

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103985.D
 Acq On : 27 Mar 2018 22:06
 Operator : JU/SJ
 Sample : J2071-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-S

Manual Integrations
 APPROVED

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Quant Time: Mar 28 06:01:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	144447	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	569258	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	248172	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	383334	20.00	ng	0.00
75) Chrysene-d12	14.16	240	258056	20.00	ng	0.00
86) Perylene-d12	15.71	264	227172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1128151	118.79	ng	0.02
7) Phenol-d6	6.61	99	1353220	116.47	ng	0.01
23) Nitrobenzene-d5	7.54	82	825498	101.13	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	286328	134.19	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1287524	82.76	ng	0.00
78) Terphenyl-d14	13.09	244	919249	82.68	ng	0.00
Target Compounds						
10) Phenol	6.62	94	75330	6.101	ng	Qvalue 91
31) Naphthalene	8.27	128	79276	2.757	ng	100
49) Dimethylphthalate	9.72	163	180280	9.521	ng	100
51) Acenaphthene	10.05	154	44379	2.932	ng	99
54) Dibenzofuran	10.22	168	49425	2.287	ng	96
57) Fluorene	10.56	166	52169	3.110	ng	100
70) Phenanthrene	11.53	178	423826	20.212	ng	99
71) Anthracene	11.58	178	136792	6.423	ng	98
74) Fluoranthene	12.73	202	585891	27.121	ng	96
77) Pyrene	12.96	202	548676	28.952	ng	99
80) Benzo(a)anthracene	14.15	228	347612m	21.280	ng	
82) Chrysene	14.19	228	331896m	21.315	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	233104	17.142	ng	# 92
87) Benzo(b)fluoranthene	15.25	252	496320m	34.582	ng	
88) Benzo(k)fluoranthene	15.27	252	141727m	10.273	ng	
89) Benzo(a)pyrene	15.64	252	378800	29.099	ng	97
90) Dibenzo(a,h)anthracene	17.30	278	62686m	5.561	ng	
91) Benzo(g,h,i)perylene	17.78	276	211488	19.286	ng	96

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

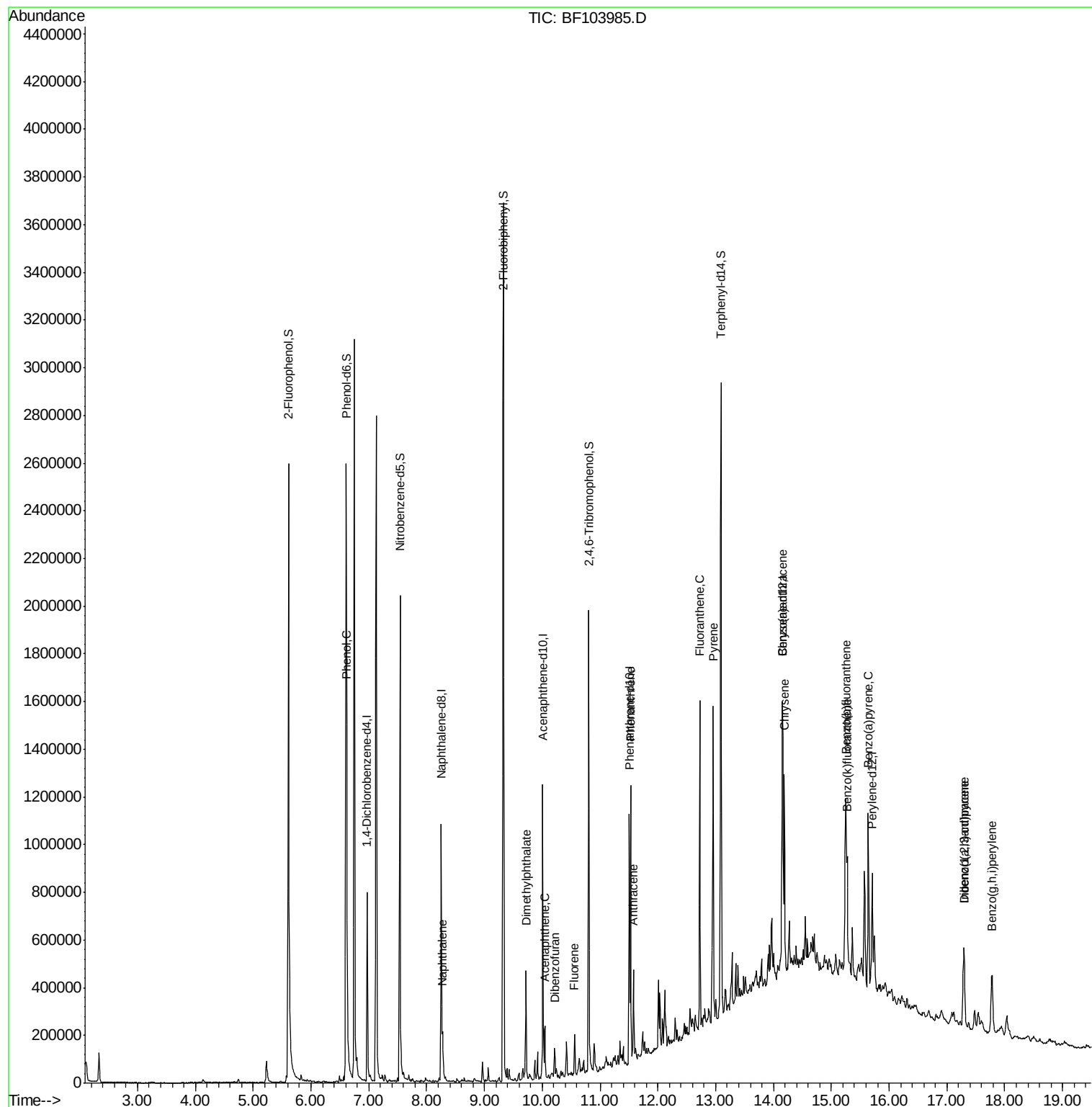
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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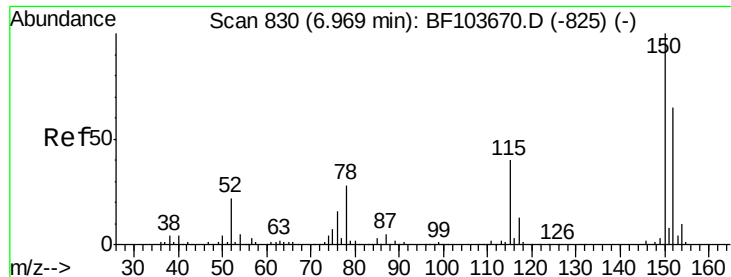
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#1

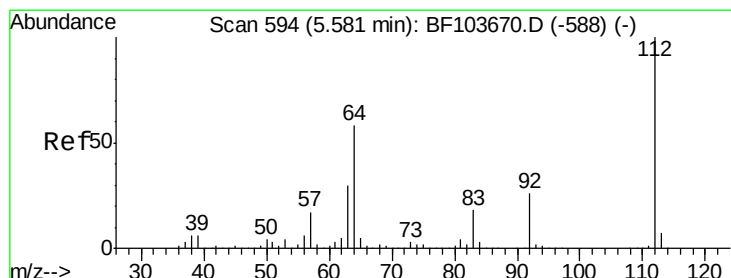
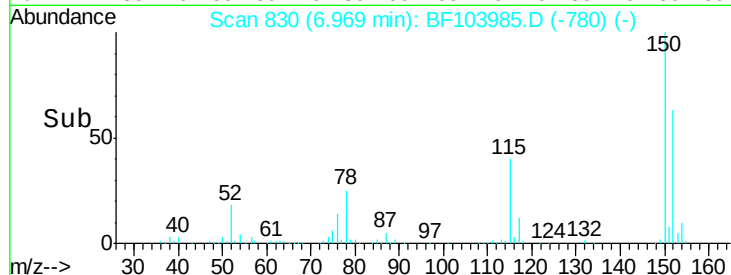
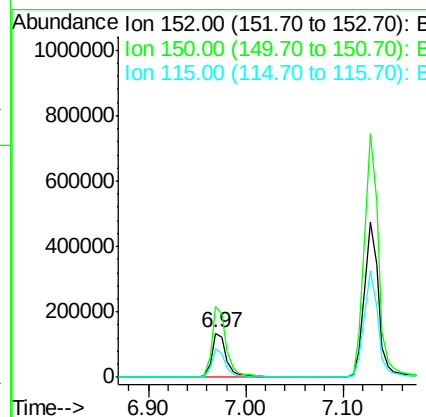
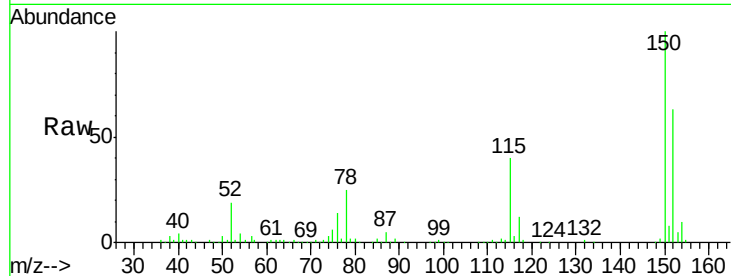
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	62.9	50.1	75.1

