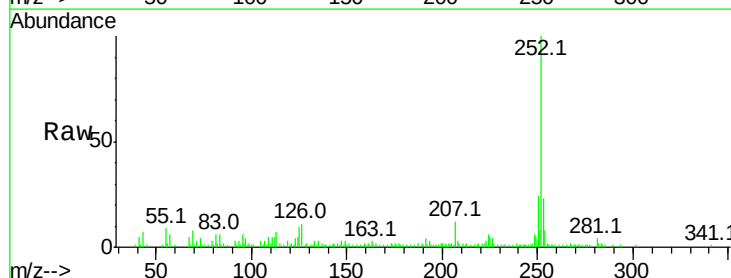
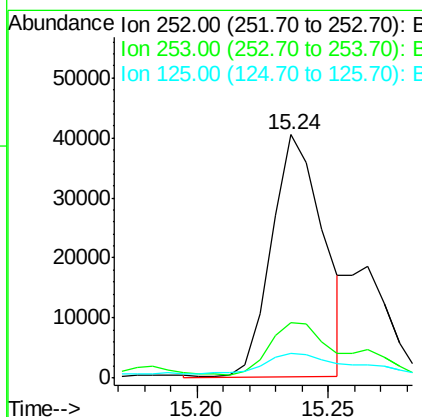
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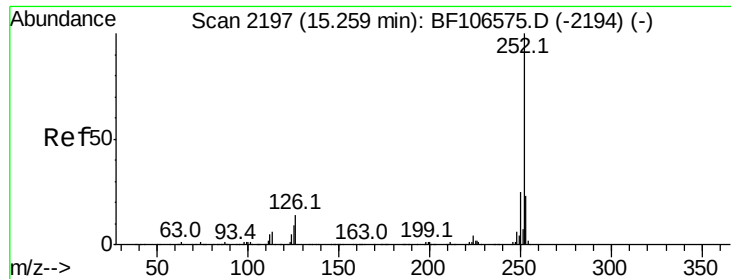
Sohil
6/30/2018 10:58:00 AM



#87
Benzo(b)fluoranthene
Concen: 5.445 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.2	9.0	13.6





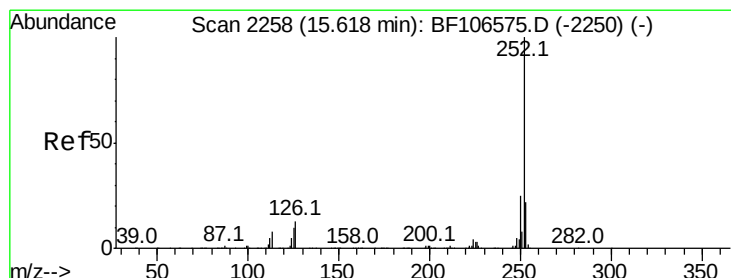
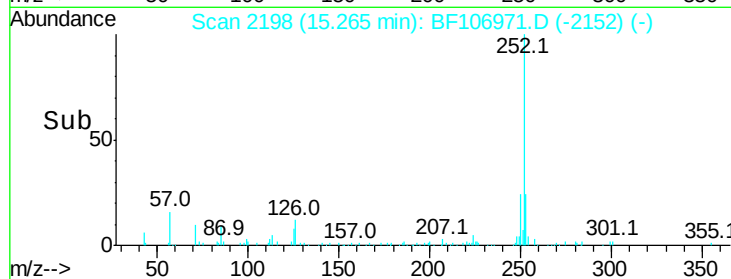
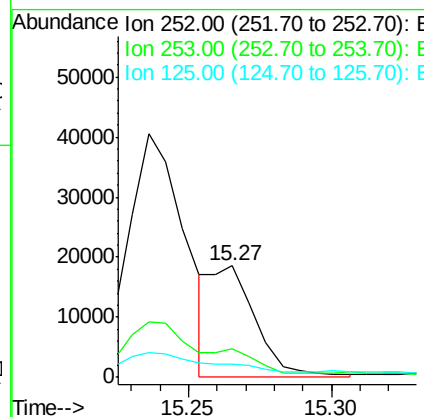
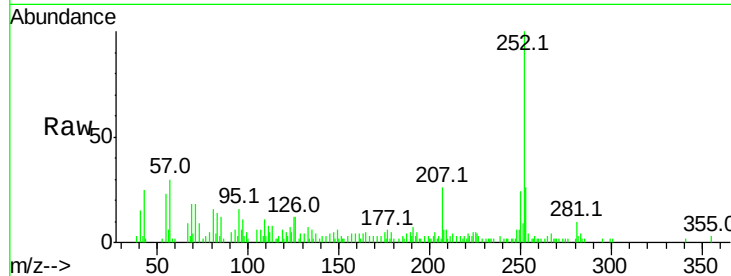
#88
Benzo(k)fluoranthene
Concen: 2.077 ng
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Instrument :
BNA_F
ClientSampleId :
147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	12.4	10.2	15.2

