

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104677.D
 Acq On : 20 Apr 2018 16:35
 Operator : JU/SJ
 Sample : J2475-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-01

Manual Integrations
 APPROVED

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Quant Time: Apr 23 11:23:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115191	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	450031	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	187700	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	310245	20.00	ng	0.00
75) Chrysene-d12	13.98	240	239747	20.00	ng	0.00
86) Perylene-d12	15.44	264	189610	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	613309	81.41	ng	0.00
7) Phenol-d6	6.45	99	735127	79.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	428498	62.17	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	159300	81.82	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	781184	65.75	ng	0.00
78) Terphenyl-d14	12.92	244	657408	62.51	ng	0.00
Target Compounds						
10) Phenol	6.45	94	20157	2.052	ng	81
49) Dimethylphthalate	9.56	163	53610	3.622	ng	98
70) Phenanthrene	11.36	178	91411	5.291	ng	99
74) Fluoranthene	12.54	202	183454	10.163	ng	99
77) Pyrene	12.77	202	173381	9.756	ng	100
80) Benzo(a)anthracene	13.97	228	85514	5.971	ng	96
82) Chrysene	14.00	228	94657	6.434	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	57076	4.567	ng	94
87) Benzo(b)fluoranthene	15.02	252	118350m	9.883	ng	
88) Benzo(k)fluoranthene	15.04	252	47061m	4.163	ng	
89) Benzo(a)pyrene	15.38	252	77586	7.241	ng	# 96
91) Benzo(a,h,i)perylene	17.34	276	57847	6.785	ng	98

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

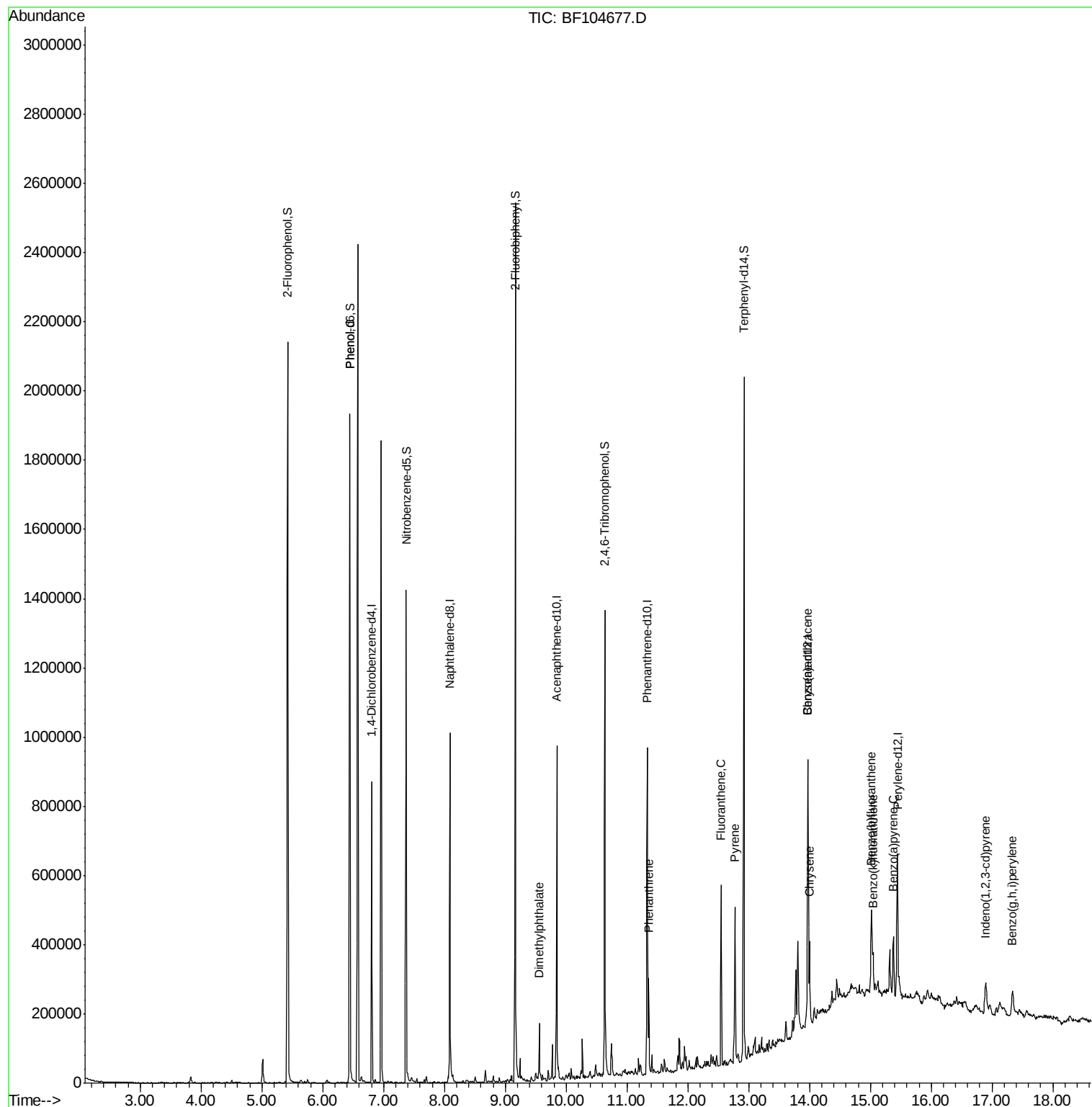
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
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#1

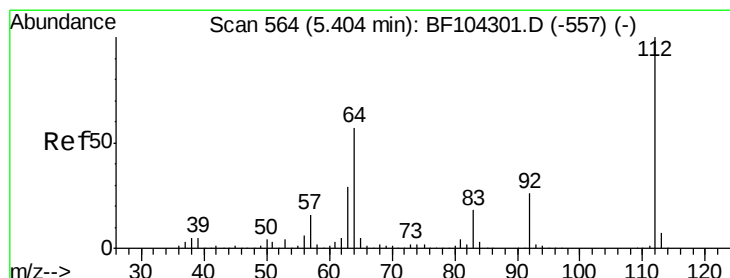
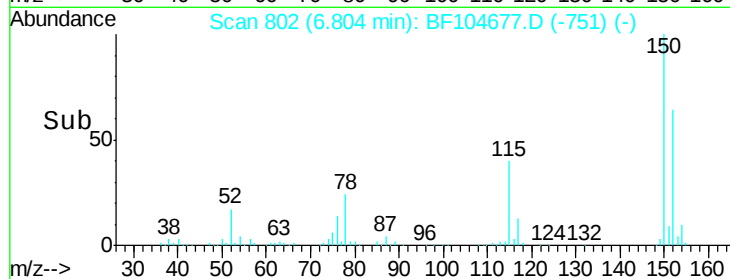
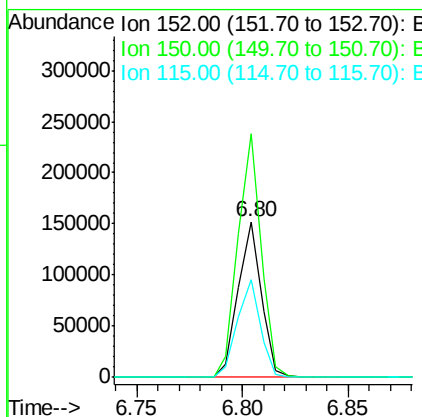
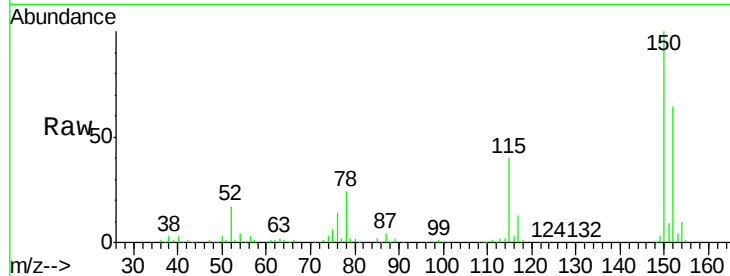
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	62.9	50.1	75.1

