

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104031.D
 Acq On : 29 Mar 2018 00:40
 Operator : JU/SJ
 Sample : J1754-11 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations
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 3/29/2018 5:36:46 PM

Quant Time: Mar 29 05:32:41 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	120997	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	494935	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	204046	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	294673	20.00	ng	0.00
75) Chrysene-d12	14.16	240	237788	20.00	ng	0.00
86) Perylene-d12	15.70	264	172035	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	94777	12.49	ng	0.00
7) Phenol-d6	6.60	99	175995	18.85	ng	0.00
23) Nitrobenzene-d5	7.53	82	94711	11.70	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	37988	16.72	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	245747	18.99	ng	0.00
78) Terphenyl-d14	13.09	244	172931	16.79	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	48432	3.036	ng	Qvalue 100
71) Anthracene	11.58	178	38299	2.298	ng	97
74) Fluoranthene	12.72	202	93658	5.523	ng	97
77) Pyrene	12.96	202	130913	7.659	ng	99
80) Benzo(a)anthracene	14.14	228	64149	4.311	ng	# 95
82) Chrysene	14.19	228	67472m	4.630	ng	
87) Benzo(b)fluoranthene	15.24	252	50401m	4.814	ng	
89) Benzo(a)pyrene	15.64	252	41780	4.306	ng	# 91
91) Benzo(g,h,i)perylene	17.78	276	24078	2.680	ng	# 93

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

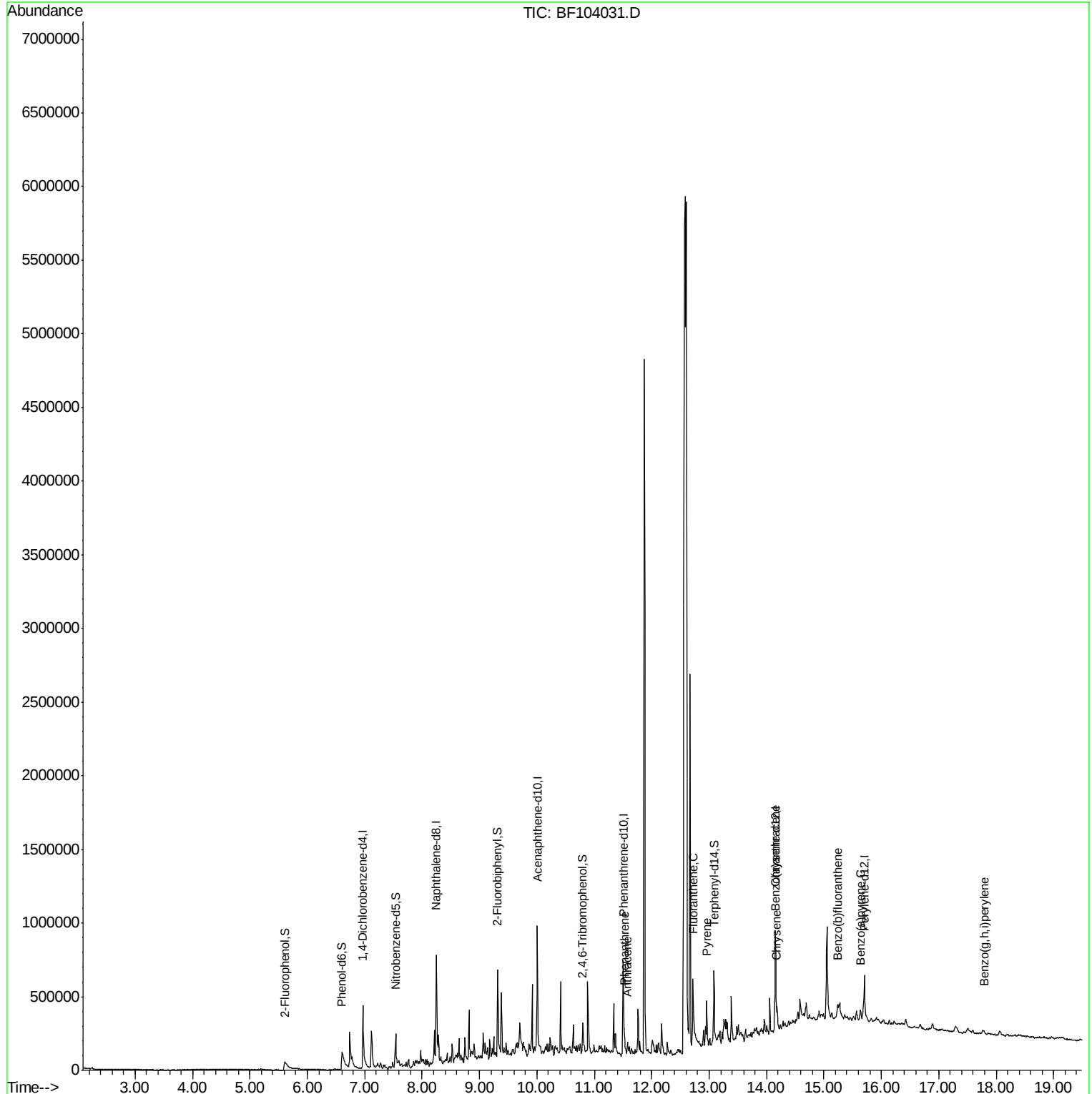
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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Misc :
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#1

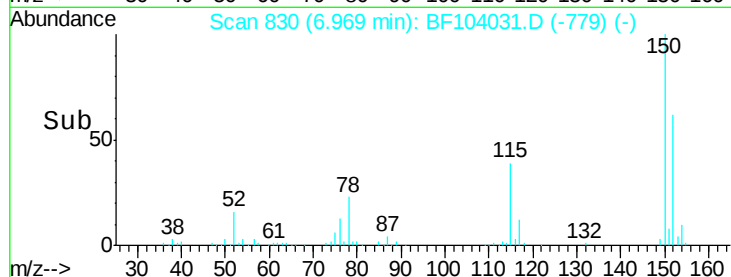
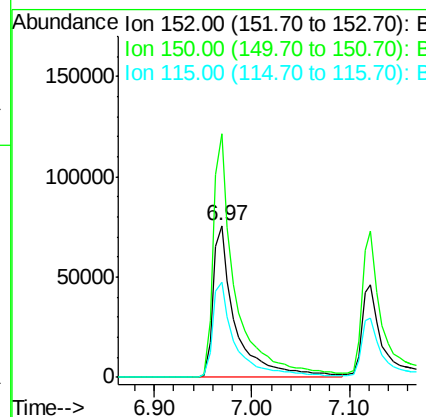
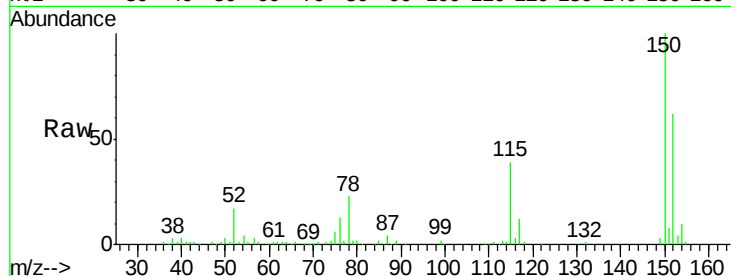
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	62.3	50.1	75.1

