

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105037.D
 Acq On : 2 May 2018 18:02
 Operator : JU/SJ
 Sample : J2157-17 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-C

Manual Integrations
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Sohil
 5/3/2018 5:00:51 PM

Quant Time: May 03 11:04:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	90104	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	355388	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	152175	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	237513	20.00	ng	0.00
75) Chrysene-d12	14.02	240	186459	20.00	ng	-0.02
86) Perylene-d12	15.57	264	146186	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	294094	49.91	ng	0.00
7) Phenol-d6	6.43	99	349998	48.34	ng	-0.01
23) Nitrobenzene-d5	7.36	82	203569	37.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	74124	46.96	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	402232	41.76	ng	-0.01
78) Terphenyl-d14	12.91	244	307110	37.55	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.44	94	16430	2.139	ng	87
48) Acenaphthylene	9.69	152	106674	6.733	ng	98
49) Dimethylphthalate	9.55	163	38977	3.248	ng	100
51) Acenaphthene	9.86	154	25217	2.609	ng	95
57) Fluorene	10.38	166	54371	5.545	ng	99
70) Phenanthrene	11.35	178	362384	27.397	ng	98
71) Anthracene	11.40	178	150669	11.206	ng	99
74) Fluoranthene	12.54	202	539972	39.073	ng	97
77) Pyrene	12.77	202	768929	55.635	ng	99
80) Benzo(a)anthracene	14.00	228	379812	34.097	ng	94
82) Chrysene	14.04	228	358987	31.375	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	93964	9.667	ng	# 92
87) Benzo(b)fluoranthene	15.14	252	275055m	29.791	ng	
88) Benzo(k)fluoranthene	15.16	252	85131m	9.766	ng	
89) Benzo(a)pyrene	15.51	252	234751m	28.416	ng	
90) Dibenzo(a,h)anthracene	17.06	278	33192	4.892	ng	# 85
91) Benzo(a,h,i)perylene	17.51	276	103544	15.752	ng	91