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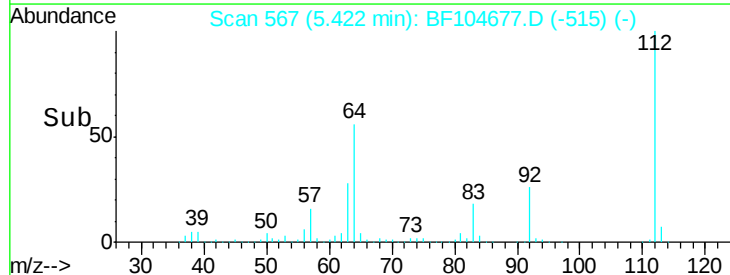
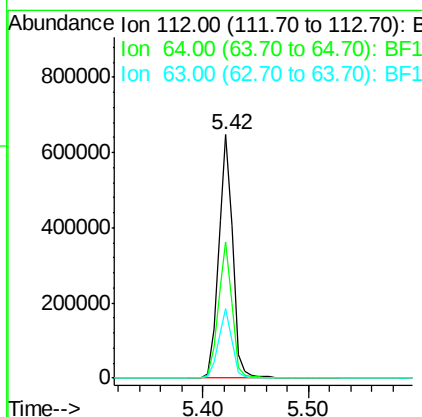
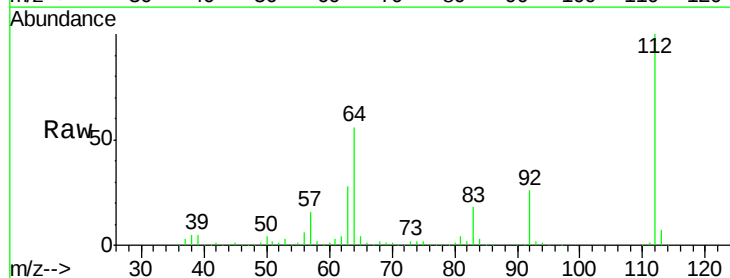
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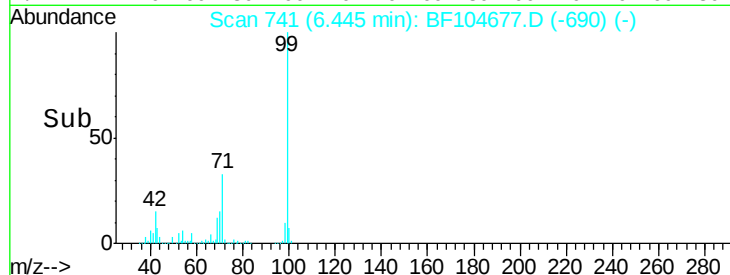
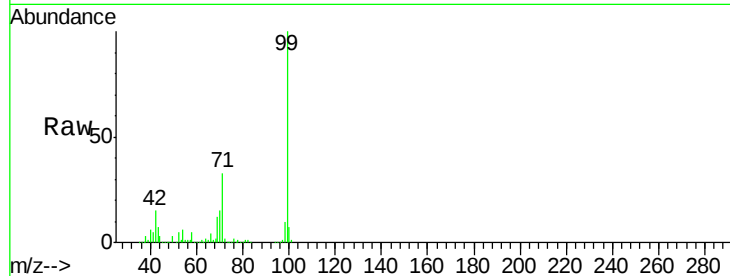


#5

2-Fluorophenol
Concen: 81.411 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 79.420 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Tot Ion:	99	Resp:	735127
Ion Ratio	Lower	Upper	
99	100		
42	15.1	14.5	21.7
71	32.7	25.4	38.0

Instrument :

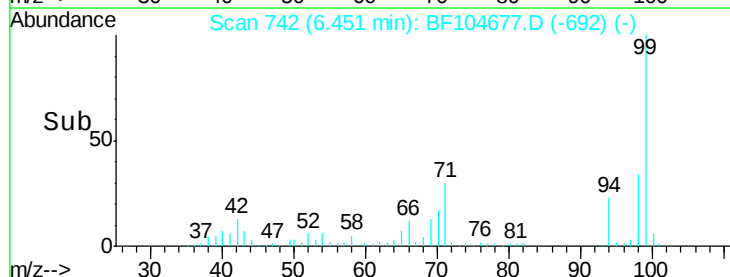
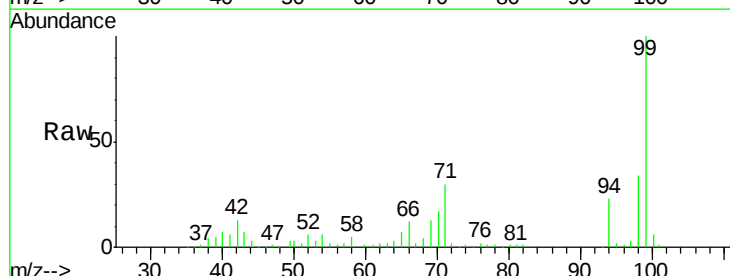
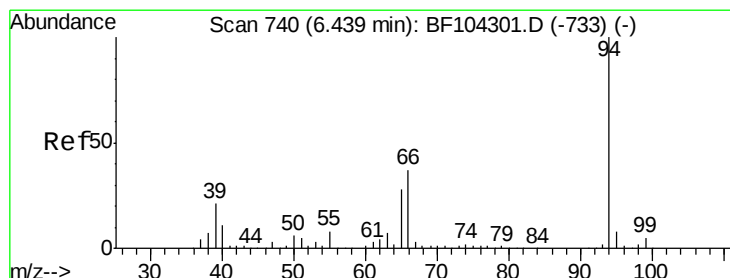
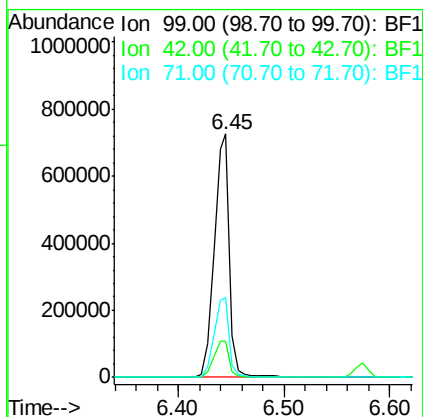
BNA_F

ClientSampled :

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#10

Phenol

Concen: 2.052 ng

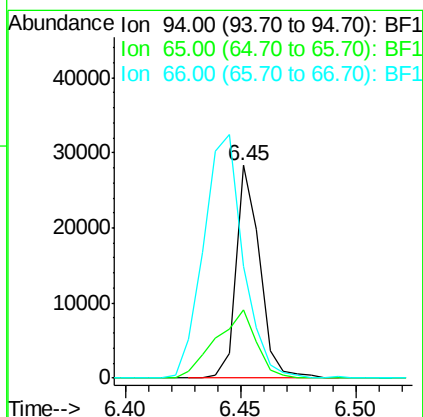
RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Tgt Ion:	94	Resp:	20157
Ion Ratio	Lower	Upper	
94	100		
65	32.1	7.9	47.9
66	52.8	16.2	56.2





