

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104053.D
 Acq On : 29 Mar 2018 16:15
 Operator : JU/SJ
 Sample : J1754-11 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032718-A

Manual Integrations
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 3/30/2018 6:00:51 PM

Quant Time: Mar 30 09:27:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	116314	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	481351	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	210858	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	318122	20.00	ng	0.00
75) Chrysene-d12	14.16	240	241715	20.00	ng	0.00
86) Perylene-d12	15.70	264	208075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	120306m	16.49	ng	0.00
7) Phenol-d6	6.60	99	185736m	20.70	ng	0.00
23) Nitrobenzene-d5	7.53	82	107521m	13.66	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	43550	18.55	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	243138	18.18	ng	0.00
78) Terphenyl-d14	13.09	244	174778	16.70	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	52804	3.066	ng	99
71) Anthracene	11.58	178	41338m	2.298	ng	
74) Fluoranthene	12.72	202	93806	5.124	ng	98
77) Pyrene	12.96	202	133071	7.658	ng	99
80) Benzo(a)anthracene	14.14	228	71272	4.712	ng	# 91
82) Chrysene	14.19	228	64727	4.369	ng	# 96
87) Benzo(b)fluoranthene	15.24	252	53517m	4.226	ng	
88) Benzo(k)fluoranthene	15.27	252	24983m	2.094	ng	
89) Benzo(a)pyrene	15.64	252	49668	4.232	ng	# 90
91) Benzo(g,h,i)perylene	17.78	276	29418	2.707	ng	# 92

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

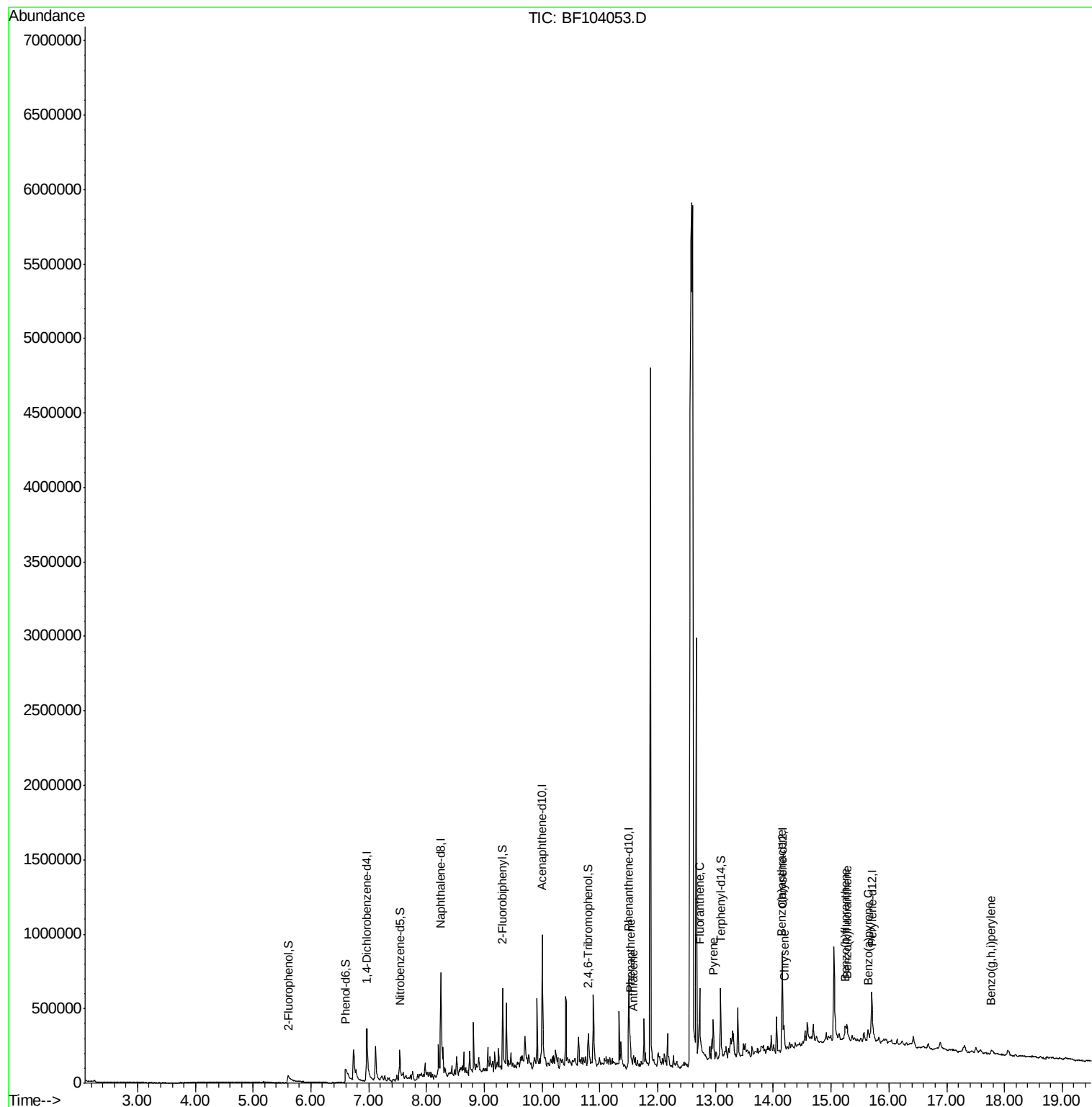
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
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Operator : JU/SJ
Sample : J1754-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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#1

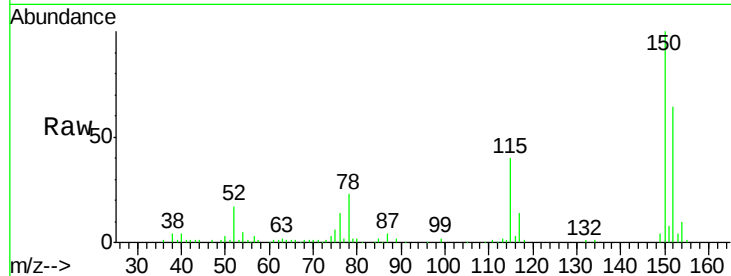
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampleId :
CL-02-032718-A

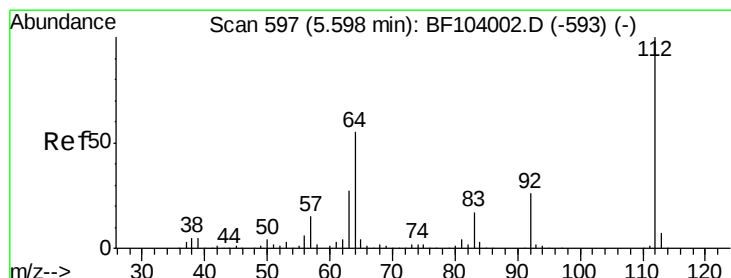
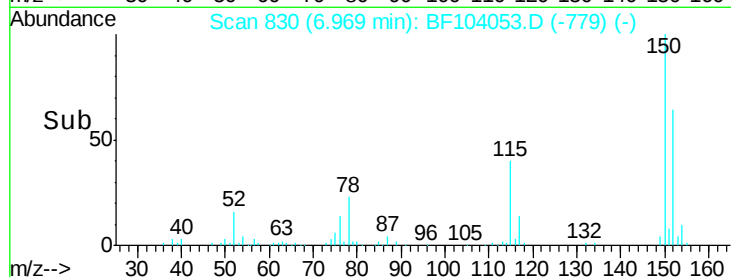
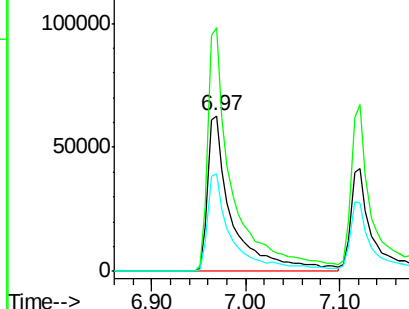
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	62.9	50.1	75.1