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

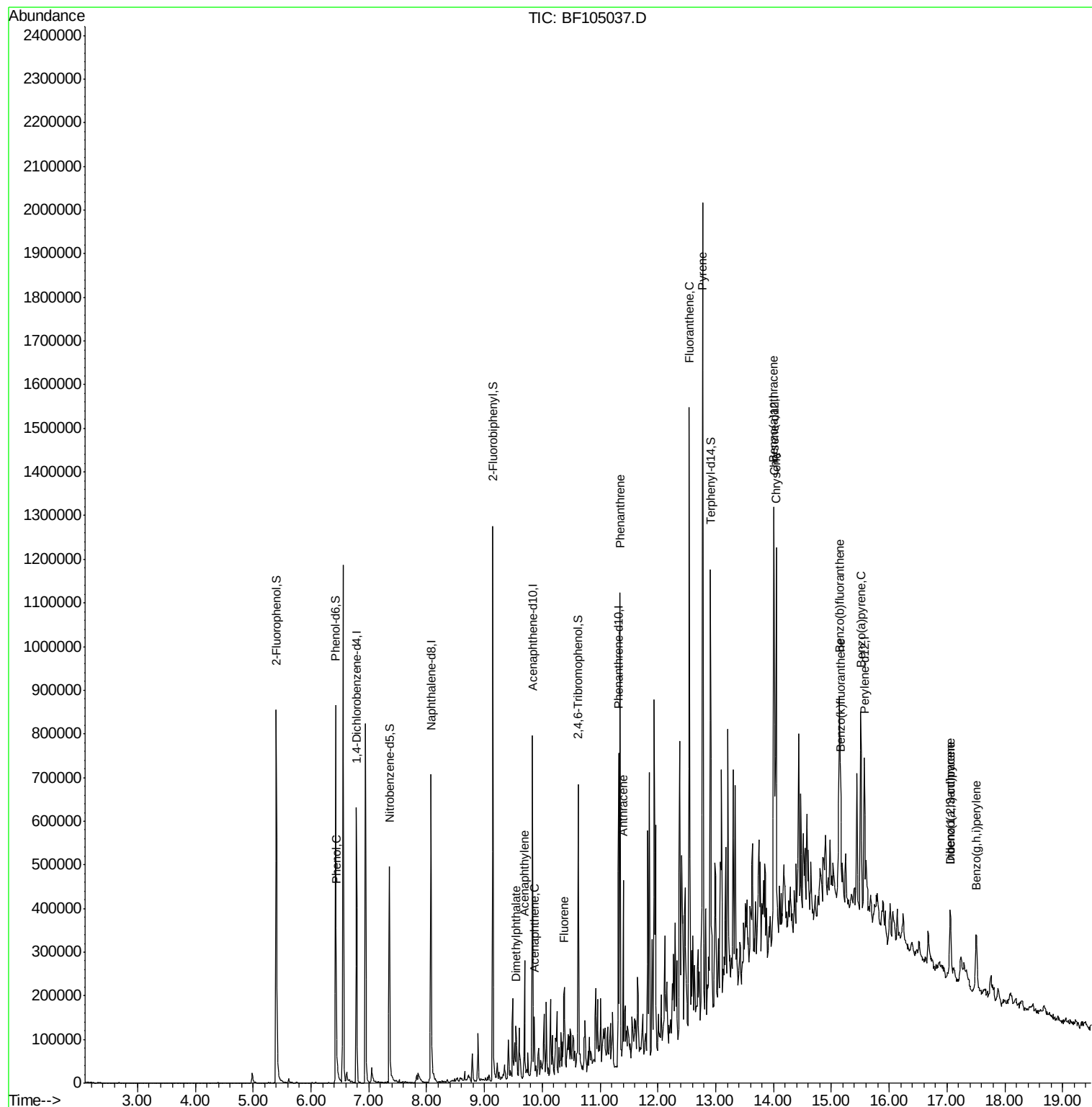
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
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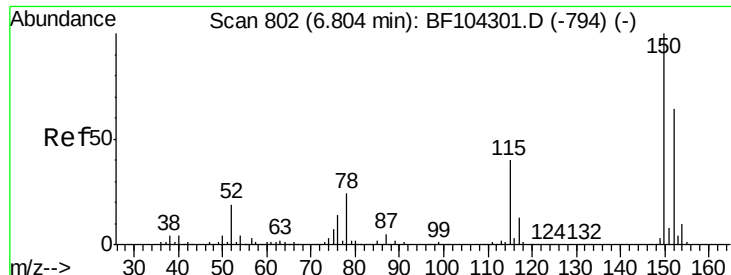
Instrument :
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ClientSampleId :
CL-02-043018-C

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Quant Time: May 03 11:04:33 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

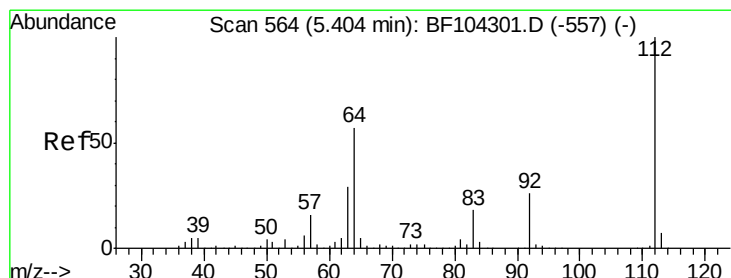
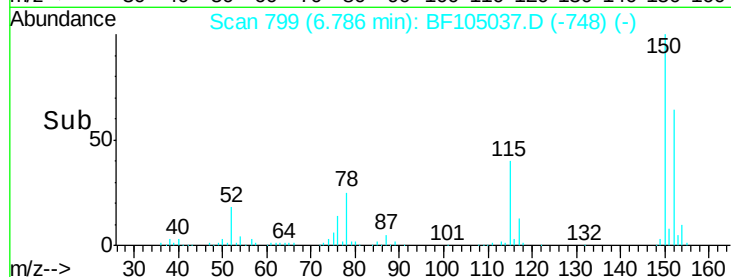
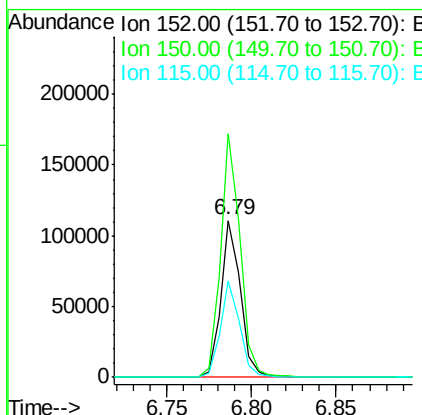
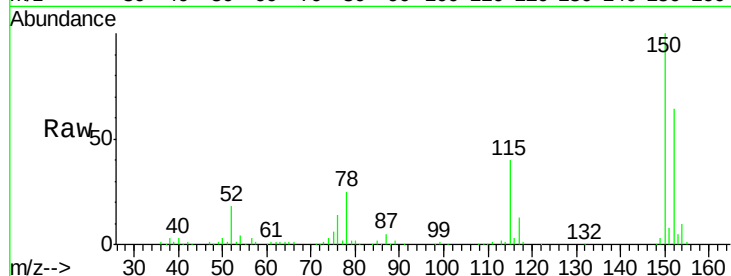
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	61.7	50.1	75.1