Manual Integrations
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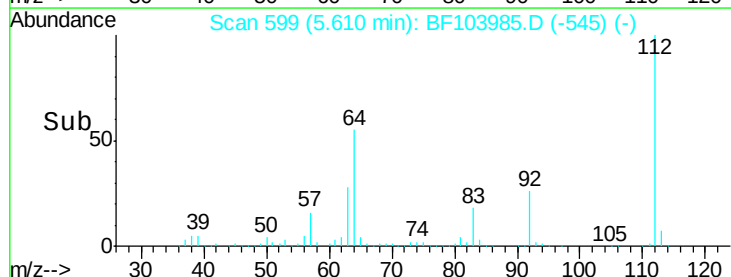
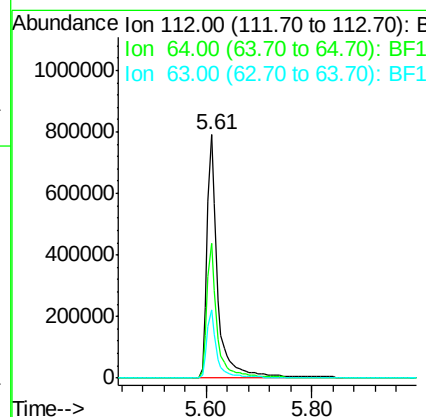
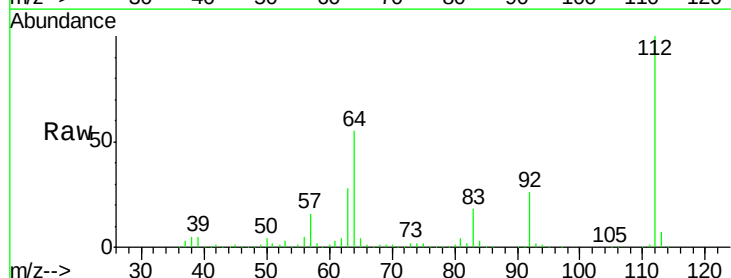
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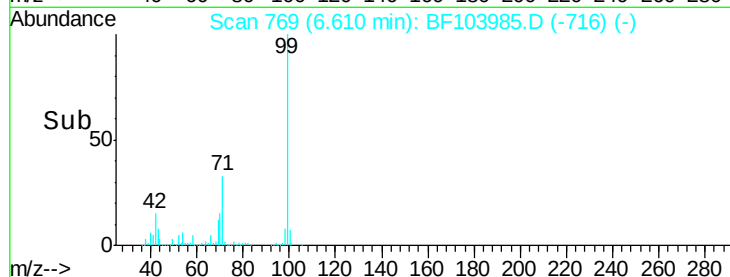
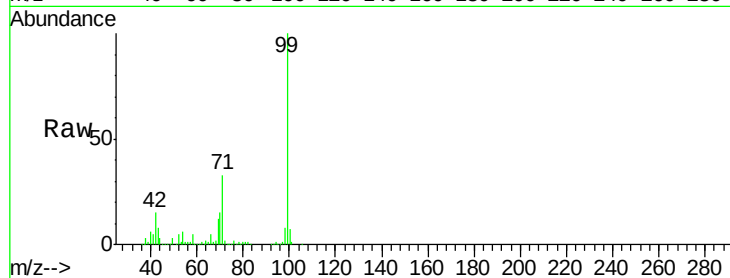
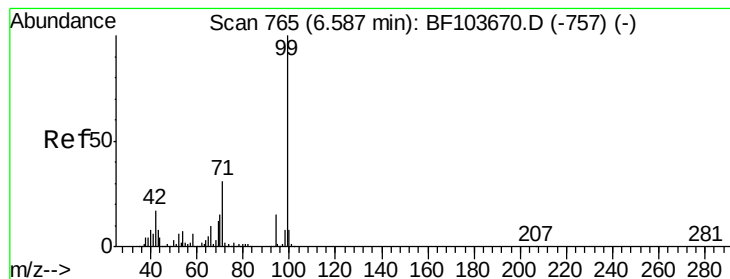


#5

2-Fluorophenol
Concen: 118.792 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 116.468 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Tot Ion: 99 Resp: 1353220

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.7 25.4 38.0

Instrument :

BNA_F

ClientSampled :

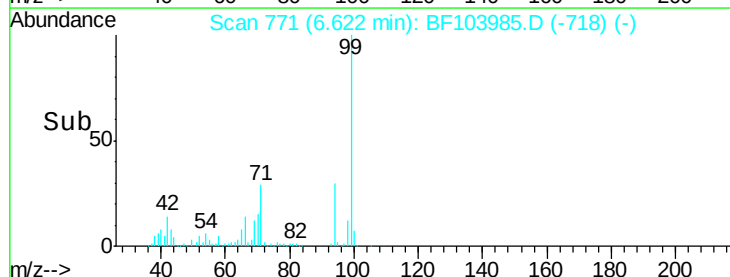
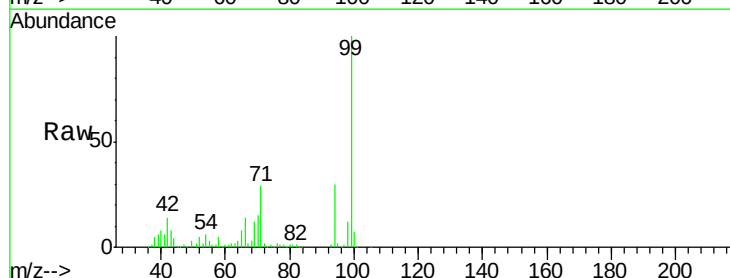
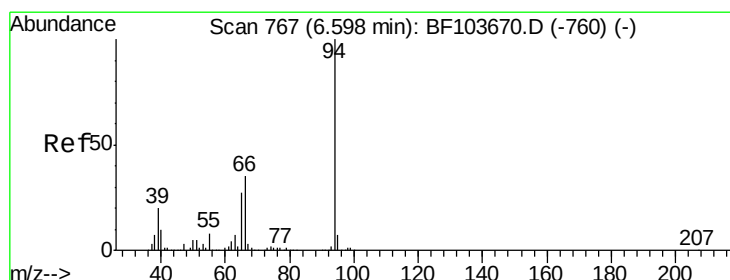
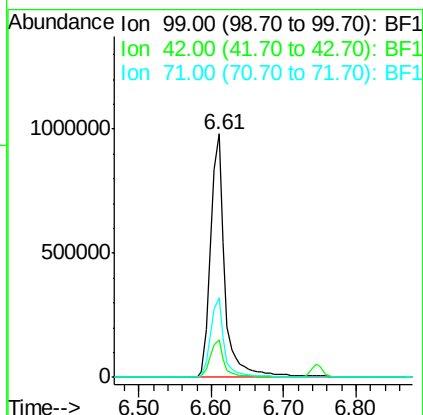
TP-1-MH-D-S

Manual Integrations

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#10

Phenol

Concen: 6.101 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

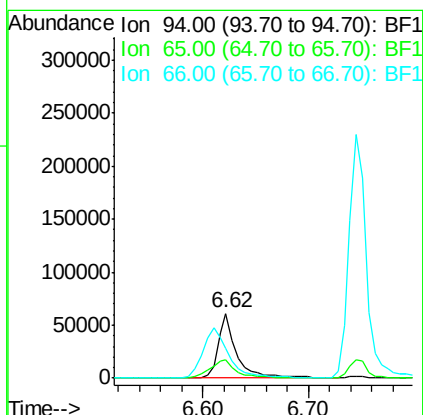
Tgt Ion: 94 Resp: 75330

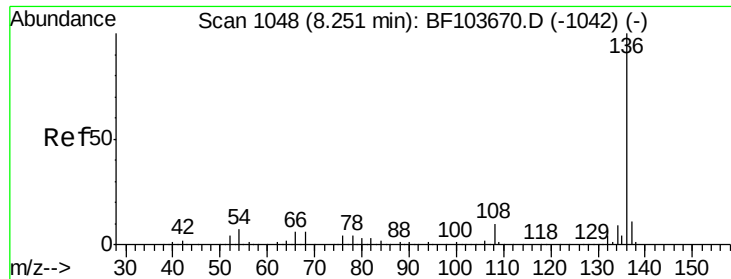
Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 45.8 16.2 56.2





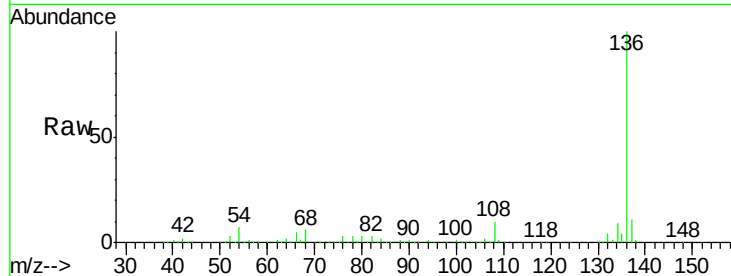
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

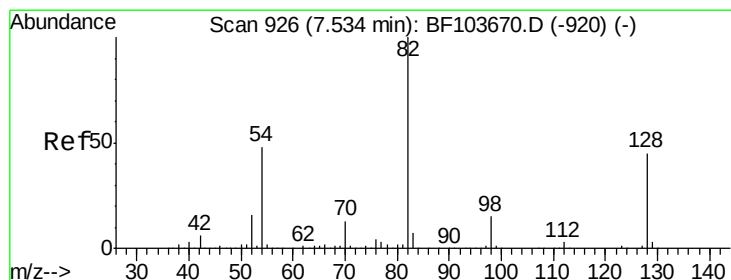
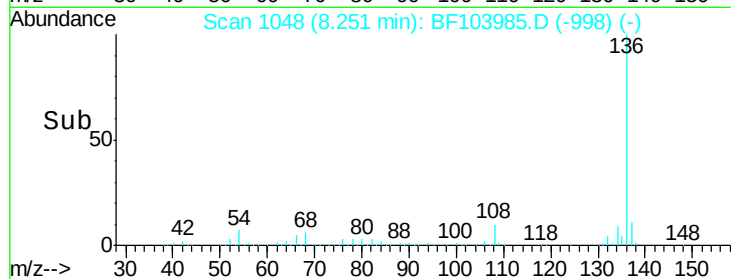
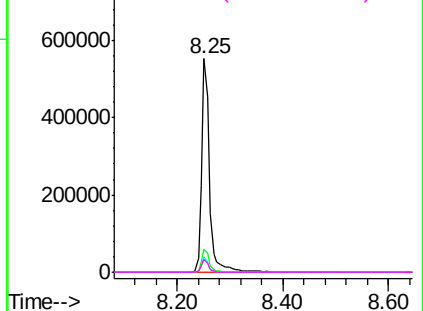
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		569258		
137	11.0		8.9	13.3	
54	7.3		6.6	9.8	
68	6.2		5.0	7.4	

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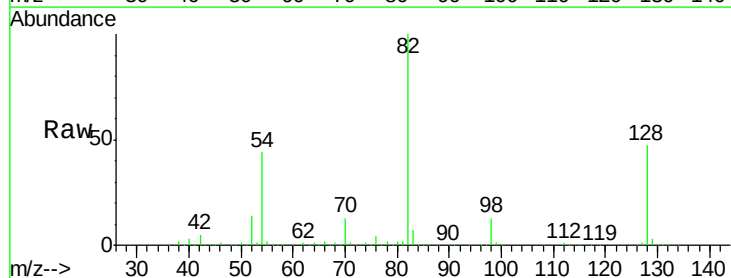


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

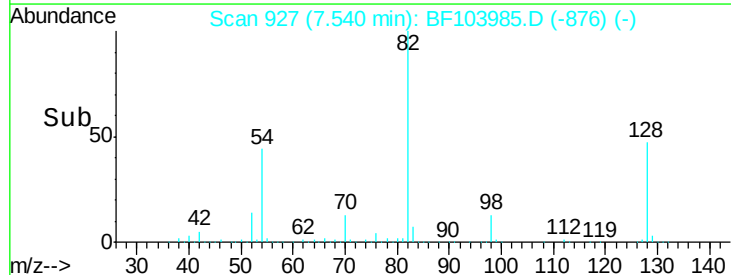
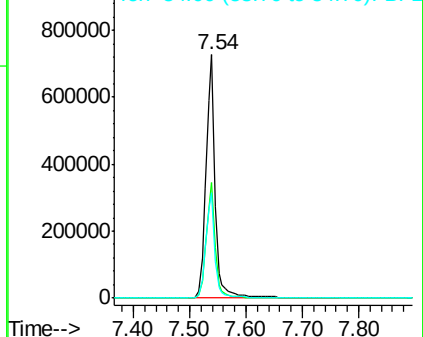