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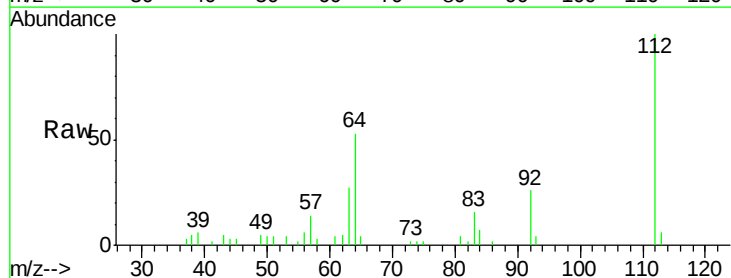
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



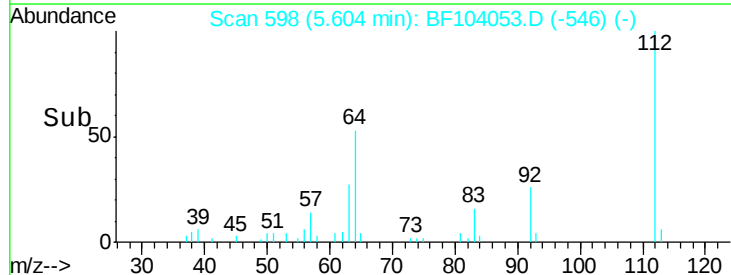
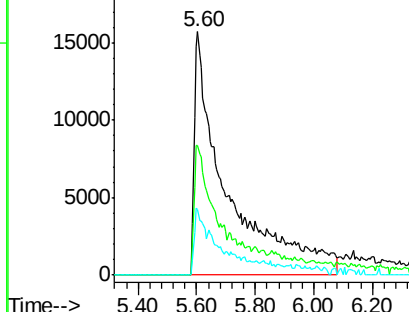
#5

2-Fluorophenol
Concen: 16.495 ng m
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	27.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.699 ng/mL

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

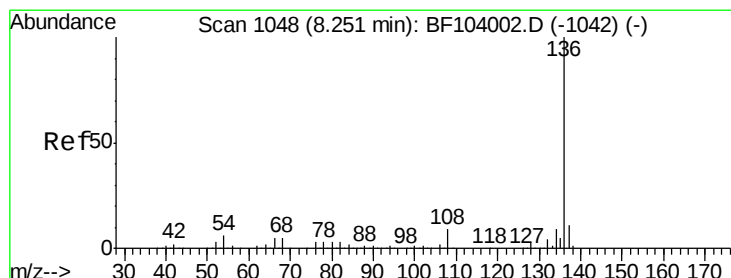
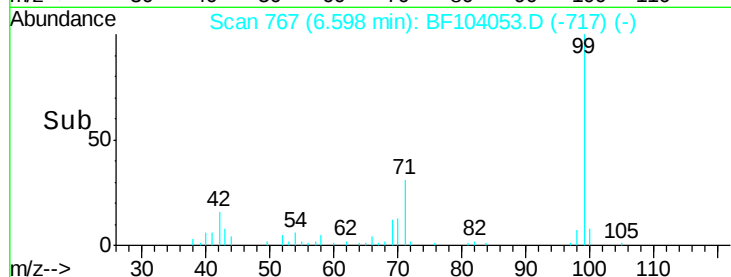
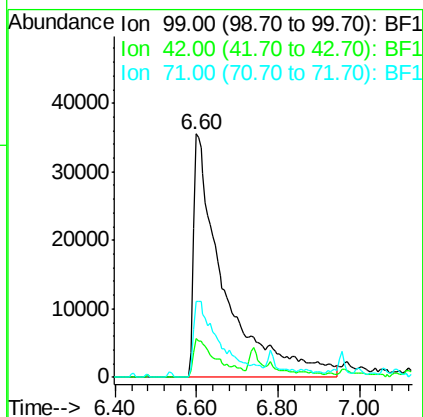
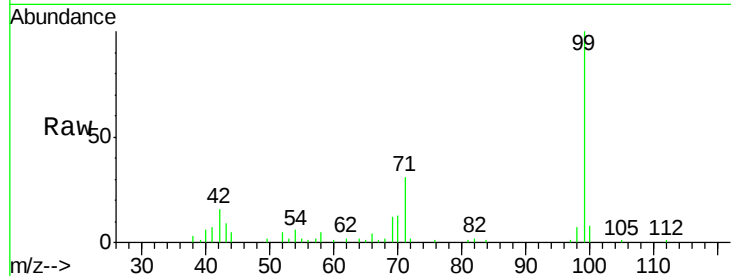
ClientSampleId :

CL-02-032718-A

Tot Ion:	99	Resp:	185736
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	30.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng/mL

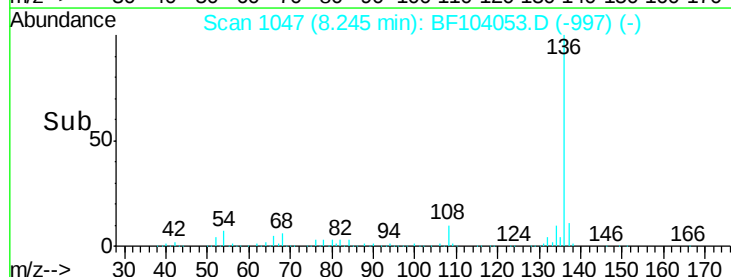
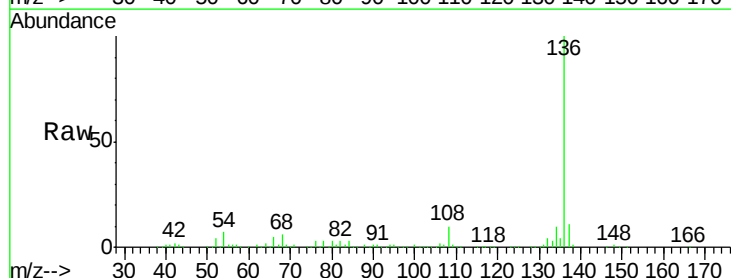
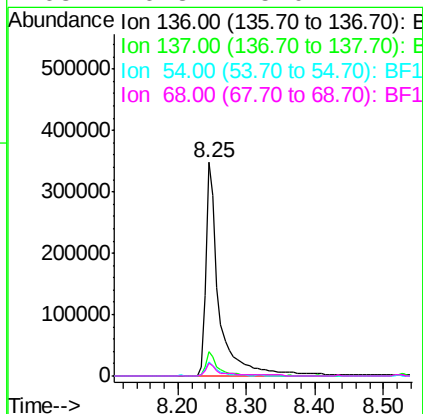
RT: 8.25 min Scan# 1047

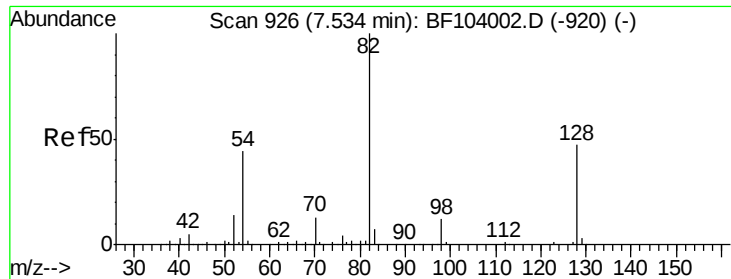
Delta R.T. -0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Tgt Ion:	136	Resp:	481351
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	6.3	5.0	7.4