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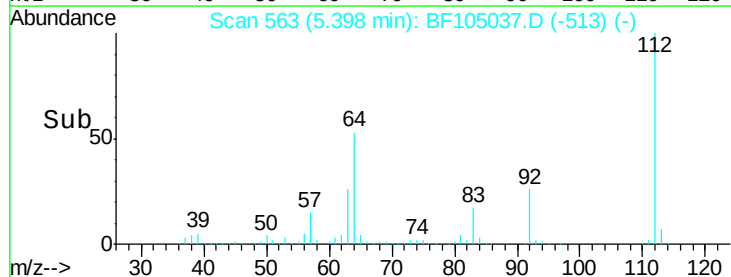
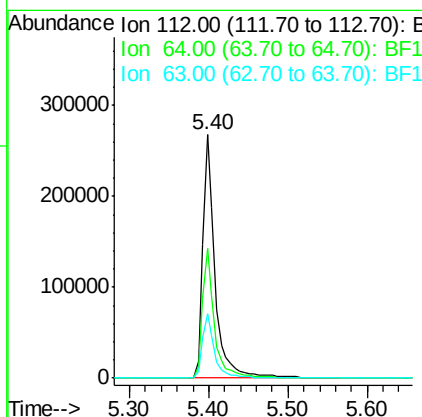
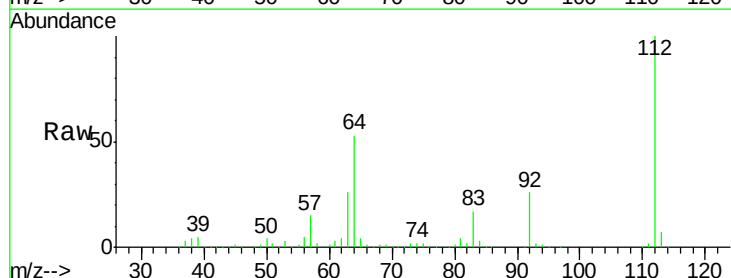
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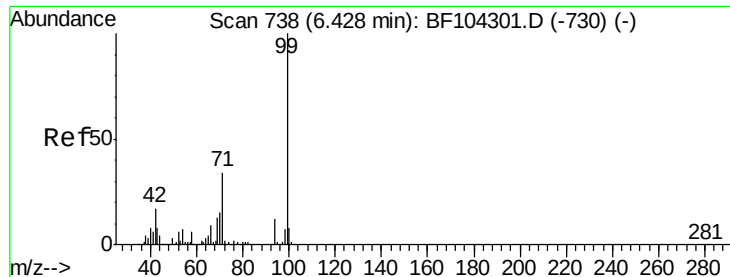


#5

2-Fluorophenol
Concen: 49.907 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 48.340 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Instrument :

