

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104109.D
 Acq On : 30 Mar 2018 22:39
 Operator : JU/SJ
 Sample : J1760-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-032918

Manual Integrations
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 4/2/2018 5:05:54 PM

Quant Time: Mar 31 00:22:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	111432	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	449568	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	195859	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	304552	20.00	ng	0.00
75) Chrysene-d12	14.14	240	236382	20.00	ng	0.00
86) Perylene-d12	15.68	264	199281	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	360933	51.65	ng	0.00
7) Phenol-d6	6.59	99	484650	56.38	ng	0.00
23) Nitrobenzene-d5	7.52	82	297862	40.52	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	110436	50.64	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	561545	45.21	ng	0.00
78) Terphenyl-d14	13.07	244	409479	40.00	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.70	163	33844	2.189	ng	99
70) Phenanthrene	11.52	178	75483	4.578	ng	96
74) Fluoranthene	12.71	202	134567	7.678	ng	97
77) Pyrene	12.94	202	110759	6.518	ng	99
80) Benzo(a)anthracene	14.13	228	65510	4.429	ng	96
82) Chrysene	14.17	228	52044	3.592	ng	99
87) Benzo(b)fluoranthene	15.22	252	58989m	4.864	ng	
88) Benzo(k)fluoranthene	15.24	252	31536m	2.760	ng	
89) Benzo(a)pyrene	15.62	252	44081	3.922	ng	# 85
91) Benzo(q,h,i)perylene	17.74	276	21611	2.076	ng	# 92

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

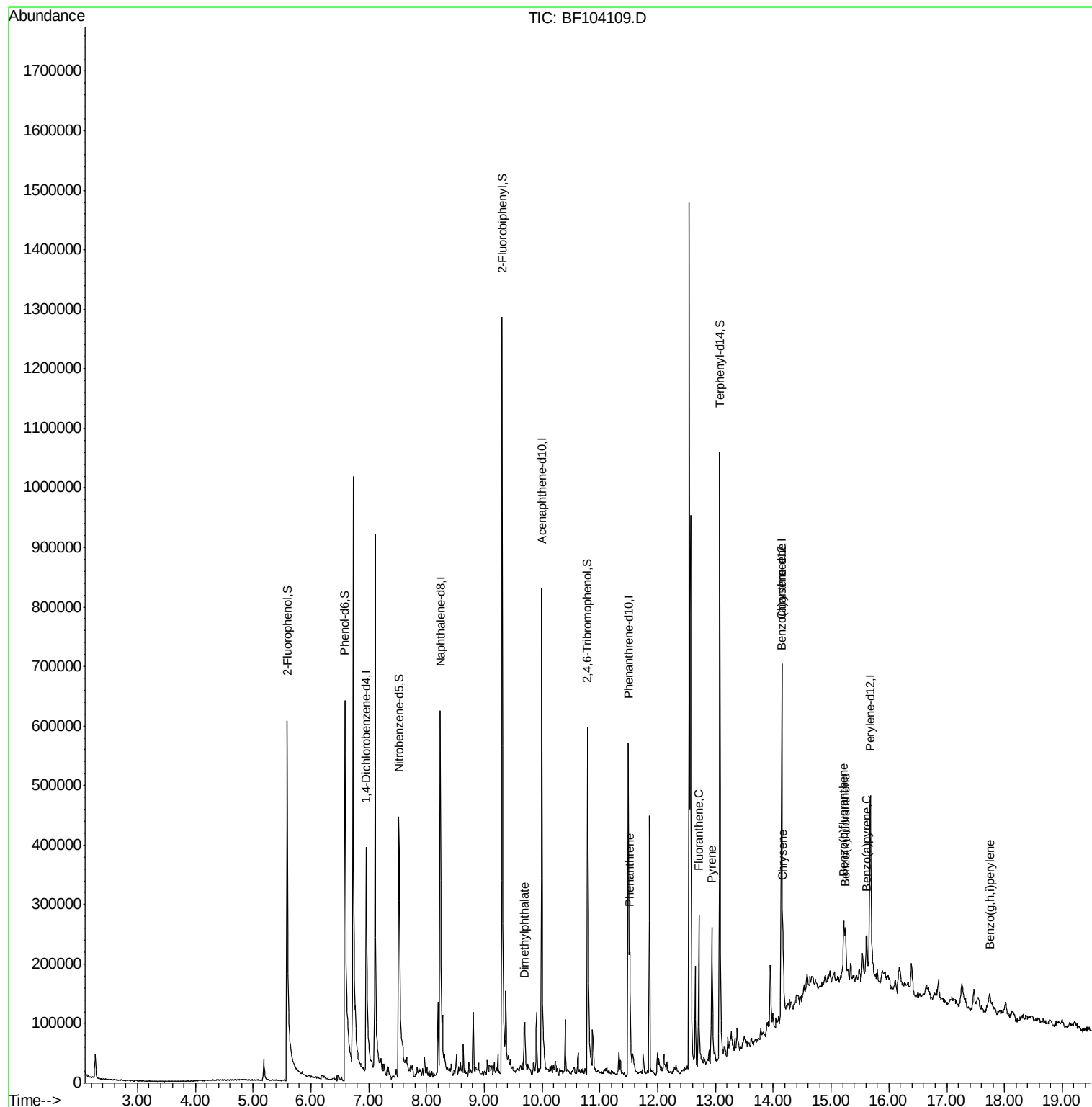
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104109.D
Acq On : 30 Mar 2018 22:39
Operator : JU/SJ
Sample : J1760-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

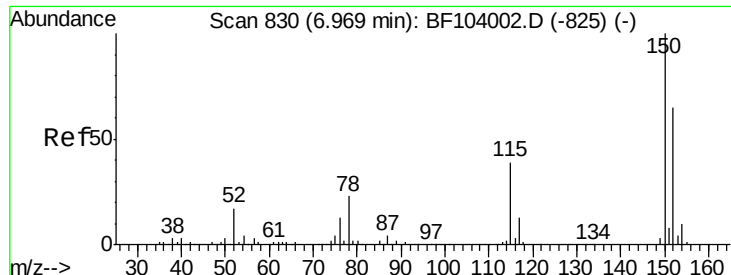
Instrument :
BNA_F
ClientSampleId :
SU-03-032918

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
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#1

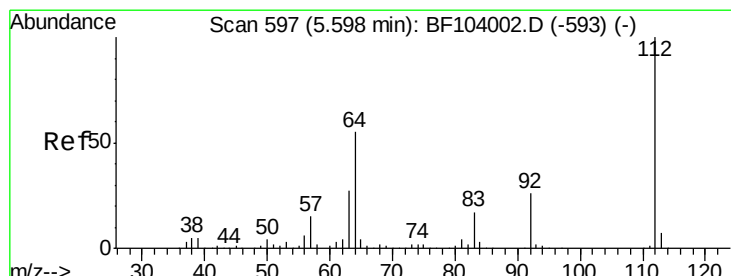
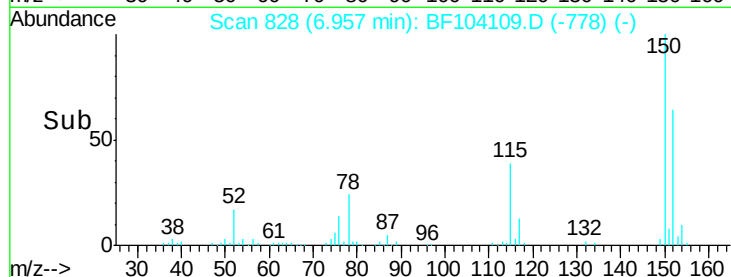
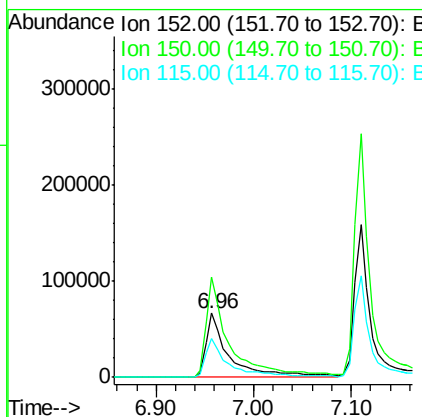
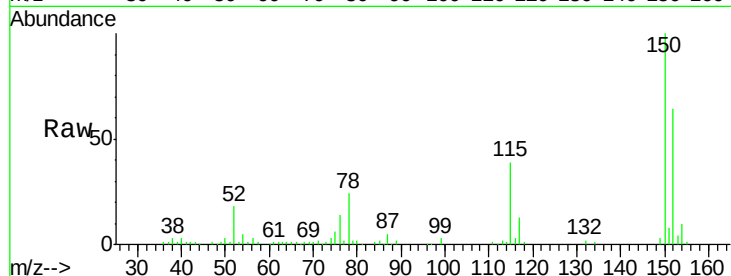
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :
SU-03-032918