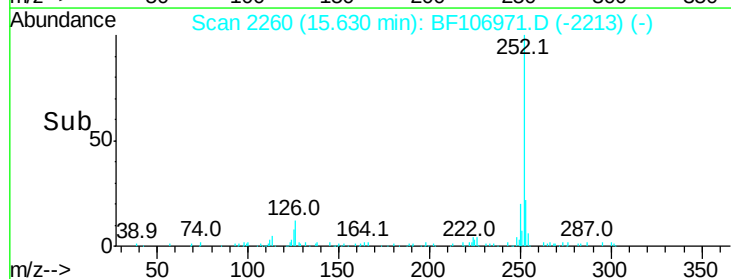
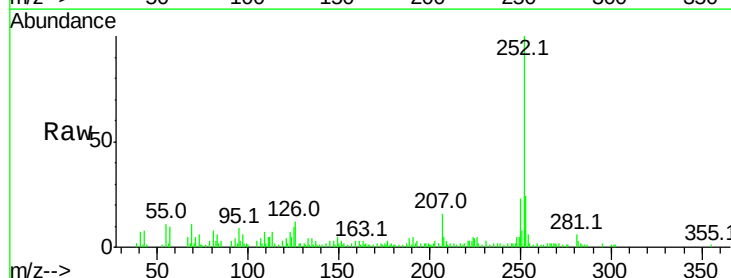
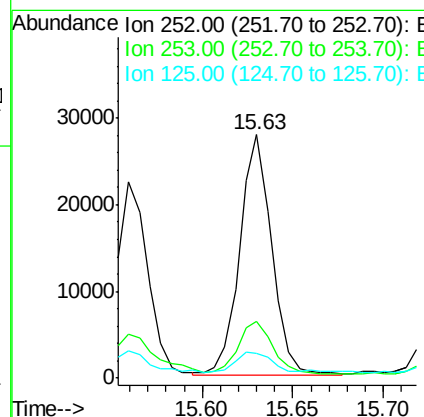
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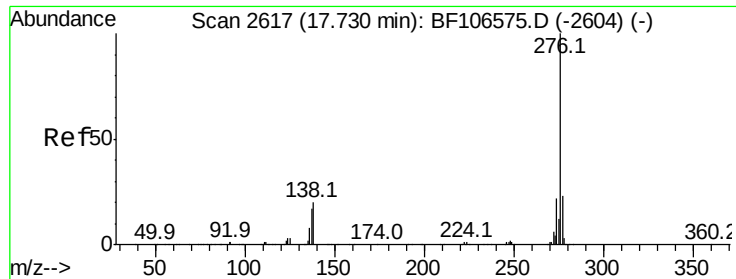
Sohil
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#89
Benzo(a)pyrene
Concen: 3.765 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF106971.D
Acq: 29 Jun 2018 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	10.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.944 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. -0.04 min
 Lab File: BF106971.D
 Acq: 29 Jun 2018 14:25

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B3(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	22.9	21.8	32.8

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 6/30/2018 10:58:00 AM