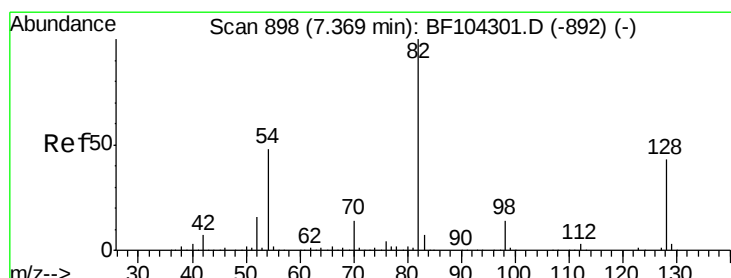
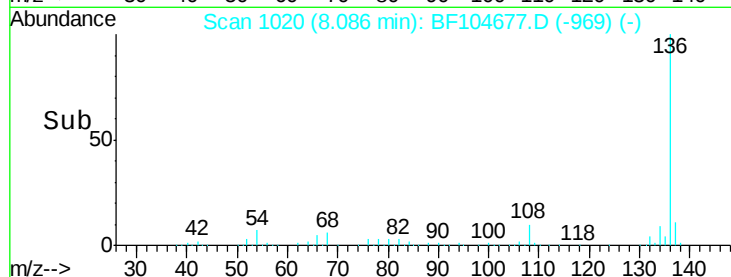
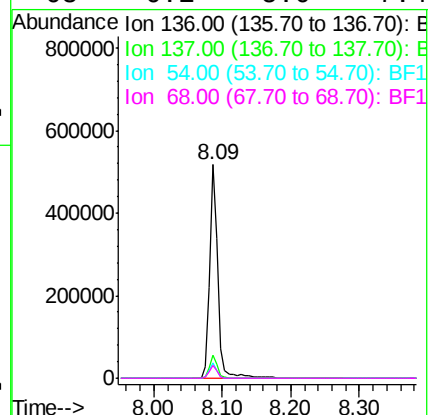
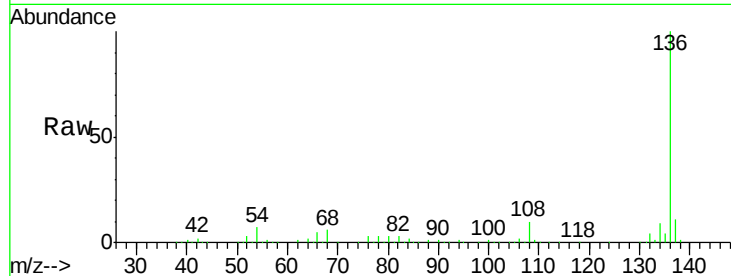
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100	450031		
137	10.6	8.9	13.3	
54	7.3	6.6	9.8	
68	6.1	5.0	7.4	

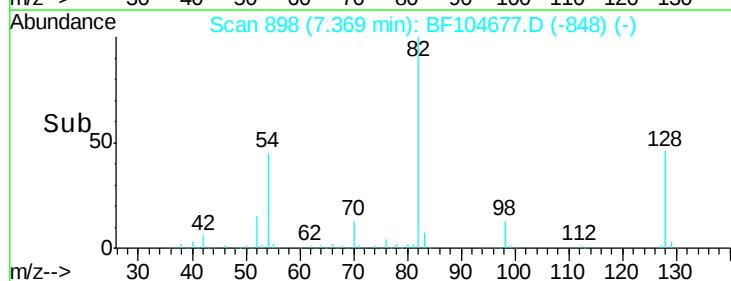
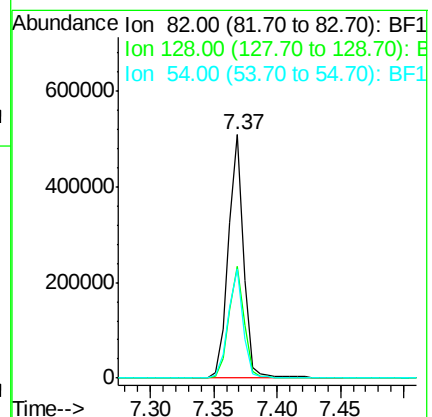
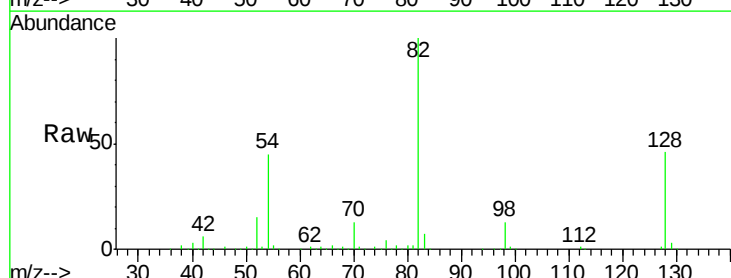
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#23
Nitrobenzene-d5
Concen: 62.174 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	428498		
128	45.7	36.1	54.1	
54	44.7	41.4	62.2	





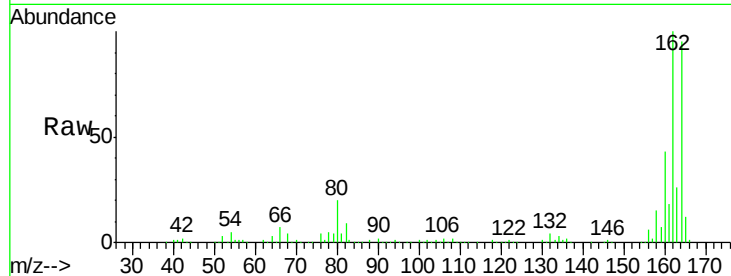
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampled :
 SB-03-01

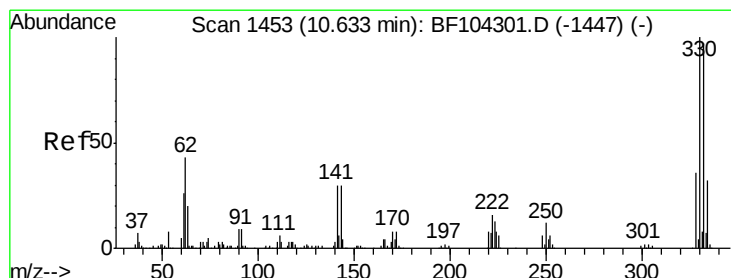
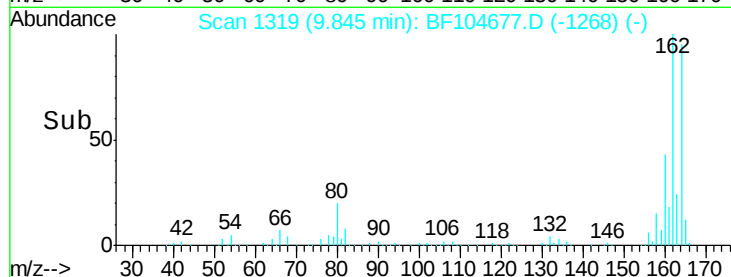
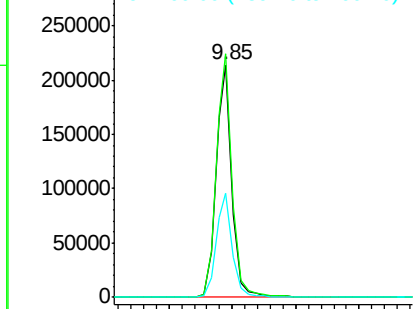
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	86.1	129.1	
160	45.1	38.3	57.5	

Manual Integrations
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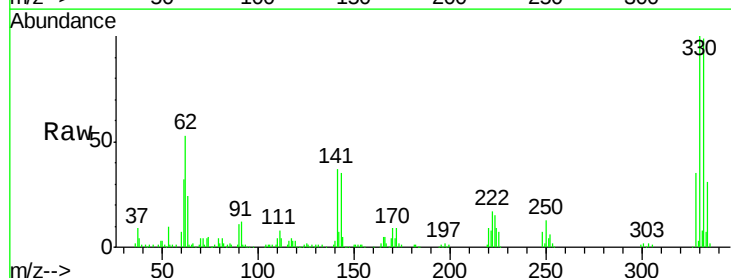


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

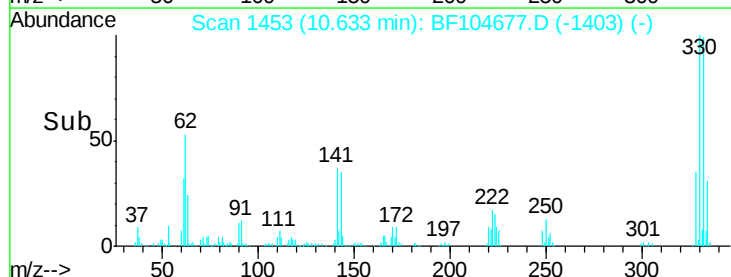
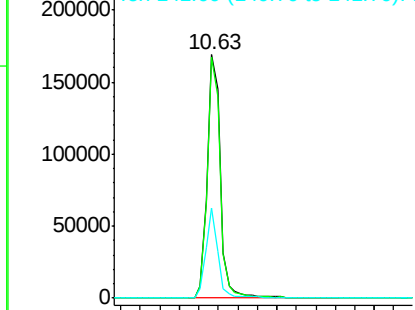


