

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF103006.D
 Acq On : 14 Feb 2018 23:45
 Operator : SJ/JU
 Sample : J1537-06RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Manual Integrations
 APPROVED

Sohil
 2/15/2018 11:06:46 AM

Quant Time: Feb 15 02:18:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	167626	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	666191	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	251224	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	357845	20.00	ng	0.00
75) Chrysene-d12	14.05	240	267117	20.00	ng	0.01
86) Perylene-d12	15.54	264	213926	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1309487	118.64	ng	0.02
7) Phenol-d6	6.51	99	1550510	116.67	ng	0.01
23) Nitrobenzene-d5	7.44	82	956838	99.64	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	230606	114.05	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1396672	92.25	ng	0.00
78) Terphenyl-d14	12.99	244	934635	82.85	ng	0.00
Target Compounds						
10) Phenol	6.52	94	112344	7.888	ng	93
49) Dimethylphthalate	9.62	163	111743	5.705	ng	99
51) Acenaphthene	9.95	154	32326	2.089	ng	98
57) Fluorene	10.46	166	37785	2.382	ng	95
70) Phenanthrene	11.43	178	147534	7.403	ng	100
71) Anthracene	11.48	178	53748	2.652	ng	97
74) Fluoranthene	12.62	202	237843	11.862	ng	99
77) Pyrene	12.85	202	275307	13.144	ng	99
80) Benzo(a)anthracene	14.04	228	117270	6.981	ng	# 93
82) Chrysene	14.07	228	116812m	6.898	ng	
85) Indeno(1,2,3-cd)pyrene	17.04	276	49561	3.529	ng	94
87) Benzo(b)fluoranthene	15.10	252	119410m	8.609	ng	
88) Benzo(k)fluoranthene	15.13	252	42193m	3.184	ng	
89) Benzo(a)pyrene	15.47	252	90473	7.247	ng	# 79
91) Benzo(a,h,i)perylene	17.49	276	52688	5.312	ng	# 88

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

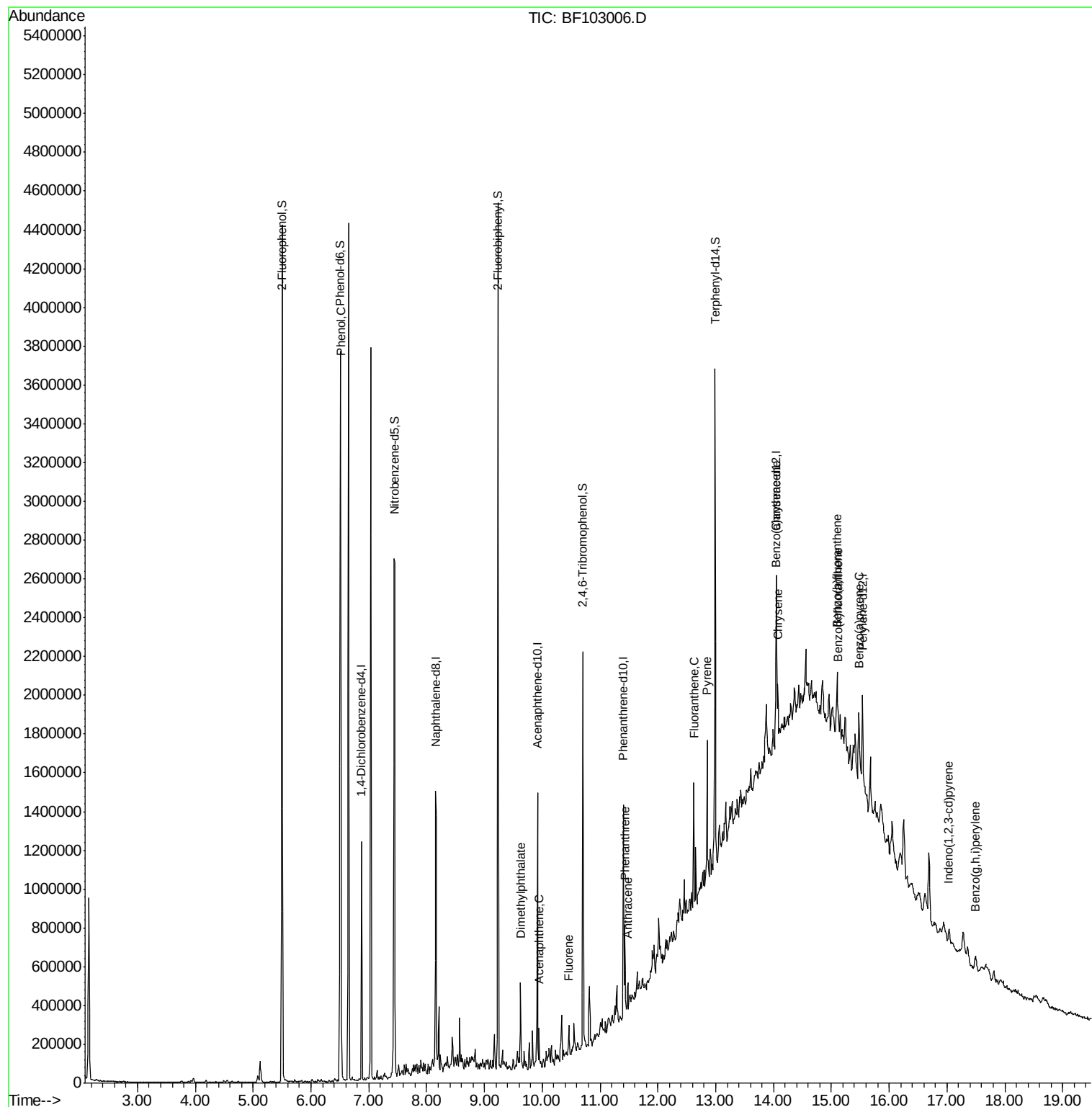
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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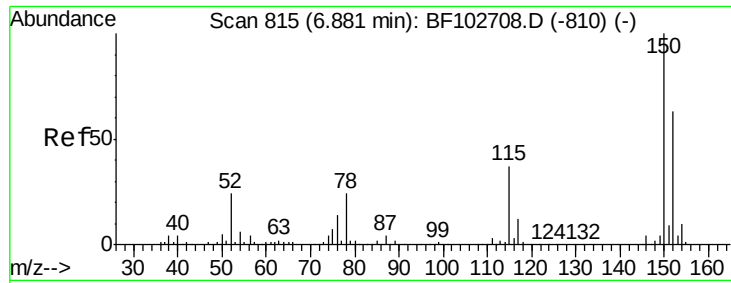
Instrument :
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#1

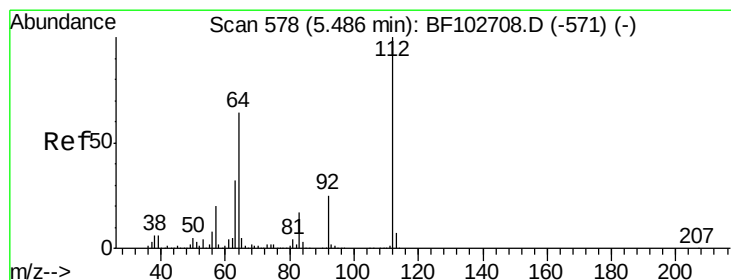
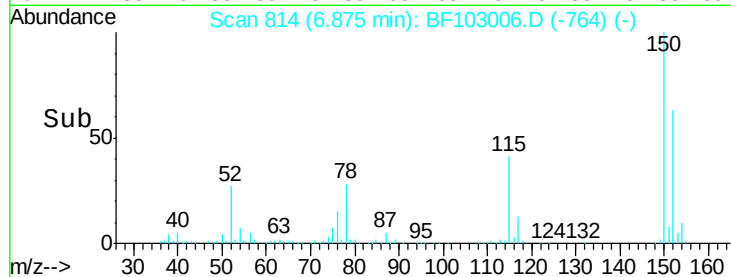
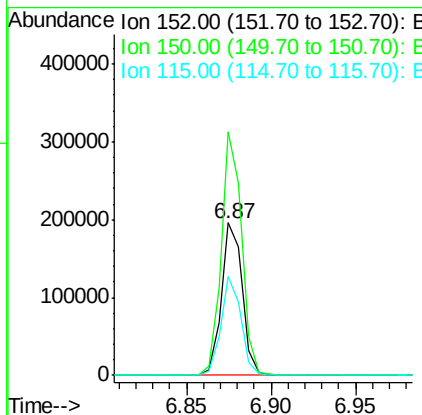
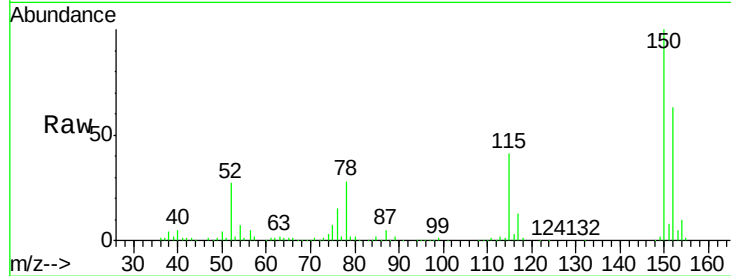
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	64.9	50.1	75.1