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.3	50.1	75.1

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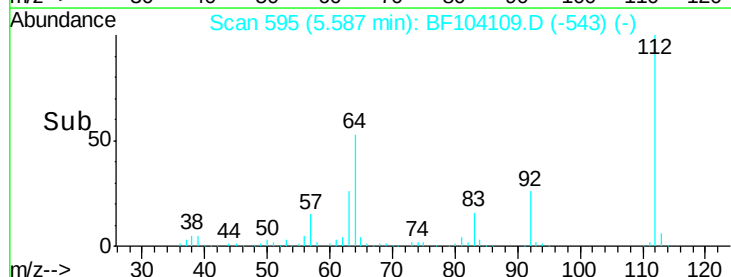
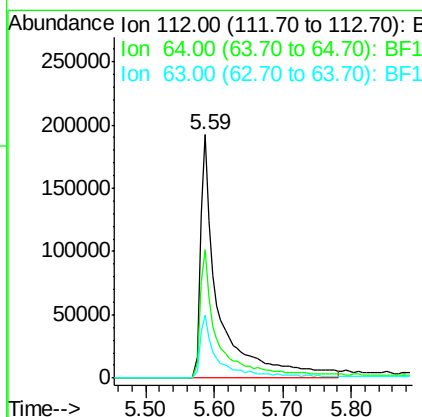
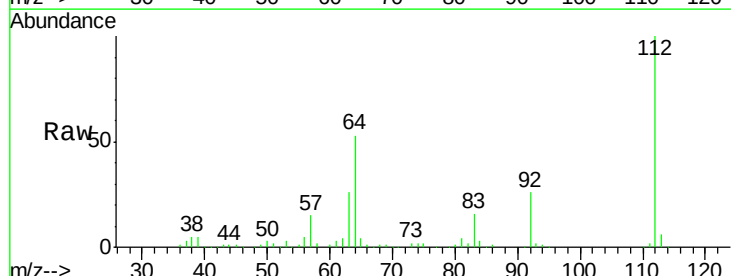
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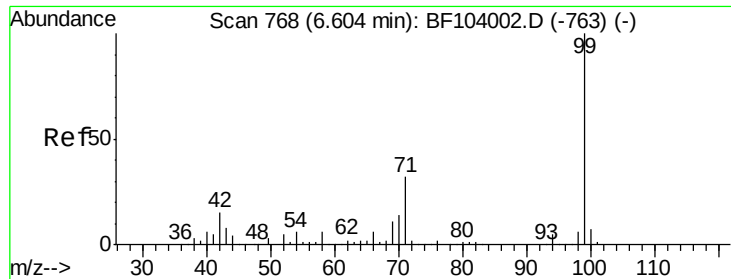


#5

2-Fluorophenol
Concen: 51.655 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	47.9	71.9
63	26.0	23.7	35.5





#7

Phenol-d6

Concen: 56.377 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

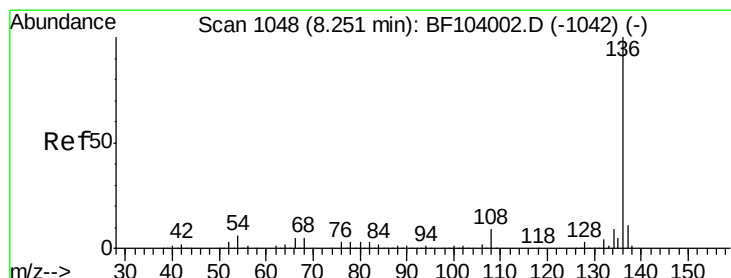
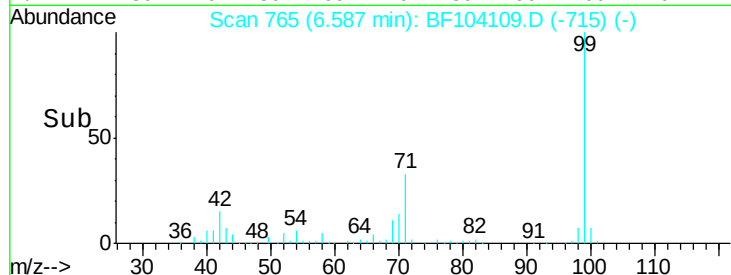
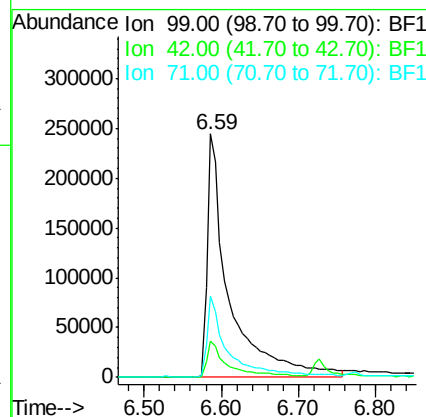
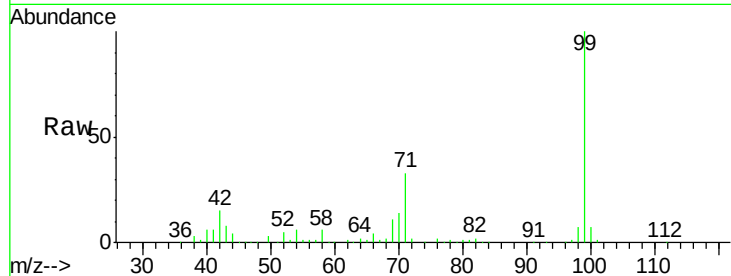
ClientSampleId :

SU-03-032918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		484650		
42	15.1	14.5	21.7		
71	33.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

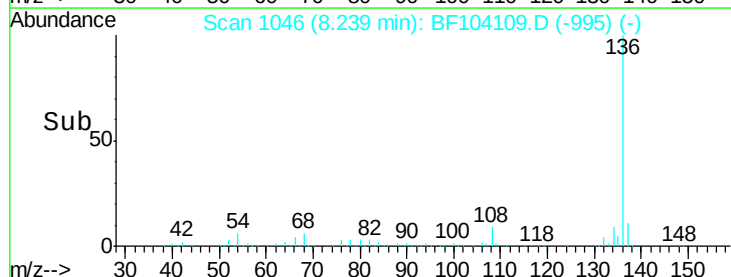
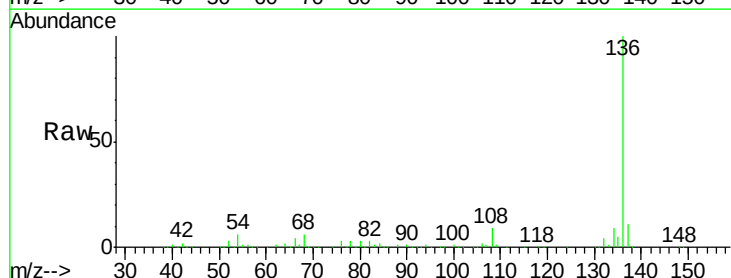
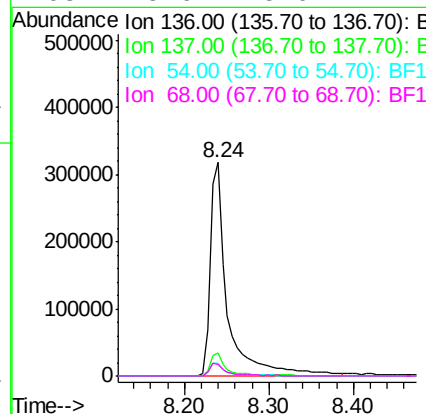
RT: 8.24 min Scan# 1046