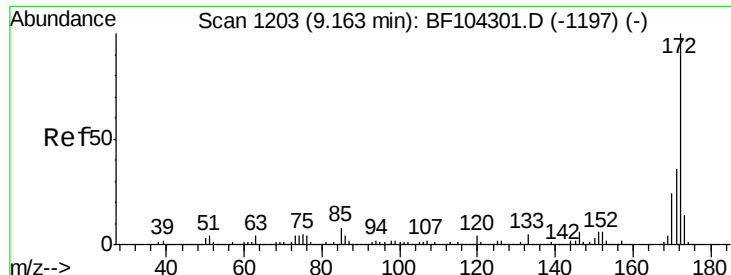
#41
 2,4,6-Tribromophenol
 Concen: 81.816 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.0	115.6	
141	34.0	29.9	44.9	



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





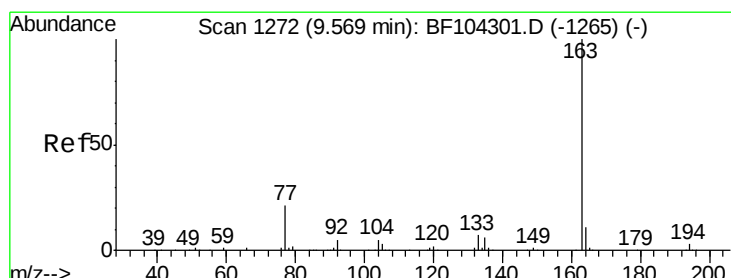
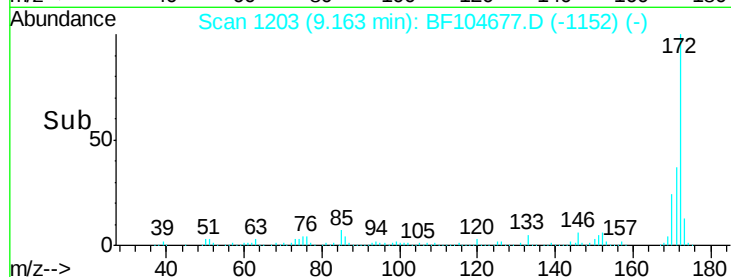
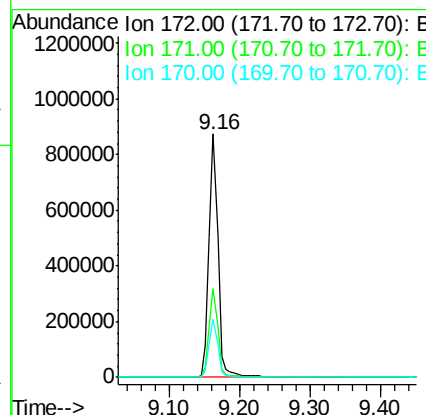
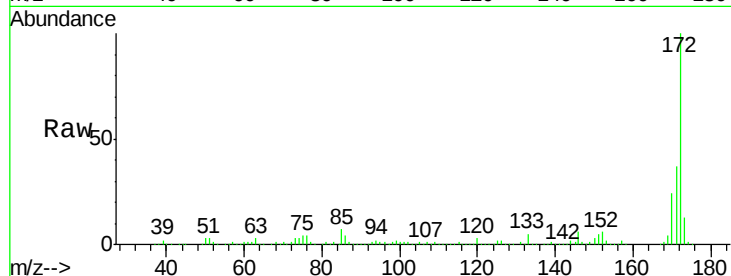
#44
2-Fluorobiphenyl
Concen: 65.747 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampled :
SB-03-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.6	19.6	29.4

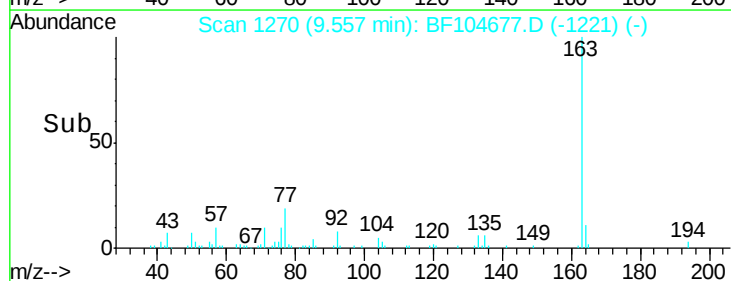
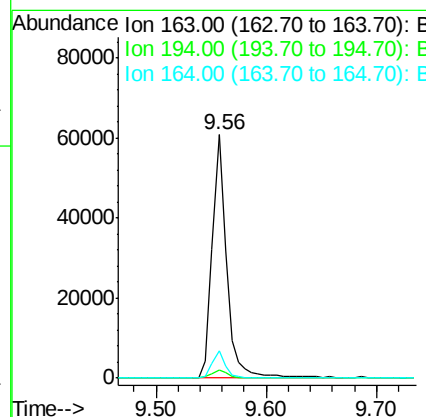
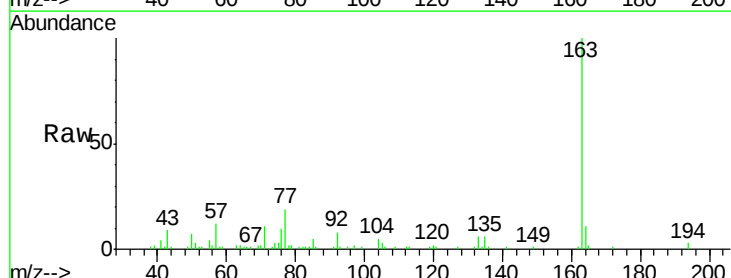
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#49
Dimethylphthalate
Concen: 3.622 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	11.2	8.2	12.2





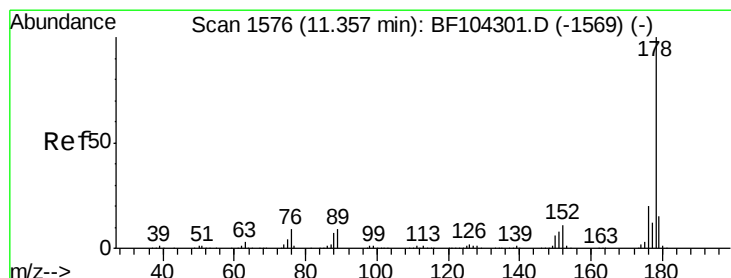
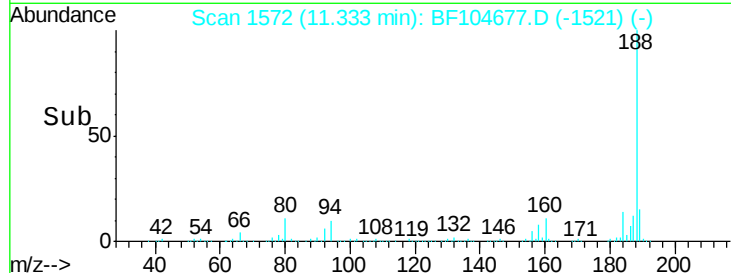
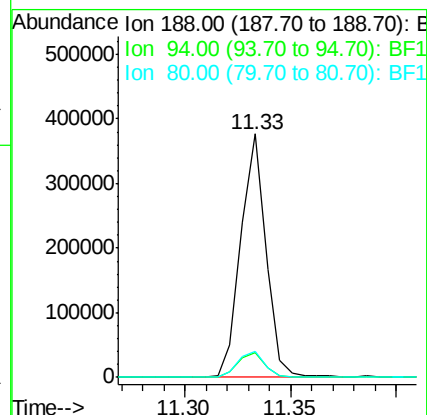
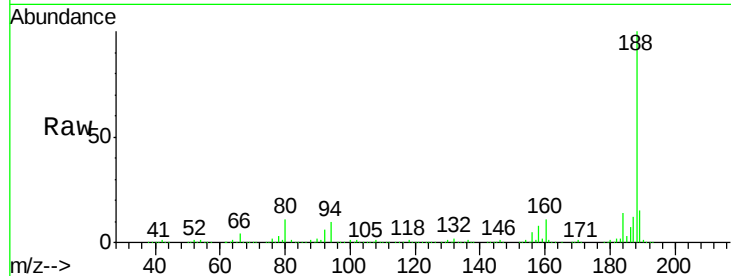
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampled :
SB-03-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.6	9.2	13.8