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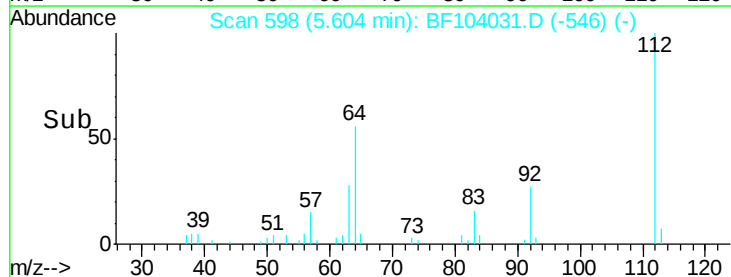
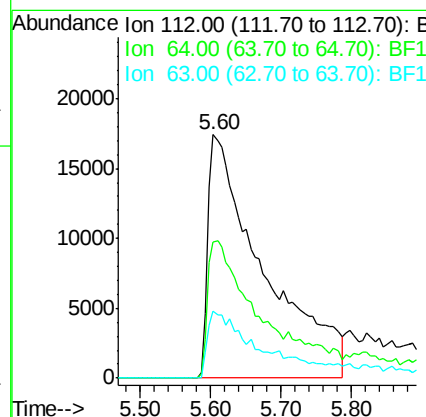
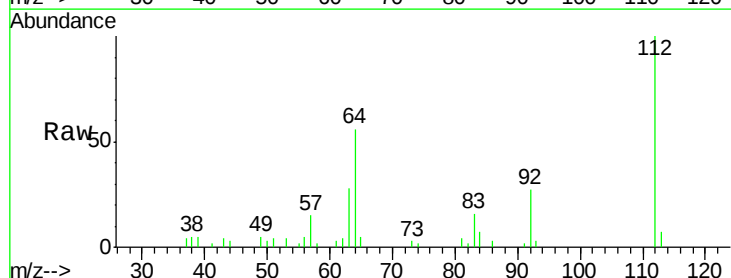
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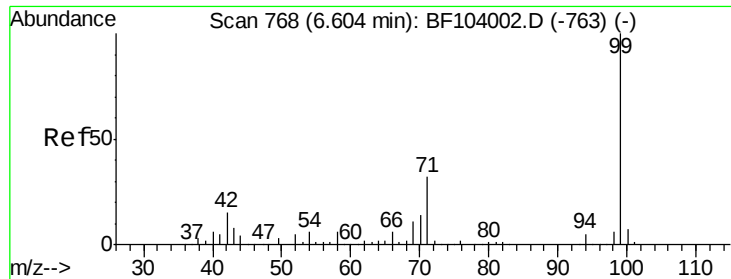


#5

2-Fluorophenol
Concen: 12.492 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 18.854 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF104031.D

Acq: 29 Mar 2018 00:40

Instrument :

BNA_F

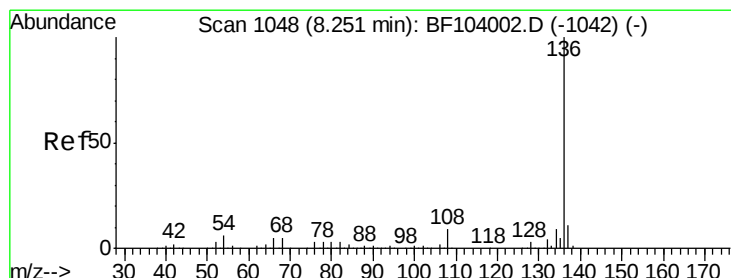
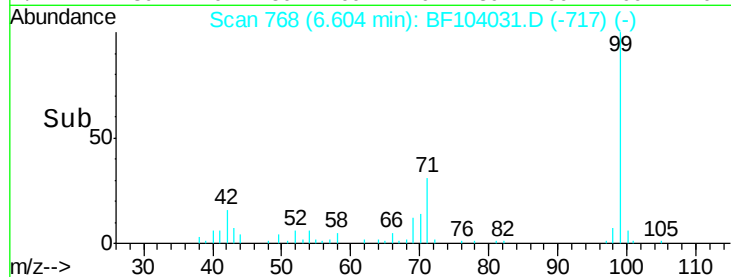
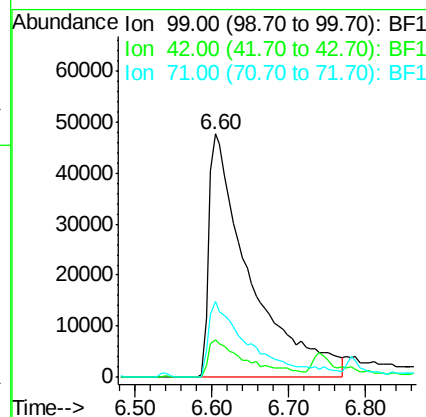
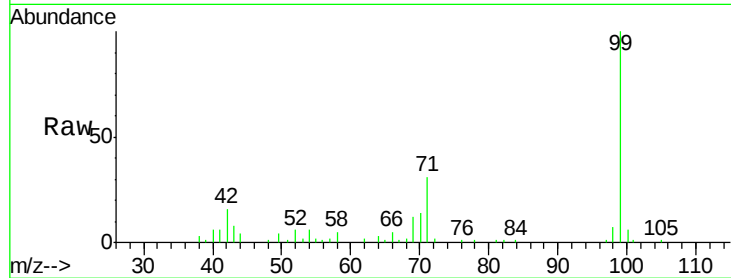
ClientSampleId :

CL-02-032718-A

Tot Ion:	99	Resp:	175995
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

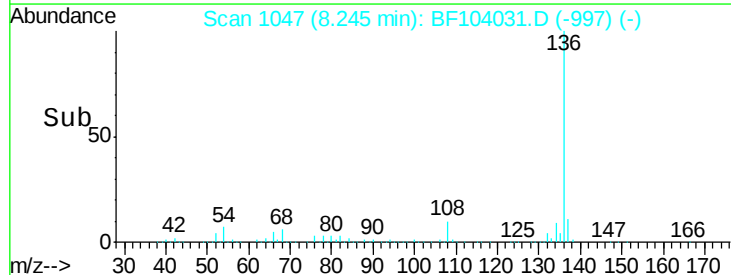
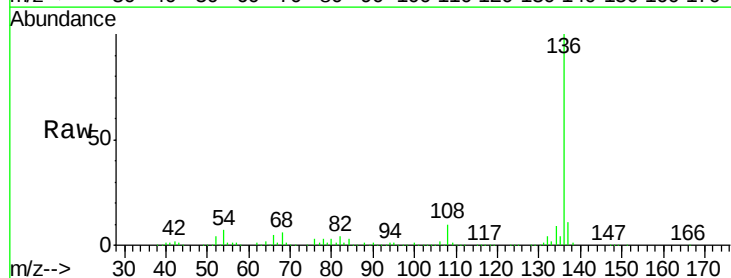
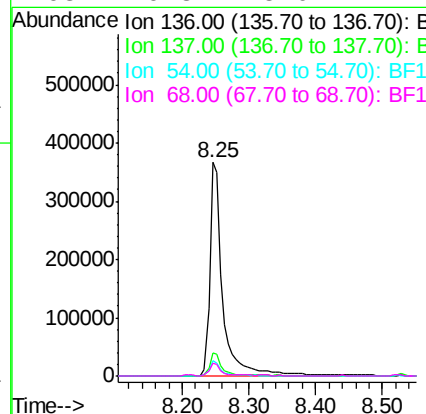
RT: 8.25 min Scan# 1047