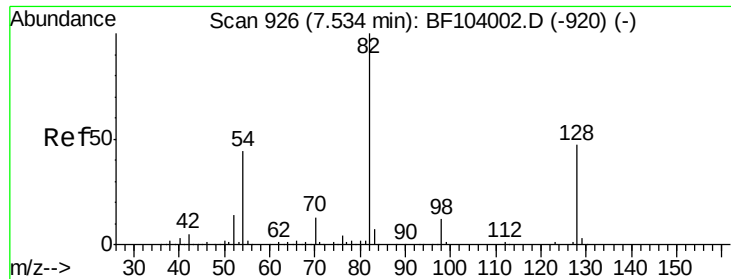
Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		449568		
137	10.7	8.9	13.3		
54	5.9	6.6	9.8		
68	5.6	5.0	7.4		





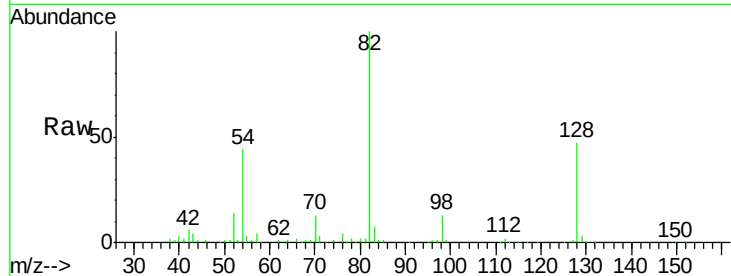
#23
Nitrobenzene-d5
Concen: 40.519 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :
SU-03-032918

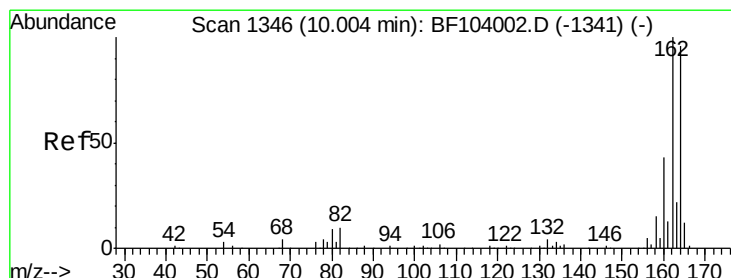
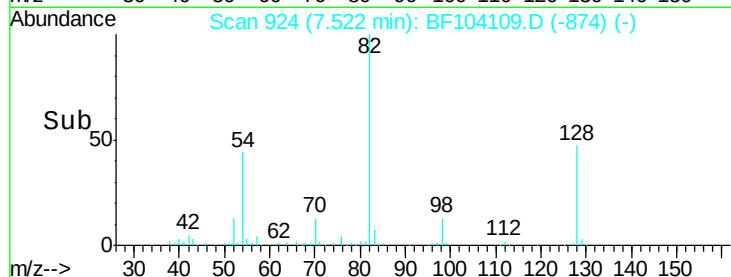
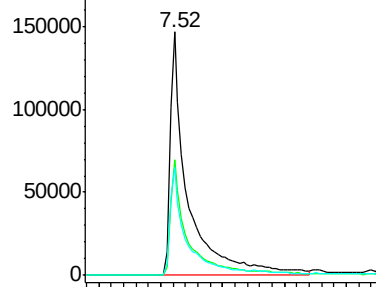
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.1	54.1
54	44.1	41.4	62.2

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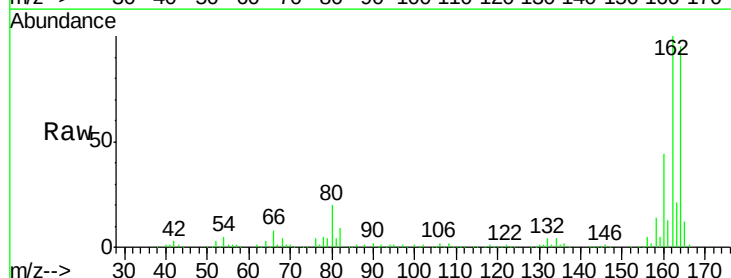


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

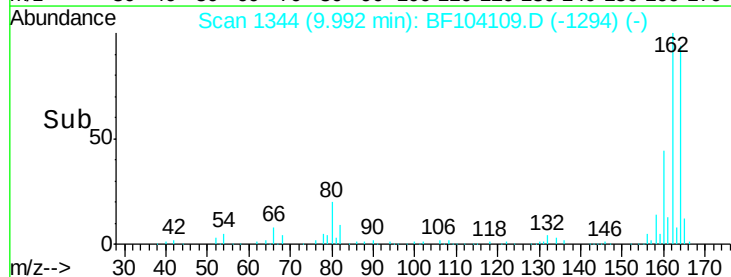
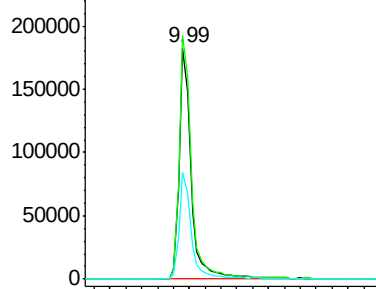


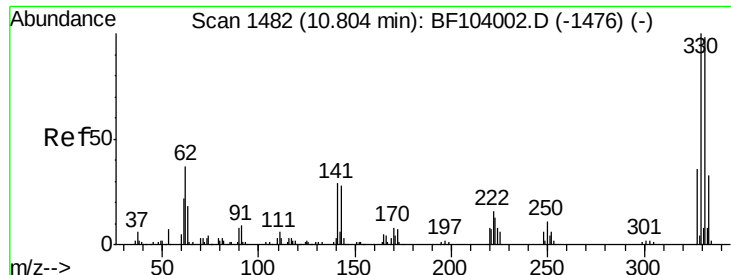
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	46.0	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