BNA_F

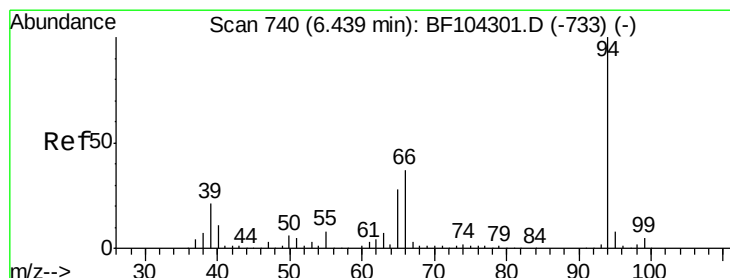
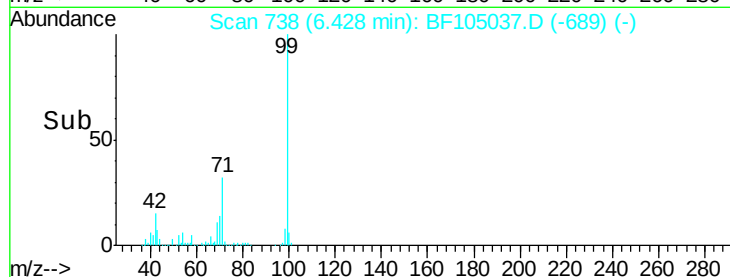
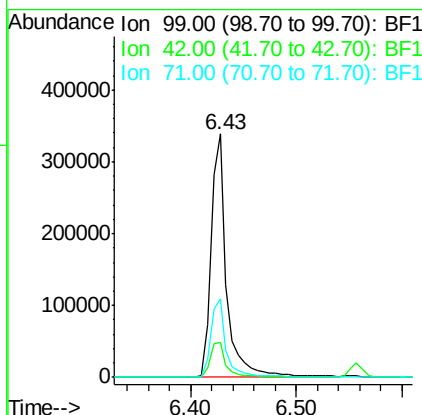
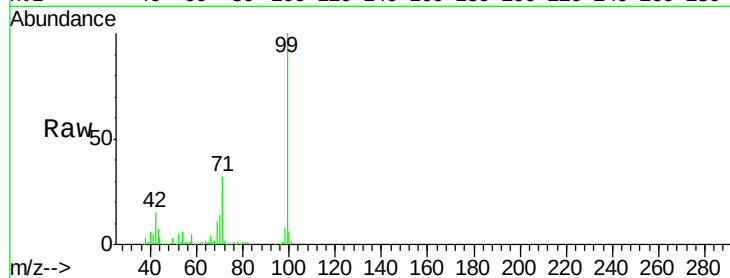
ClientSampleId :

CL-02-043018-C

Tot Ion:	99	Resp:	349998
Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7
71	32.4	25.4	38.0

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#10

Phenol

Concen: 2.139 ng

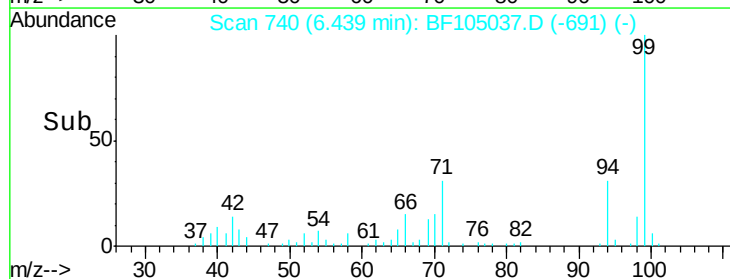
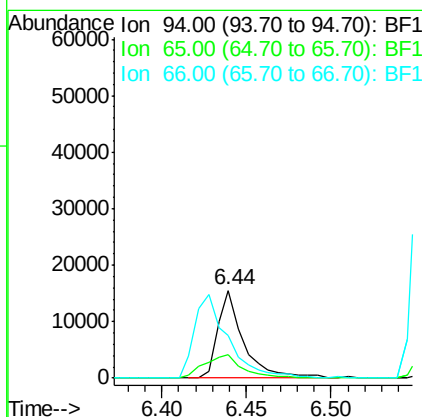
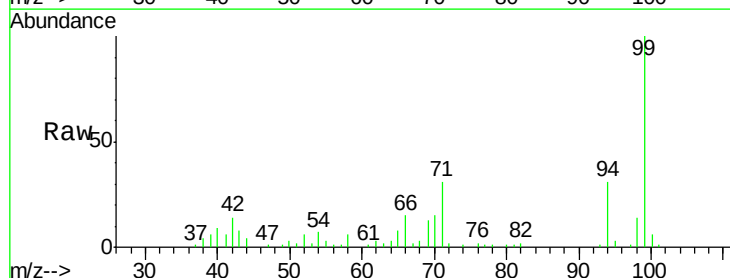
RT: 6.44 min Scan# 740