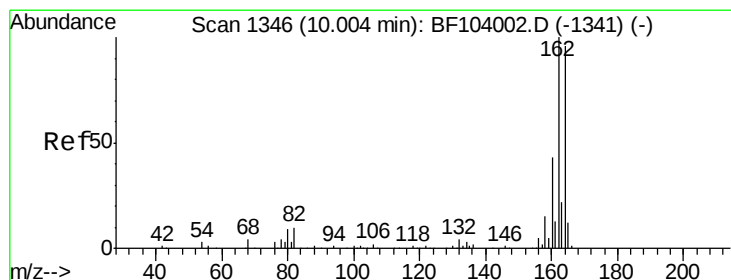
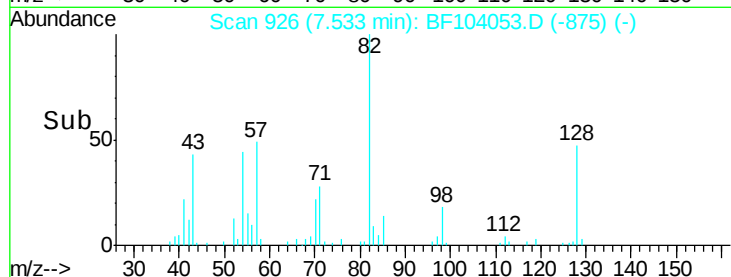
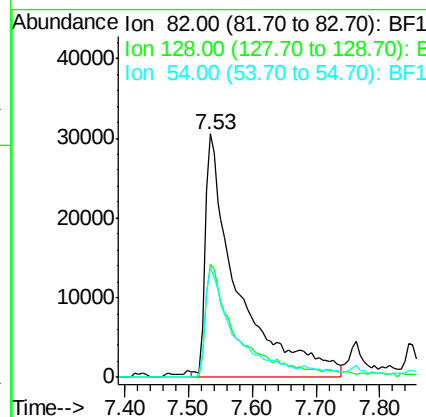
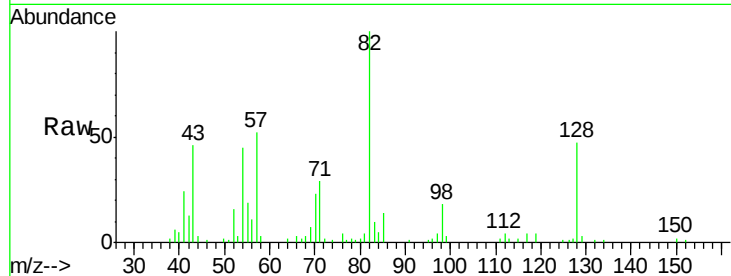
#23
Nitrobenzene-d5
Concen: 13.661 ng m
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampleId :
CL-02-032718-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	44.8	41.4	62.2

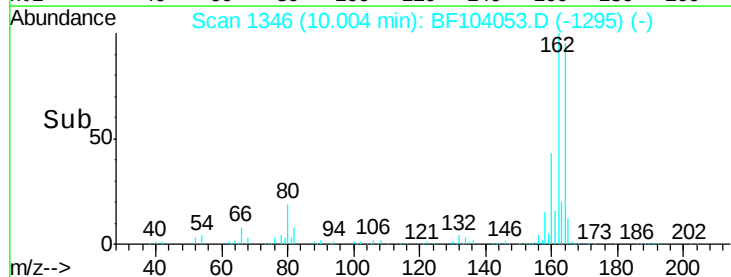
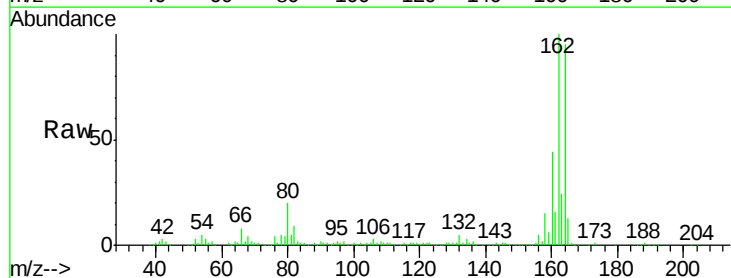
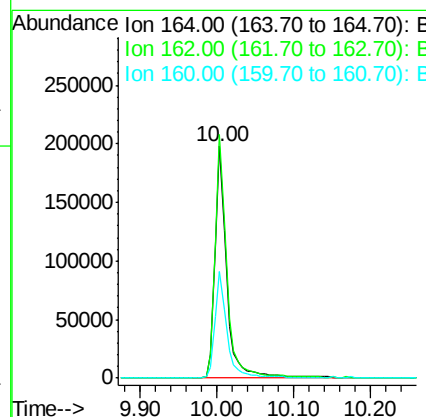
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	45.7	38.3	57.5





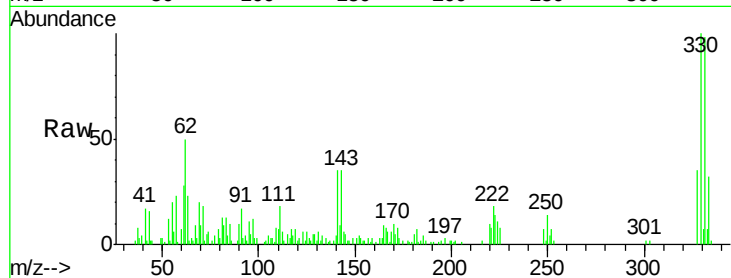
#41
 2,4,6-Tribromophenol
 Concen: 18.548 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032718-A

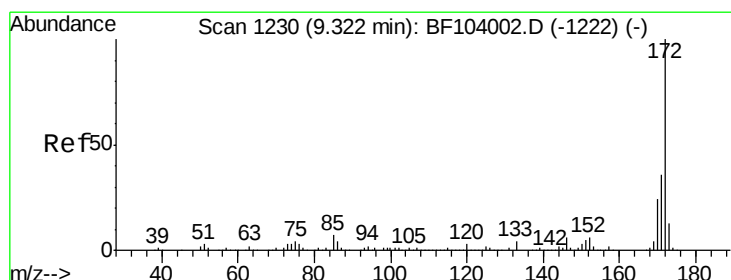
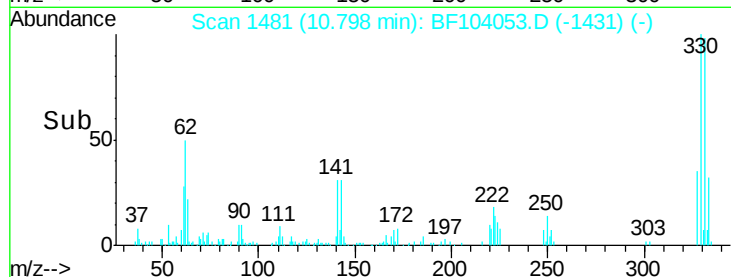
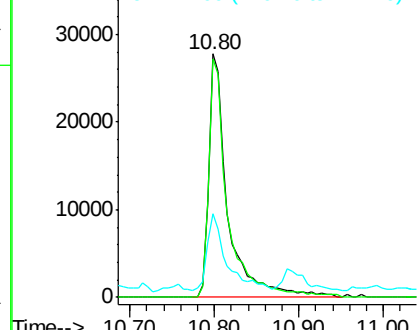
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	32.6	29.9	44.9