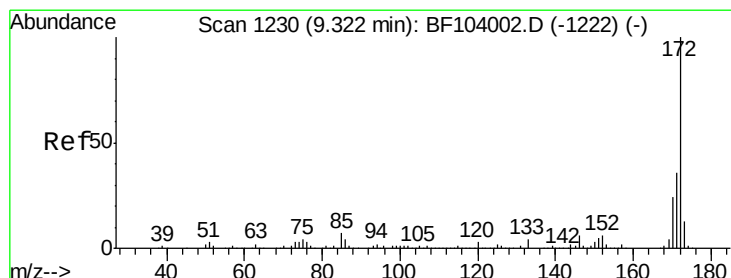
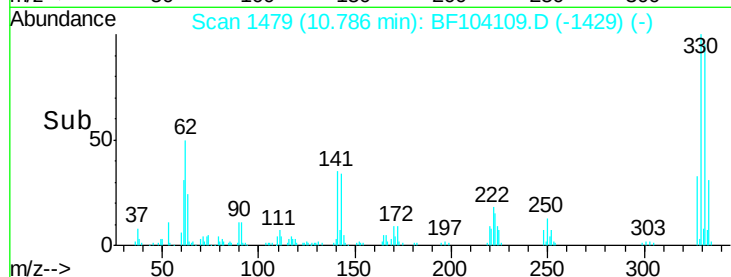
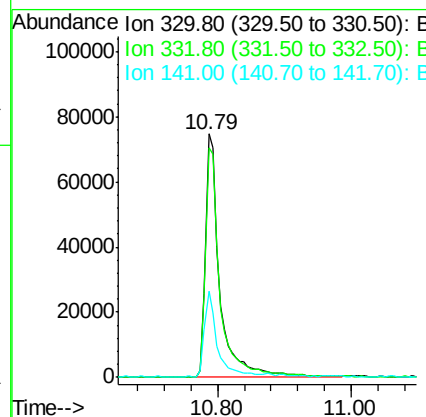
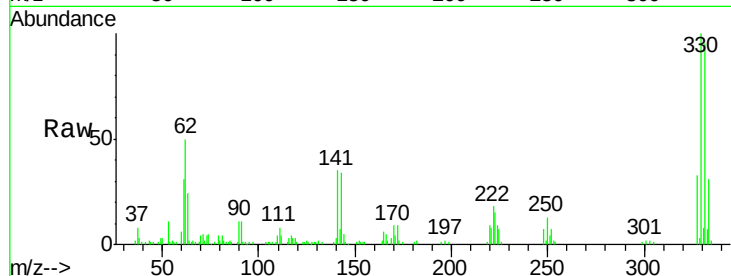
#41
 2,4,6-Tribromophenol
 Concen: 50.638 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Instrument :
 BNA_F
 ClientSampled :
 SU-03-032918

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	31.7	29.9	44.9

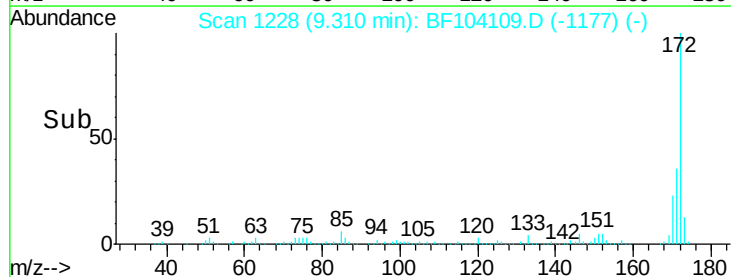
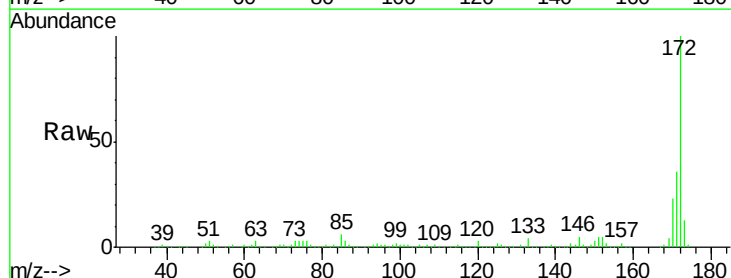
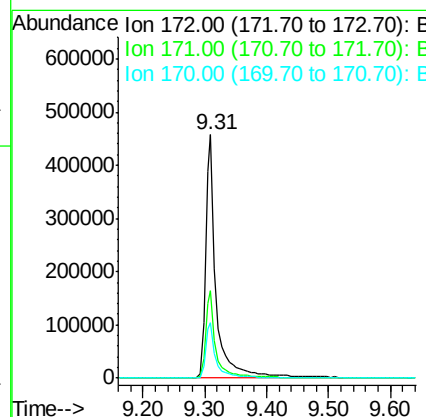
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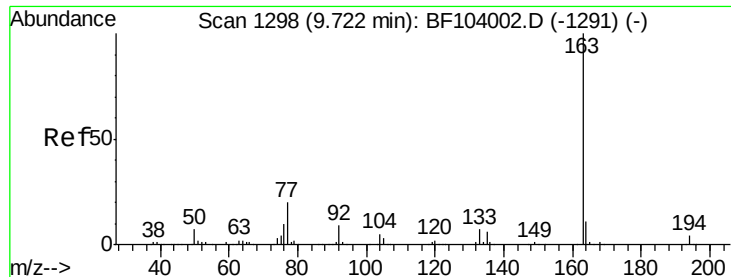
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#44
 2-Fluorobiphenyl
 Concen: 45.212 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	22.8	19.6	29.4





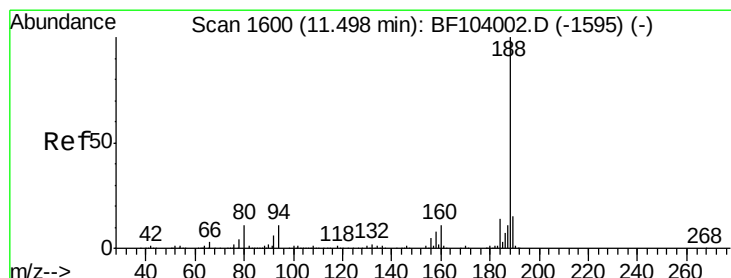
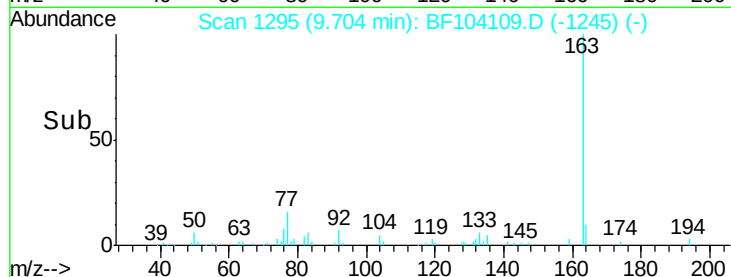
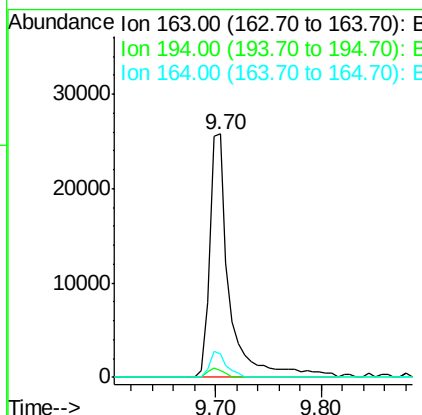
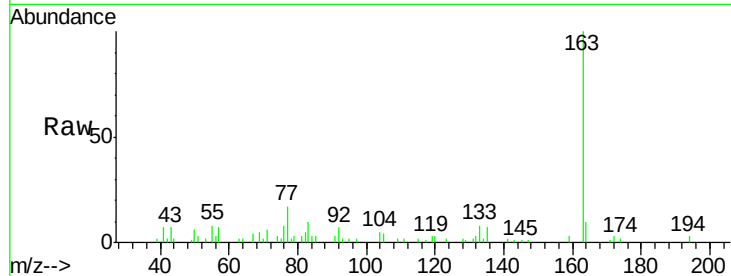
#49
 Dimethylphthalate
 Concen: 2.189 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-032918

Tot Ion:	163	Resp:	33844
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.7	4.1
164	9.9	8.2	12.2