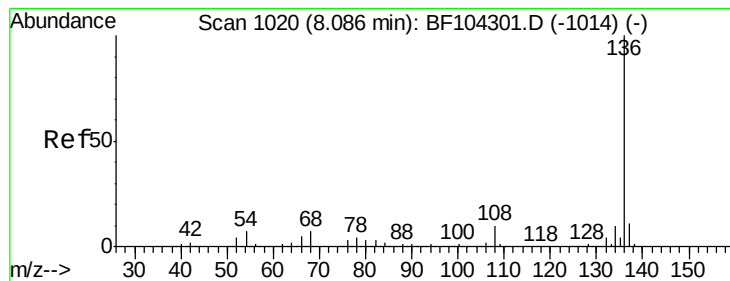
Delta R.T. -0.01 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Tgt Ion:	94	Resp:	16430
Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.9	47.9
66	48.1	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Instrument :

BNA_F

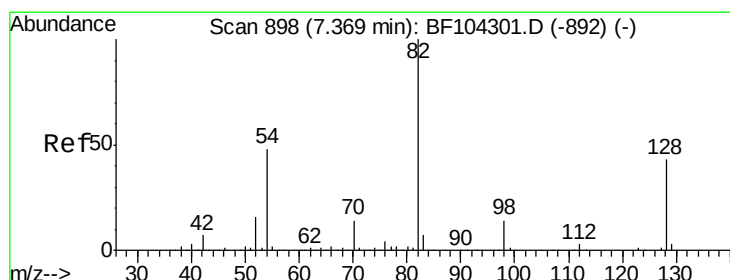
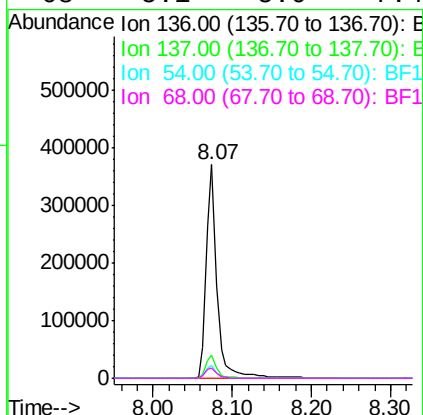
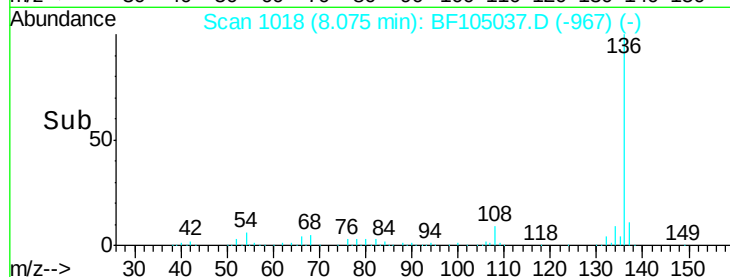
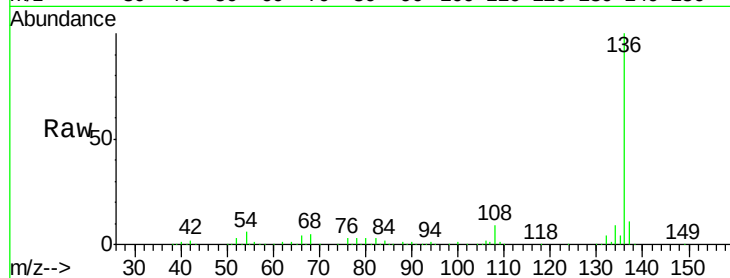
ClientSampleId :

CL-02-043018-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100	355388		
137	11.0	8.9	13.3	
54	5.8	6.6	9.8	
68	5.1	5.0	7.4	