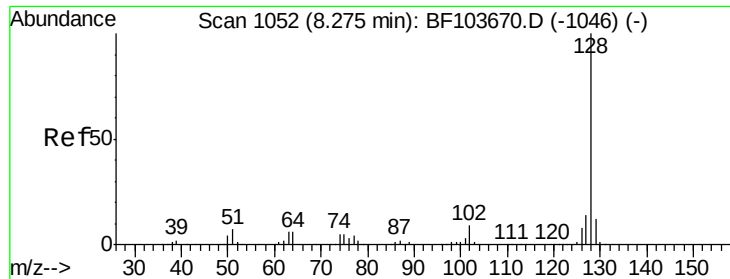
#23
Nitrobenzene-d5
Concen: 101.126 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		825498		
128	47.4		36.1	54.1	
54	43.5		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





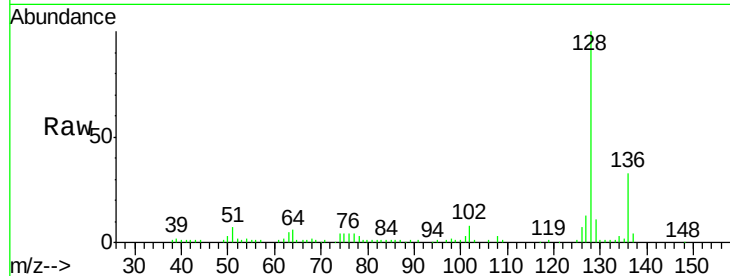
#31
Naphthalene
Concen: 2.757 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampled :
TP-1-MH-D-S

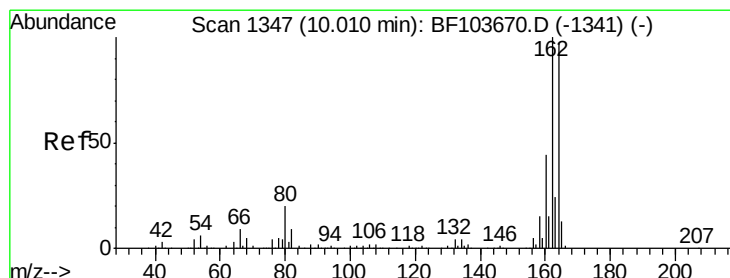
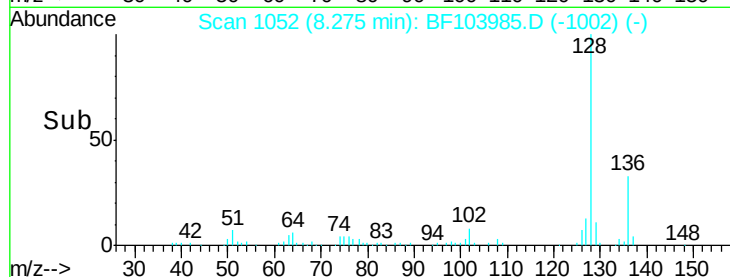
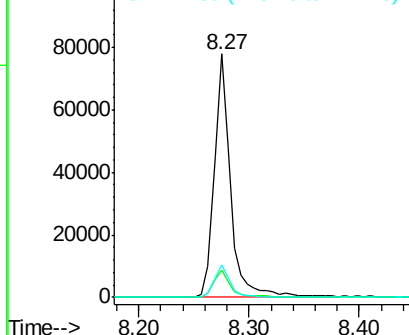
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.4	10.9	16.3

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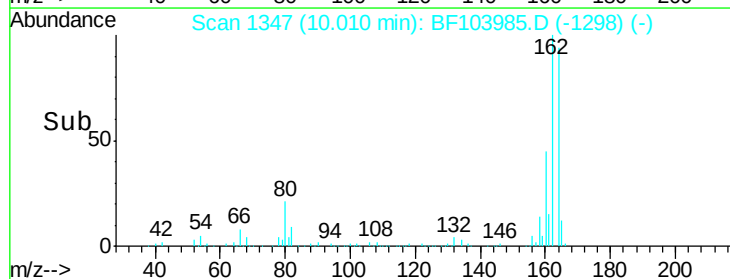
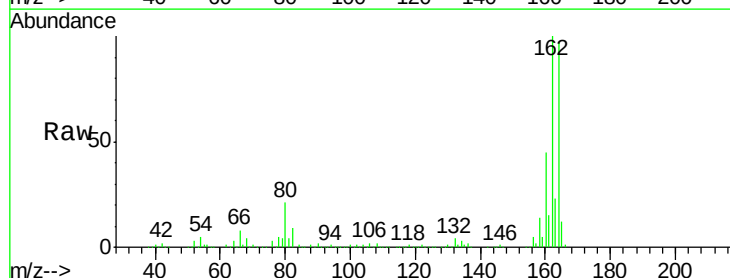
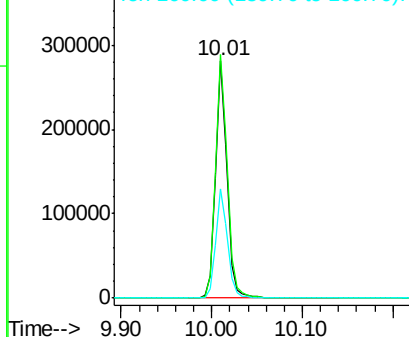
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

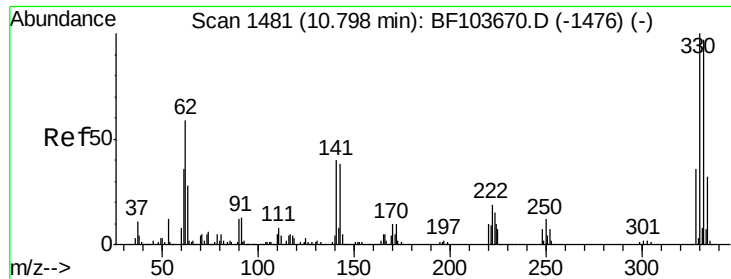


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	45.9	38.3	57.5

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





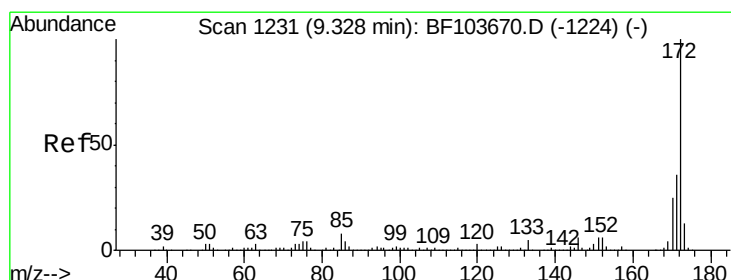
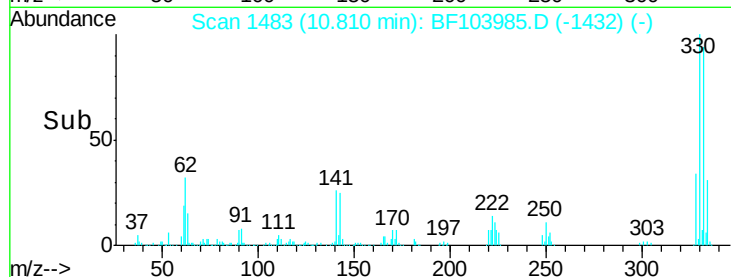
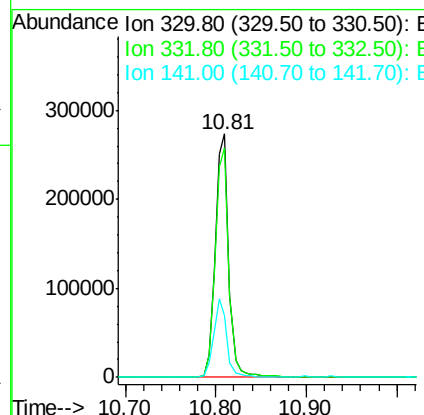
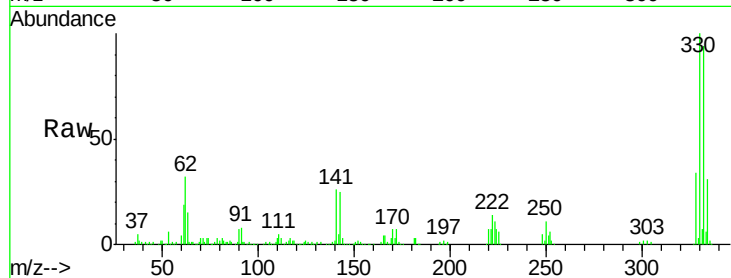
#41
 2,4,6-Tribromophenol
 Concen: 134.187 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF103985.D
 Acq: 27 Mar 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	286328		
332	95.8	77.0	115.6	
141	31.3	29.9	44.9	

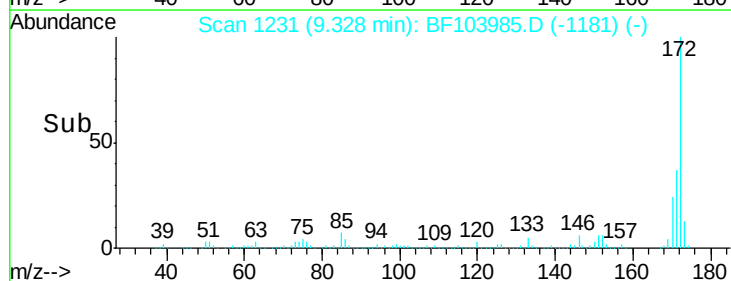
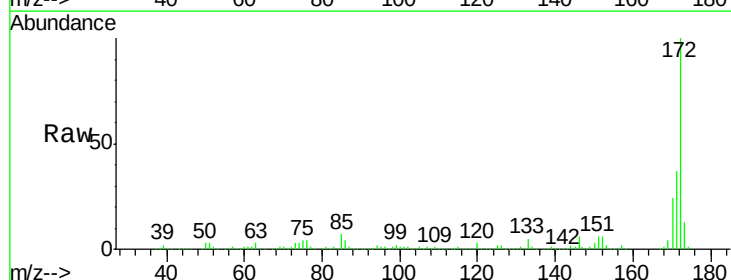
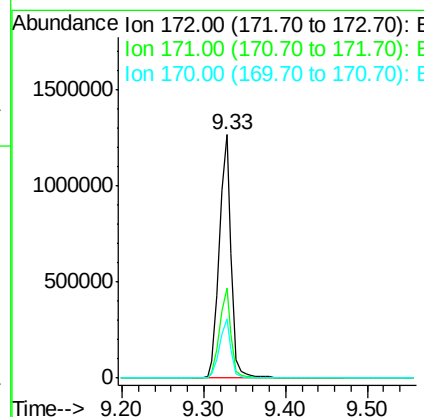
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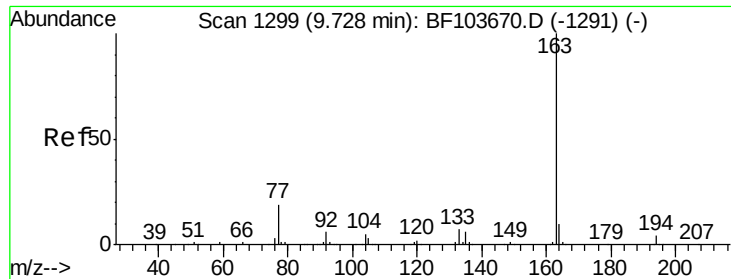
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#44
 2-Fluorobiphenyl
 Concen: 82.757 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103985.D
 Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1287524		
171	36.8	29.7	44.5	
170	24.1	19.6	29.4	