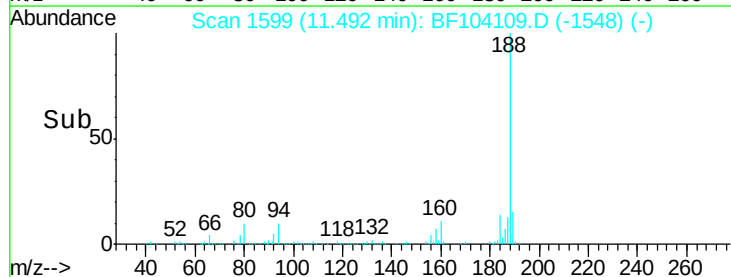
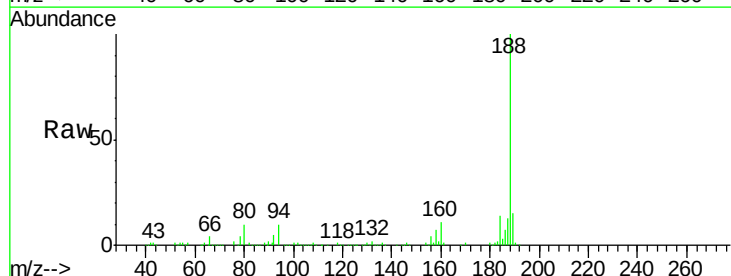
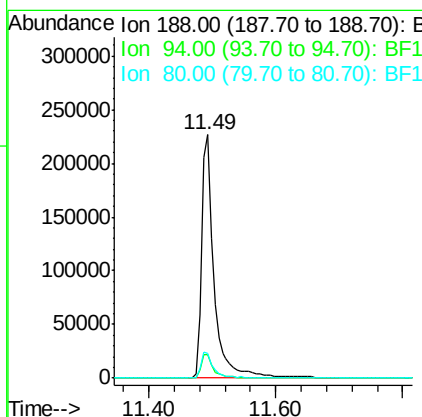
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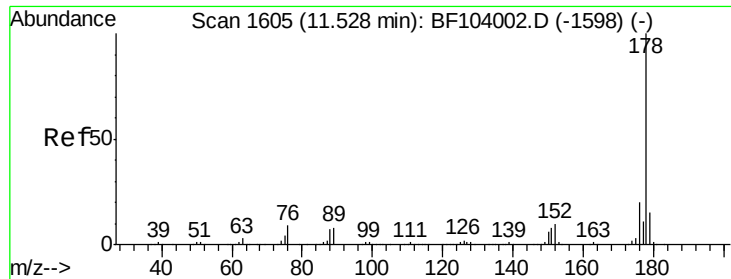
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion:	188	Resp:	304552
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	10.1	9.2	13.8





#70

Phenanthrene

Concen: 4.578 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

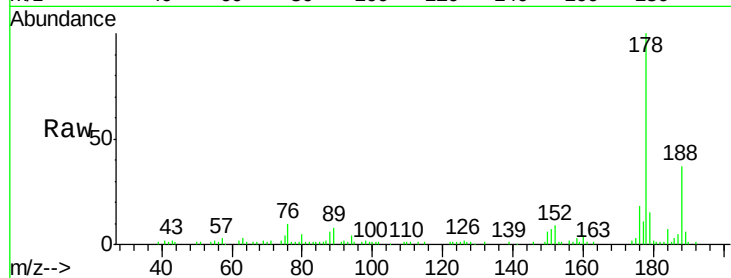
ClientSampleId :

SU-03-032918

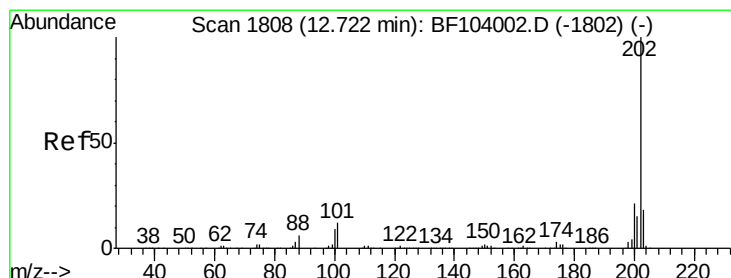
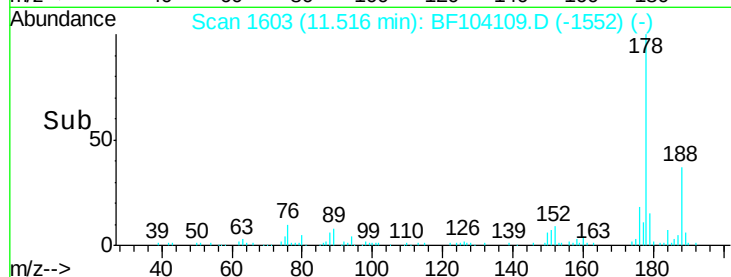
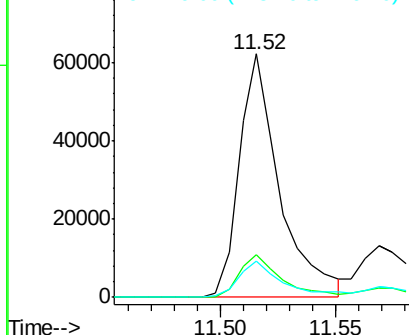
Tot Ion:	178	Resp:	75483
Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	14.9	13.0	19.6

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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: 7.678 ng

RT: 12.71 min Scan# 1806

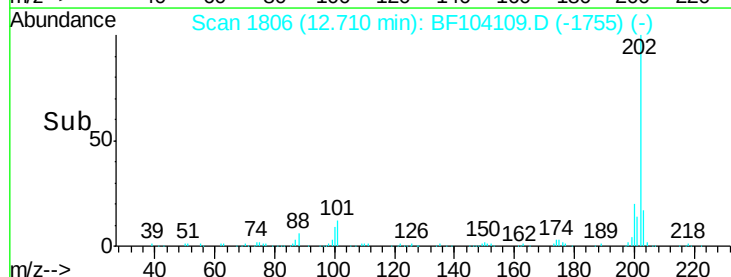
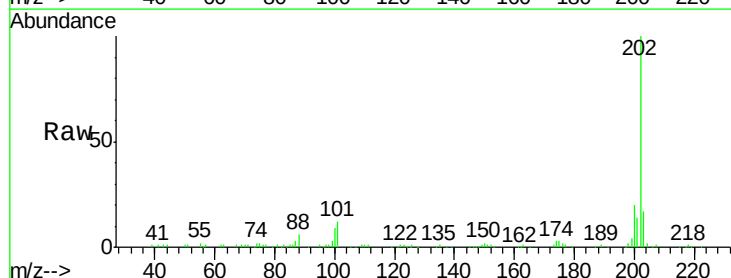
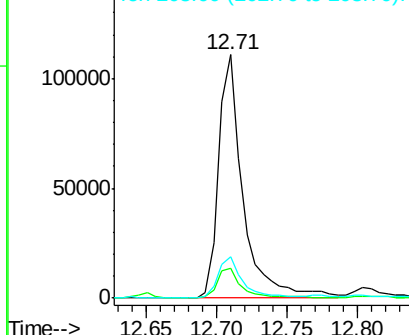
Delta R.T. 0.00 min

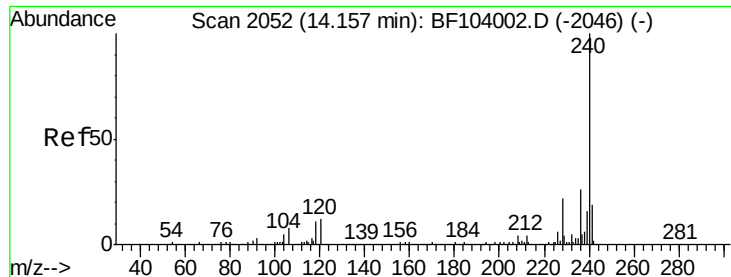
Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Tgt Ion:	202	Resp:	134567
Ion	Ratio	Lower	Upper
202	100		
101	12.1	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: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

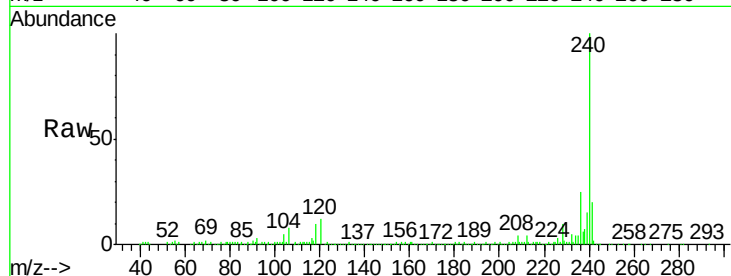
ClientSampleId :