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#23

Nitrobenzene-d5

Concen: 37.403 ng

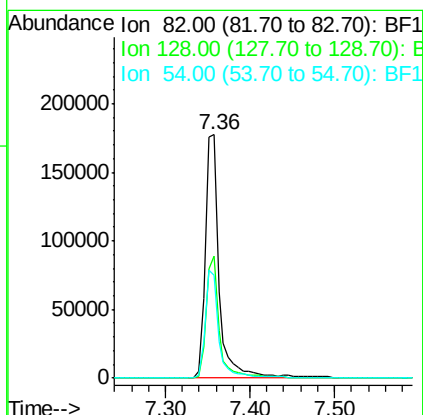
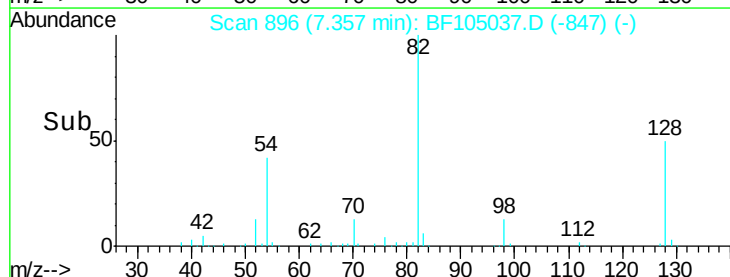
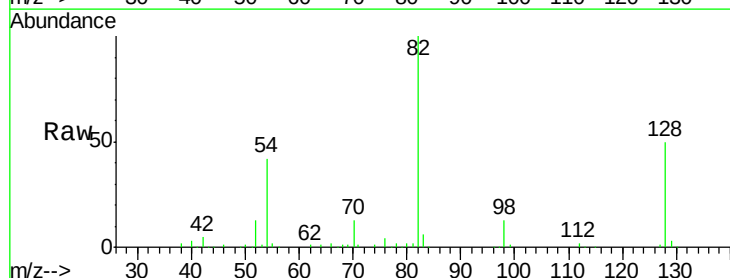
RT: 7.36 min Scan# 896

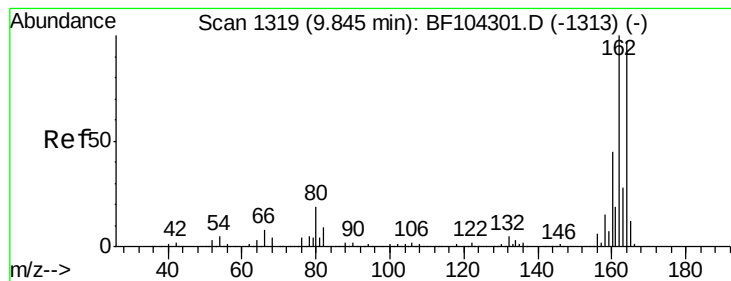
Delta R.T. -0.01 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	203569		
128	50.2	36.1	54.1	
54	42.1	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Instrument :

BNA_F

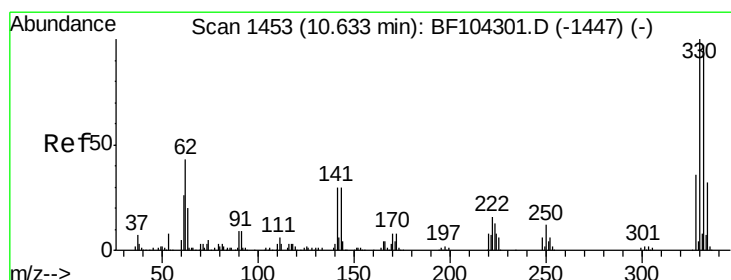
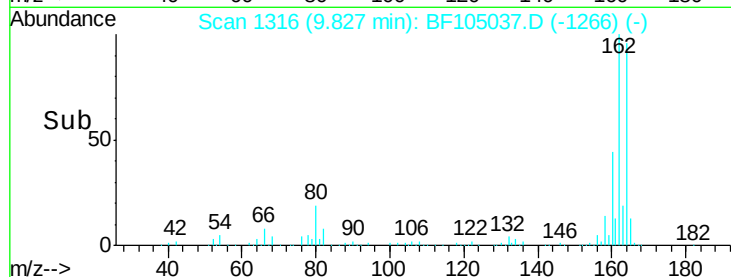
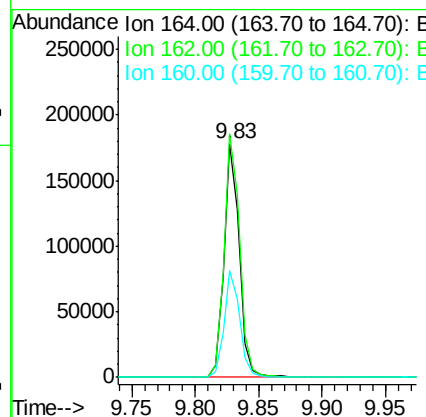
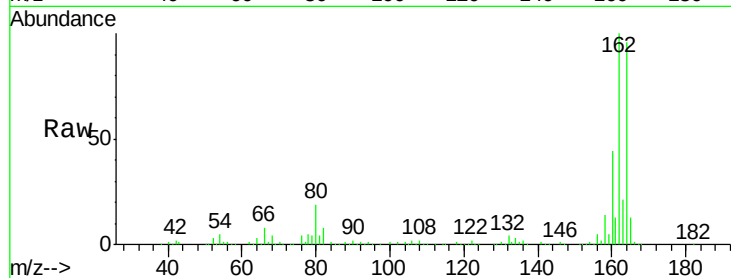
ClientSampleId :