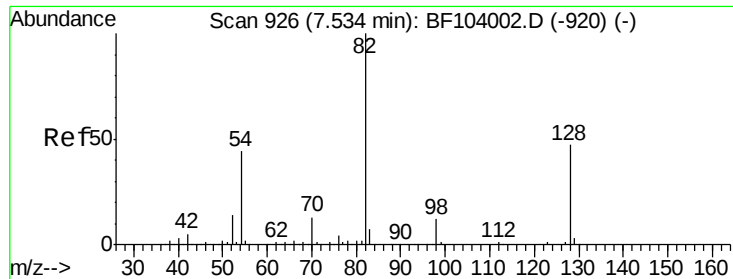
Delta R.T. -0.01 min

Lab File: BF104031.D

Acq: 29 Mar 2018 00:40

Tgt Ion:	136	Resp:	494935
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.0	6.6	9.8
68	6.3	5.0	7.4





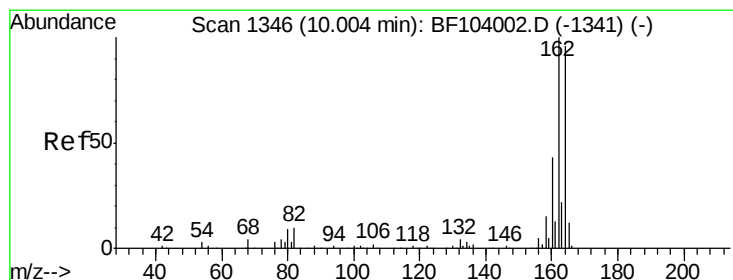
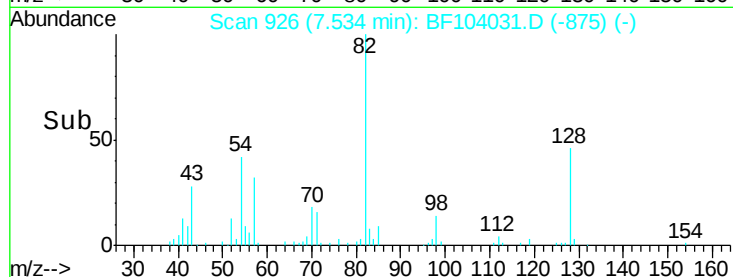
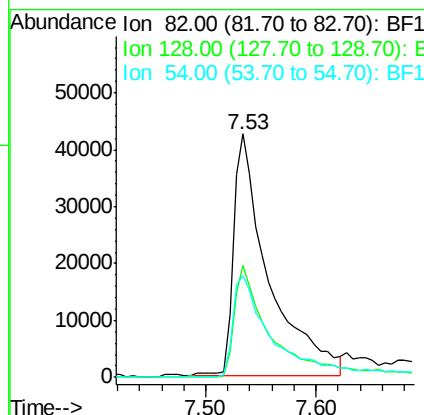
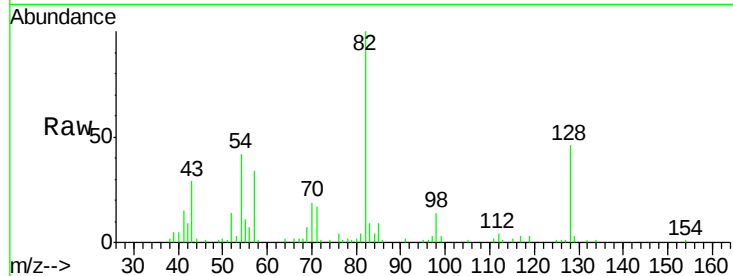
#23
Nitrobenzene-d5
Concen: 11.703 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

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

Tot Ion	82	Resp	94711
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	41.6	41.4	62.2

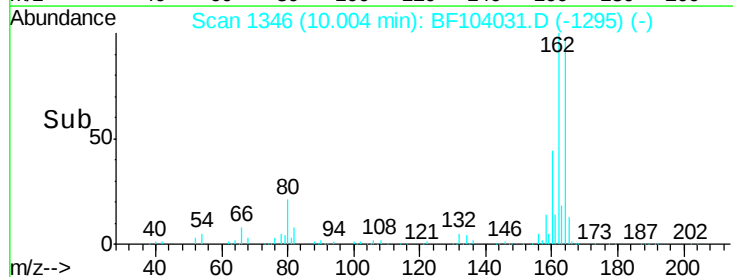
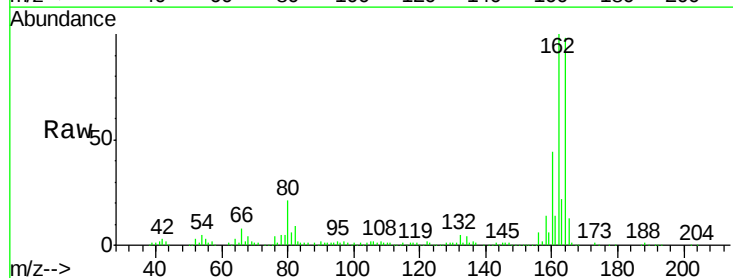
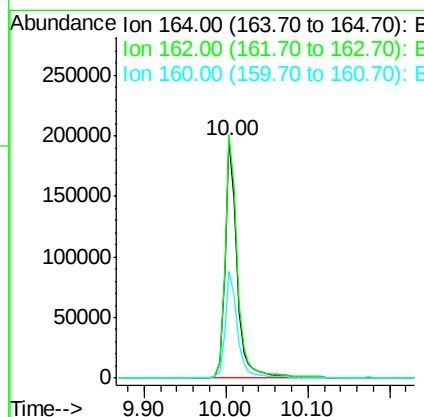
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

Tgt Ion	164	Resp	204046
Ion Ratio	100	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	44.9	38.3	57.5





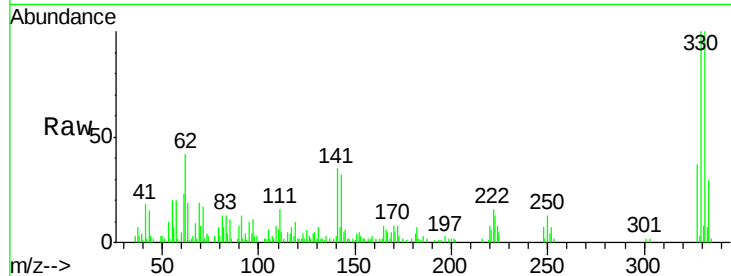
#41
 2,4,6-Tribromophenol
 Concen: 16.720 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

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

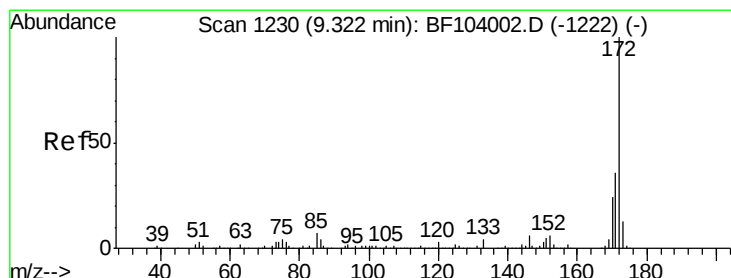
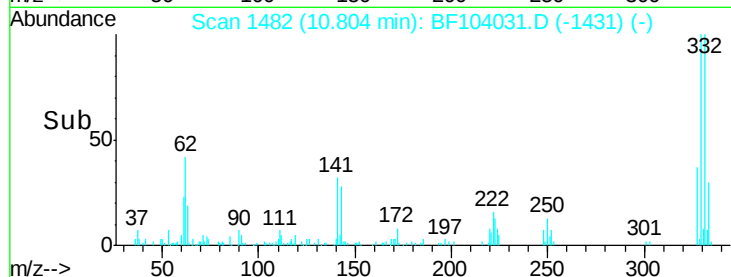
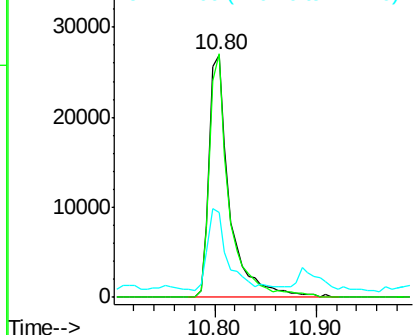
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	33.7	29.9	44.9