SU-03-032918

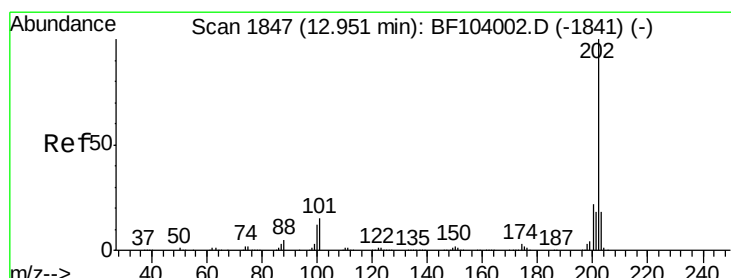
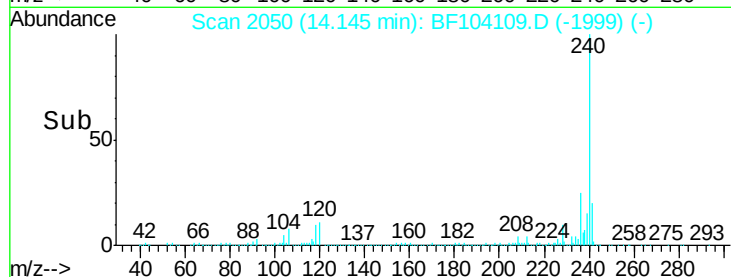
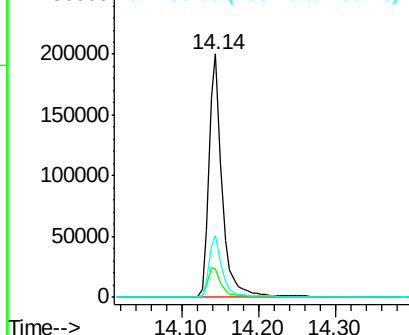
Tot Ion:	240	Resp:	236382
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	25.4	20.7	31.1

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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: 6.518 ng

RT: 12.94 min Scan# 1845

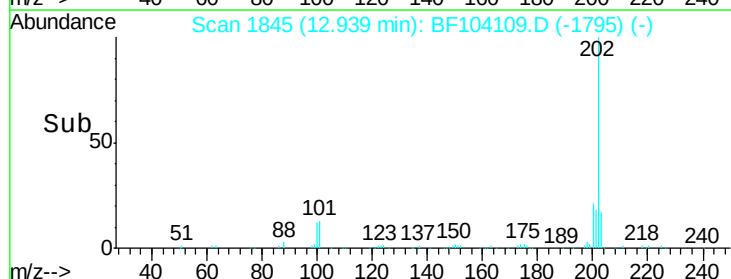
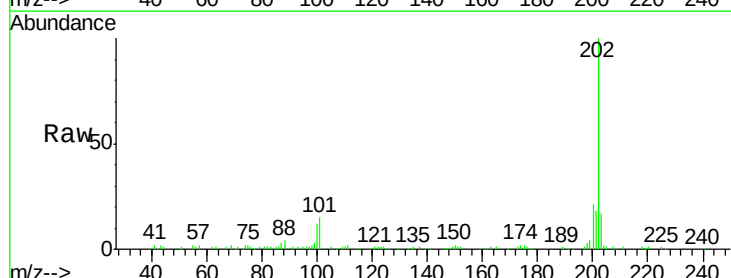
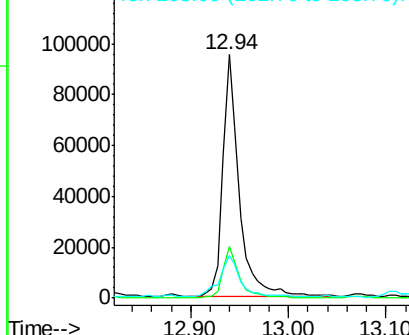
Delta R.T. -0.01 min

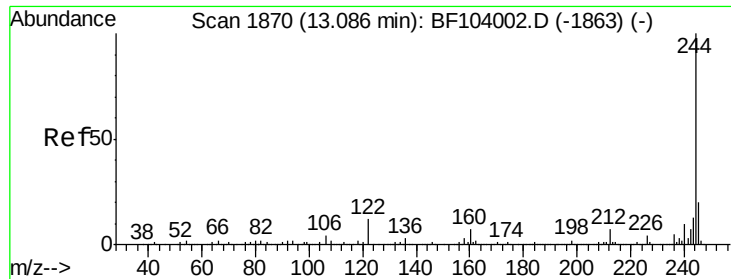
Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Tgt Ion:	202	Resp:	110759
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





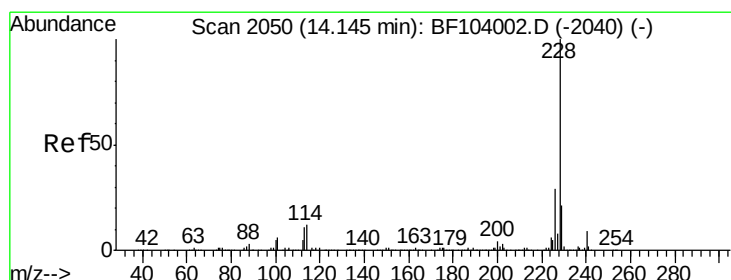
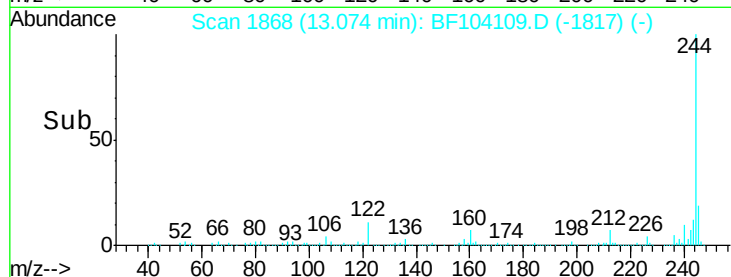
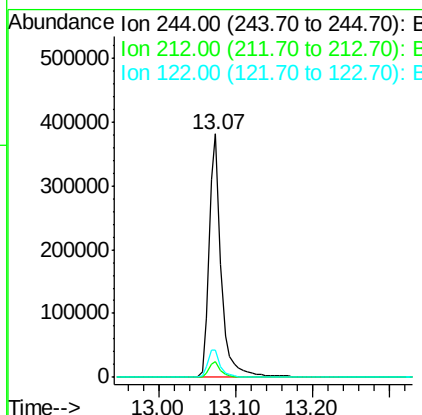
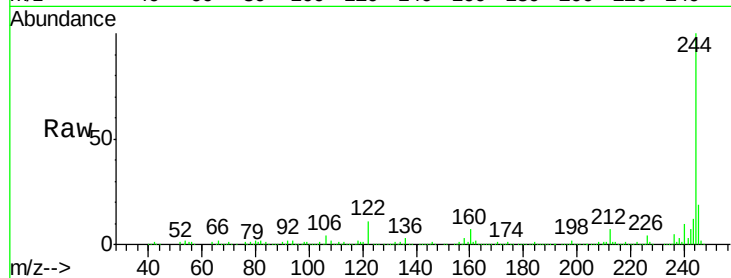
#78
 Terphenyl-d14
 Concen: 39.997 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-032918