CL-02-043018-C

Tot Ion:	164	Resp:	152175
Ion Ratio	Lower	Upper	
164	100		
162	104.1	86.1	129.1
160	45.3	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 46.957 ng

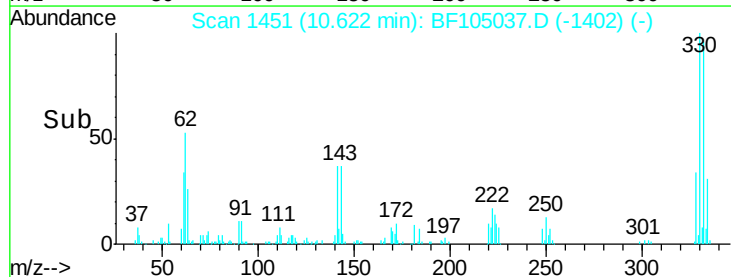
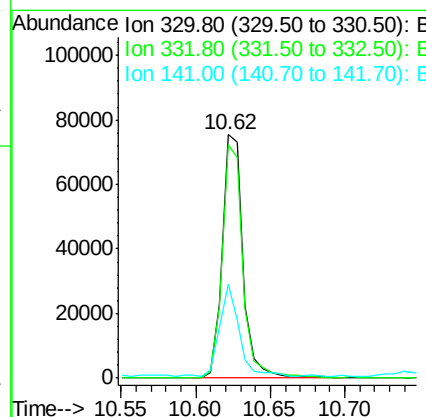
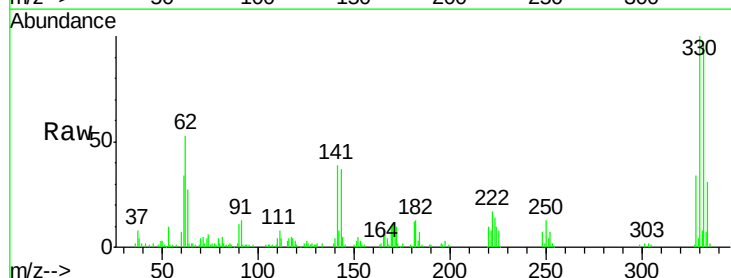
RT: 10.62 min Scan# 1451

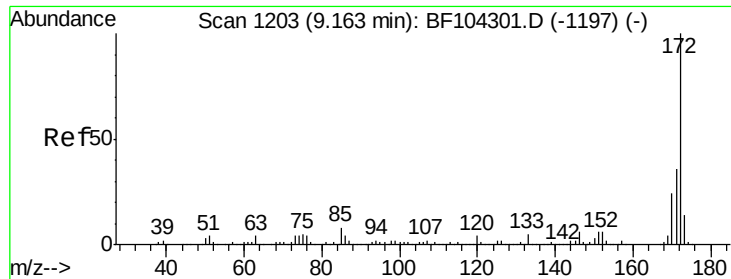
Delta R.T. -0.01 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Tgt Ion:	330	Resp:	74124
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.0	115.6
141	34.8	29.9	44.9