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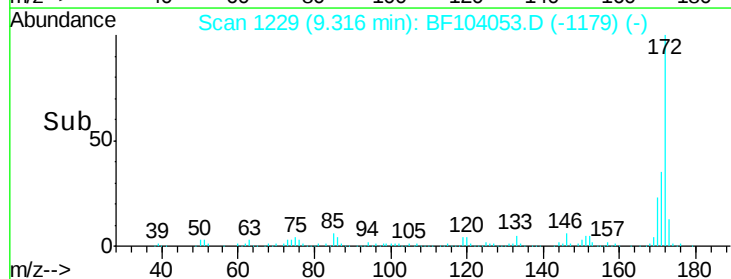
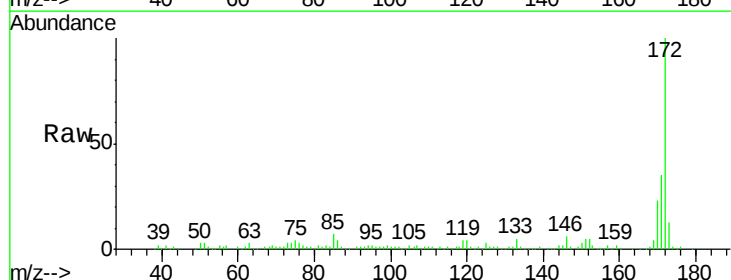
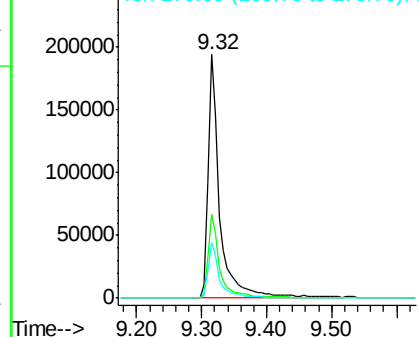
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

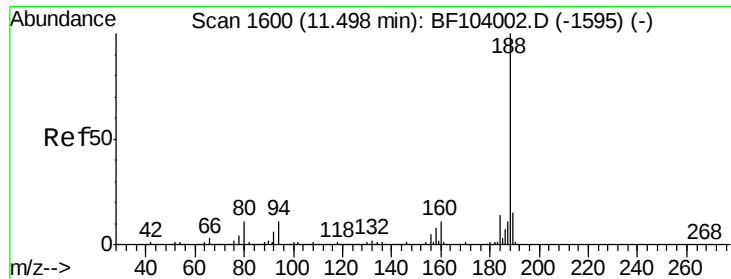


#44
 2-Fluorobiphenyl
 Concen: 18.183 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	22.6	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





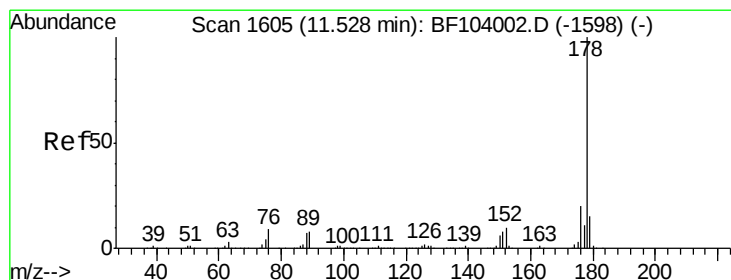
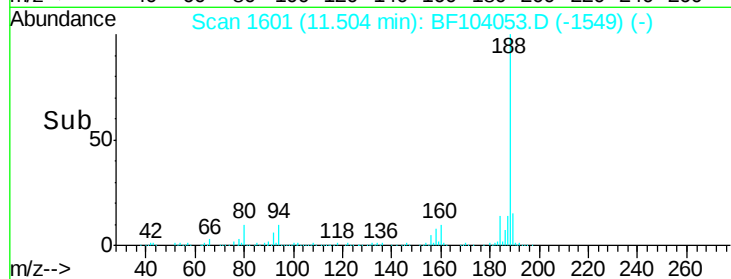
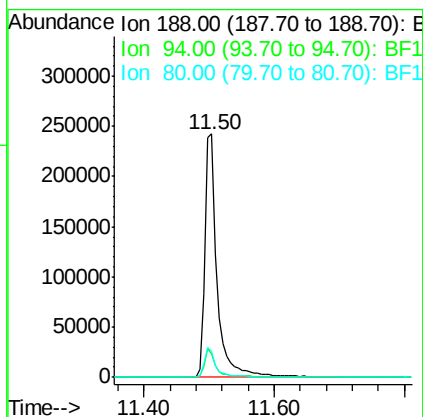
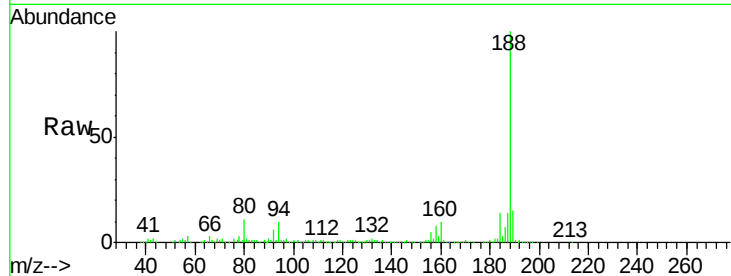
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampleId :
CL-02-032718-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	318122		
94	9.8		8.5	12.7
80	10.6		9.2	13.8

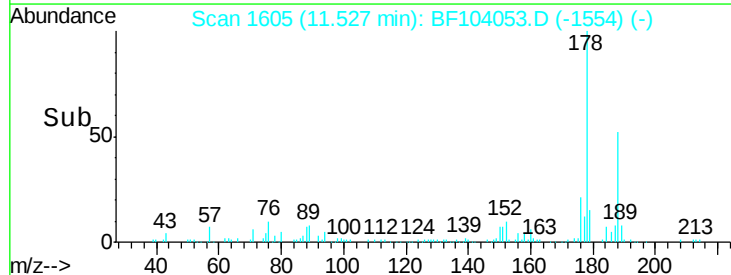
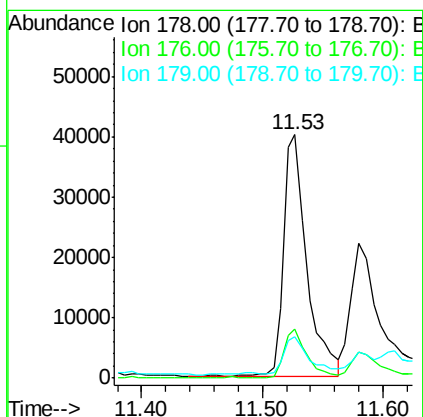
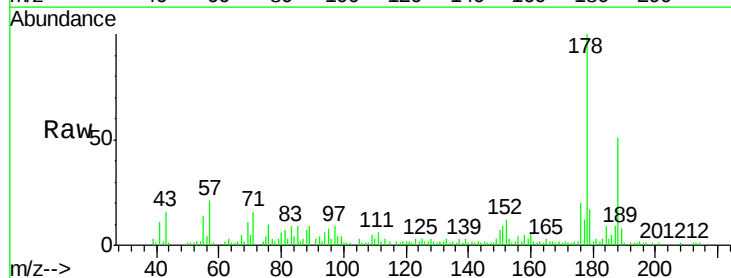
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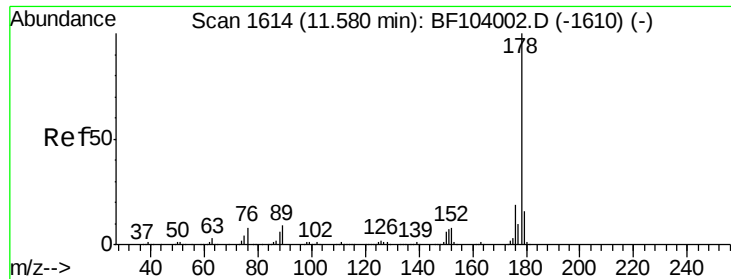
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#70
Phenanthrene
Concen: 3.066 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	52804		
176	20.3		15.8	23.8
179	16.9		13.0	19.6