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.2	11.0	16.4

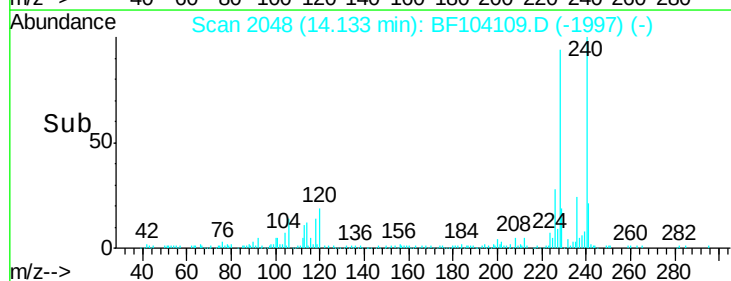
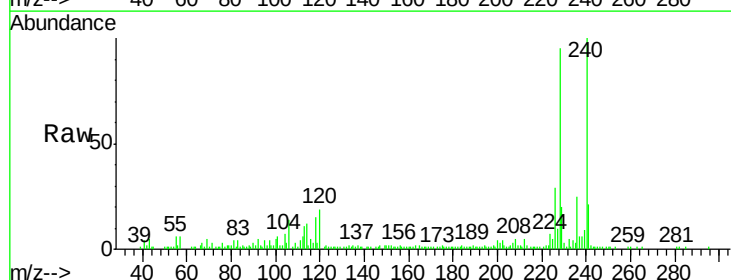
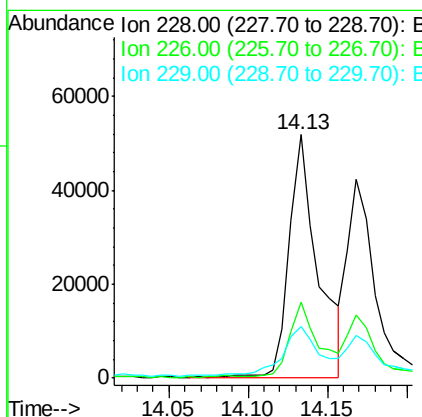
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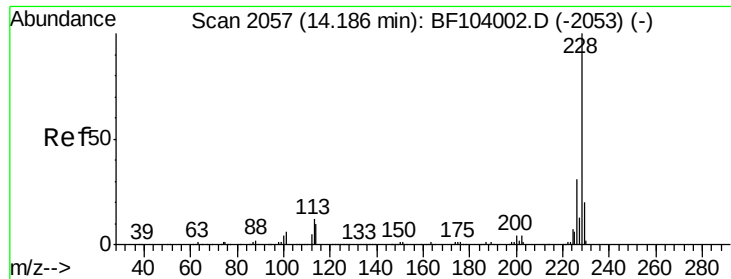
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#80
 Benzo(a)anthracene
 Concen: 4.429 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	21.1	15.8	23.6





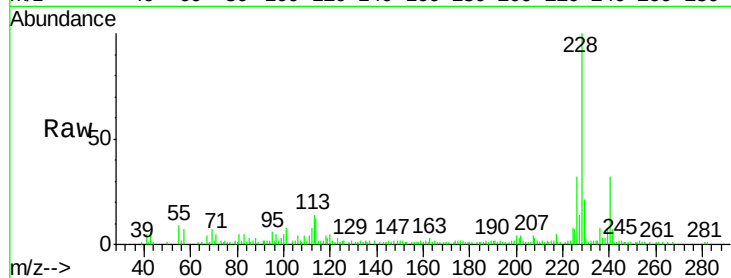
#82
 Chrysene
 Concen: 3.592 ng
 RT: 14.17 min Scan# 2054
 Delta R.T. -0.01 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-032918

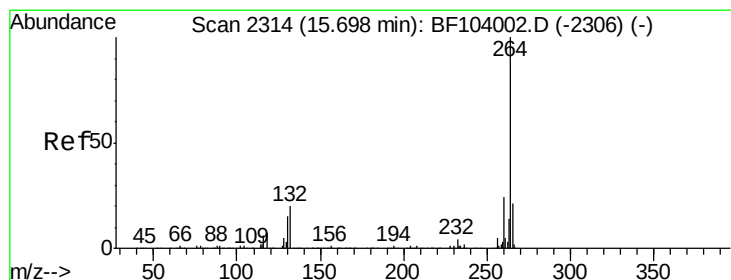
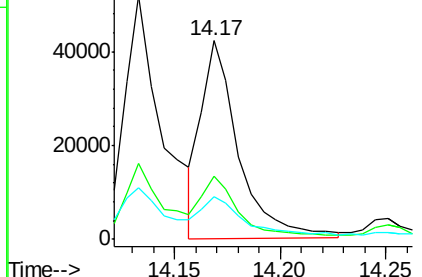
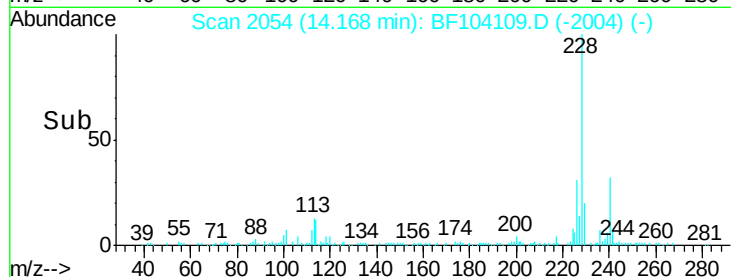
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	21.4	16.2	24.4

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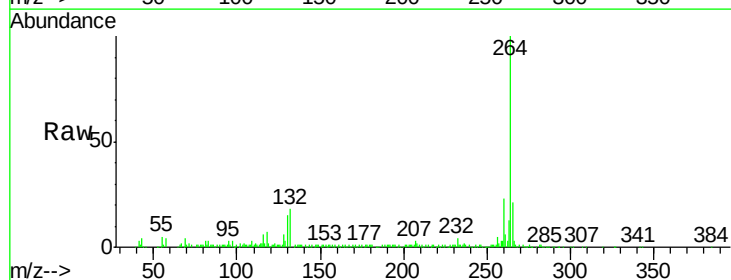


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

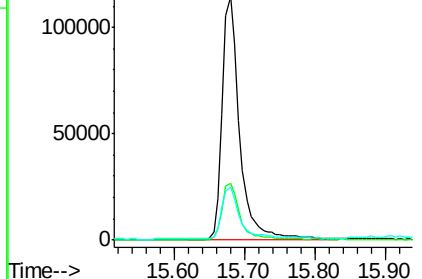
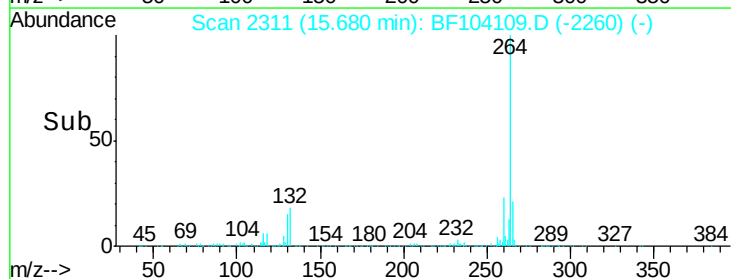


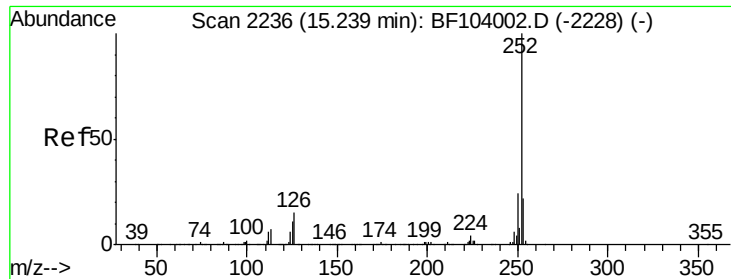
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.864 ng m

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

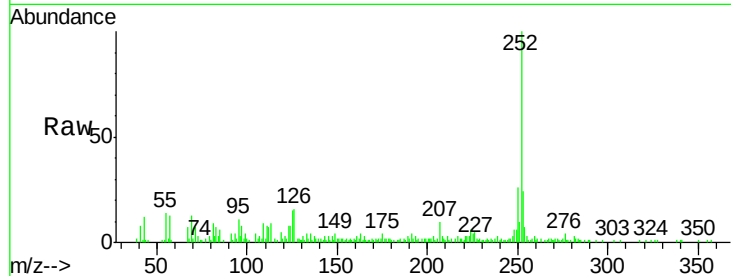
ClientSampleId :