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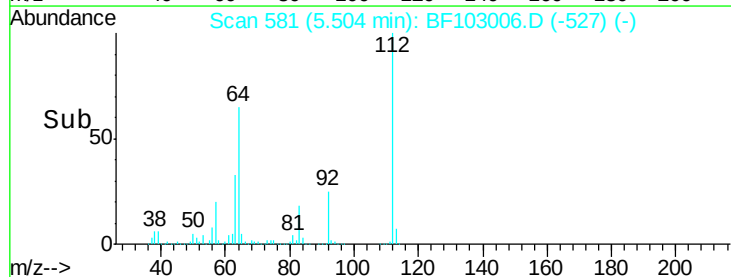
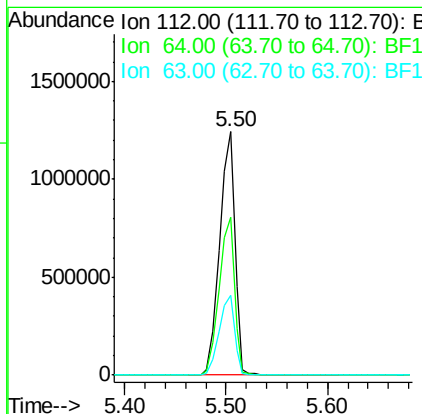
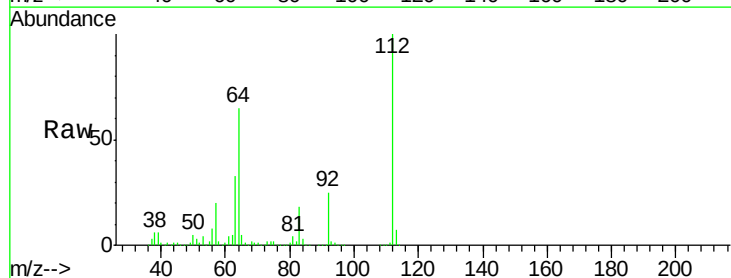
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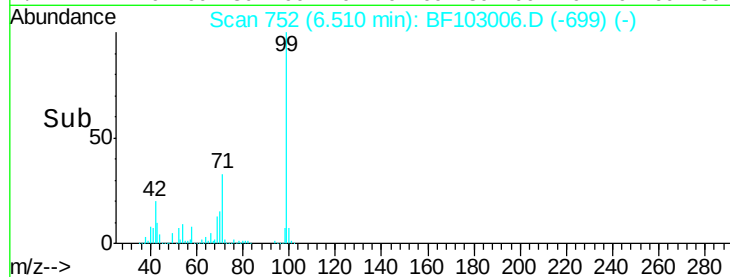
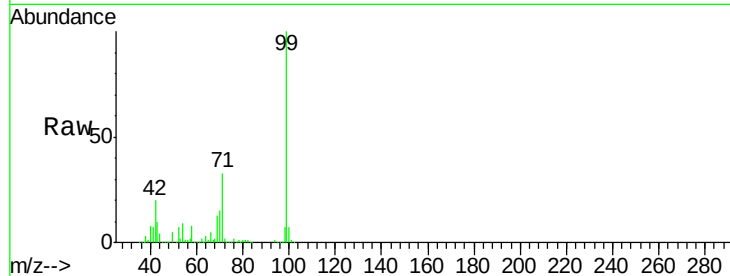
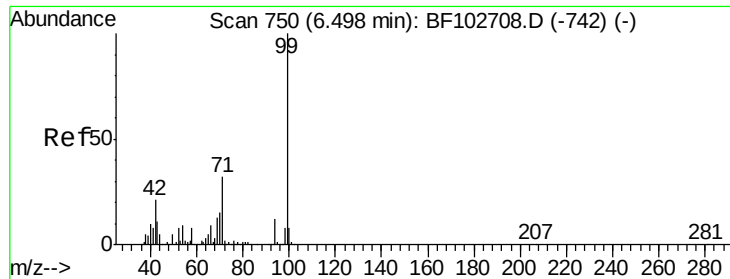


#5

2-Fluorophenol
Concen: 118.638 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 116.666 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Tot Ion:	99	Resp:	1550510
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	33.4	25.4	38.0

Instrument :

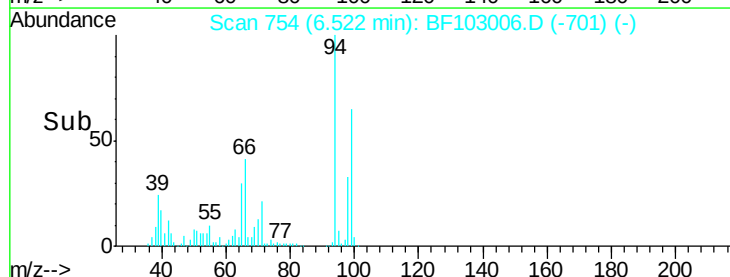
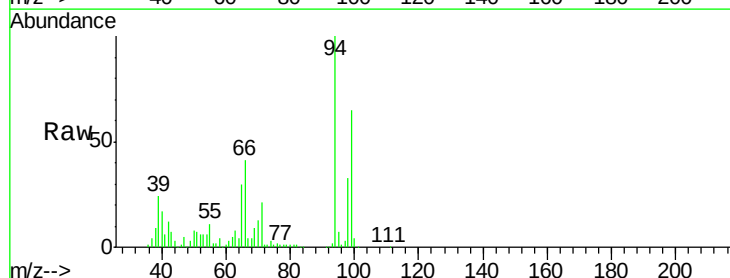
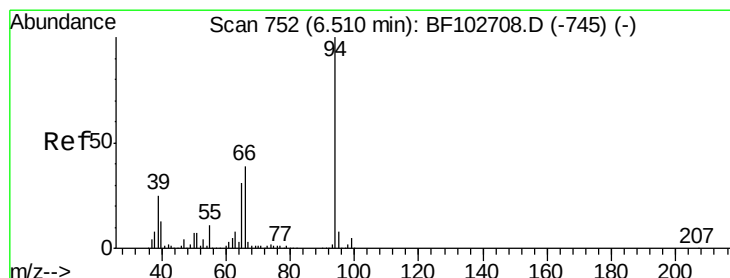
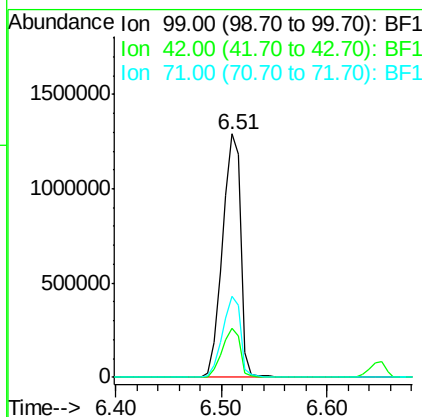
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 7.888 ng

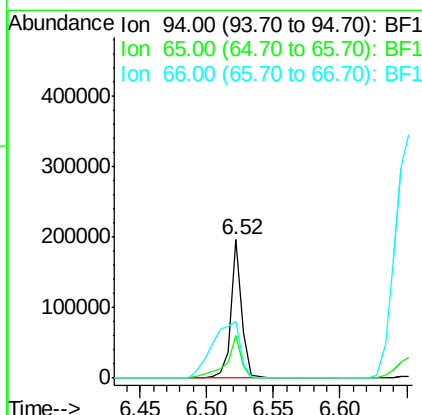
RT: 6.52 min Scan# 754

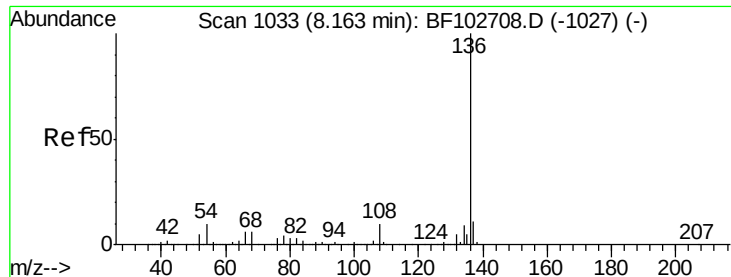
Delta R.T. 0.01 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Tgt Ion:	94	Resp:	112344
Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	41.1	16.2	56.2





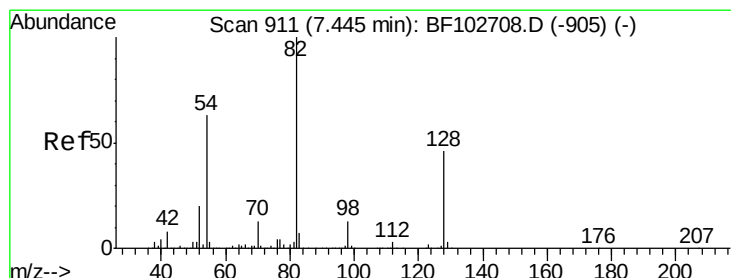
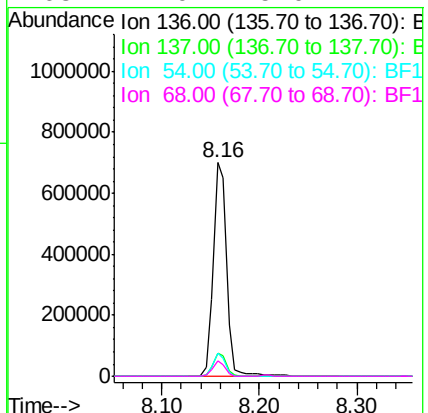
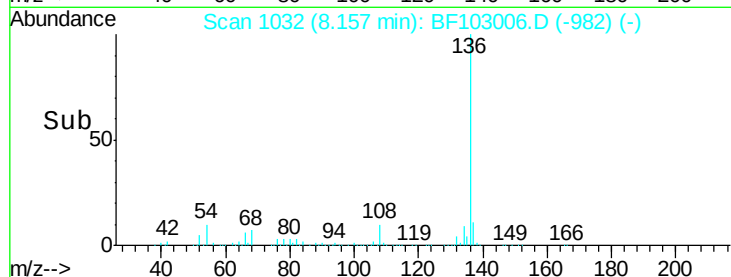
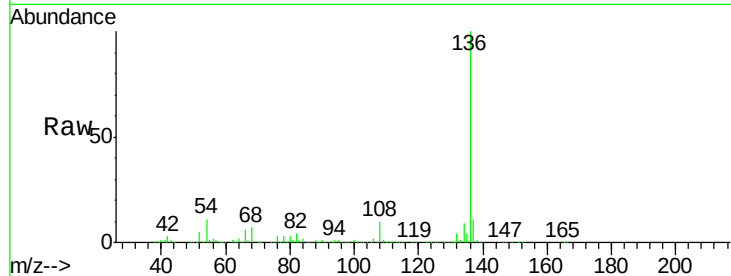
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	666191		
137	10.9		8.9	13.3
54	10.6		6.6	9.8
68	7.0		5.0	7.4