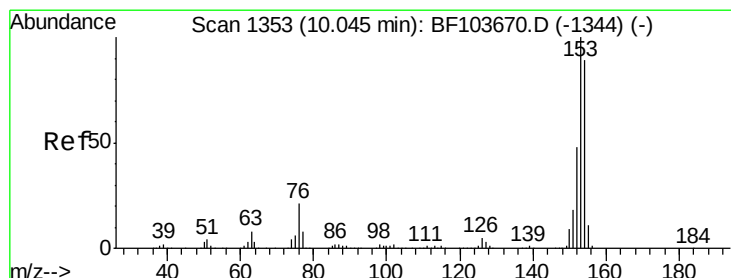
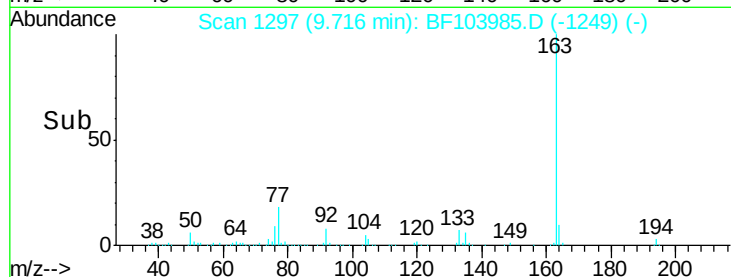
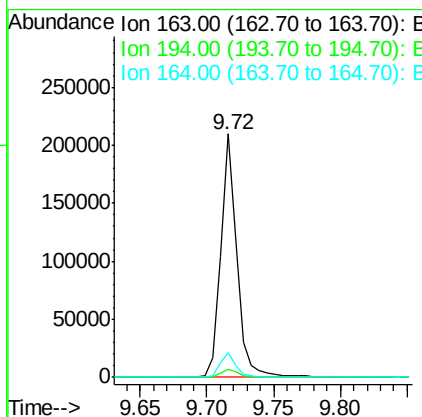
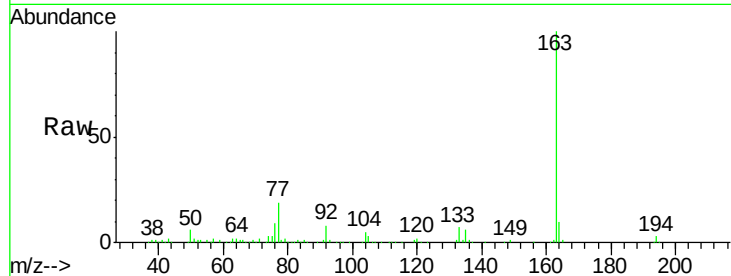
#49
Dimethylphthalate
Concen: 9.521 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampled :
TP-1-MH-D-S

Tot Ion	Ratio	Resp	Lower	Upper
163	100	180280		
194	3.4		2.7	4.1
164	10.1		8.2	12.2

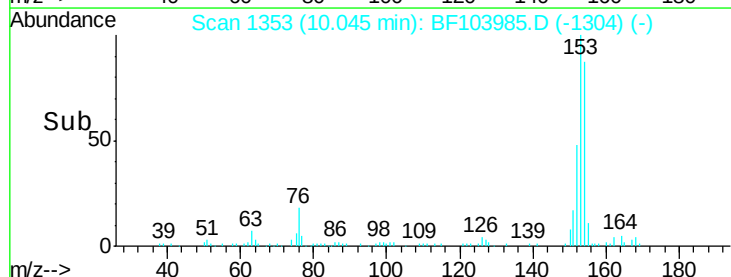
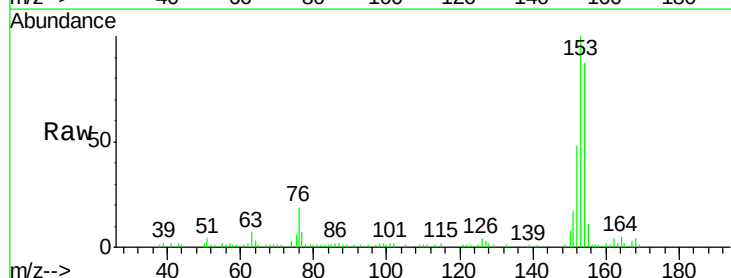
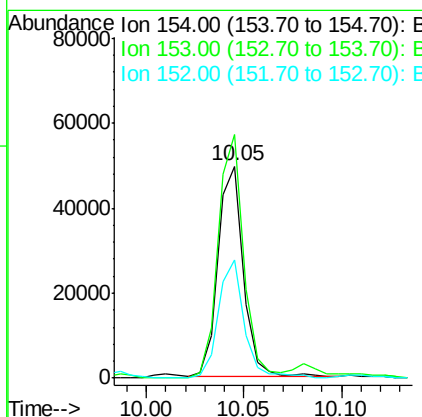
Manual Integrations
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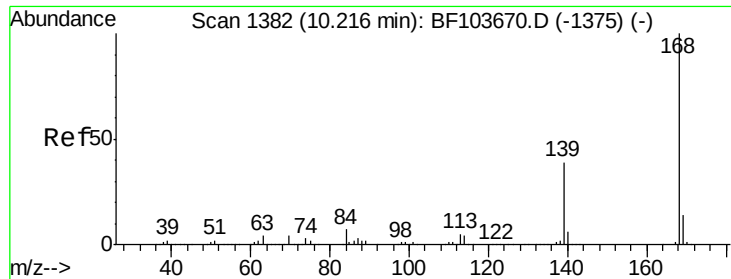
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#51
Acenaphthene
Concen: 2.932 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	44379		
153	115.0		91.2	136.8
152	55.7		43.8	65.8





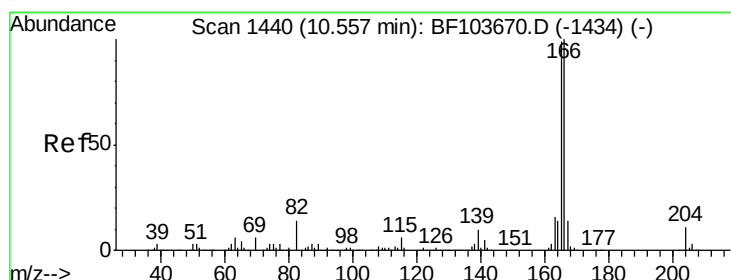
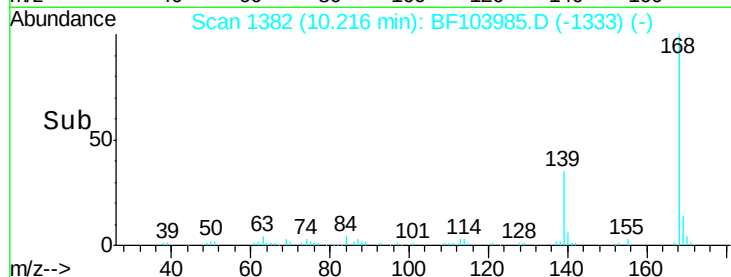
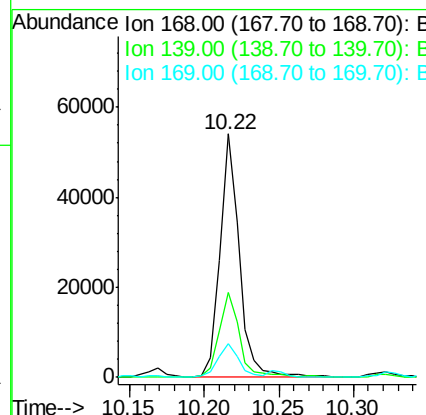
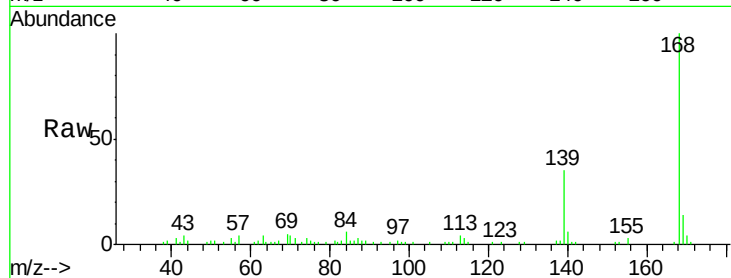
#54
Dibenzenofuran
Concen: 2.287 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.1	45.1
169	13.8	10.9	16.3