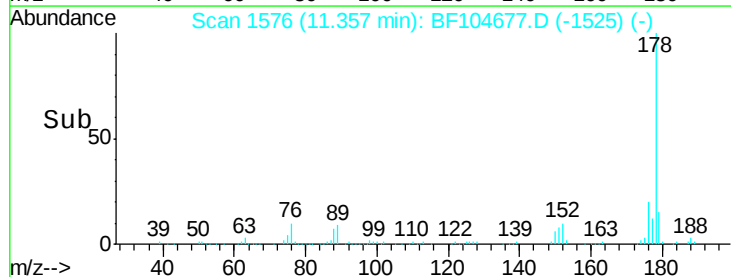
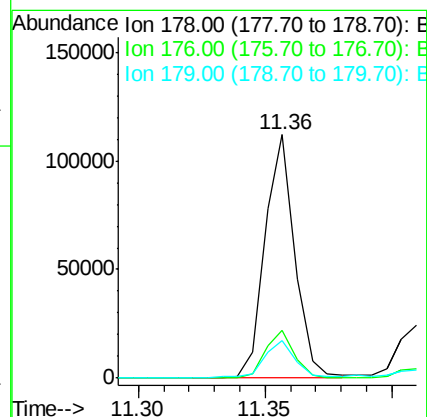
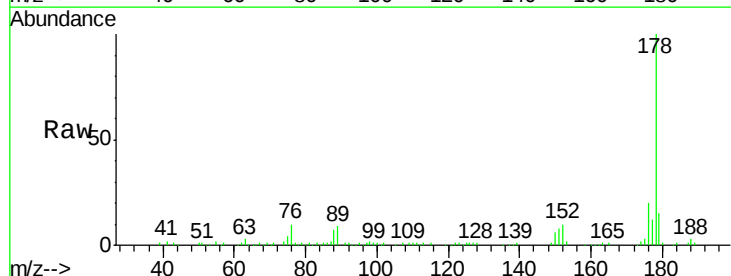
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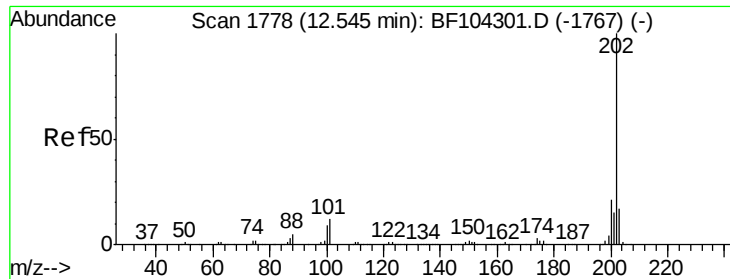
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#70
Phenanthrene
Concen: 5.291 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.3	13.0	19.6





#74

Fluoranthene

Concen: 10.163 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

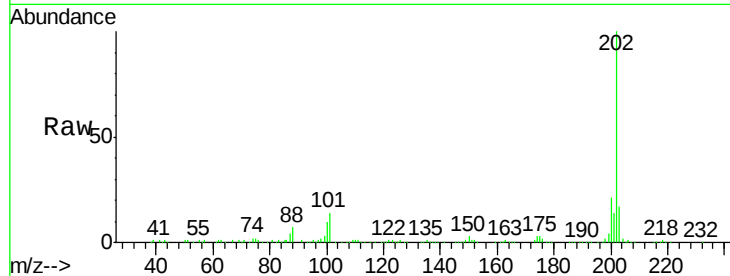
ClientSampleId :

SB-03-01

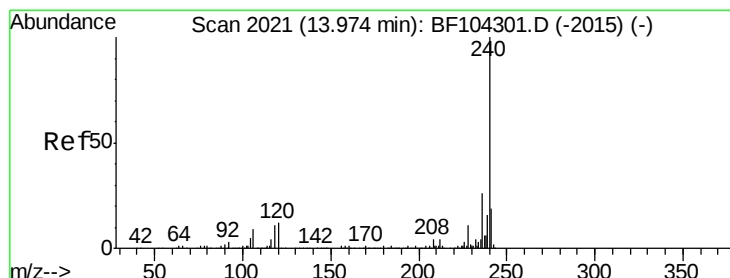
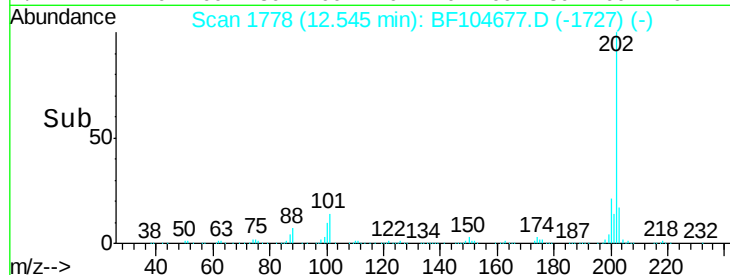
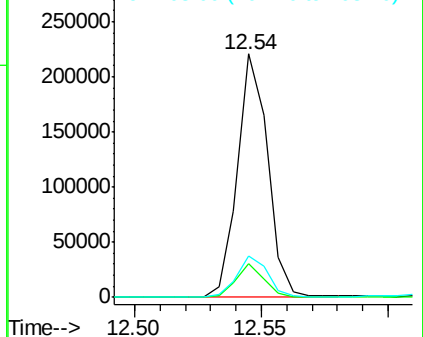
Tot Ion:	202	Resp:	183454
Ion Ratio		Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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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

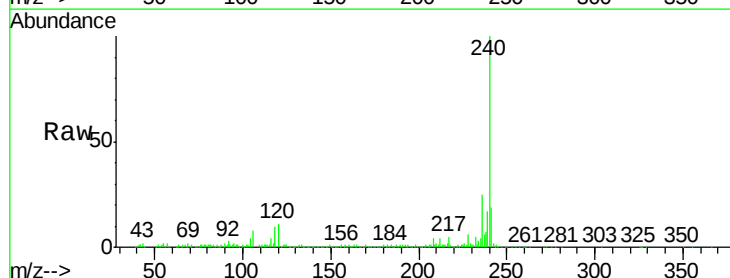
RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

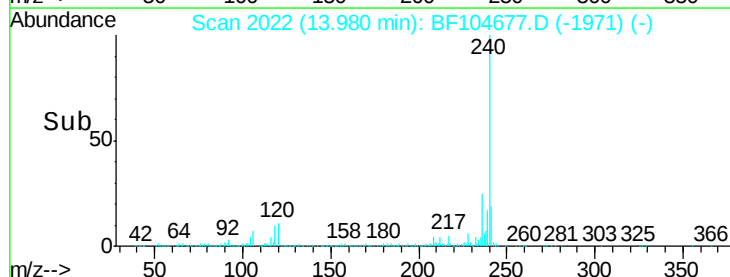
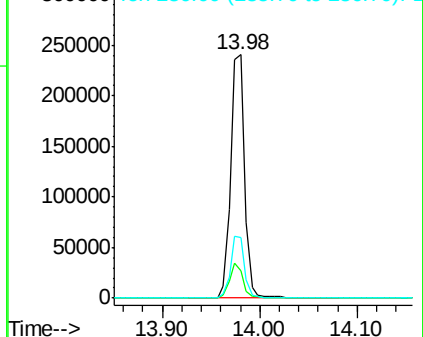
Lab File: BF104677.D

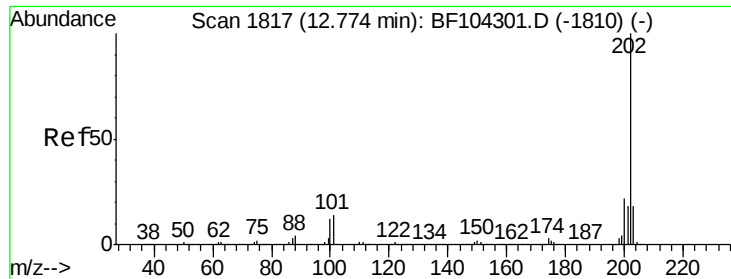
Acq: 20 Apr 2018 16:35

Tgt Ion:	240	Resp:	239747
Ion Ratio		Lower	Upper
240	100		
120	11.3	9.5	14.3
236	25.0	20.7	31.1