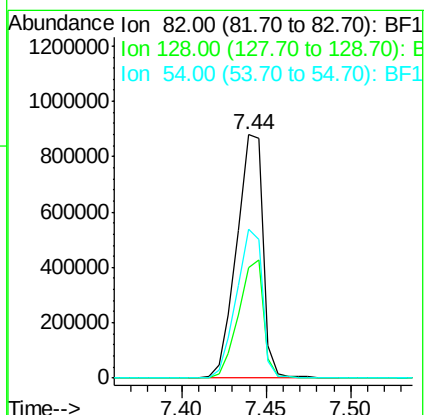
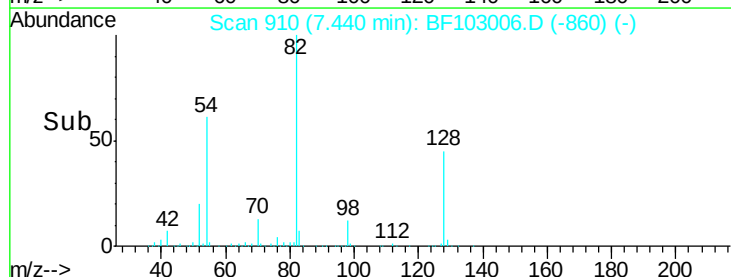
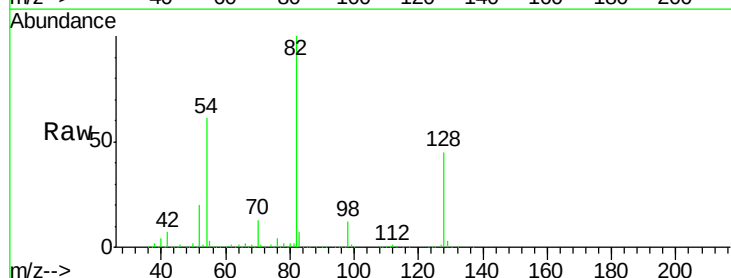
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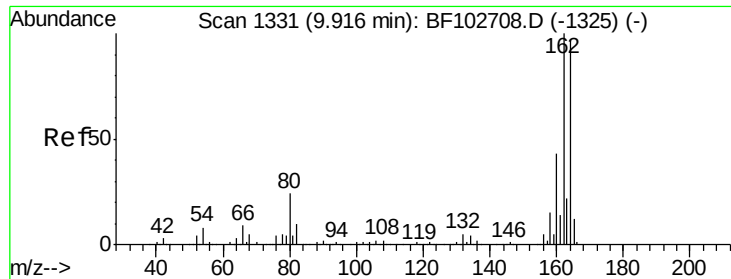
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#23
Nitrobenzene-d5
Concen: 99.636 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	956838		
128	45.3		36.1	54.1
54	60.9		41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Instrument :

BNA_F

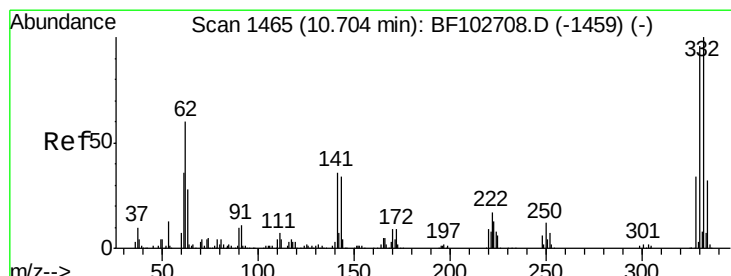
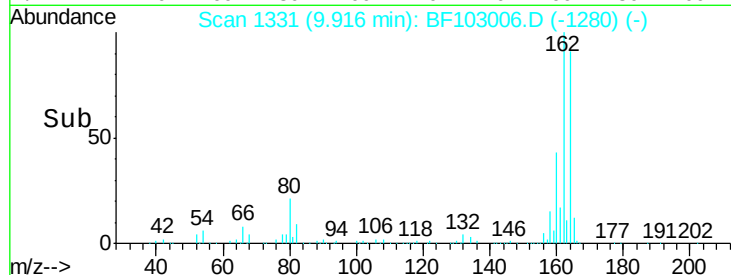
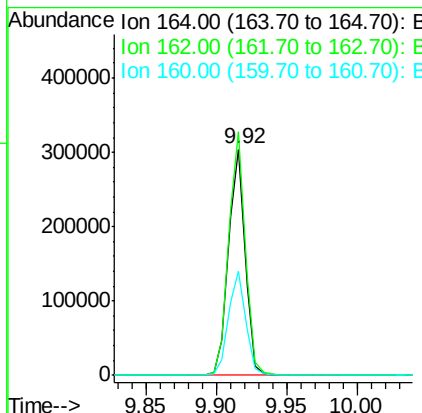
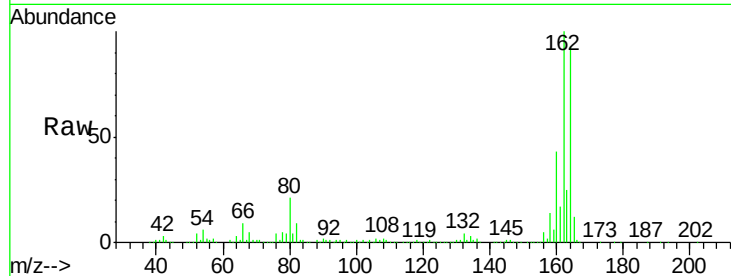
ClientSampleId :

SB-03-COMP

Tot Ion:	164	Resp:	251224
Ion Ratio	Lower	Upper	
164	100		
162	107.7	86.1	129.1
160	46.0	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 114.045 ng

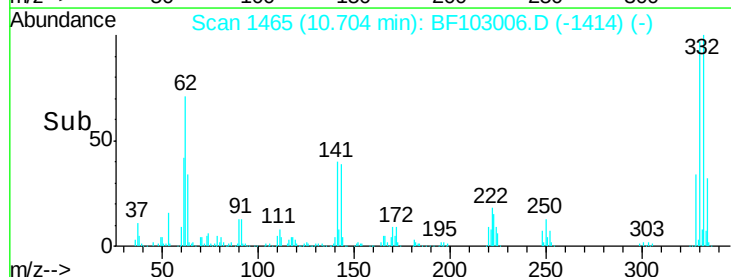
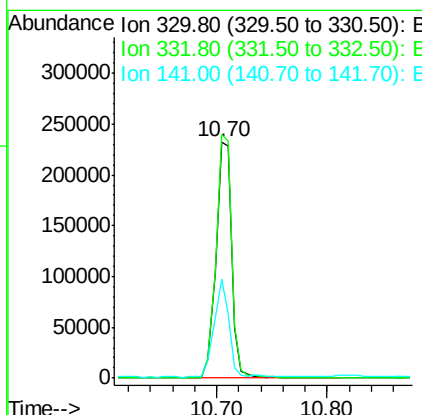
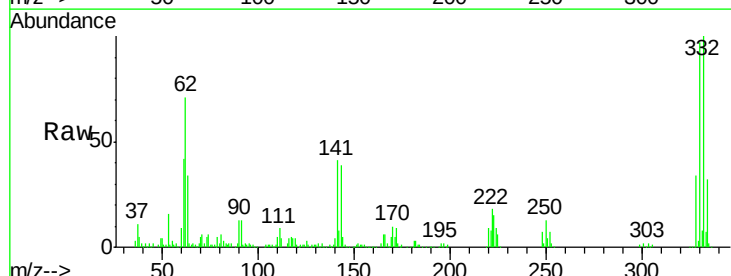
RT: 10.70 min Scan# 1465

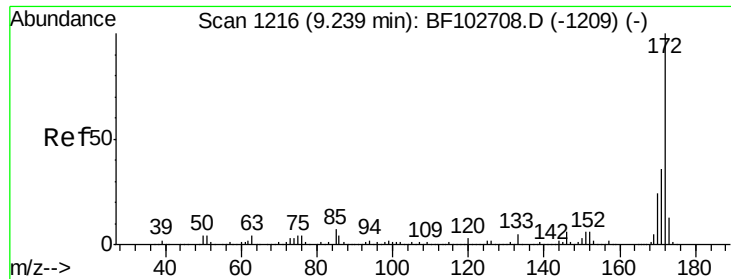
Delta R.T. 0.00 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Tgt Ion:	330	Resp:	230606
Ion Ratio	Lower	Upper	
330	100		
332	102.8	77.0	115.6
141	38.8	29.9	44.9