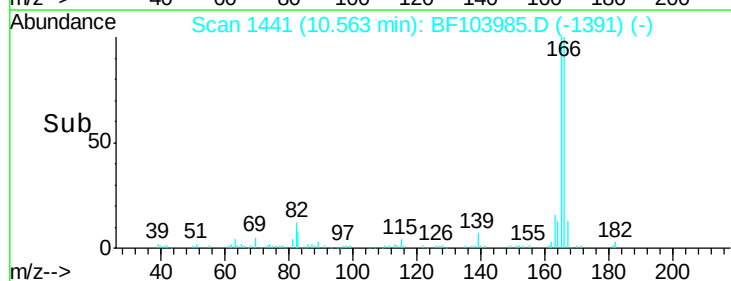
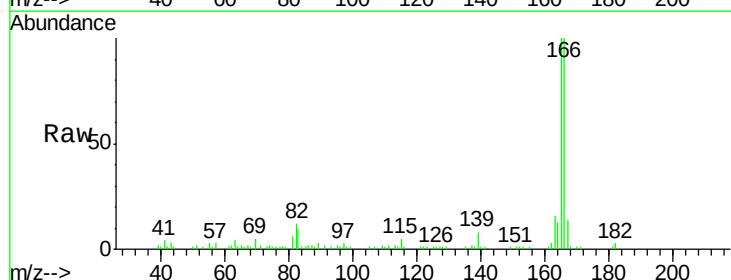
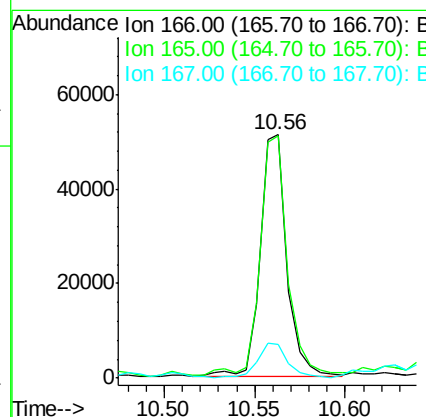
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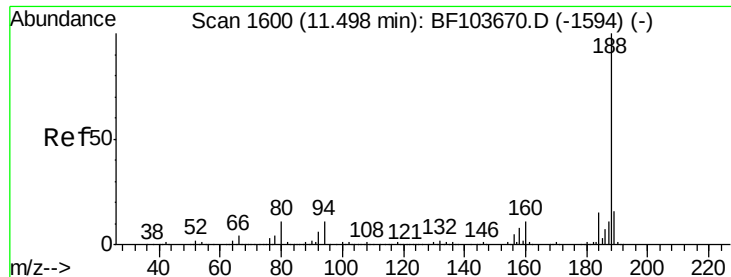
Sohil
3/28/2018 4:54:34 PM



#57
Fluorene
Concen: 3.110 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.1	10.6	16.0





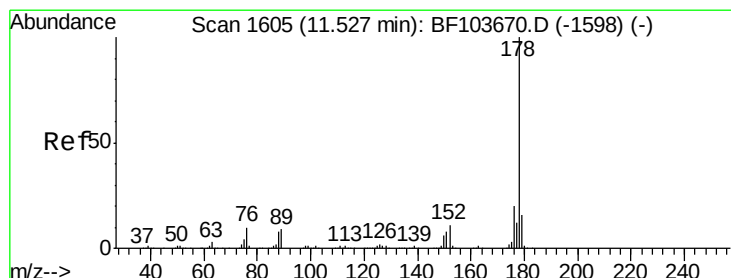
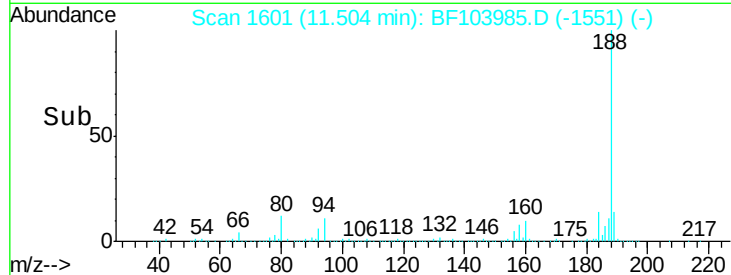
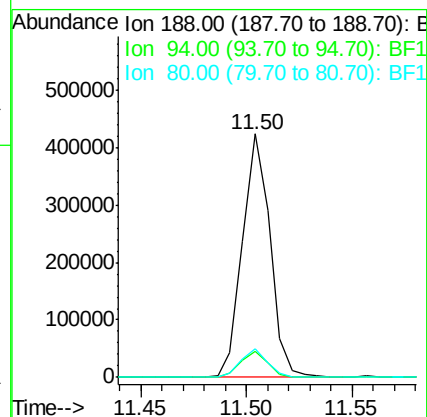
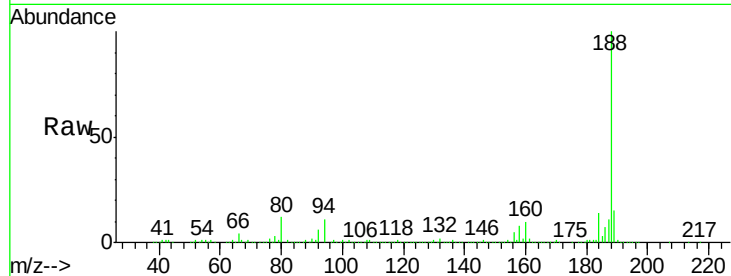
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

Tot Ion	Ratio	Resp	Lower	Upper
188	100	383334		
94	10.9		8.5	12.7
80	11.7		9.2	13.8

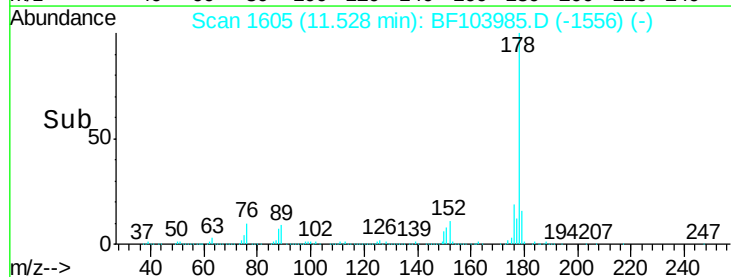
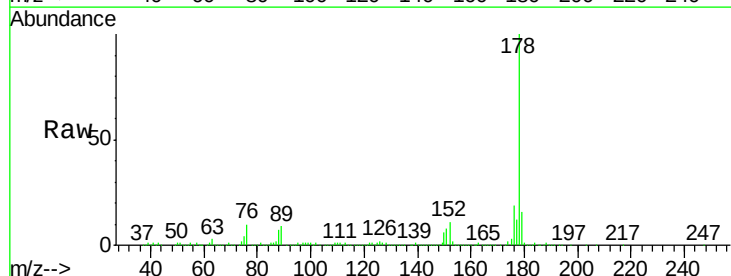
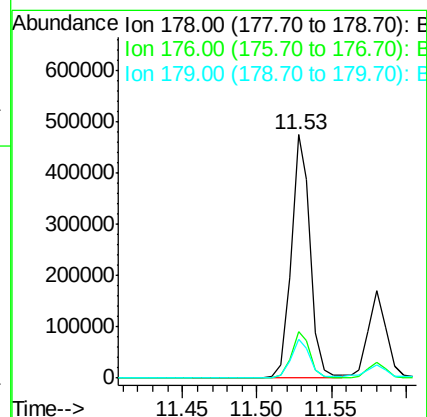
Manual Integrations
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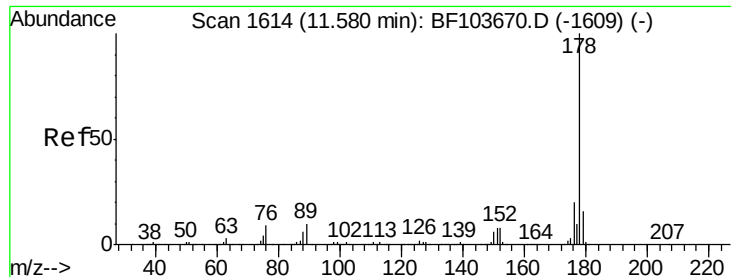
Sohil
3/28/2018 4:54:34 PM



#70
Phenanthrene
Concen: 20.212 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	423826		
176	19.4		15.8	23.8
179	16.0		13.0	19.6





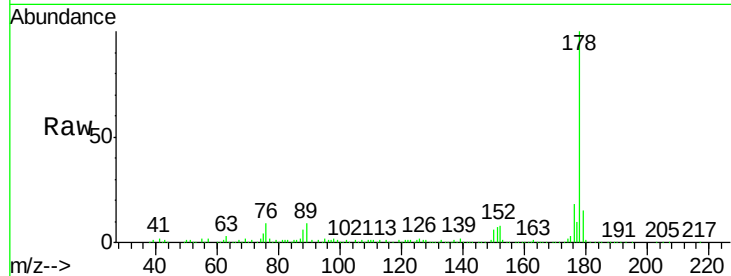
#71
 Anthracene
 Concen: 6.423 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF103985.D
 Acq: 27 Mar 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.4	12.6	19.0

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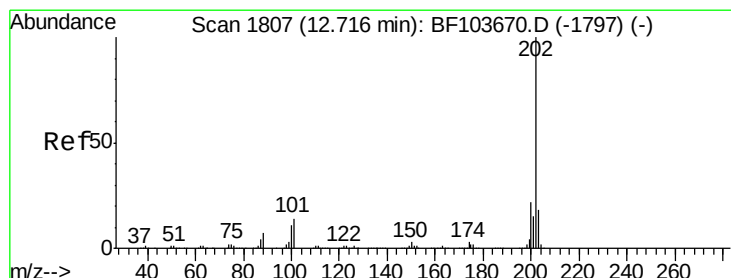
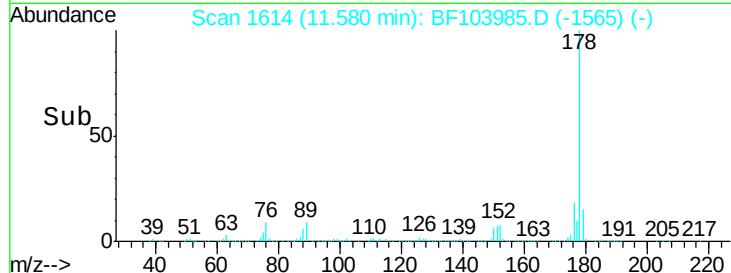
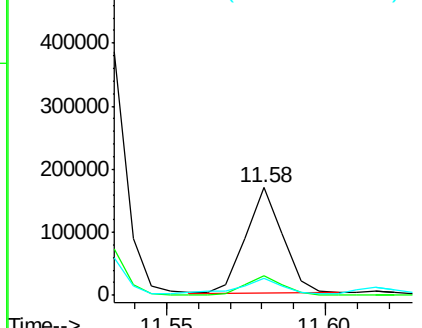


Abundance

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: 27.121 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF103985.D
 Acq: 27 Mar 2018 22:06