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

Pvrene

Concen: 9.756 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

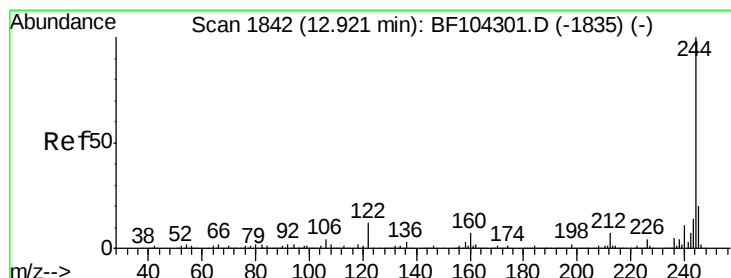
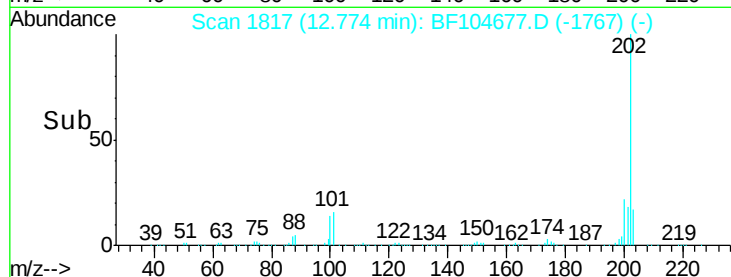
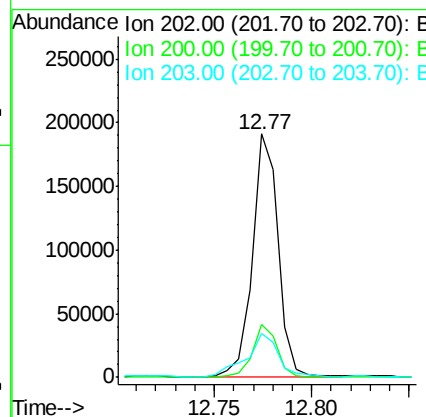
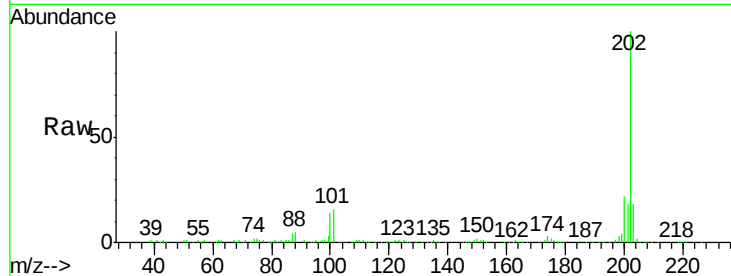
ClientSampleId :

SB-03-01

Tot Ion:	202	Resp:	173381
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 62.515 ng

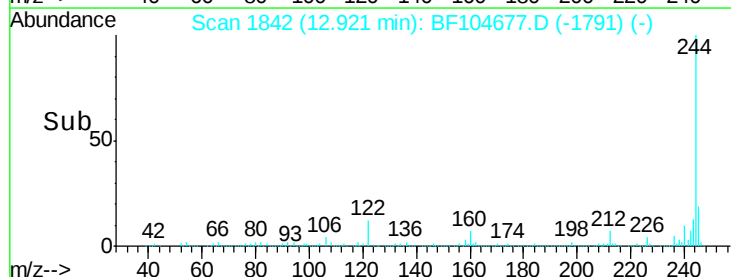
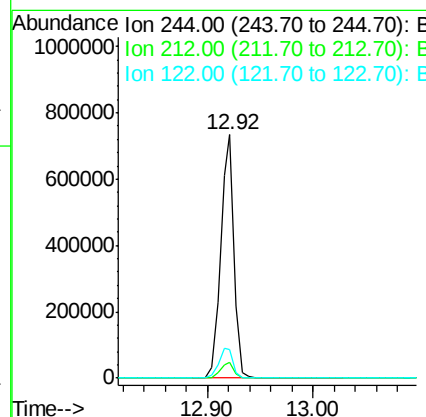
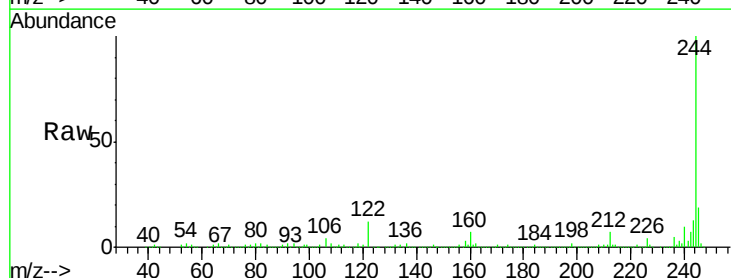
RT: 12.92 min Scan# 1842

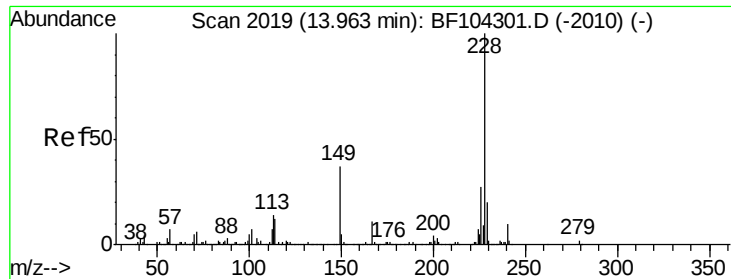
Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Tgt Ion:	244	Resp:	657408
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	11.7	11.0	16.4





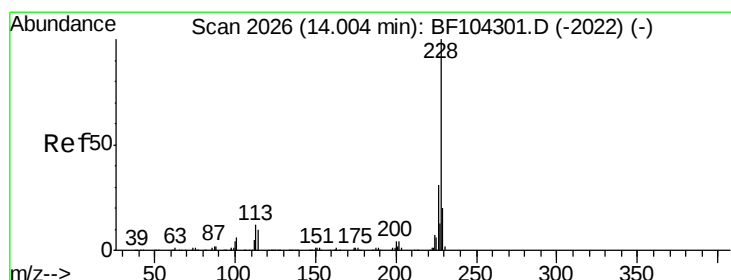
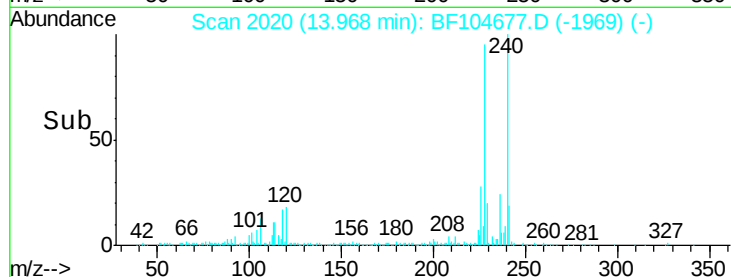
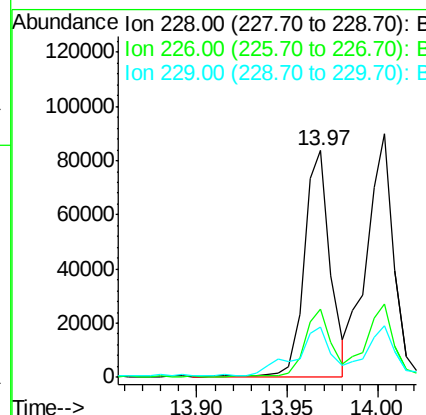
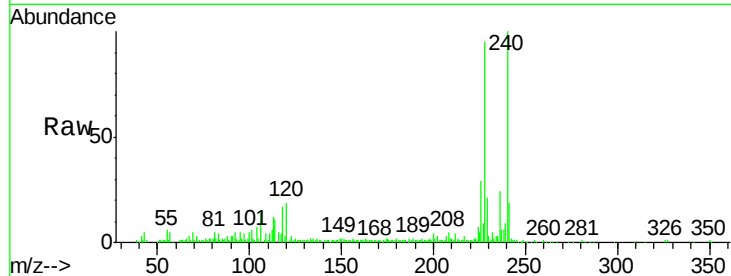
#80
Benzo(a)anthracene
Concen: 5.971 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	22.0	15.8	23.6