SU-03-032918

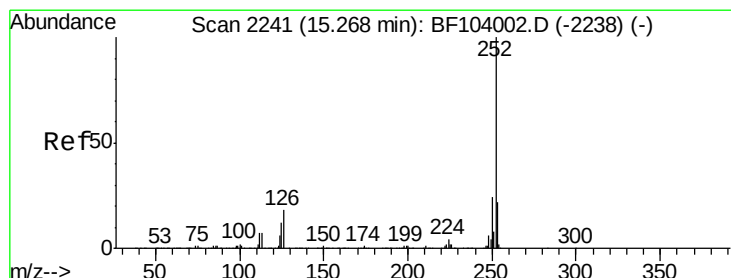
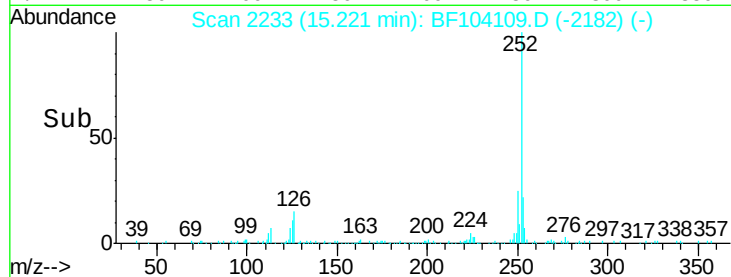
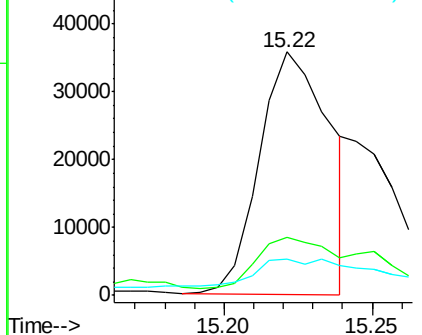
Tot Ion:	252	Resp:	58989
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	14.9	9.0	13.6#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.760 ng m

RT: 15.24 min Scan# 2236

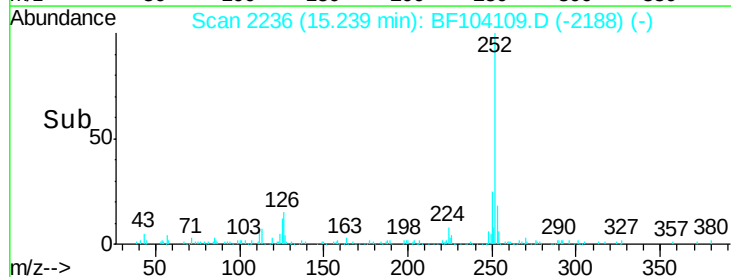
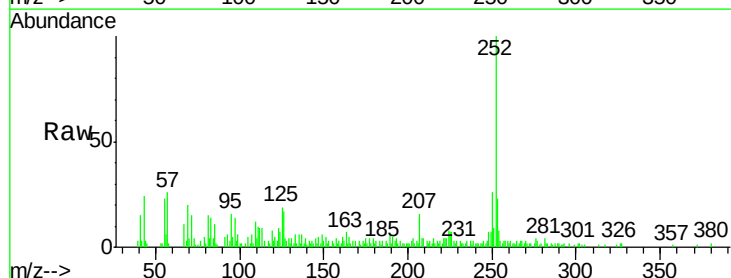
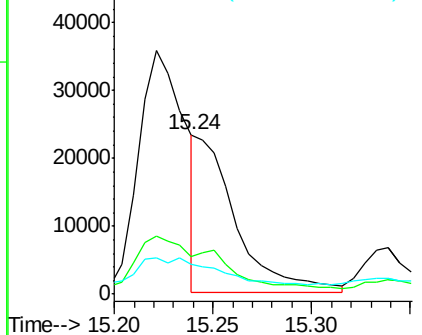
Delta R.T. -0.02 min

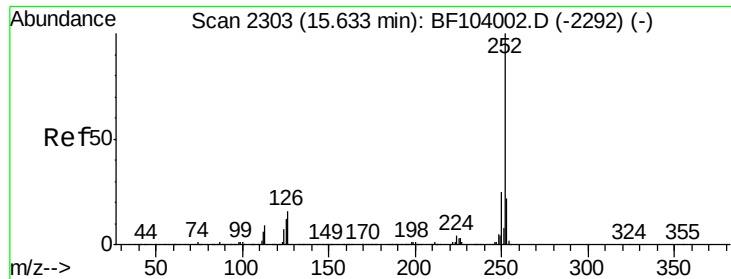
Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Tgt Ion:	252	Resp:	31536
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	18.7	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





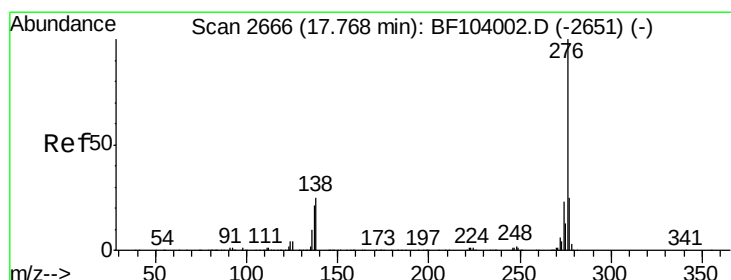
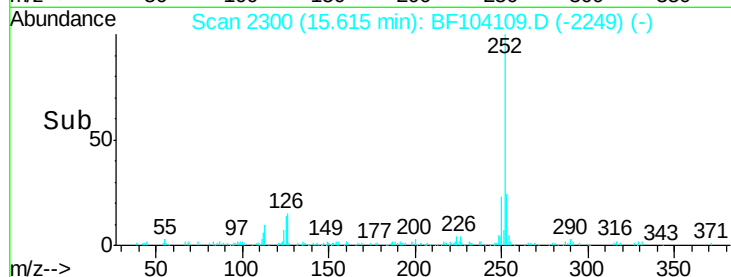
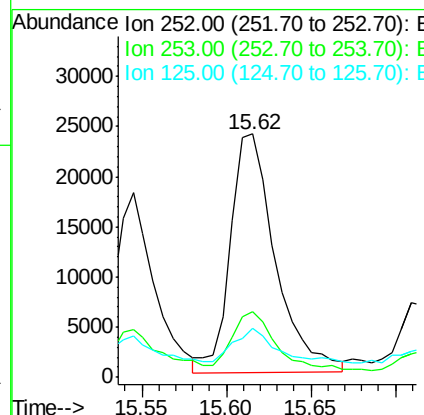
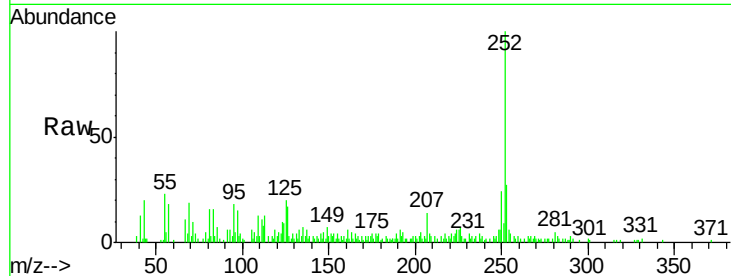
#89
Benzo(a)pyrene
Concen: 3.922 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :
SU-03-032918

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.1	25.7#
125	19.9	9.8	14.6#

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#91
Benzo(g,h,i)perylene
Concen: 2.076 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	17.9	26.9#
138	28.4	21.8	32.8