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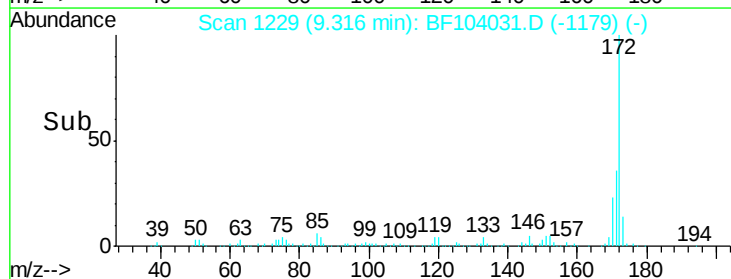
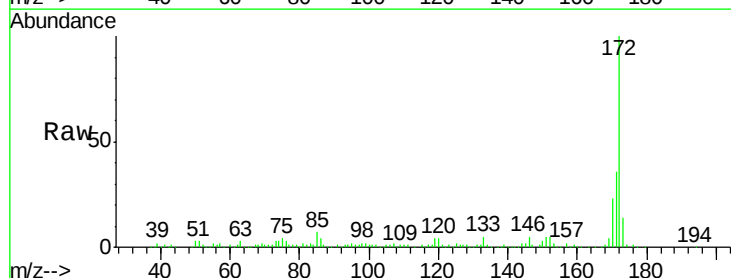
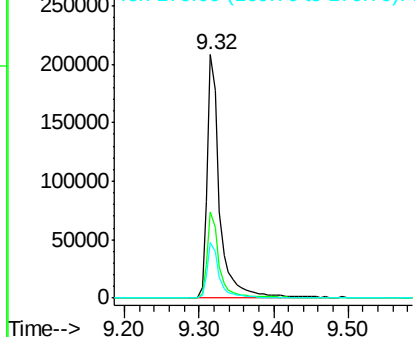
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

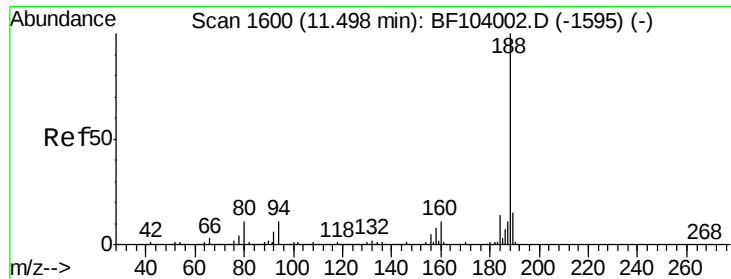


#44
 2-Fluorobiphenyl
 Concen: 18.992 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	22.7	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





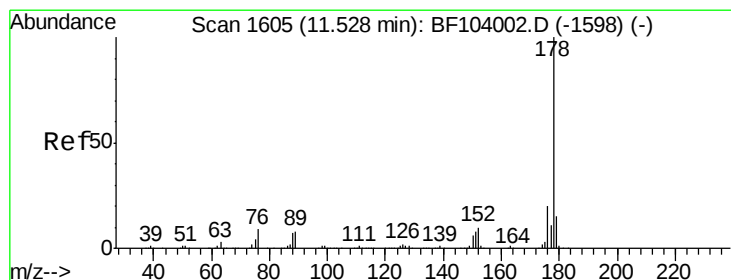
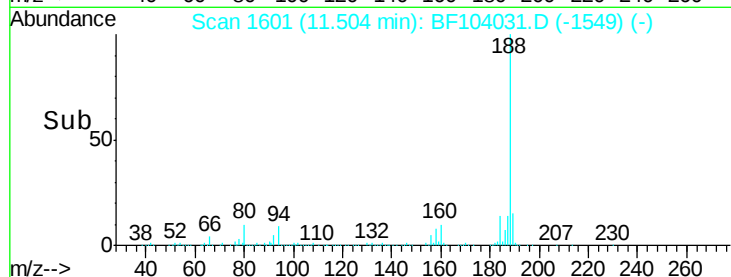
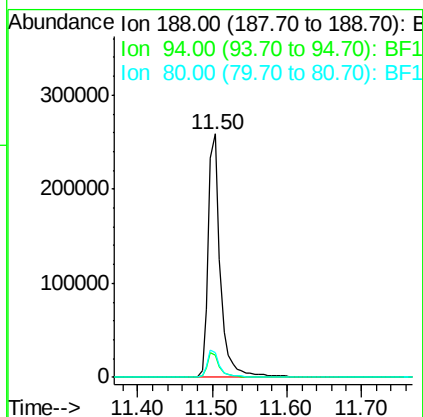
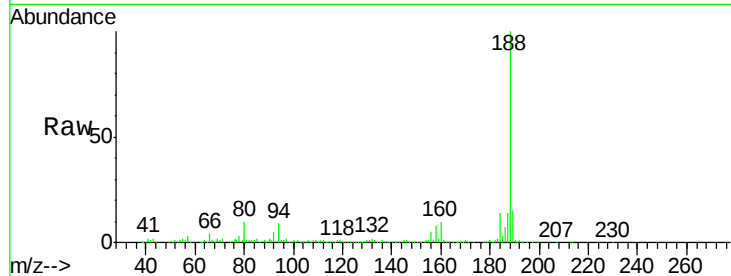
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	294673		
94	9.4		8.5	12.7
80	10.2		9.2	13.8

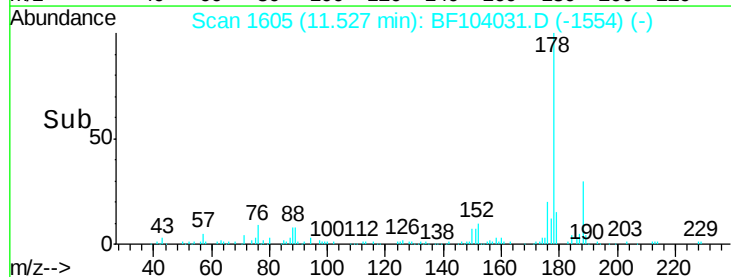
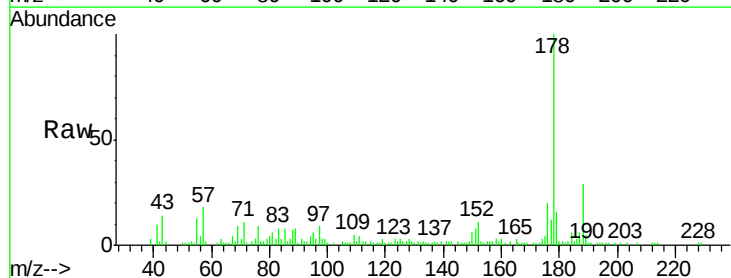
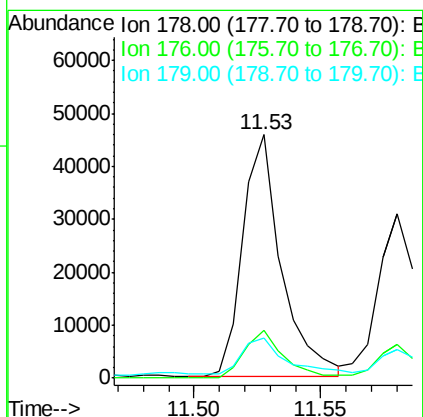
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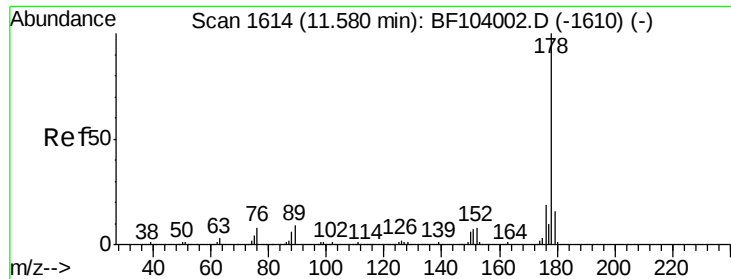
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#70
Phenanthrene
Concen: 3.036 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	48432		
176	19.7		15.8	23.8
179	16.4		13.0	19.6