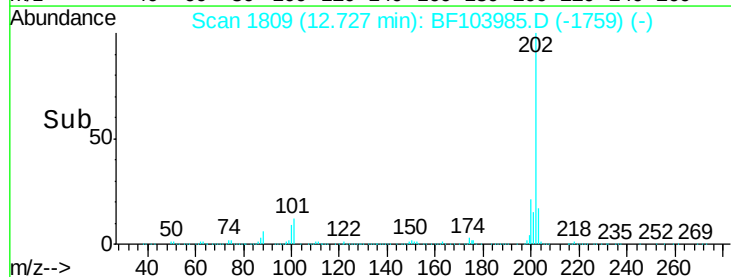
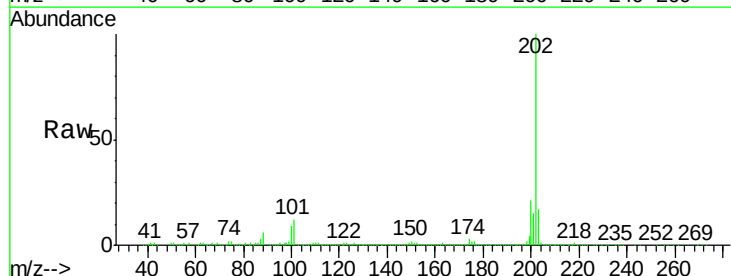
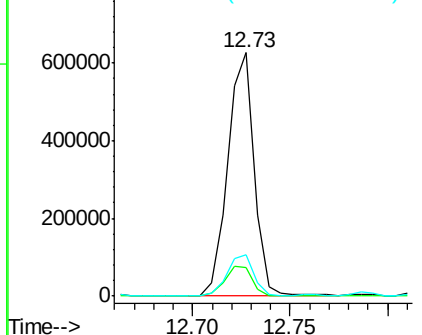
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	17.2	0.0	38.1

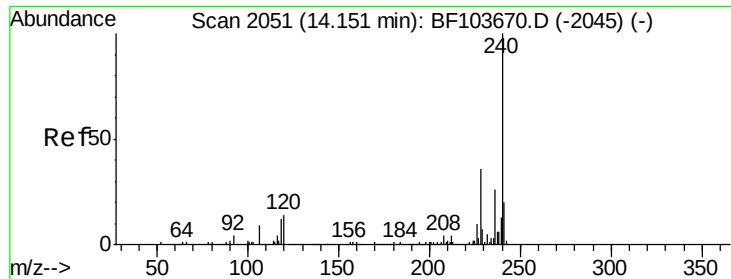
Abundance

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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Instrument :

BNA_F

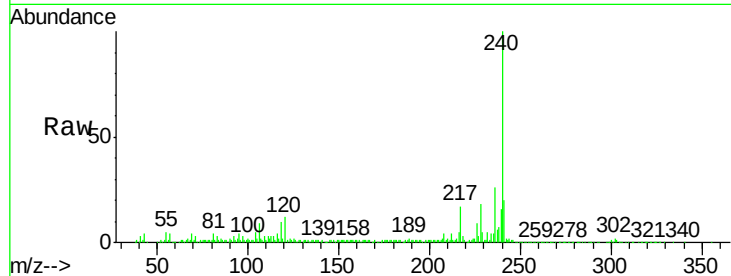
ClientSampleId :

TP-1-MH-D-S

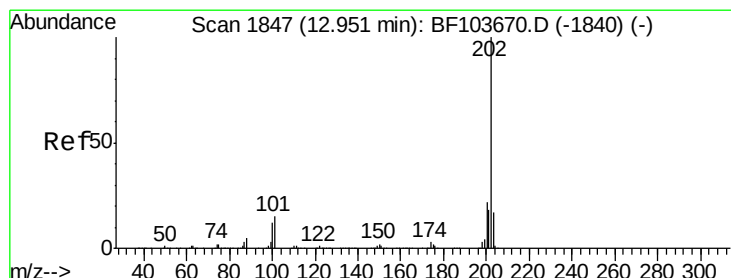
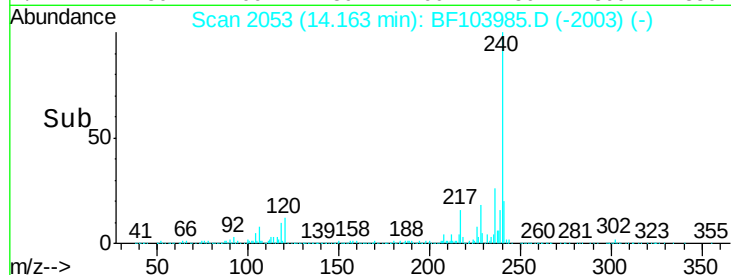
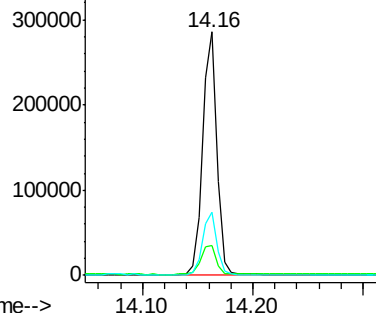
Tot Ion:	240	Resp:	258056
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	25.8	20.7	31.1

Manual Integrations
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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: 28.952 ng

RT: 12.96 min Scan# 1848

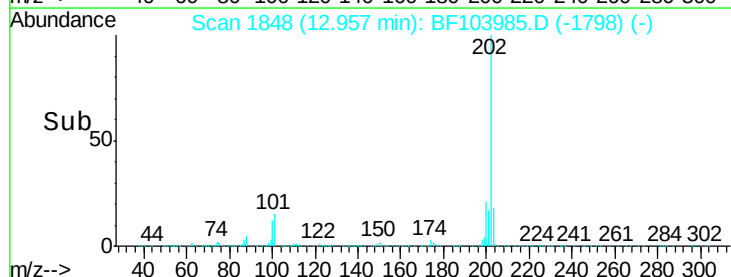
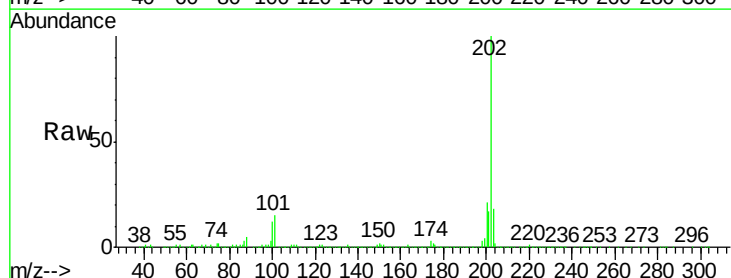
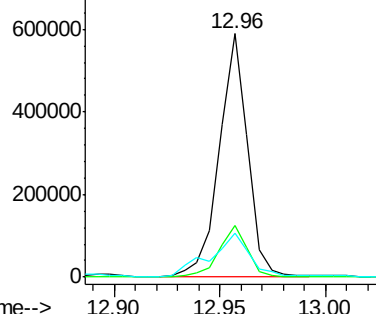
Delta R.T. -0.01 min

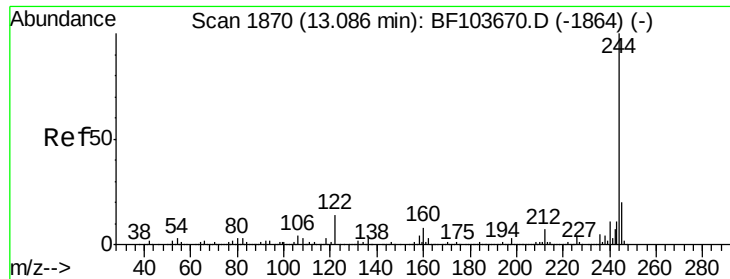
Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Tgt Ion:	202	Resp:	548676
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.1	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: 82.684 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Instrument :

BNA_F

ClientSampled :

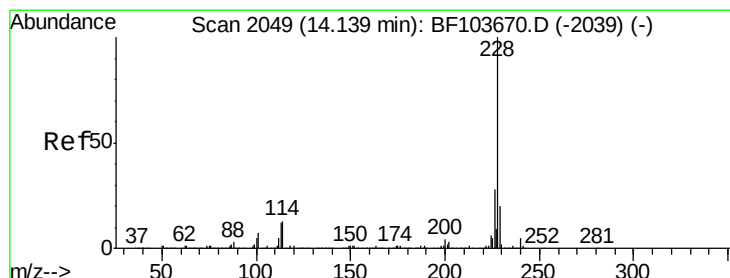
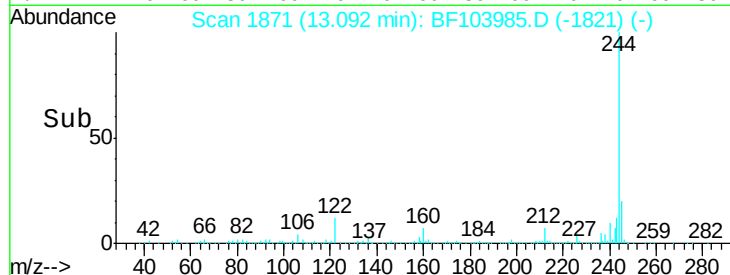
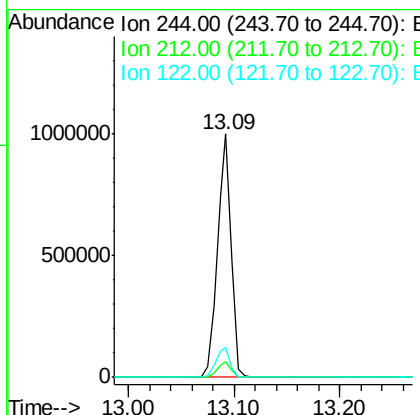
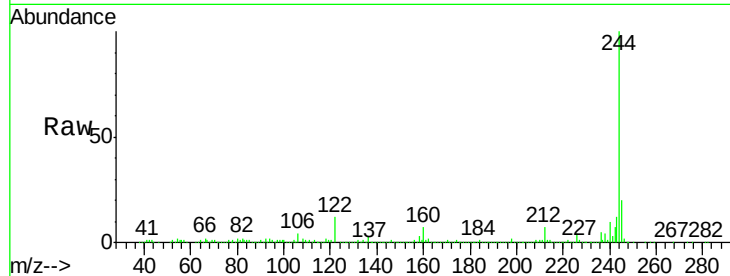
TP-1-MH-D-S

Tot Ion:244 Resp: 919249

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.4	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 21.280 ng m

RT: 14.15 min Scan# 2051

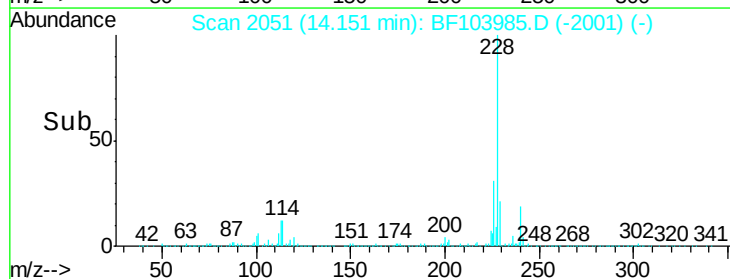
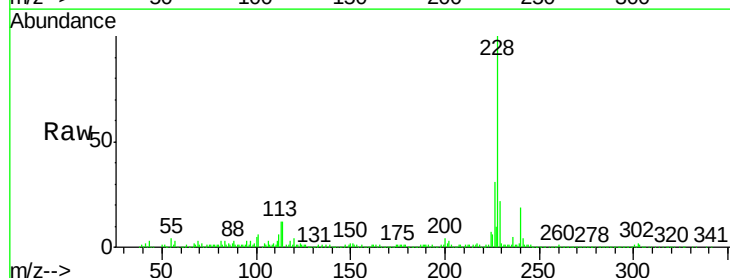
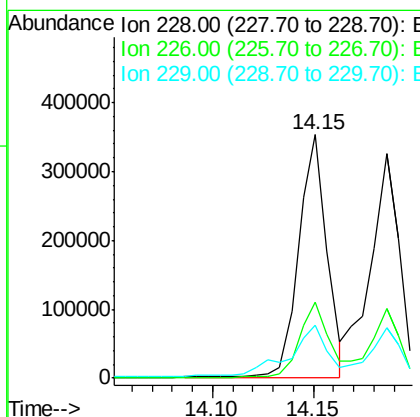
Delta R.T. -0.01 min