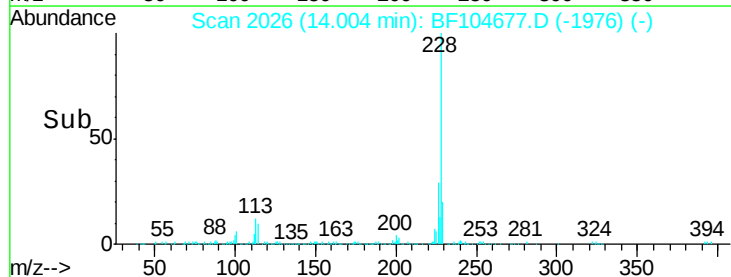
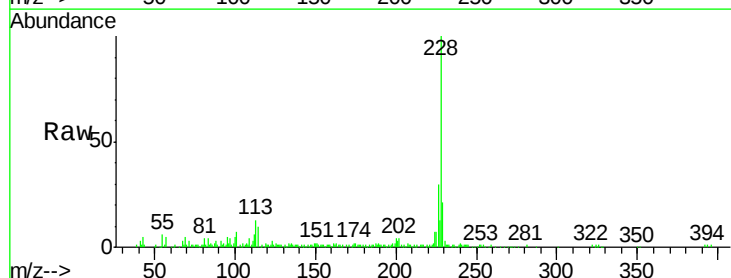
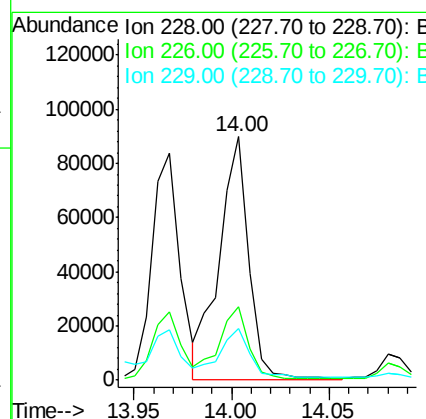
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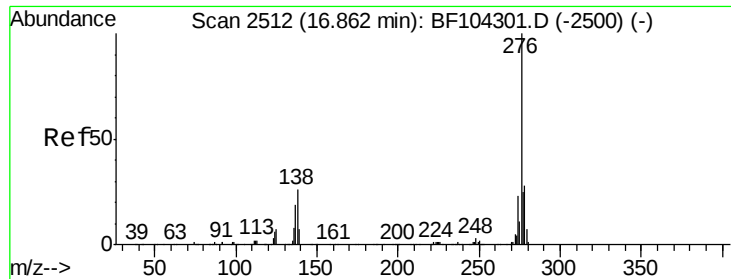
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#82
Chrysene
Concen: 6.434 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.2	16.2	24.4





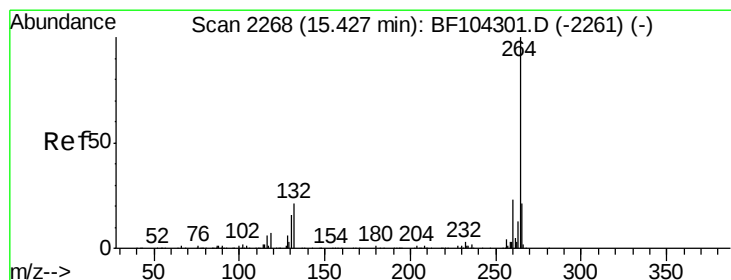
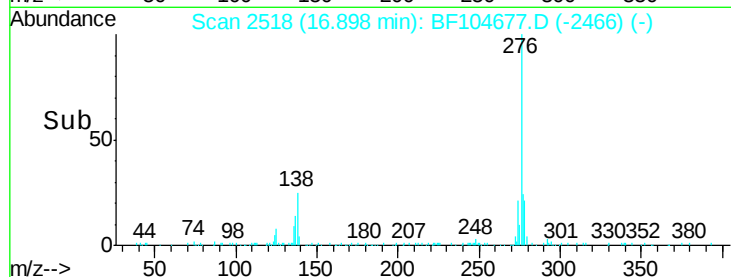
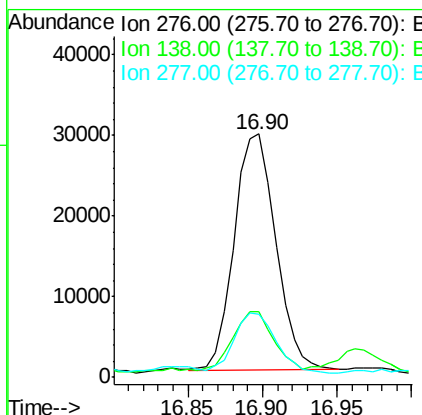
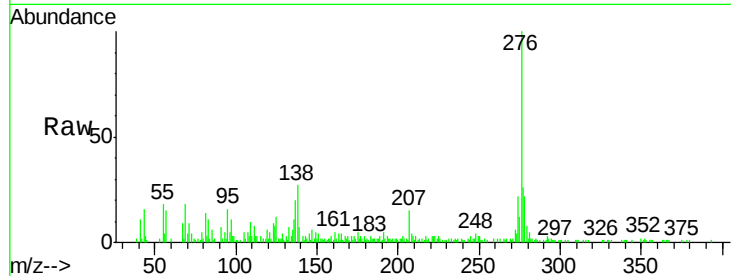
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.567 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.0	37.6
277	25.7	20.1	30.1

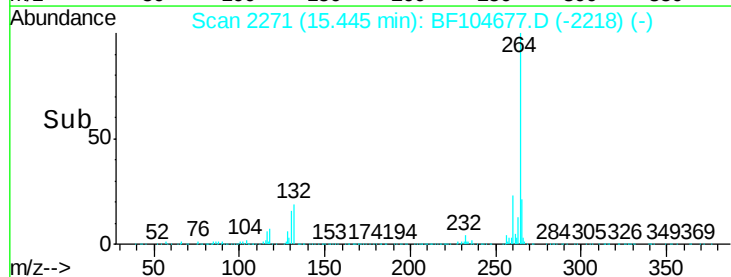
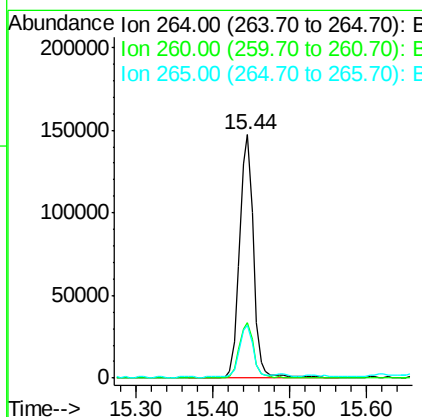
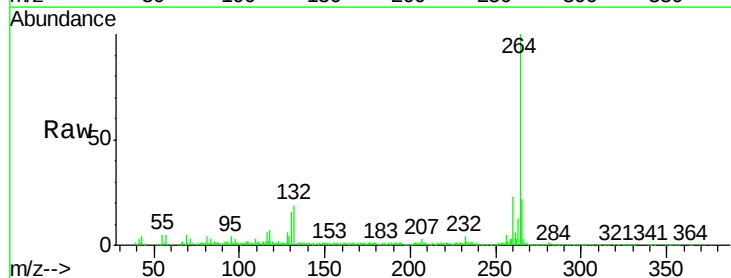
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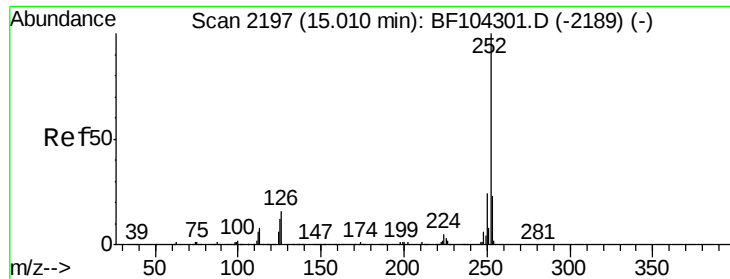
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.8	17.5	26.3