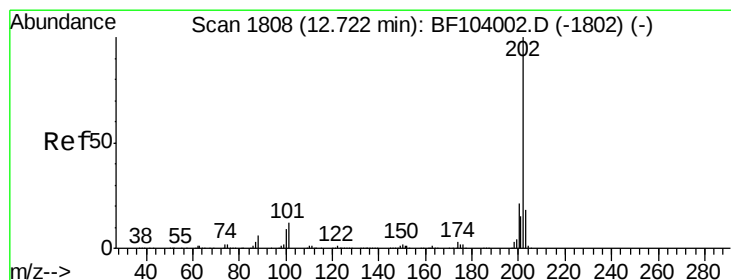
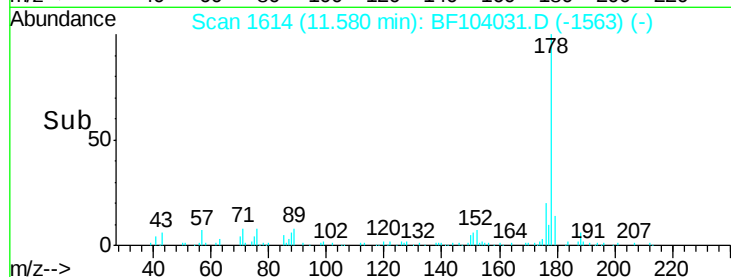
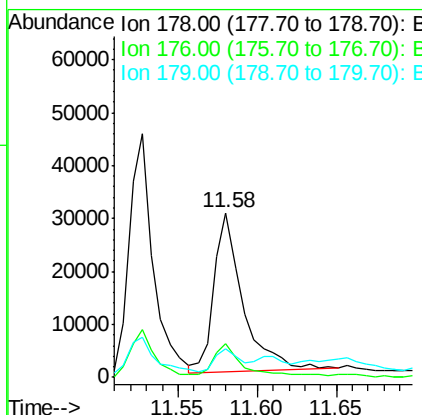
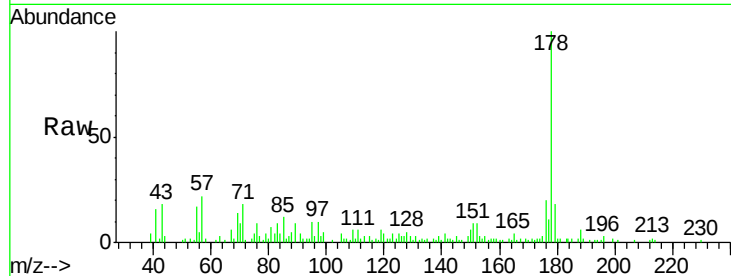
#71
 Anthracene
 Concen: 2.298 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.2
179	17.6	12.6	19.0

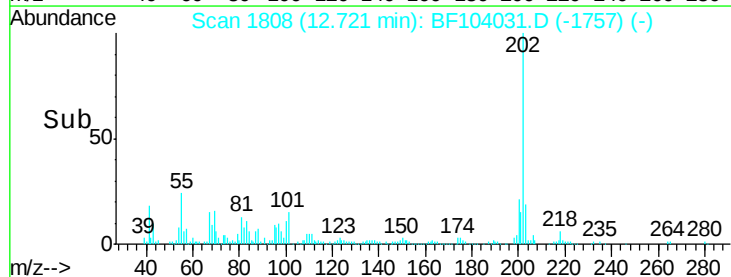
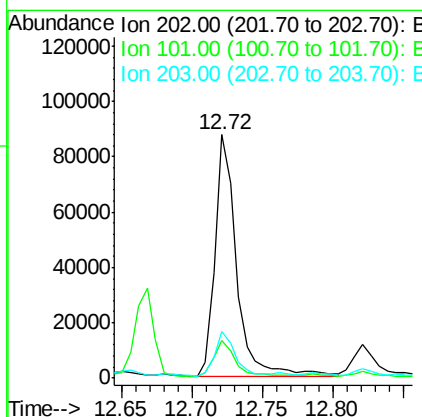
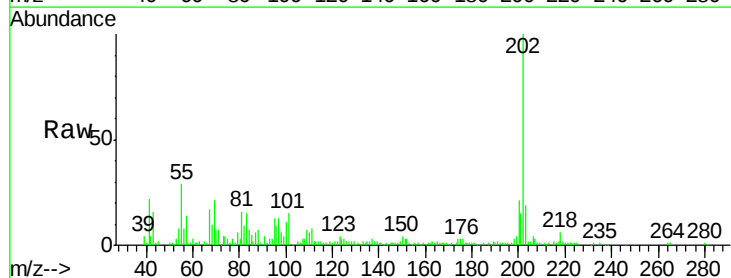
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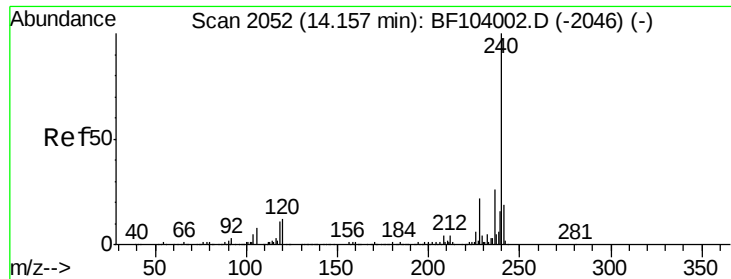
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#74
 Fluoranthene
 Concen: 5.523 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	34.1
203	19.0	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: BF104031.D

Acq: 29 Mar 2018 00:40

Instrument :

BNA_F

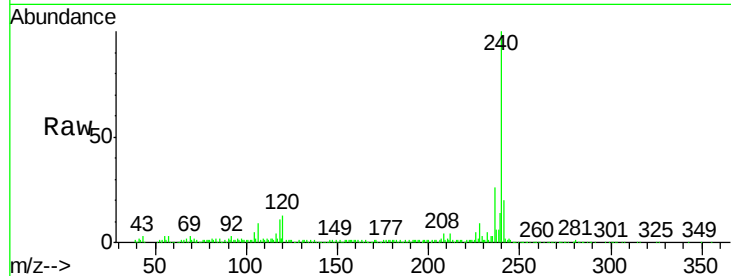
ClientSampleId :