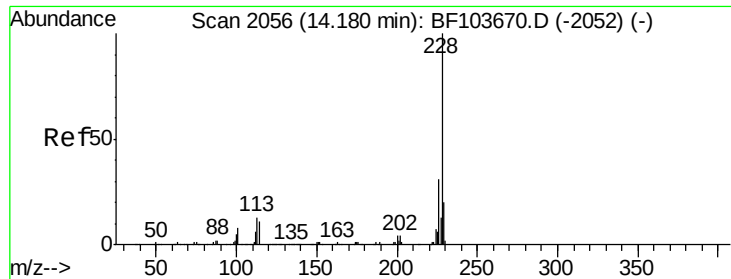
Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Tgt Ion:228 Resp: 347612

Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	21.8	15.8	23.6





#82

Chrysene

Concen: 21.315 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Instrument :

BNA_F

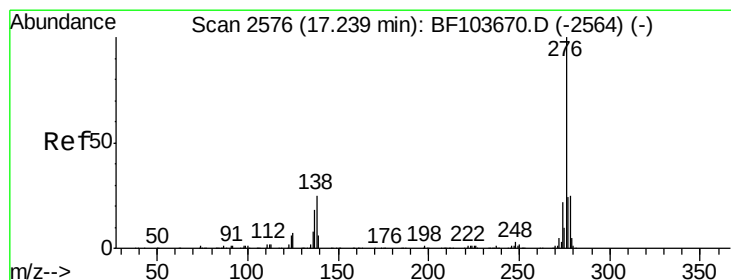
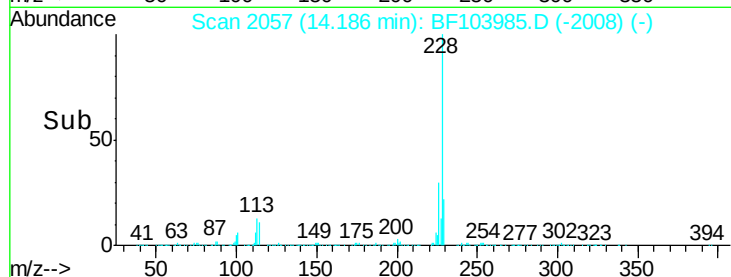
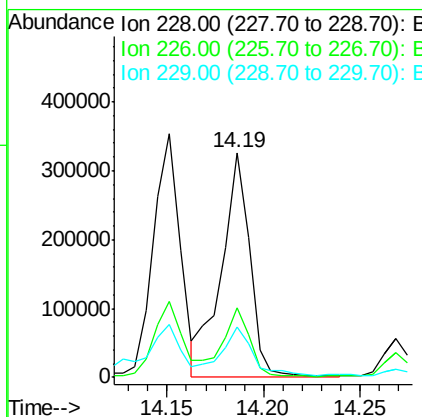
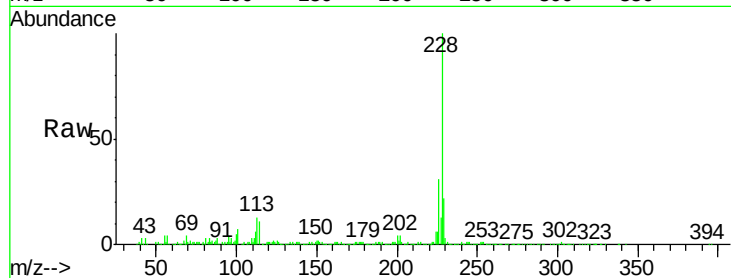
ClientSampleId :

TP-1-MH-D-S

Tot Ion:	228	Resp:	331896
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	22.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.142 ng

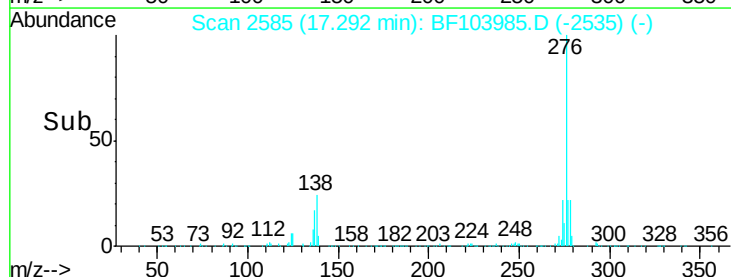
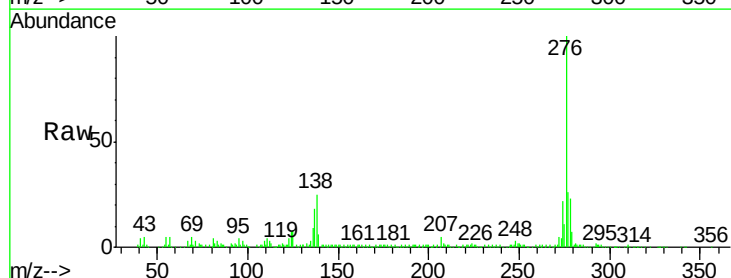
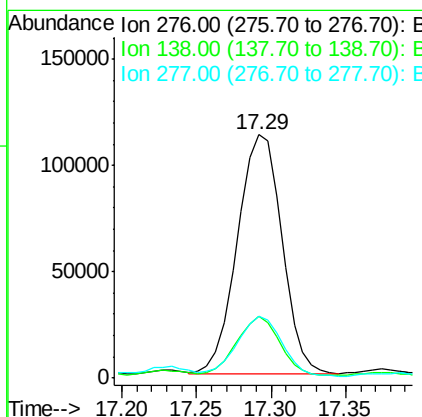
RT: 17.29 min Scan# 2585

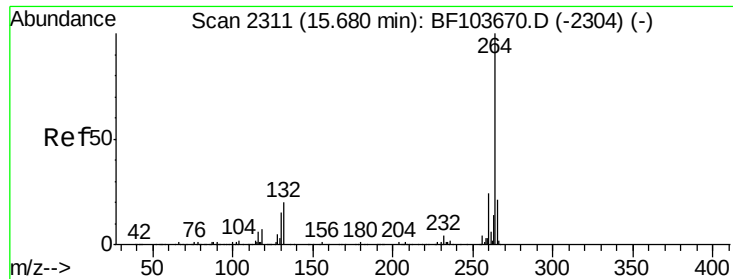
Delta R.T. -0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Tgt Ion:	276	Resp:	233104
Ion Ratio	Lower	Upper	
276	100		
138	23.6	25.0	37.6#
277	25.2	20.1	30.1





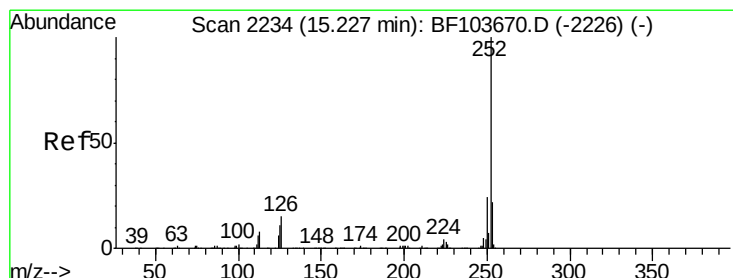
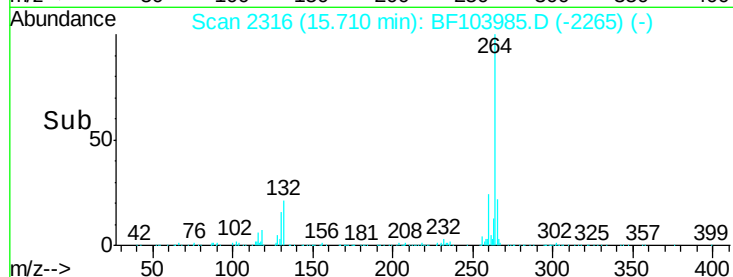
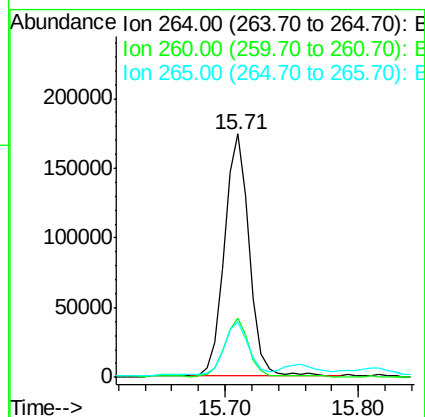
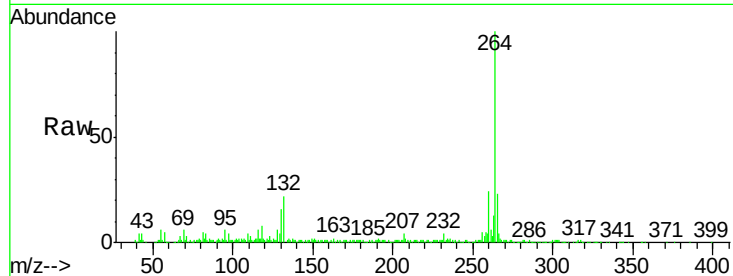
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