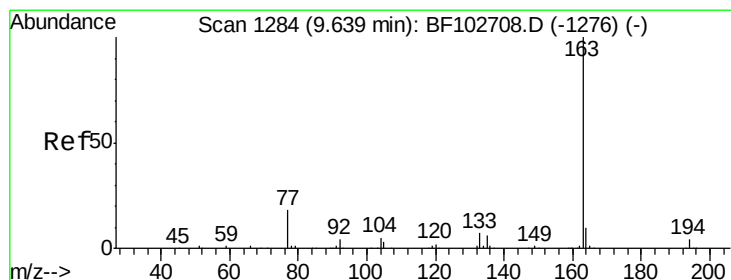
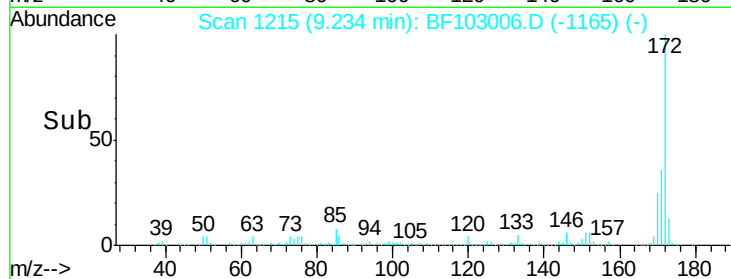
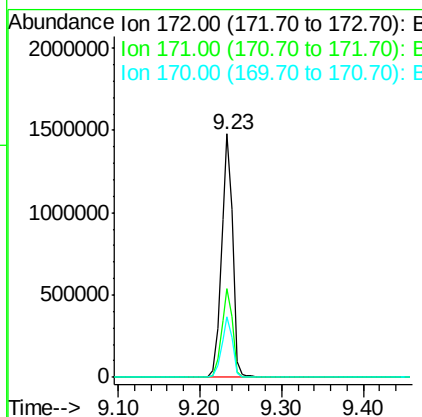
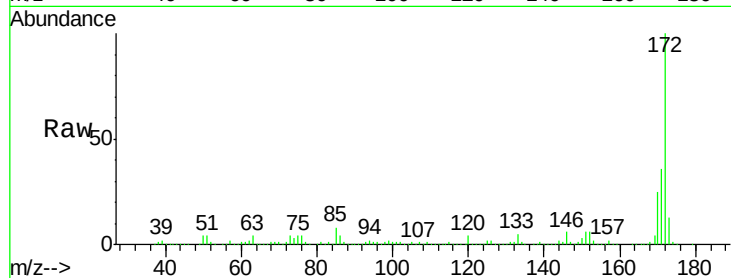
#44
2-Fluorobiphenyl
Concen: 92.251 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.7	19.6	29.4

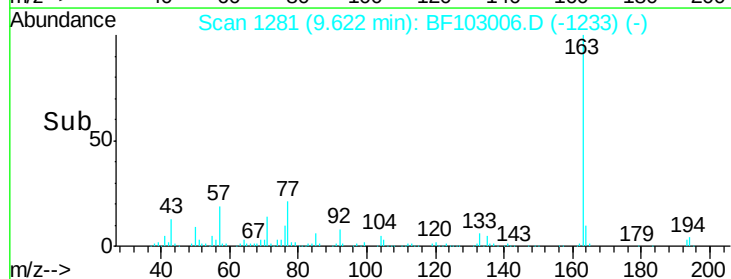
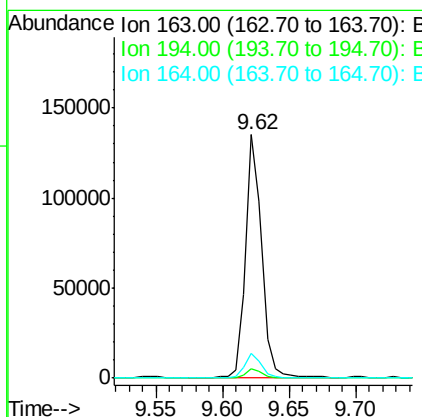
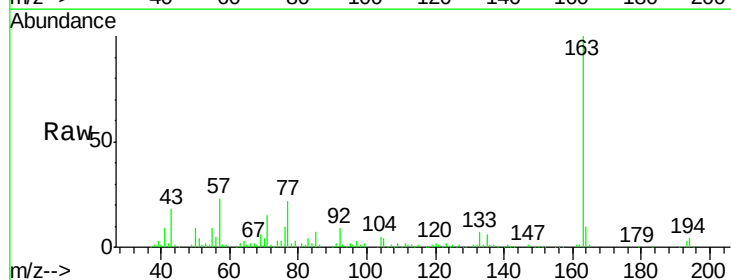
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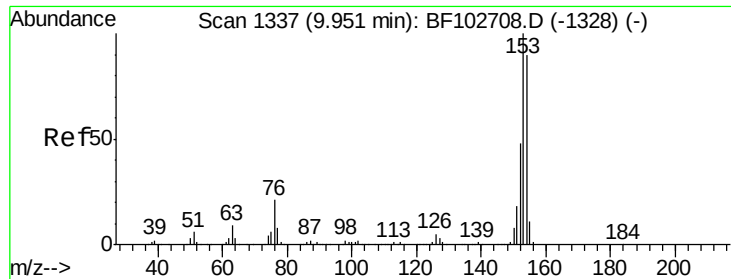
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#49
Dimethylphthalate
Concen: 5.705 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.9	8.2	12.2





#51

Acenaphthene

Concen: 2.089 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Instrument :

BNA_F

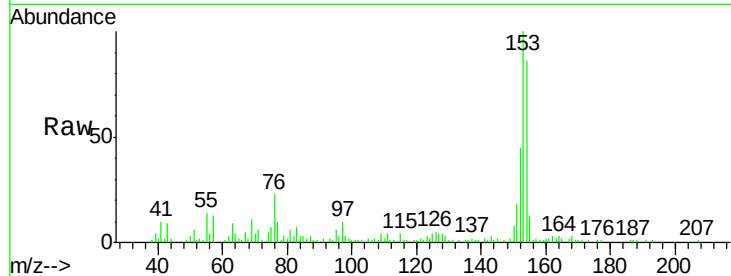
ClientSampleId :

SB-03-COMP

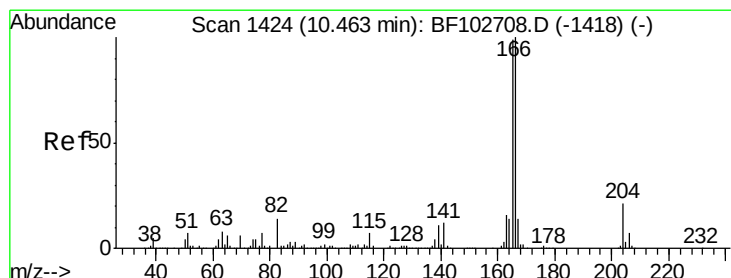
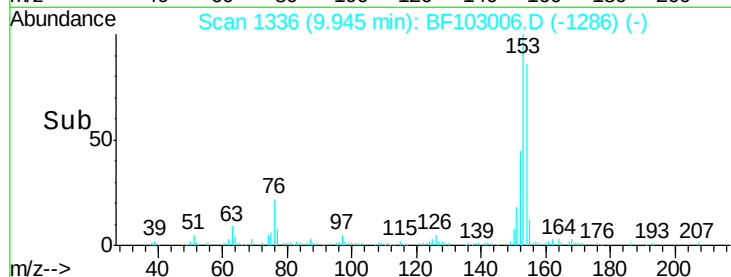
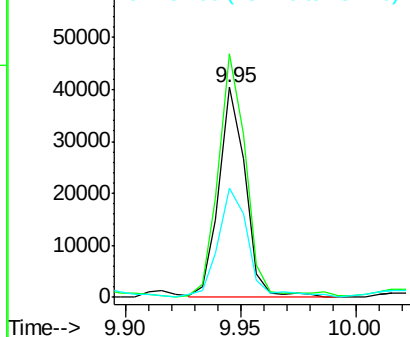
Tot Ion:	154	Resp:	32326
Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.2	136.8
152	52.3	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.382 ng

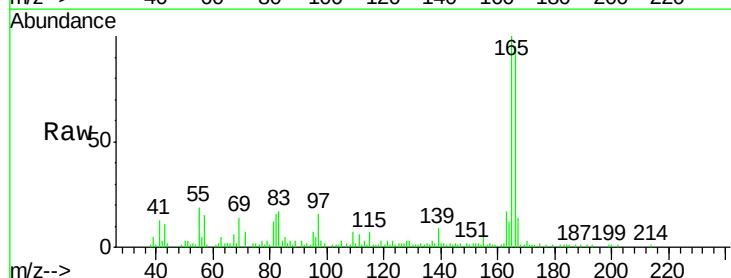
RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

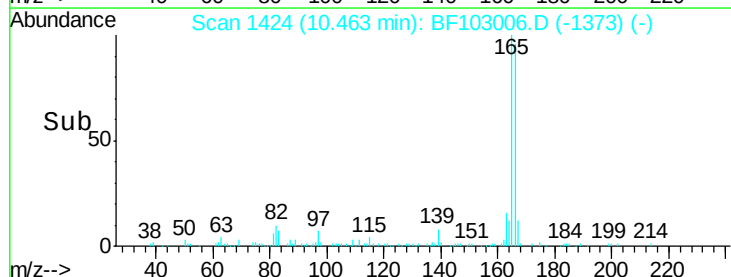
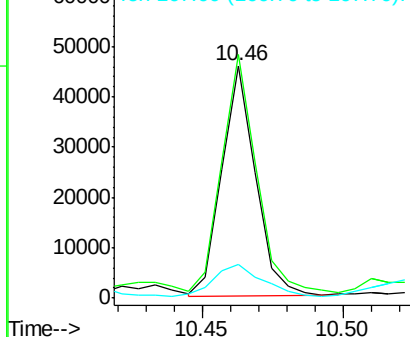
Lab File: BF103006.D

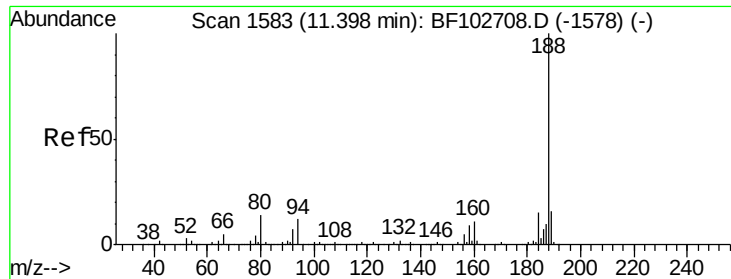
Acq: 14 Feb 2018 23:45

Tgt Ion:	166	Resp:	37785
Ion	Ratio	Lower	Upper
166	100		
165	104.9	79.8	119.8
167	14.5	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