CL-02-032718-A

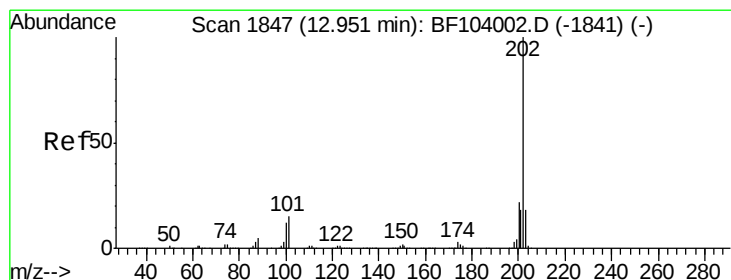
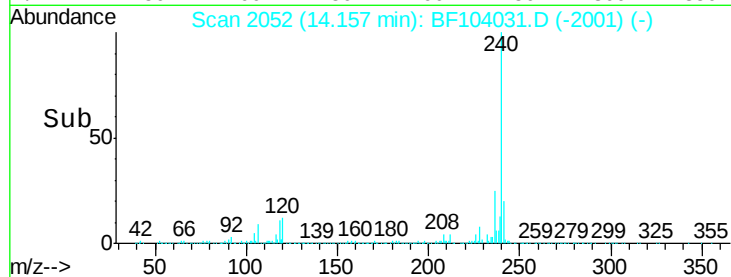
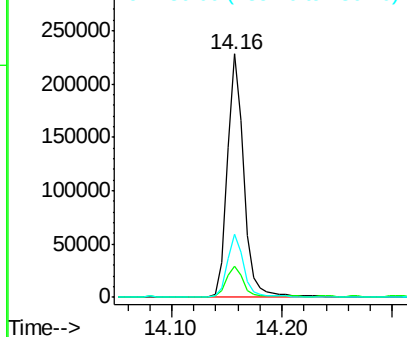
Tot Ion:	240	Resp:	237788
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	25.7	20.7	31.1

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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: 7.659 ng

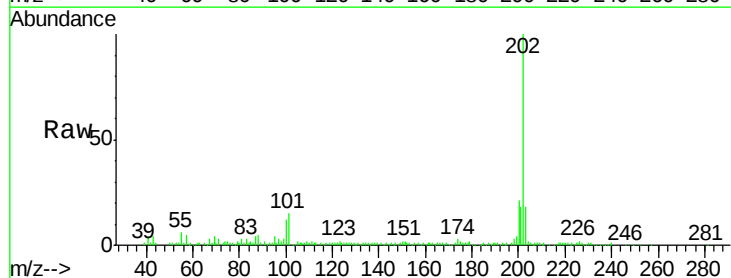
RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

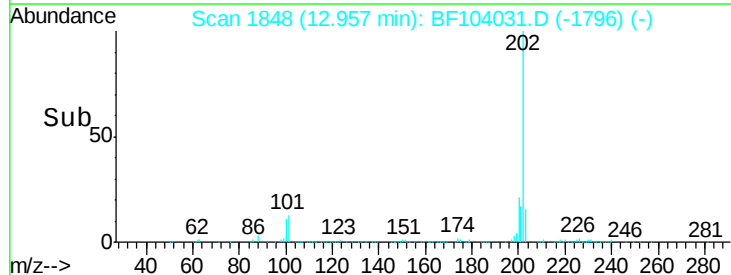
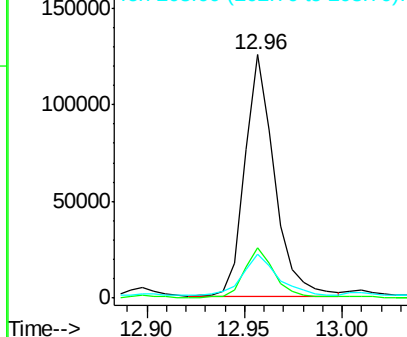
Lab File: BF104031.D

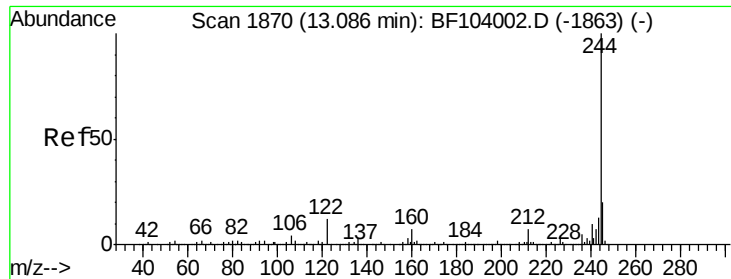
Acq: 29 Mar 2018 00:40

Tgt Ion:	202	Resp:	130913
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.9	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





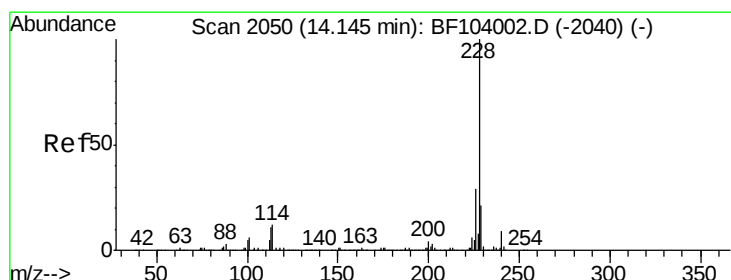
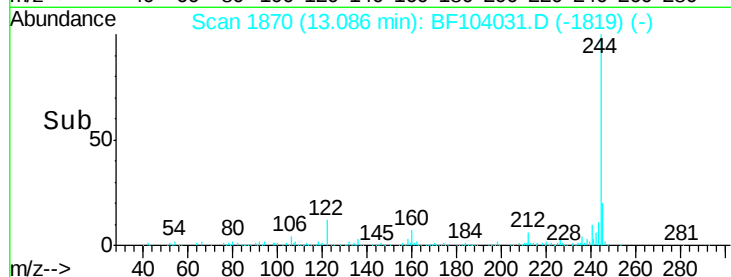
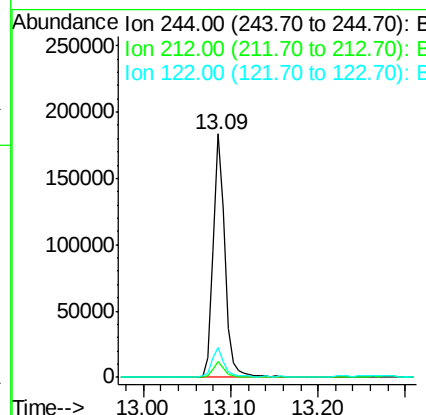
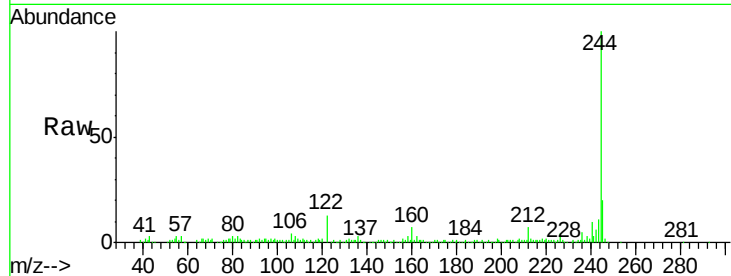
#78
 Terphenyl-d14
 Concen: 16.792 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.5	11.0	16.4