Tot Ion:	264	Resp:	227172
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

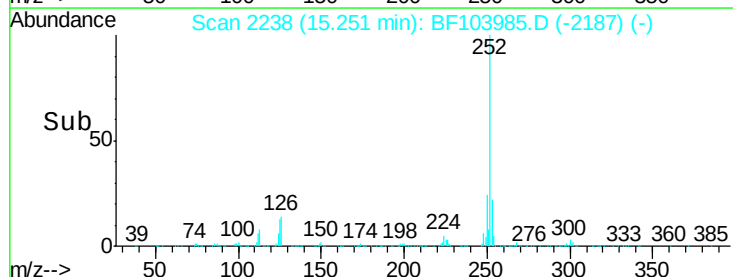
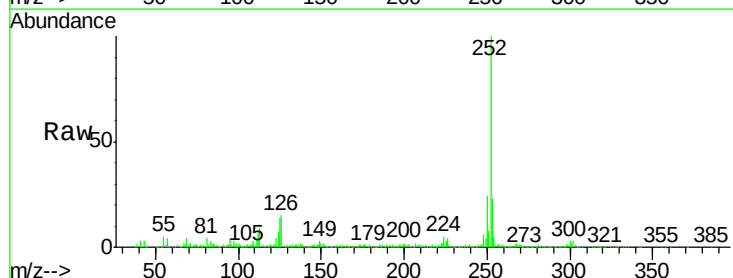
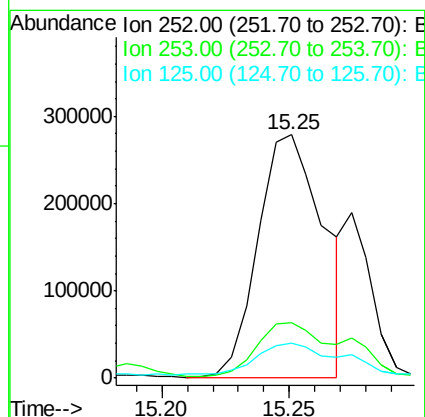
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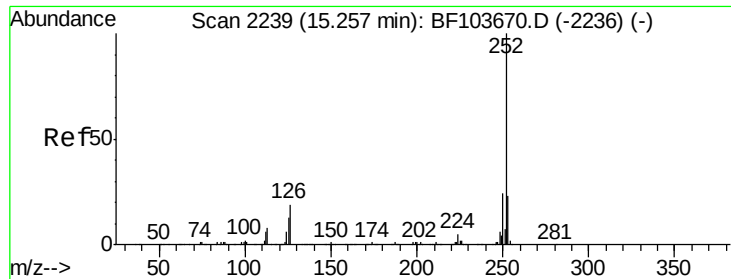
Sohil
3/28/2018 4:54:34 PM



#87
Benzo(b)fluoranthene
Concen: 34.582 ng m
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion:	252	Resp:	496320
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	14.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 10.273 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Instrument :

BNA_F

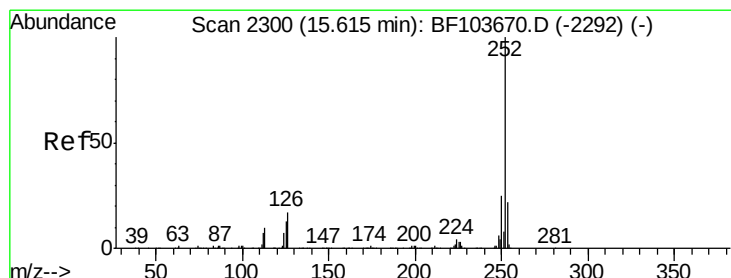
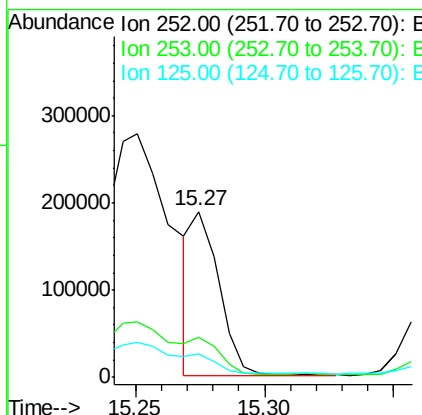
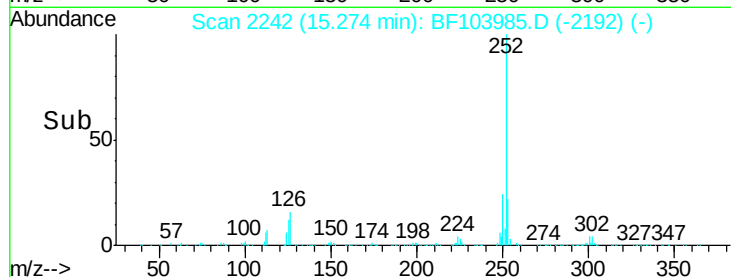
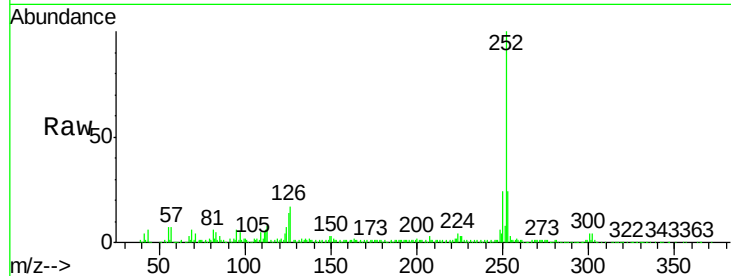
ClientSampled :

TP-1-MH-D-S

Tot Ion:	252	Resp:	141727
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	14.0	10.2	15.2

Manual Integrations
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3/28/2018 4:54:34 PM



#89

Benzo(a)pyrene

Concen: 29.099 ng

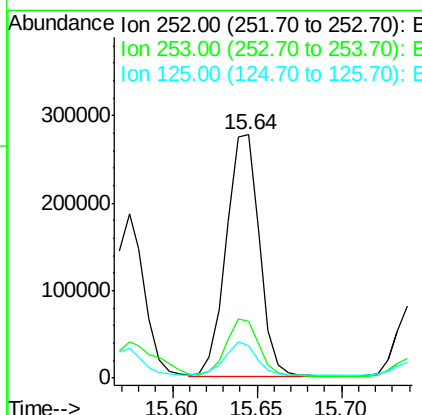
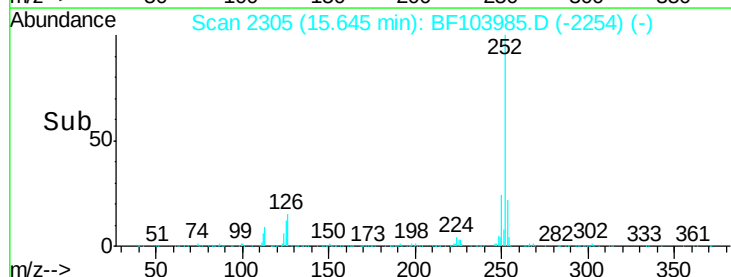
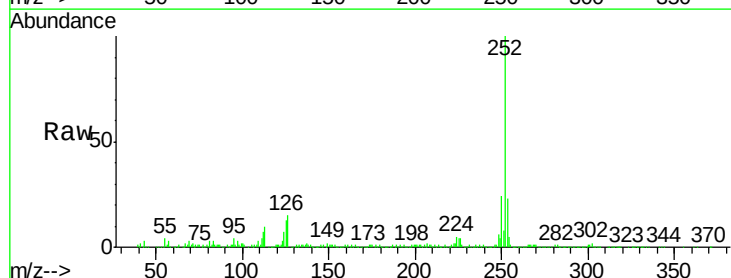
RT: 15.64 min Scan# 2305

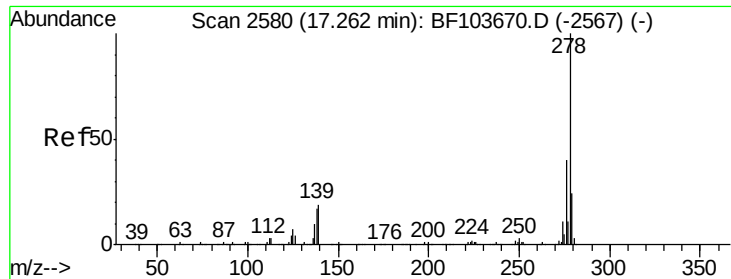
Delta R.T. 0.00 min

Lab File: BF103985.D

Acq: 27 Mar 2018 22:06

Tgt Ion:	252	Resp:	378800
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	13.1	9.8	14.6





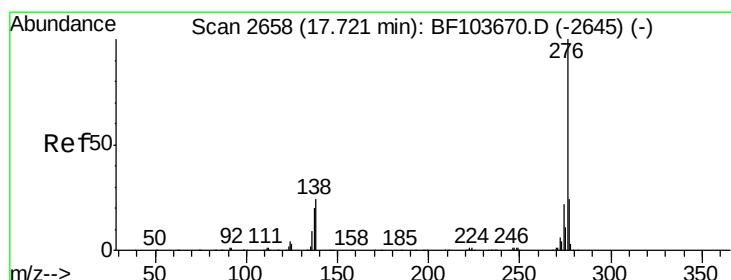
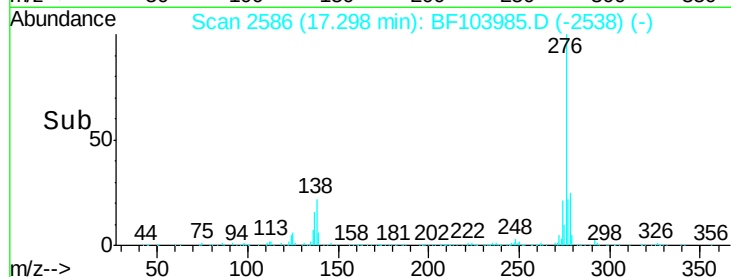
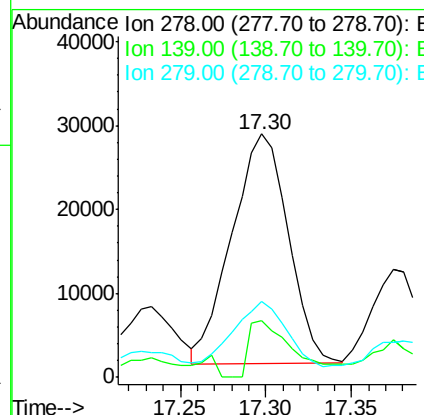
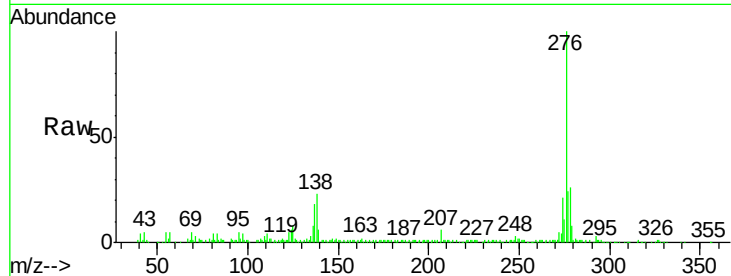
#90
Dibenzo(a,h)anthracene
Concen: 5.561 ng/mL
RT: 17.30 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.3	15.9	23.9
279	31.0	19.0	28.4

Manual Integrations
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3/28/2018 4:54:34 PM



#91
Benzo(g,h,i)perylene
Concen: 19.286 ng/mL
RT: 17.78 min Scan# 2668
Delta R.T. 0.00 min
Lab File: BF103985.D
Acq: 27 Mar 2018 22:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	23.8	21.8	32.8