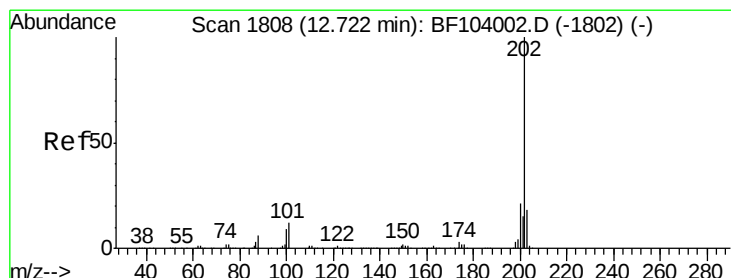
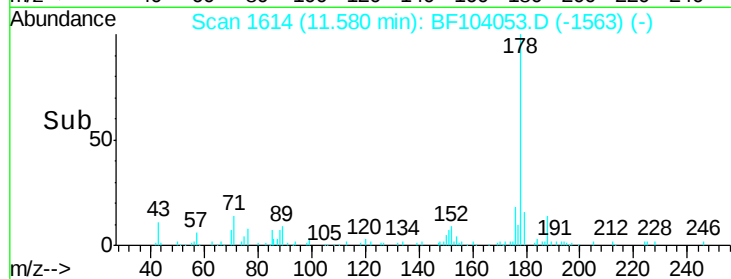
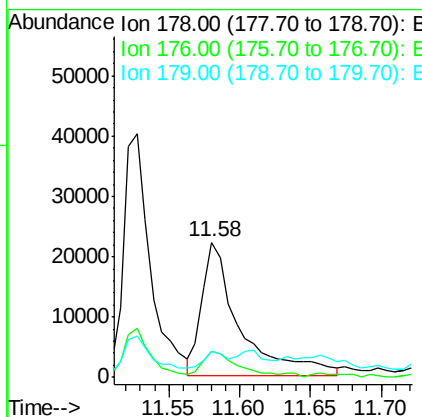
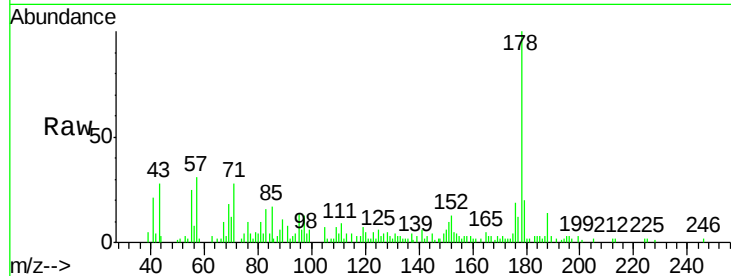
#71
 Anthracene
 Concen: 2.298 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Instrument :
 BNA_F
 ClientSampleID :
 CL-02-032718-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	19.7	12.6	19.0

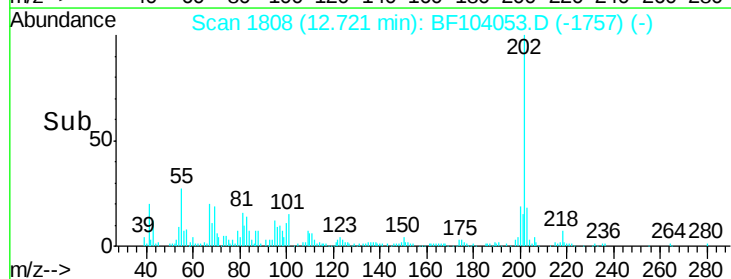
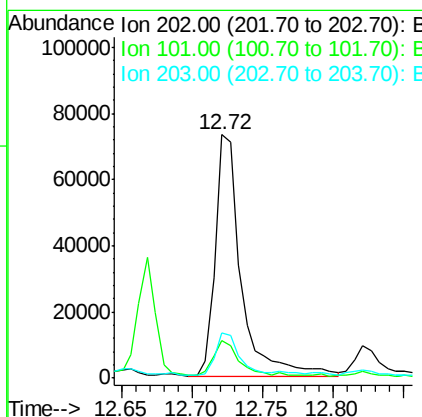
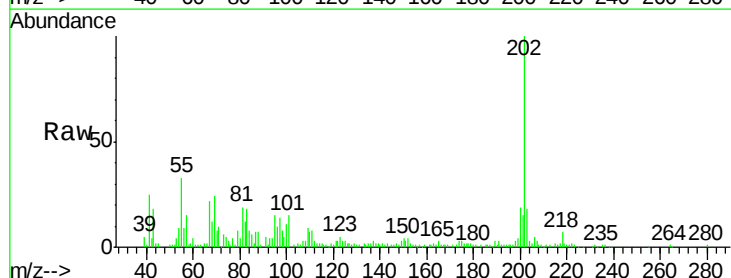
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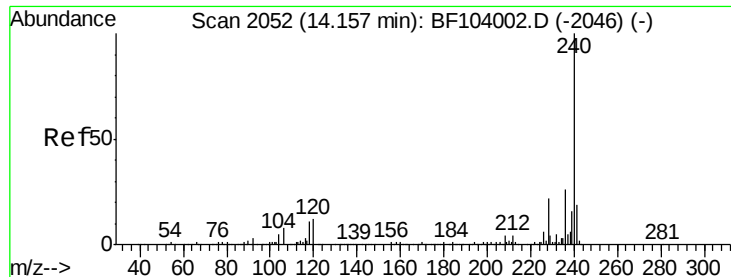
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#74
 Fluoranthene
 Concen: 5.124 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

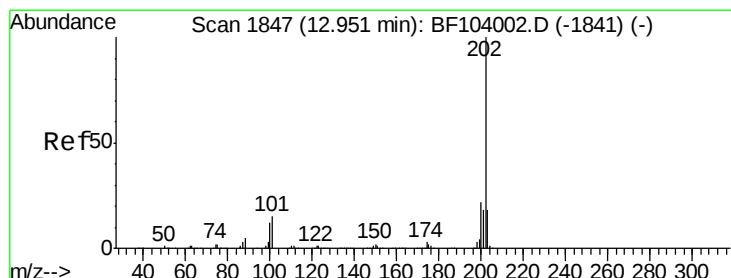
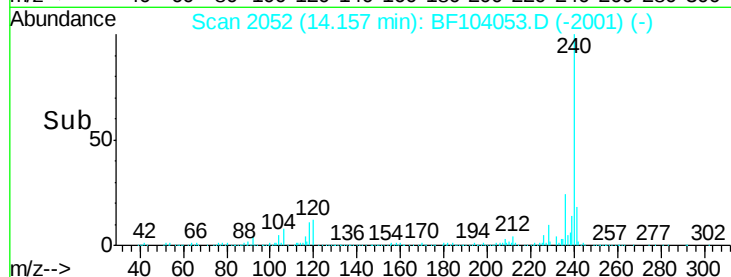
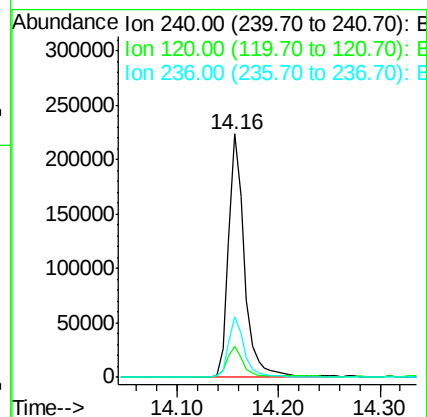
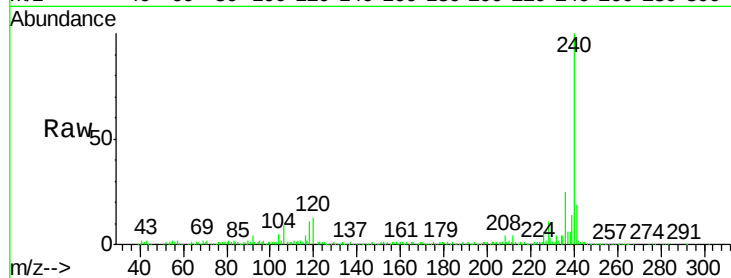
ClientSampleId :