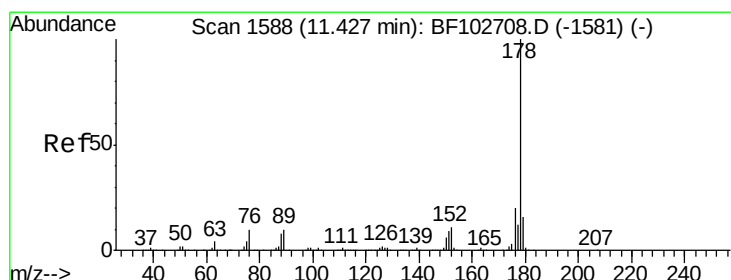
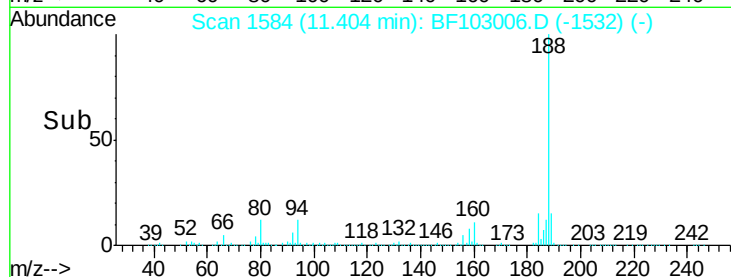
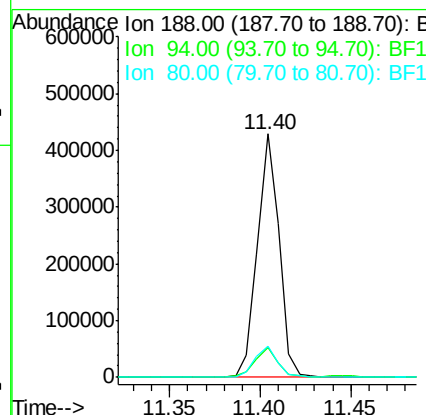
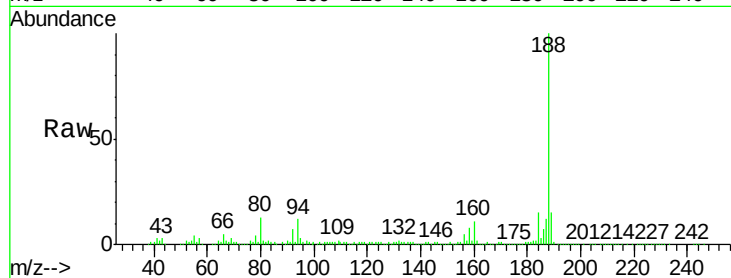
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	8.5	12.7
80	12.6	9.2	13.8

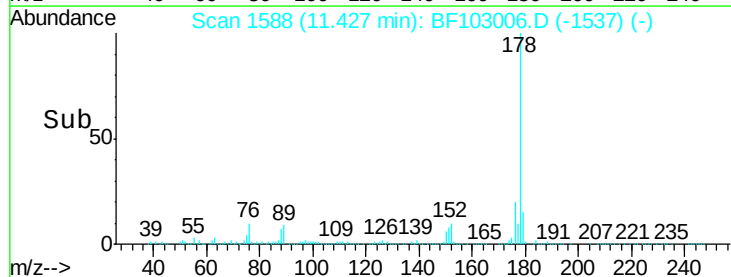
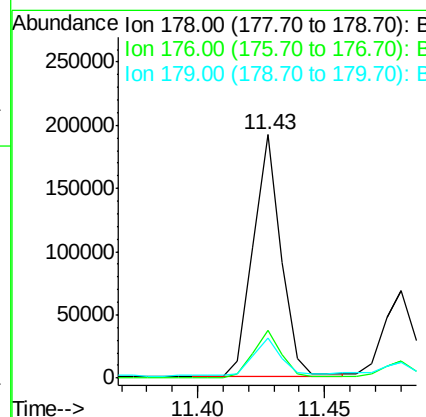
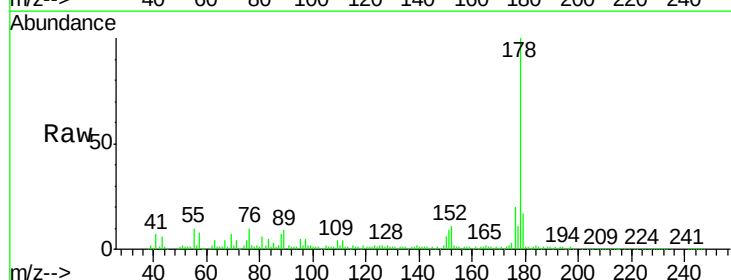
Manual Integrations
APPROVED

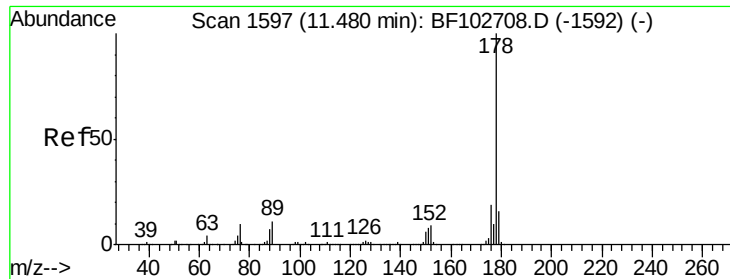
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#70
Phenanthrene
Concen: 7.403 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	15.8	23.8
179	16.5	13.0	19.6





#71

Anthracene

Concen: 2.652 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tot Ion:178 Resp: 53748

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

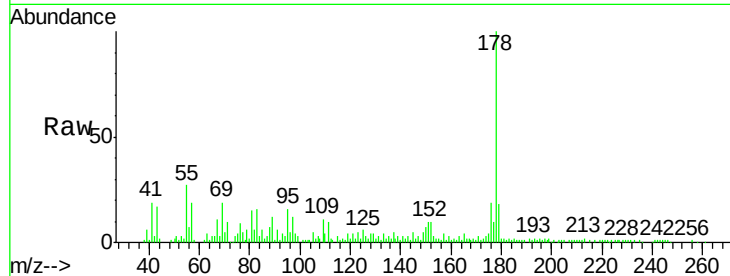
179 17.9 12.6 19.0

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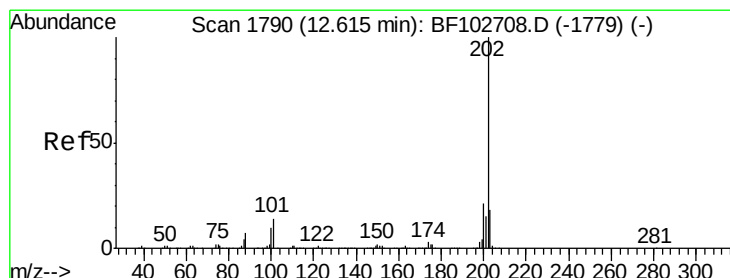
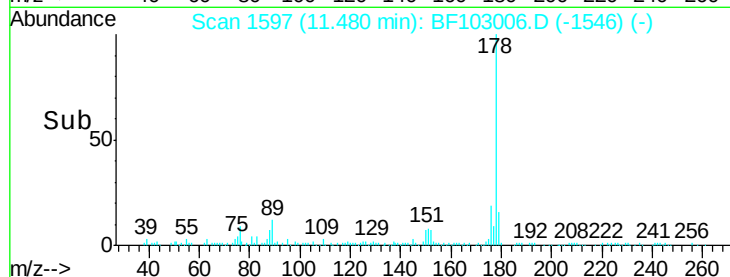
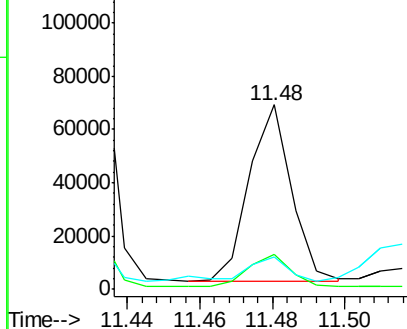
2/15/2018 11:06:46 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 11.862 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

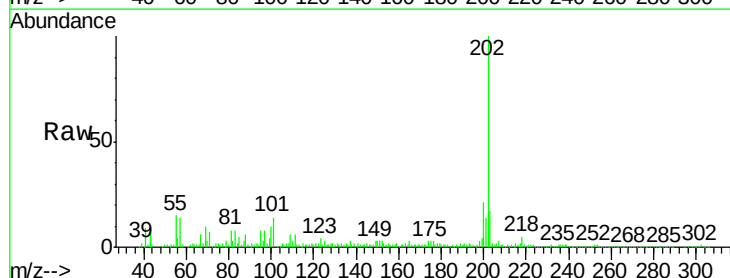
Tgt Ion:202 Resp: 237843

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

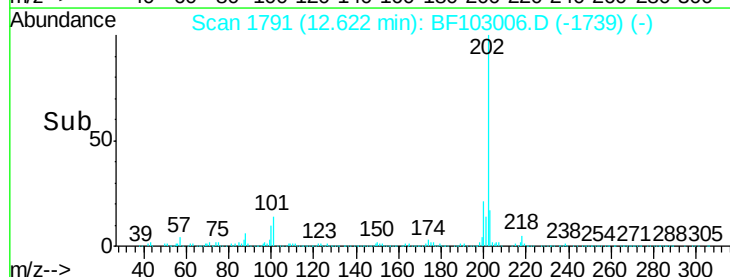
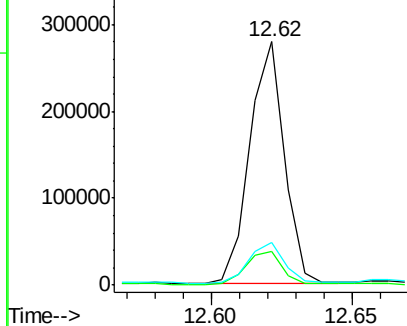
203 17.3 0.0 38.1