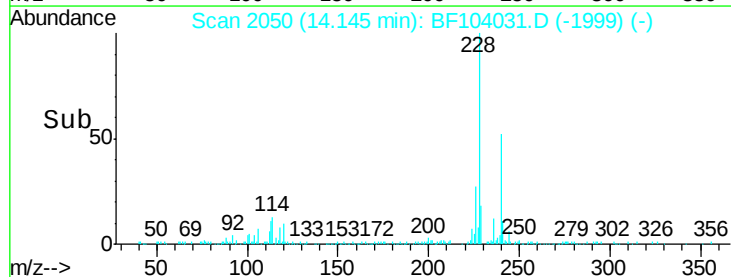
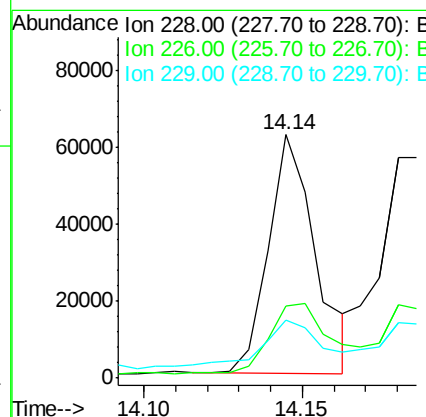
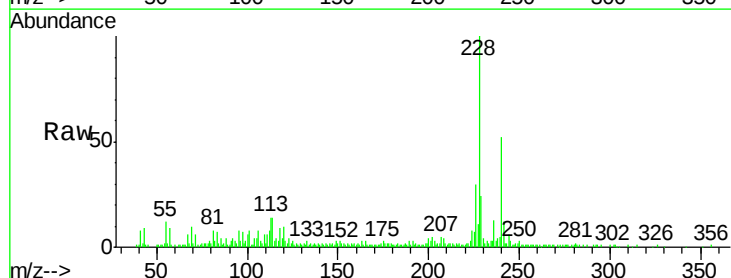
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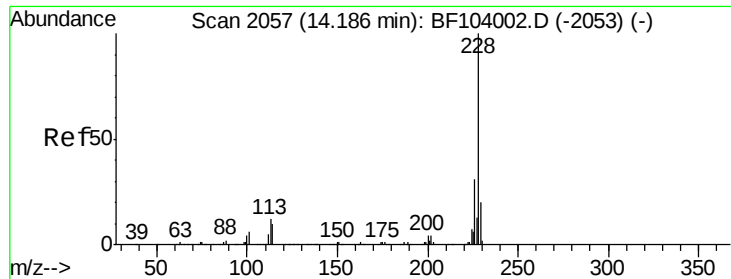
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.311 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	23.7	15.8	23.6#





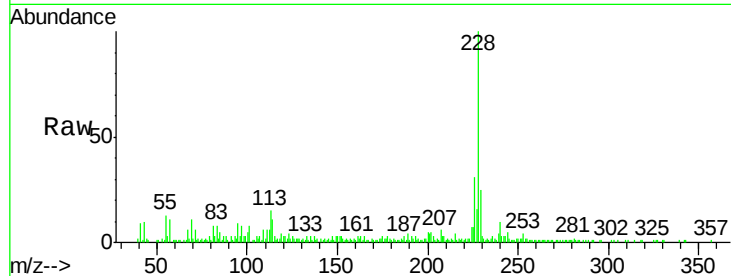
#82
Chrysene
Concen: 4.630 ng/ml
RT: 14.19 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF104031.D
Acq: 29 Mar 2018 00:40

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	24.8	16.2	24.4

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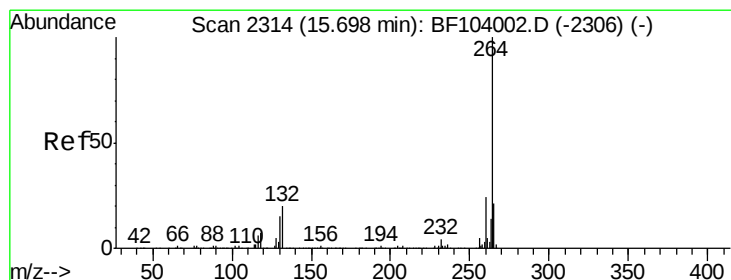
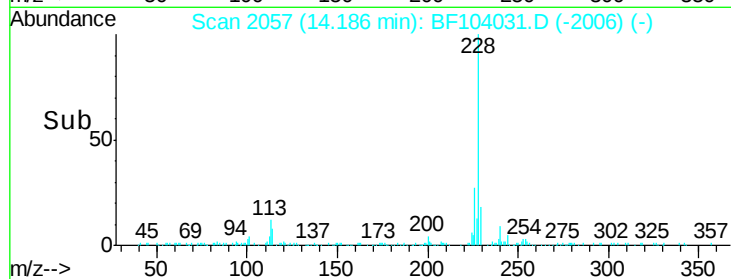
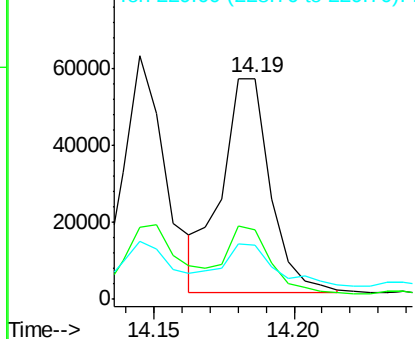


Abundance

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: BF104031.D
Acq: 29 Mar 2018 00:40

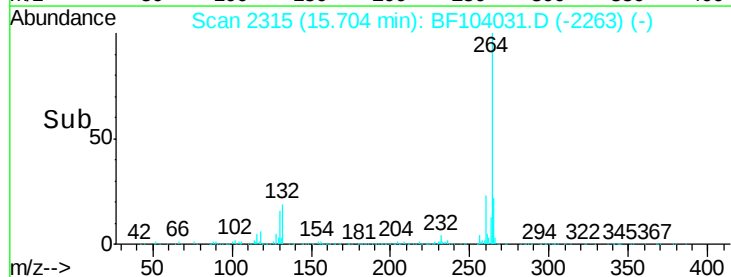
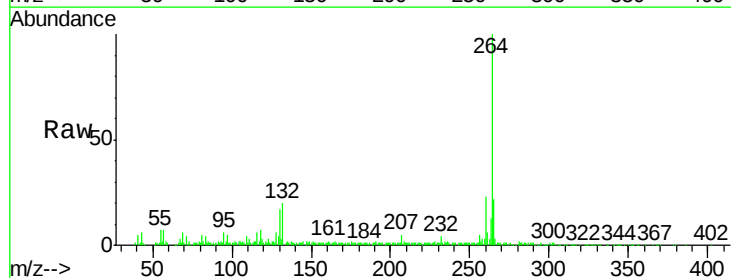
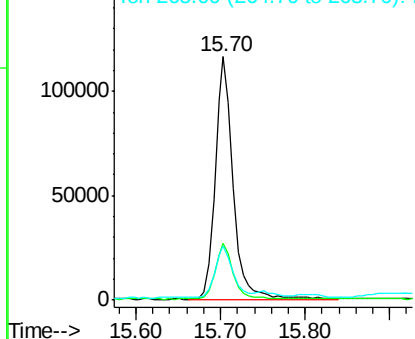
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.4	17.5	26.3