CL-02-032718-A

Tot Ion:	240	Resp:	241715
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.5	14.3
236	24.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 7.658 ng

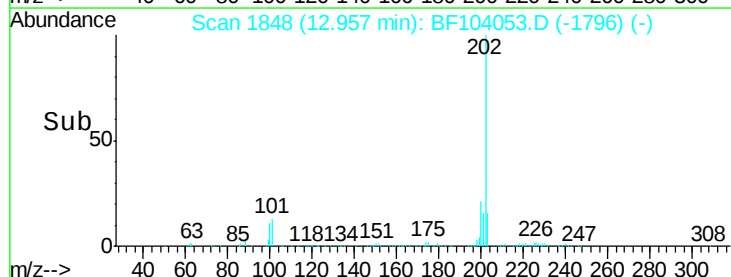
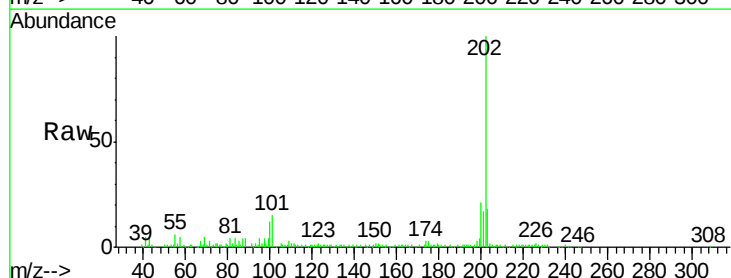
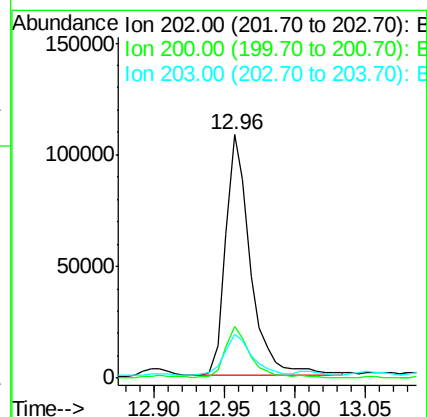
RT: 12.96 min Scan# 1848

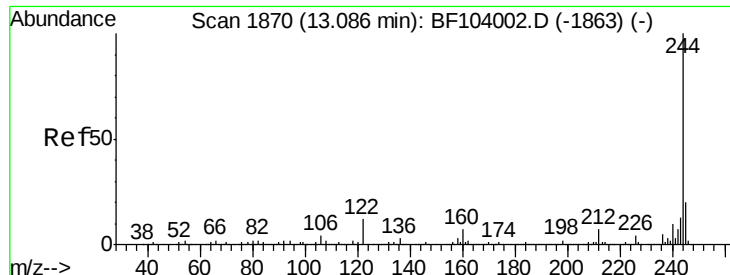
Delta R.T. 0.01 min

Lab File: BF104053.D

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Tgt Ion:	202	Resp:	133071
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 16.695 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

ClientSampleId :

CL-02-032718-A

Tot Ion:244 Resp: 174778

Ion Ratio Lower Upper

244 100

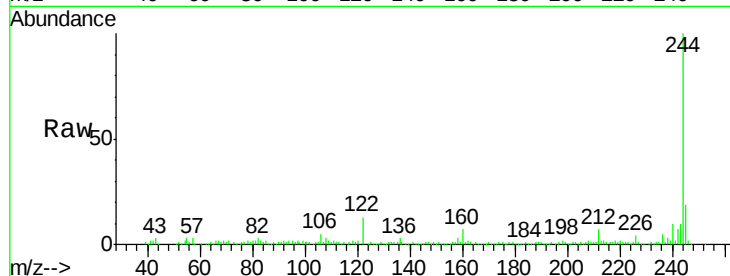
212 6.9 5.4 8.0

122 12.7 11.0 16.4

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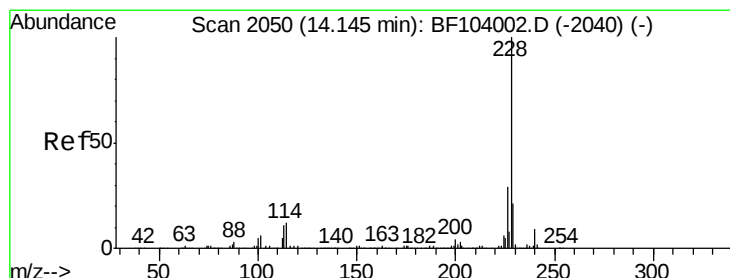
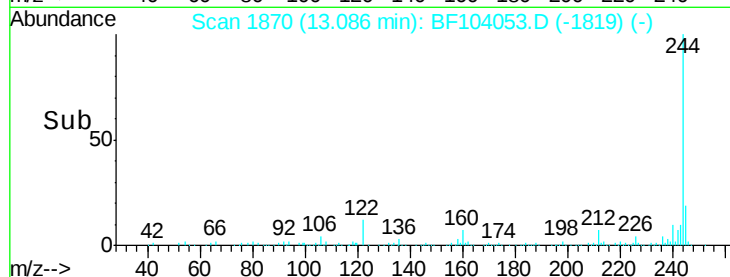
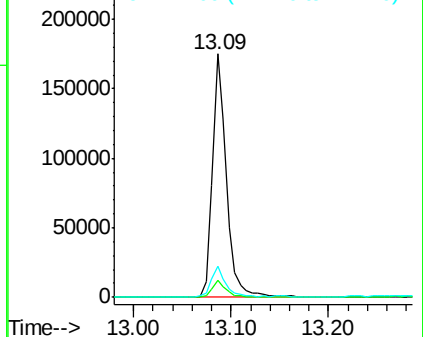
3/30/2018 6:00:51 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.712 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

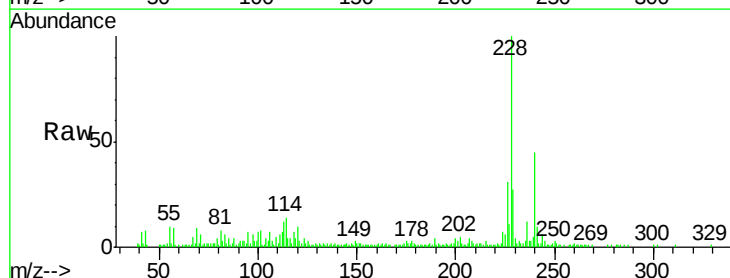
Tgt Ion:228 Resp: 71272

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

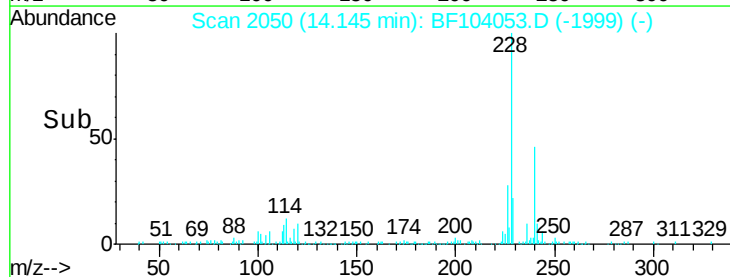
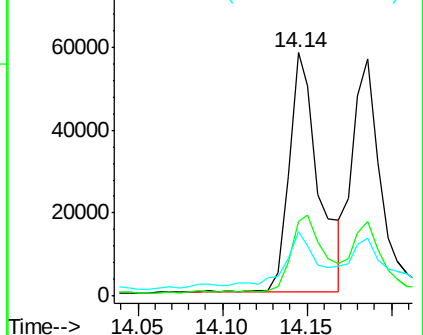
229 26.5 15.8 23.6#