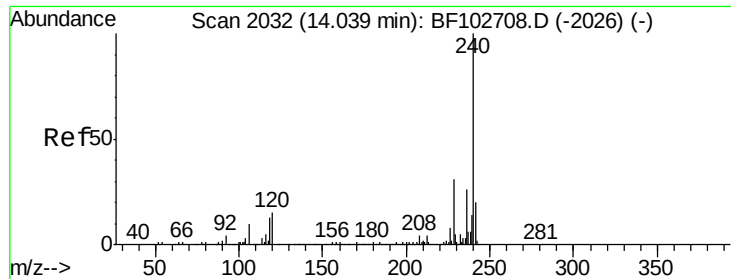


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





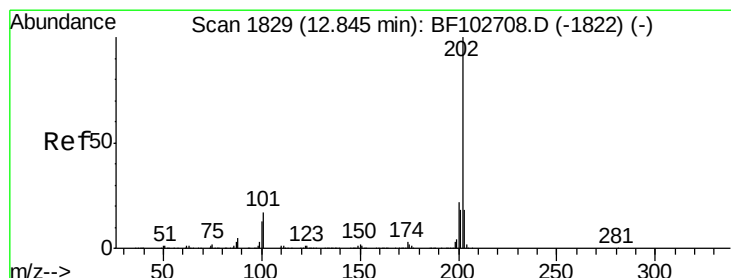
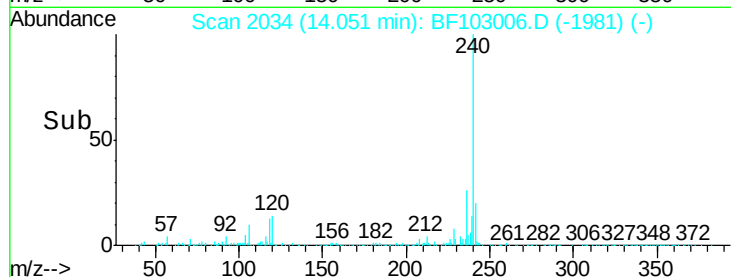
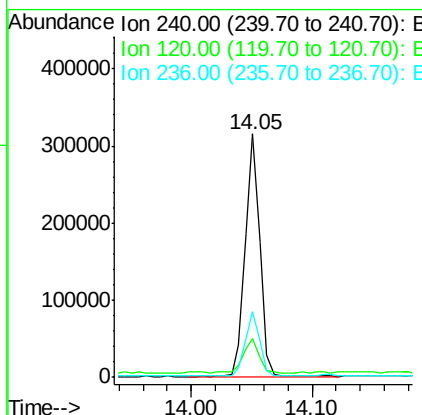
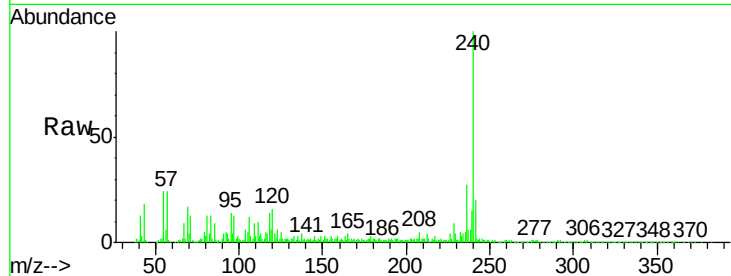
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3
236	26.9	20.7	31.1

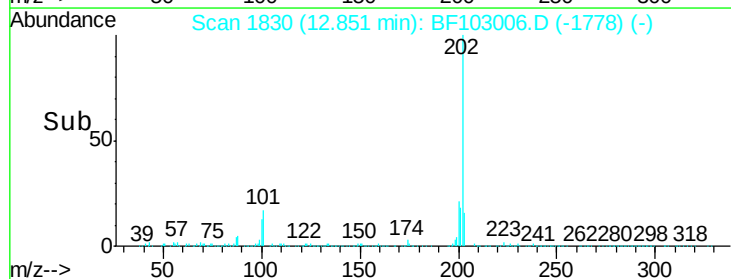
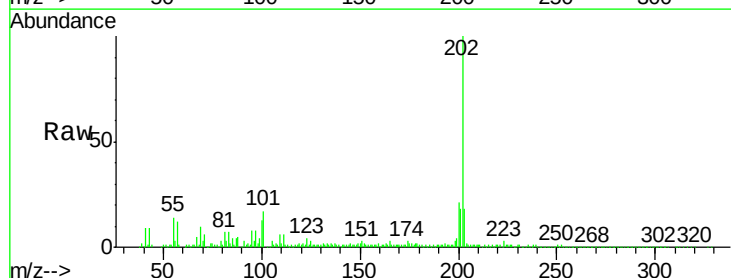
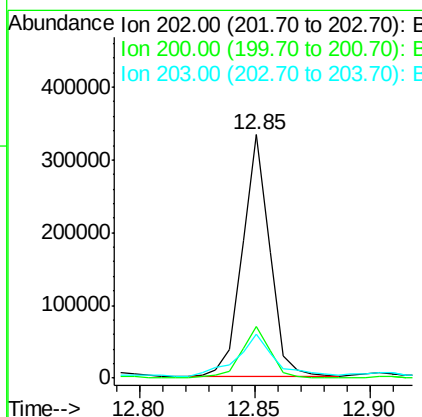
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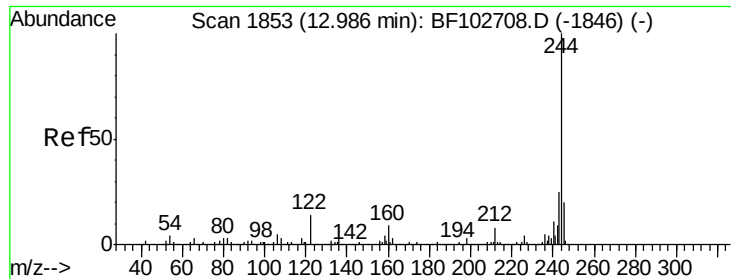
Sohil
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#77
Pyrene
Concen: 13.144 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 82.848 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Instrument :

BNA_F

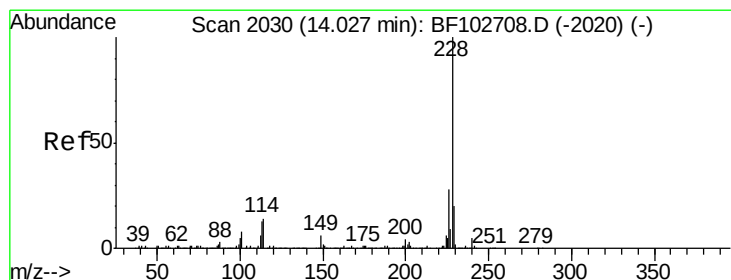
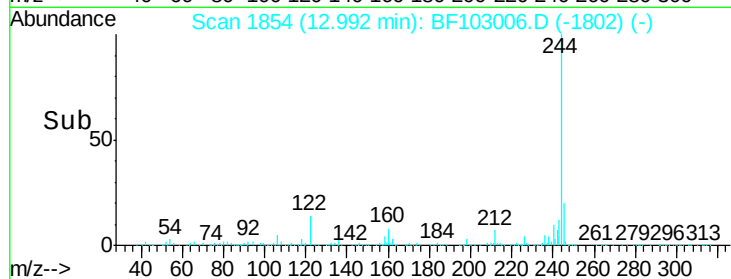
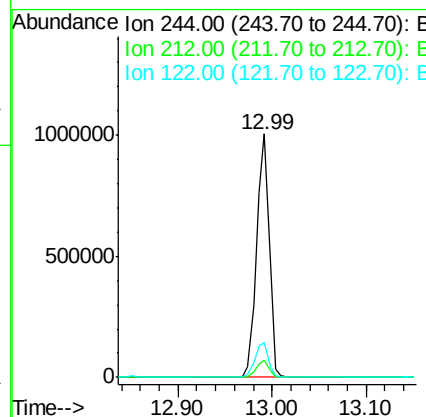
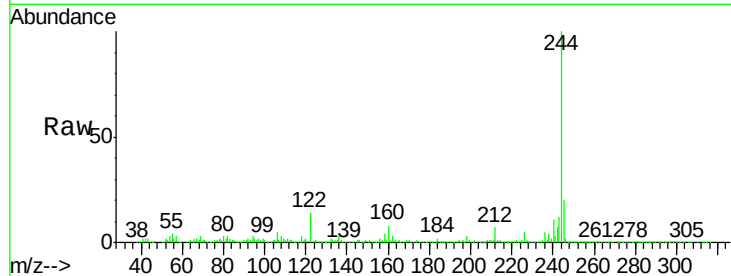
ClientSampleId :

SB-03-COMP

Tot Ion:	244	Resp:	934635
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.4	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.981 ng

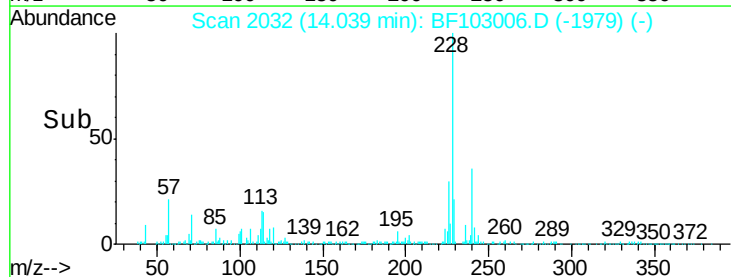
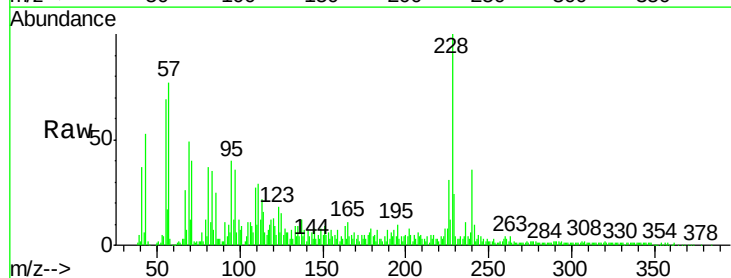
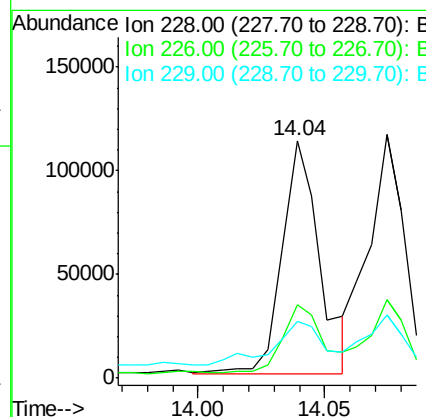
RT: 14.04 min Scan# 2032