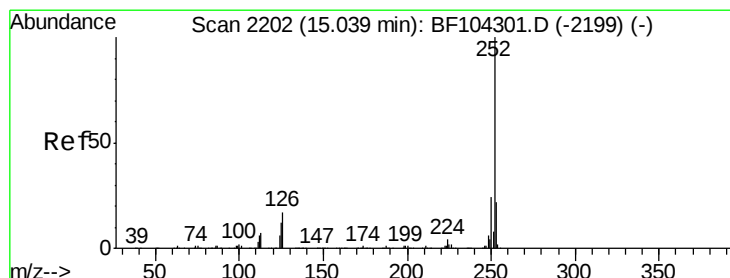
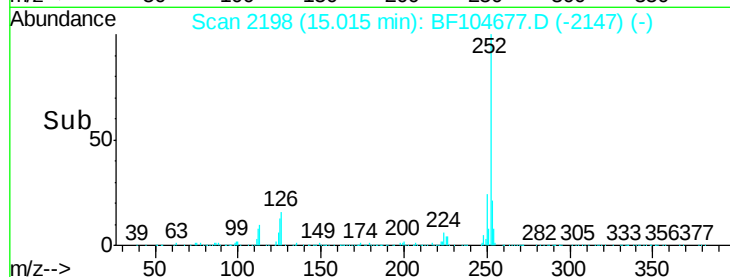
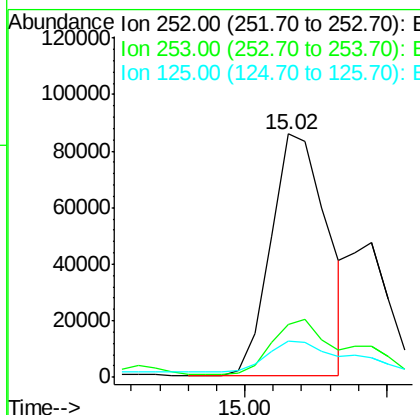
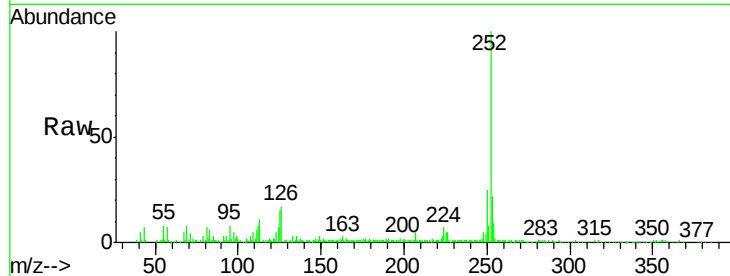
#87
Benzo(b)fluoranthene
Concen: 9.883 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	15.0	9.0	13.6

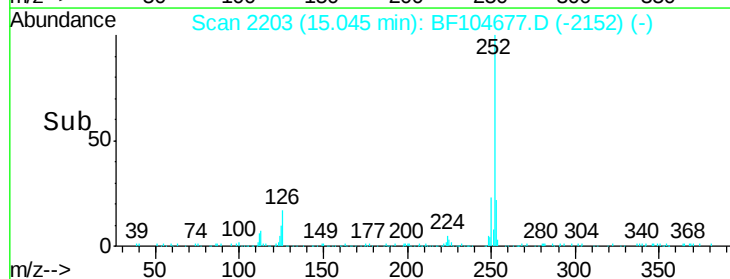
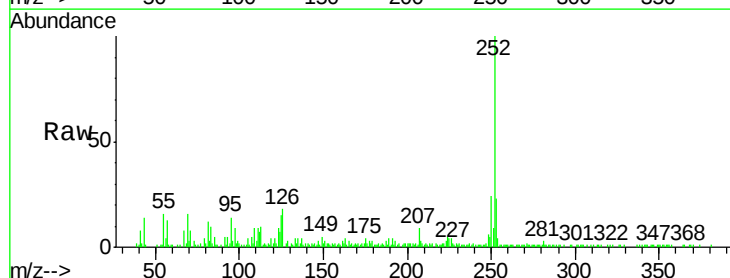
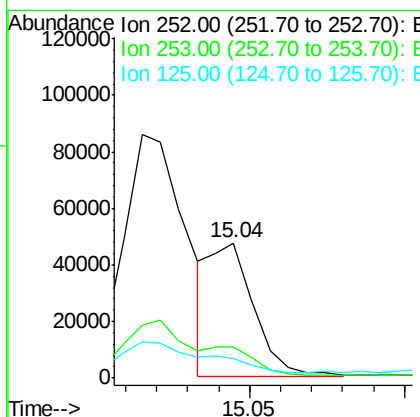
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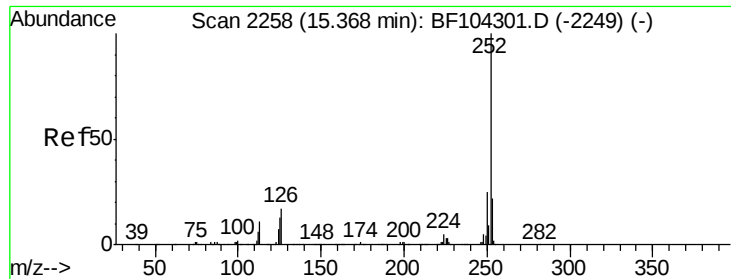
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#88
Benzo(k)fluoranthene
Concen: 4.163 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.9	10.2	15.2





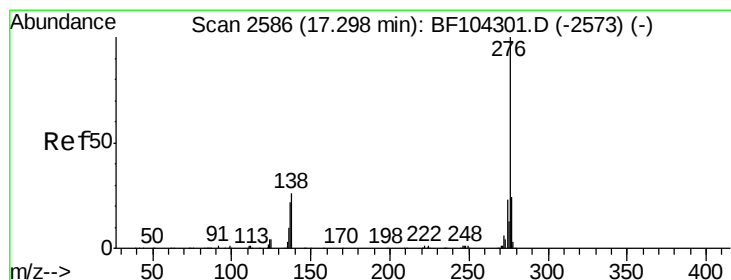
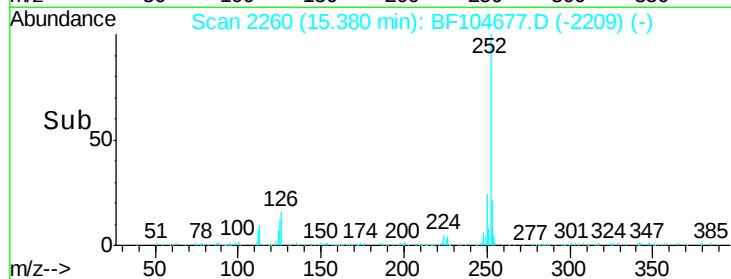
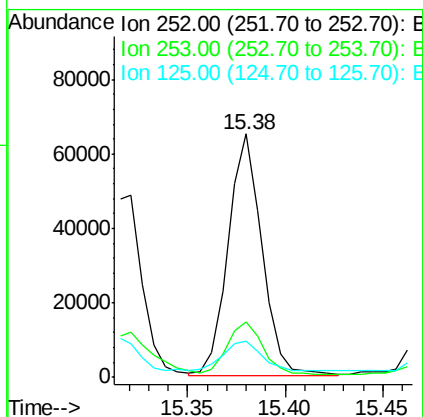
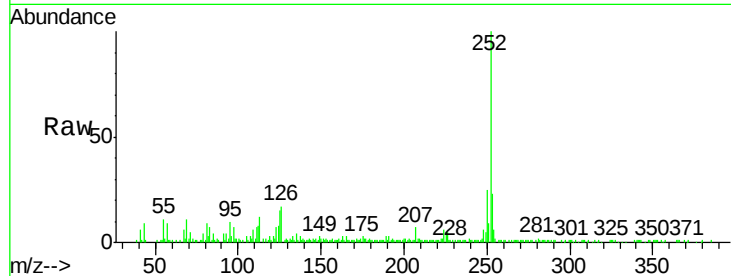
#89
Benzo(a)pyrene
Concen: 7.241 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampled :
SB-03-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.785 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	26.9	21.8	32.8