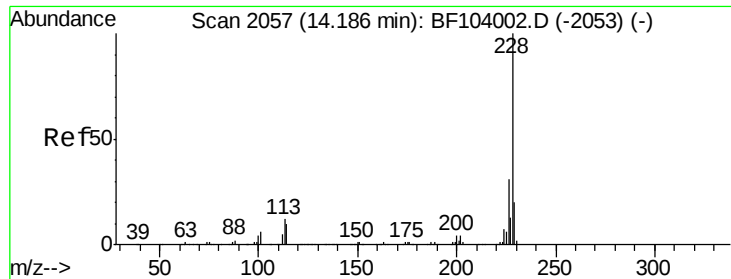


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.369 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

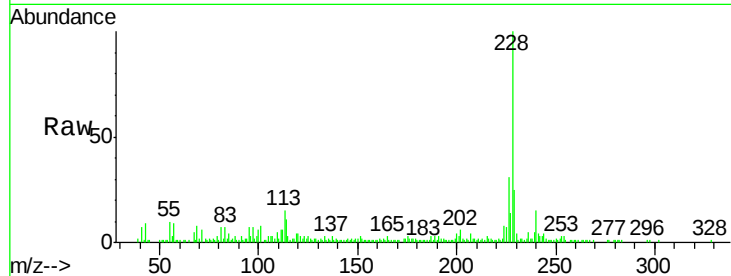
ClientSampleId :

CL-02-032718-A

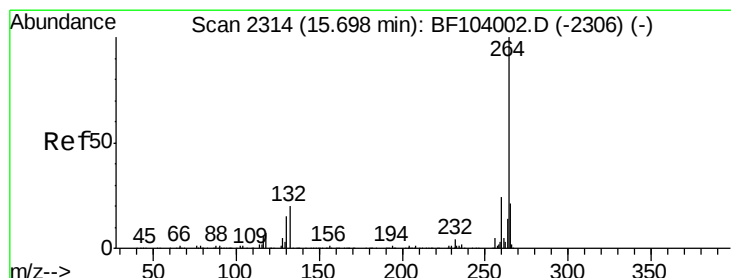
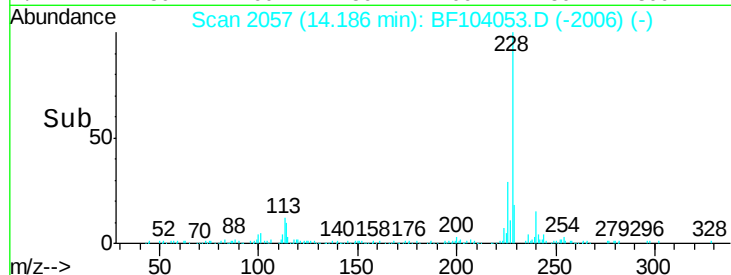
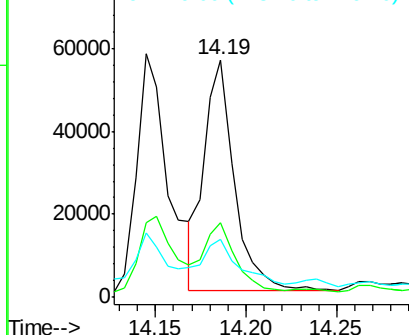
Tot Ion:	228	Resp:	64727
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	24.5	16.2	24.4

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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

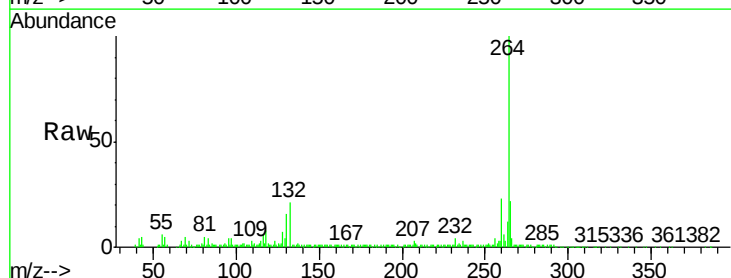
RT: 15.70 min Scan# 2315

Delta R.T. 0.01 min

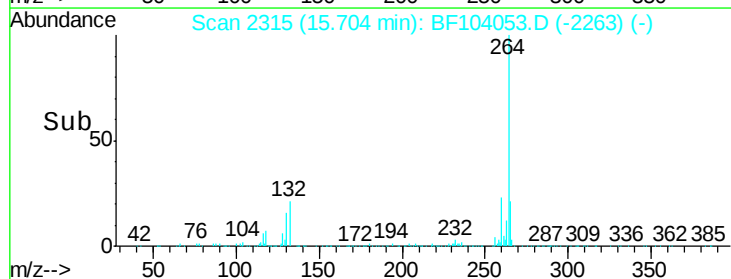
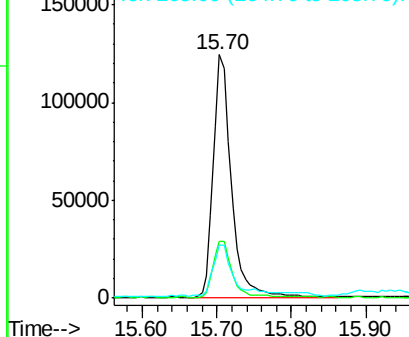
Lab File: BF104053.D

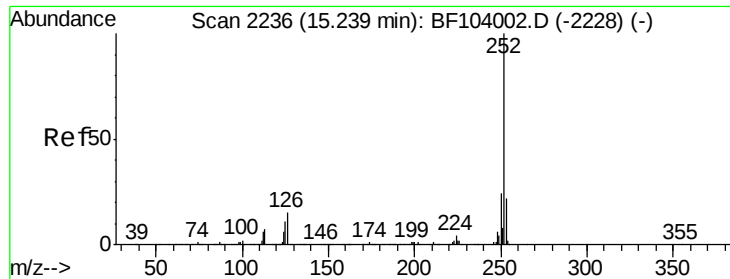
Acq: 29 Mar 2018 16:15

Tgt Ion:	264	Resp:	208075
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.6	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: 4.226 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

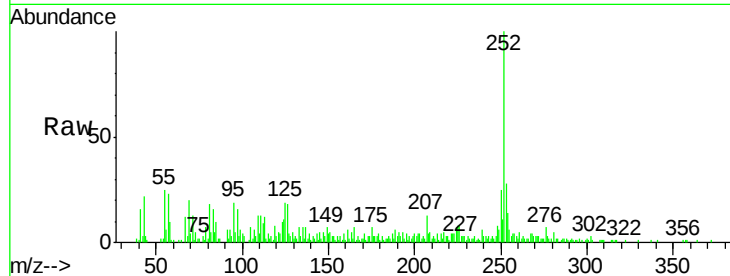
ClientSampleId :