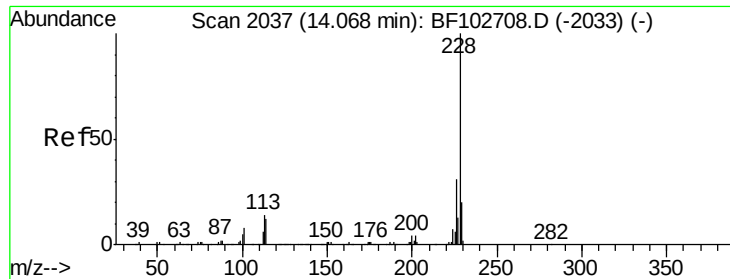
Delta R.T. 0.01 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Tgt Ion:	228	Resp:	117270
Ion Ratio		Lower	Upper
228	100		
226	30.8	22.6	33.8
229	24.0	15.8	23.6





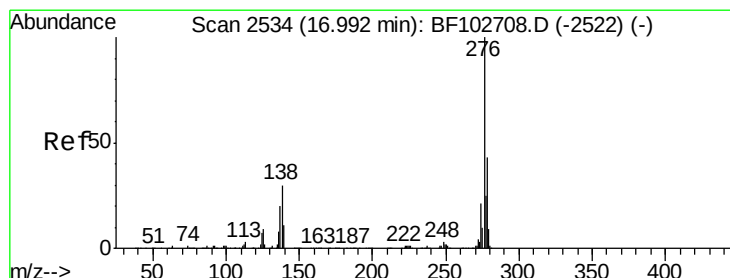
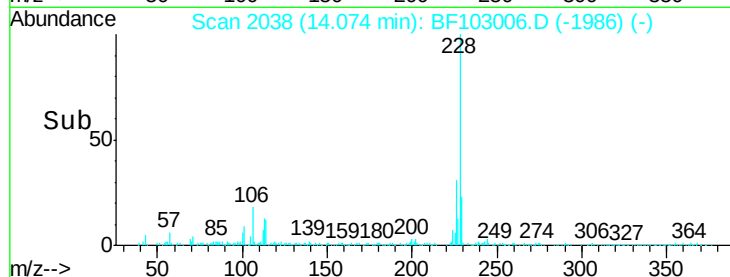
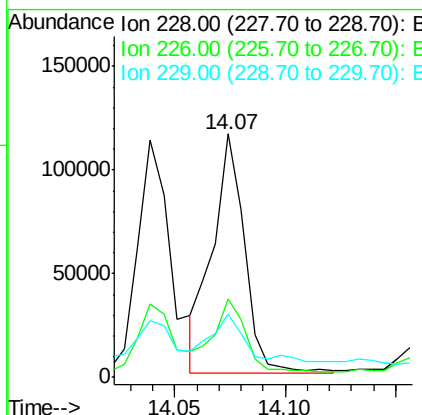
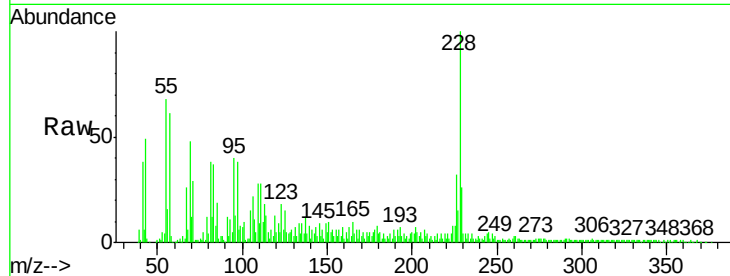
#82
Chrysene
Concen: 6.898 ng/mL
RT: 14.07 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	25.7	16.2	24.4

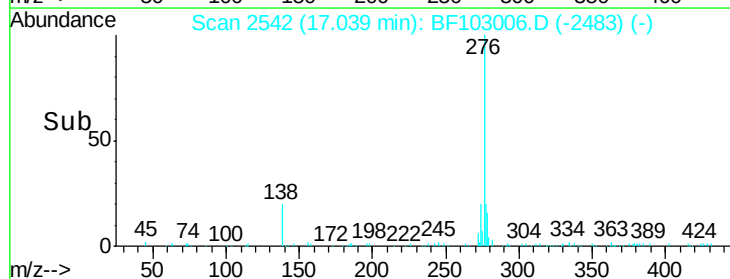
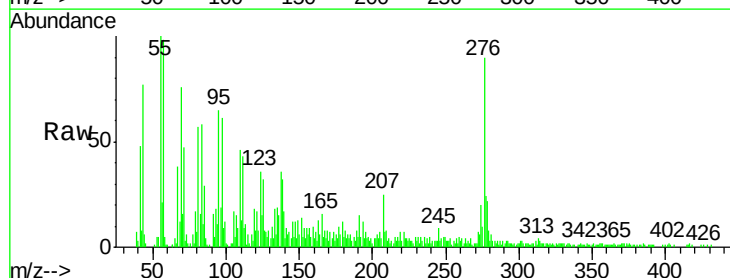
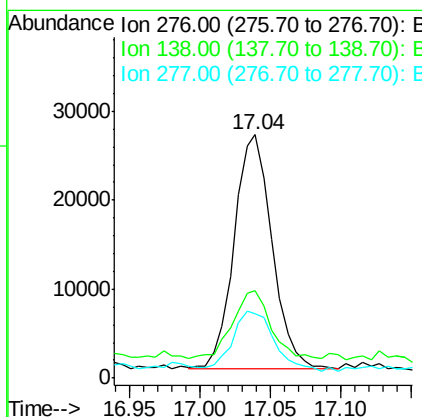
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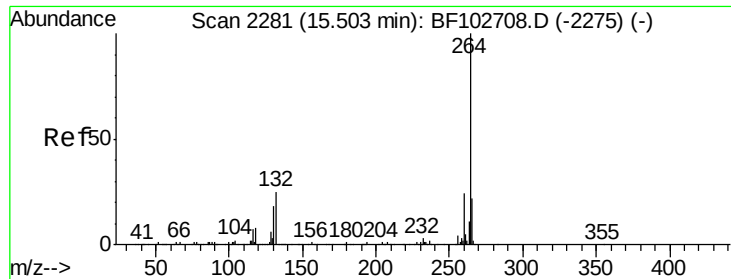
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.529 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.05 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	28.0	20.1	30.1





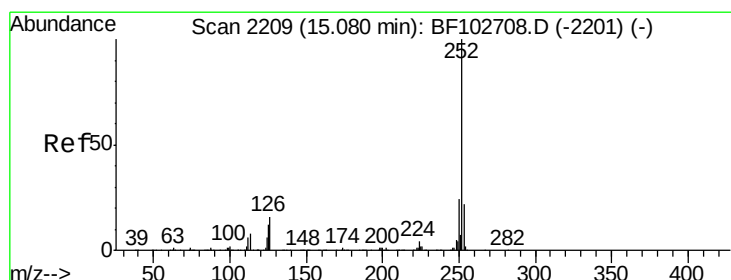
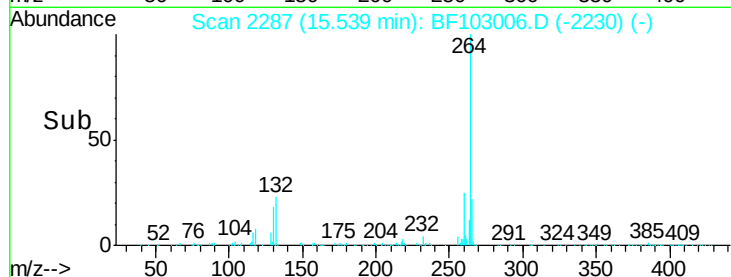
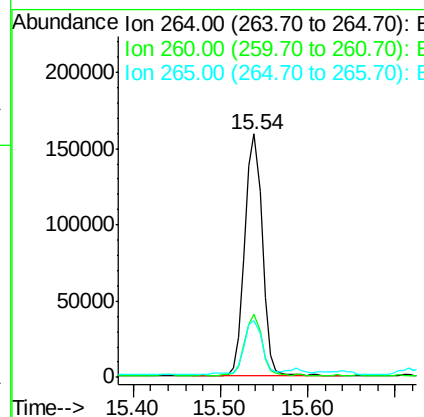
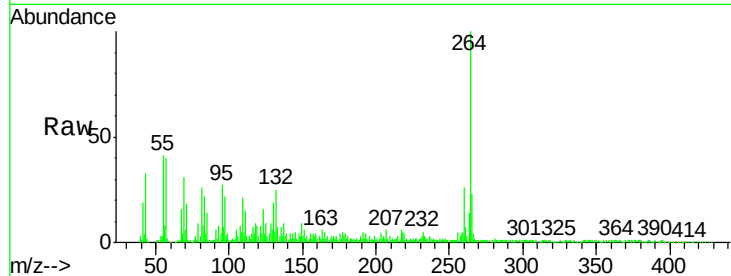
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.04 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	23.3	17.5	26.3