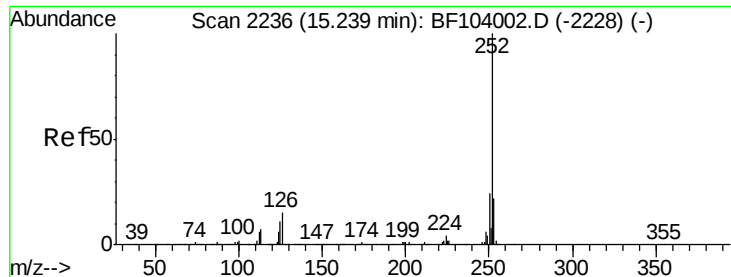
Abundance

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: 4.814 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104031.D

Acq: 29 Mar 2018 00:40

Instrument :

BNA_F

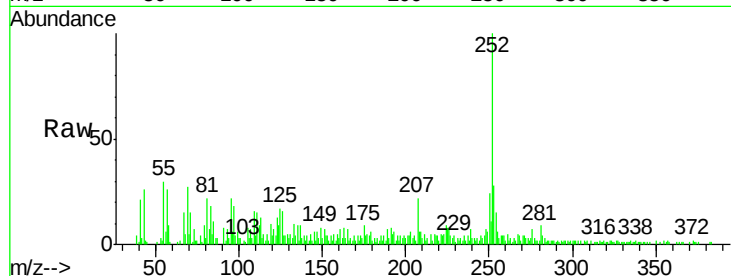
ClientSampleId :

CL-02-032718-A

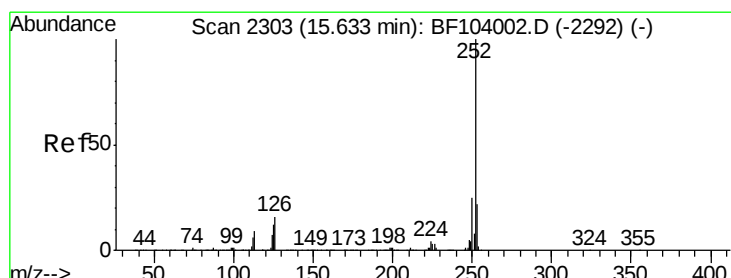
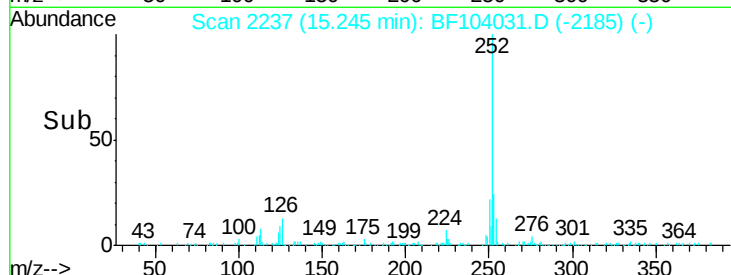
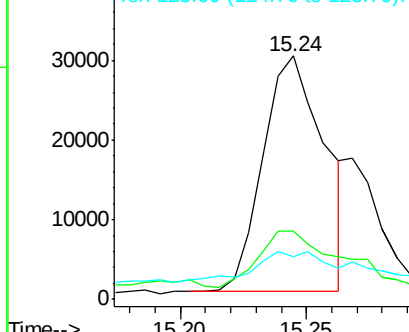
Tot Ion:	252	Resp:	50401
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.0	25.6#
125	17.3	9.0	13.6#

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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



#89

Benzo(a)pyrene

Concen: 4.306 ng

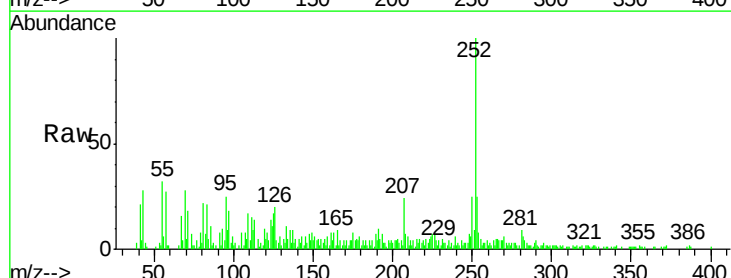
RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

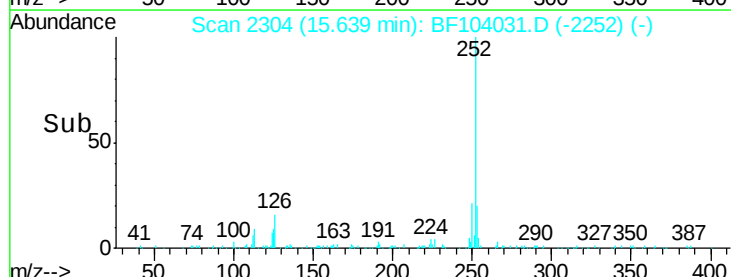
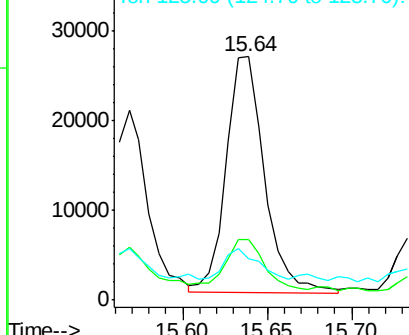
Lab File: BF104031.D

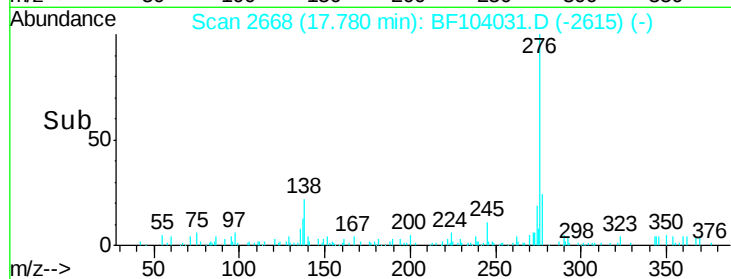
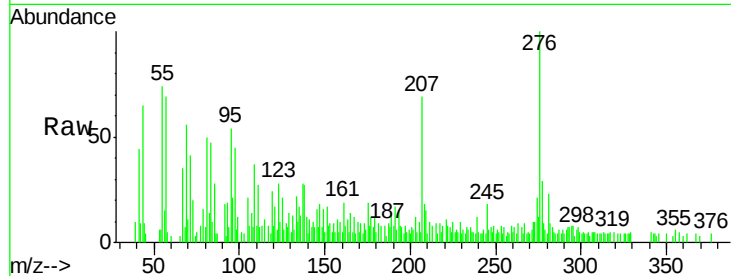
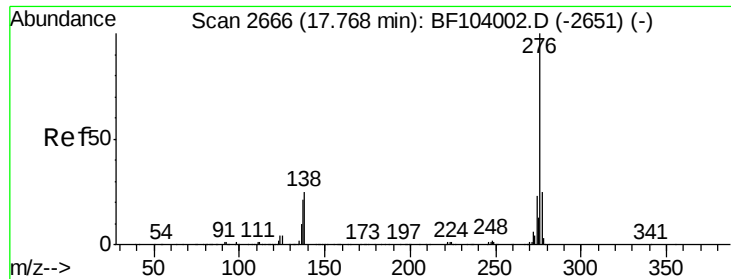
Acq: 29 Mar 2018 00:40

Tgt Ion:	252	Resp:	41780
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.1	25.7
125	16.9	9.8	14.6#



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





#91
 Benzo(a,h,i)perylene
 Concen: 2.680 ng
 RT: 17.78 min Scan# 2668
 Delta R.T. 0.01 min
 Lab File: BF104031.D
 Acq: 29 Mar 2018 00:40

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.4	17.9	26.9#
138	27.2	21.8	32.8

Manual Integrations
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