CL-02-032718-A

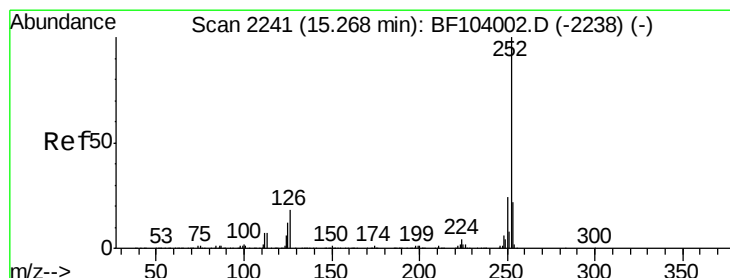
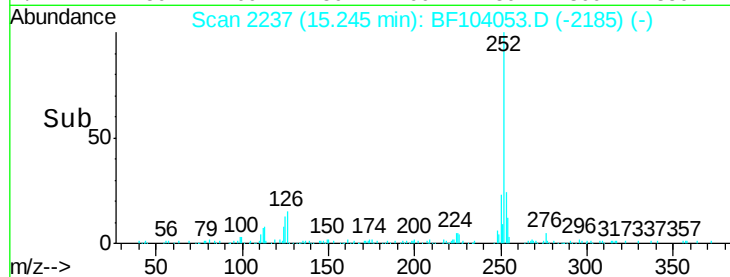
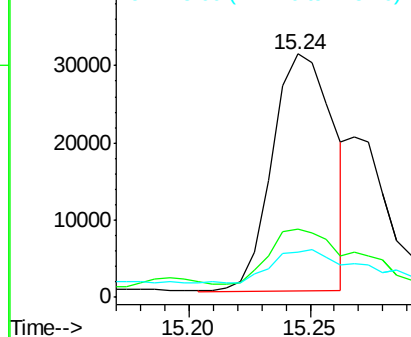
Tot Ion:	252	Resp:	53517
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.0	25.6#
125	18.8	9.0	13.6#

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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: 2.094 ng m

RT: 15.27 min Scan# 2241

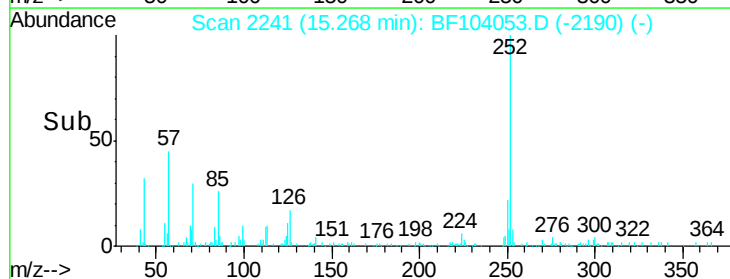
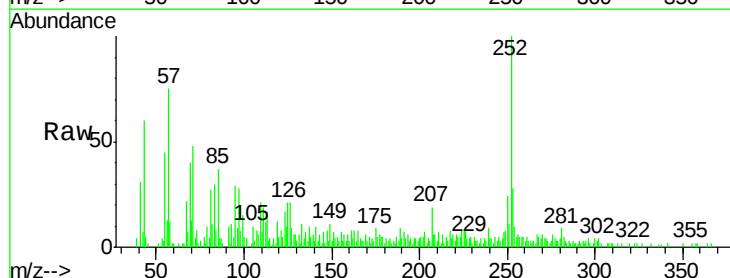
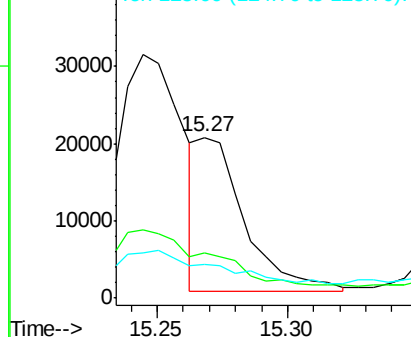
Delta R.T. -0.00 min

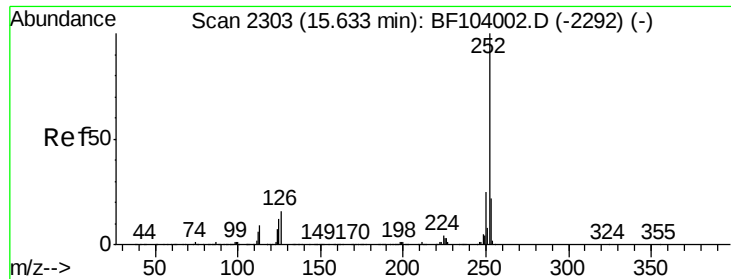
Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Tgt Ion:	252	Resp:	24983
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.9	26.9#
125	21.0	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: 4.232 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

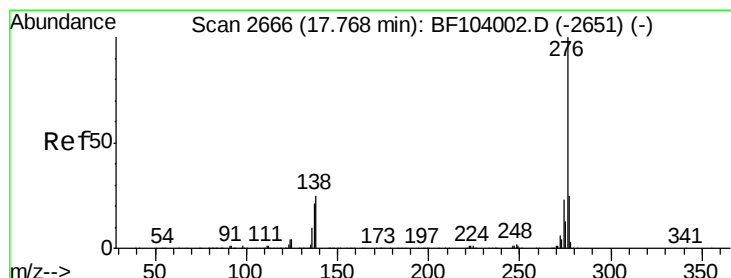
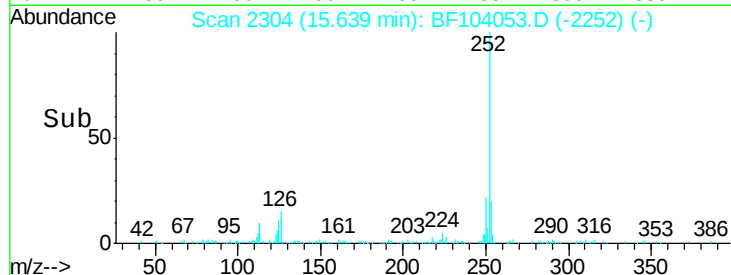
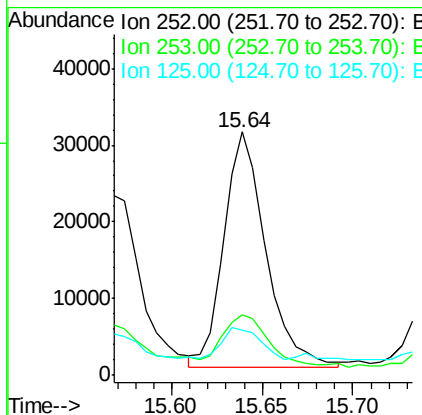
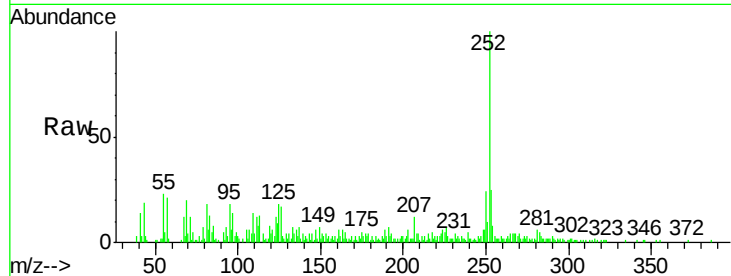
ClientSampleId :

CL-02-032718-A

Tot Ion:	252	Resp:	49668
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.1	25.7
125	18.4	9.8	14.6

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#91

Benzo(g,h,i)perylene

Concen: 2.707 ng

RT: 17.78 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Tgt Ion:	276	Resp:	29418
Ion Ratio	Lower	Upper	
276	100		
277	27.5	17.9	26.9
138	30.1	21.8	32.8