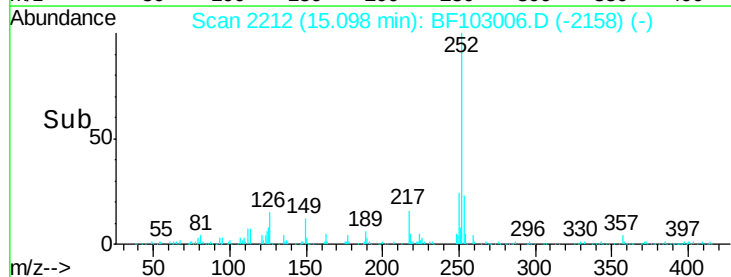
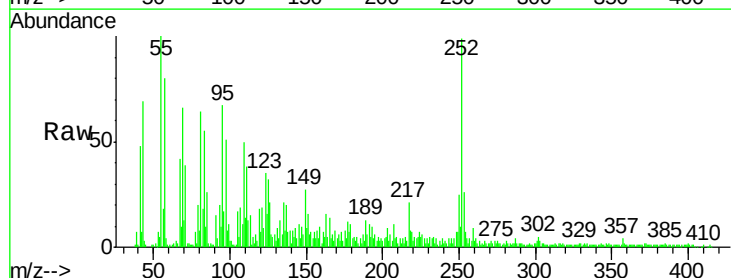
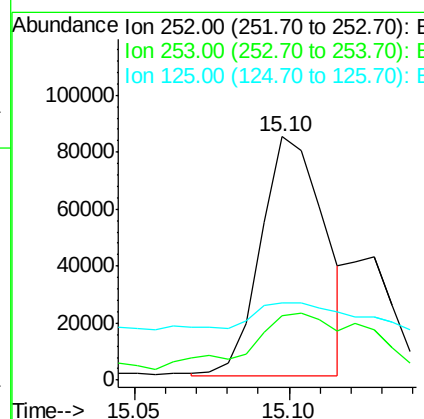
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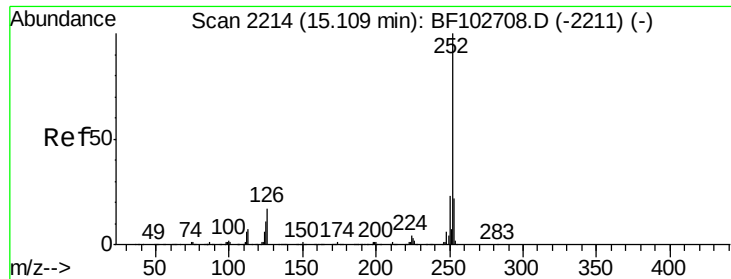
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#87
Benzo(b)fluoranthene
Concen: 8.609 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.02 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.0	25.6#
125	31.9	9.0	13.6#





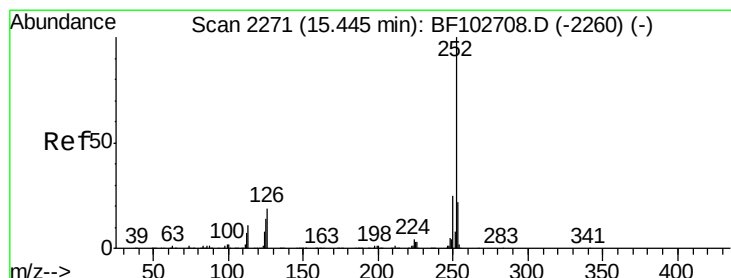
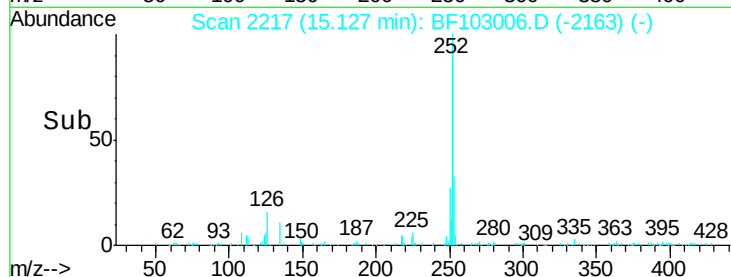
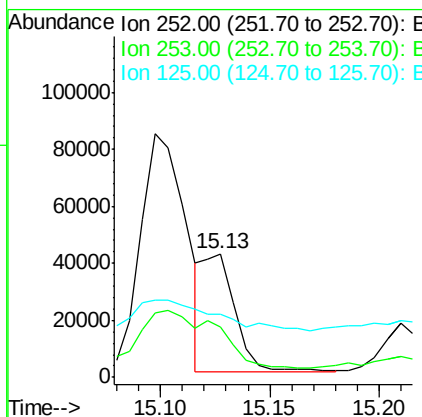
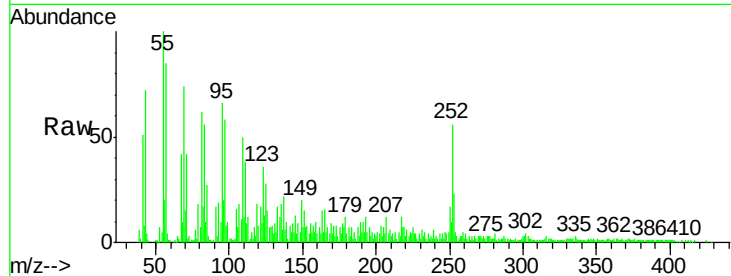
#88
Benzo(k)fluoranthene
Concen: 3.184 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.02 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.6	17.9	26.9#
125	50.5	10.2	15.2#

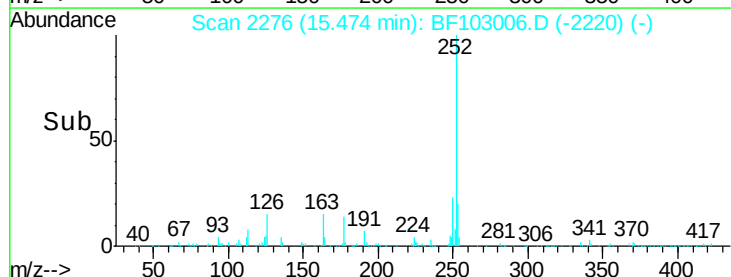
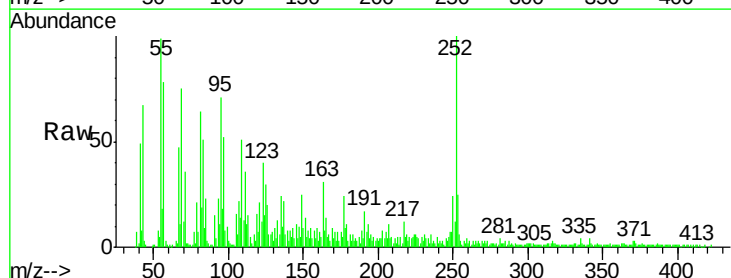
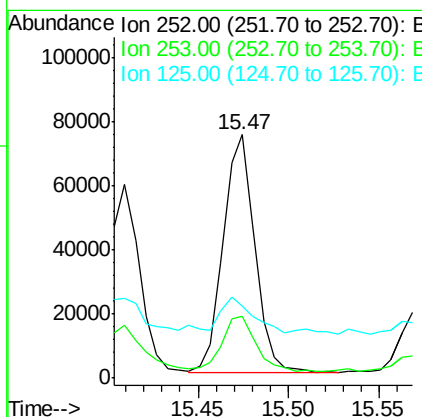
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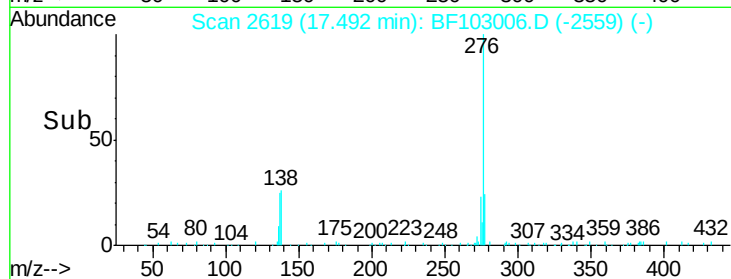
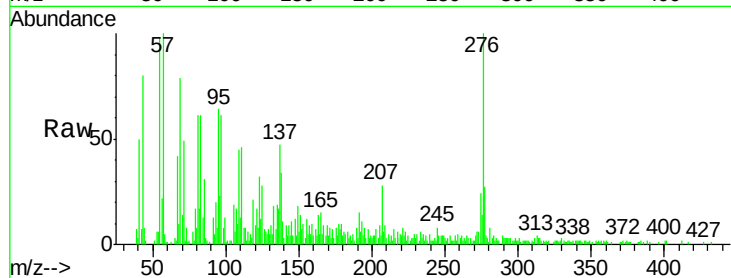
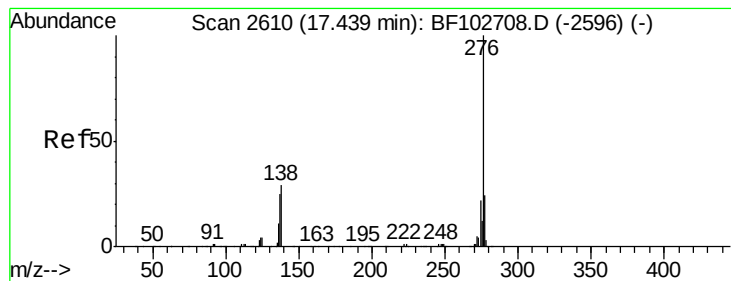
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#89
Benzo(a)pyrene
Concen: 7.247 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.03 min
Lab File: BF103006.D
Acq: 14 Feb 2018 23:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	29.5	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.312 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.05 min

Lab File: BF103006.D

Acq: 14 Feb 2018 23:45

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tot Ion: 276 Resp: 52688

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 34.3 21.8 32.8#

Manual Integrations

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2/15/2018 11:06:46 AM