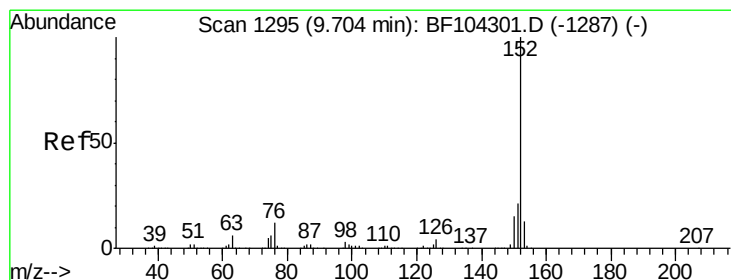
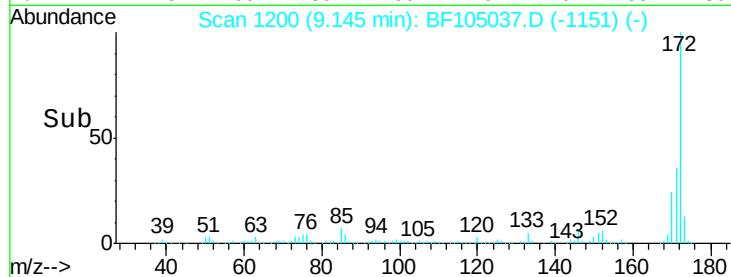
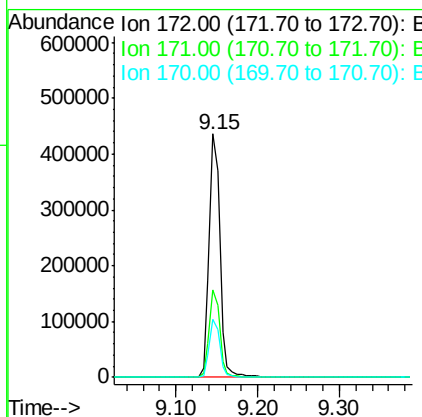
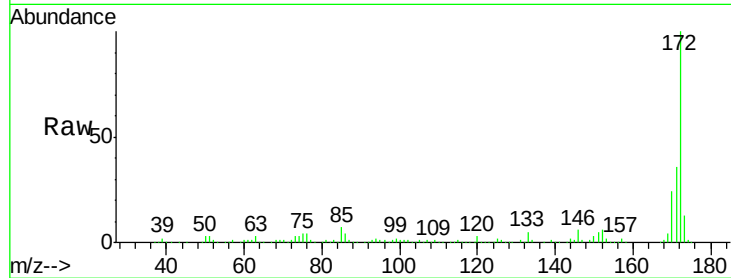
#44
2-Fluorobiphenyl
Concen: 41.756 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion	Ratio	Resp	Lower	Upper
172	100	402232		
171	35.7		29.7	44.5
170	23.6		19.6	29.4

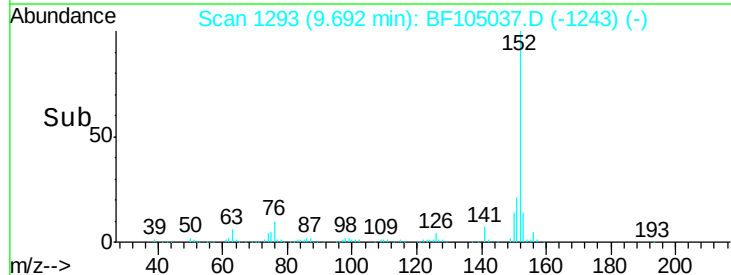
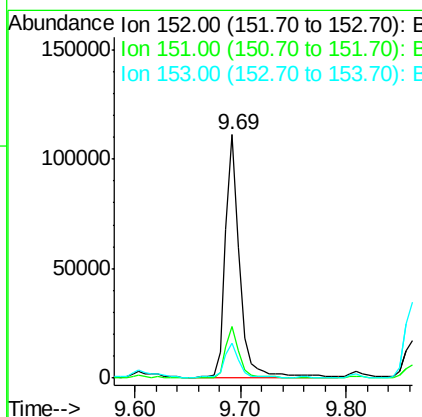
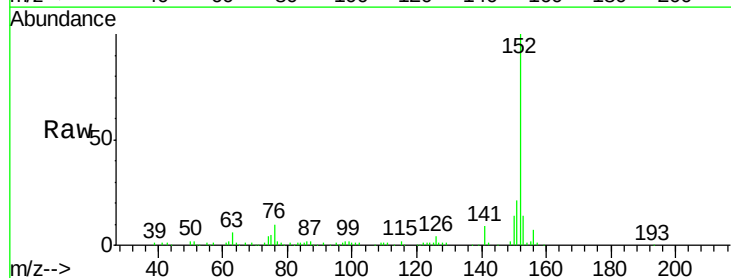
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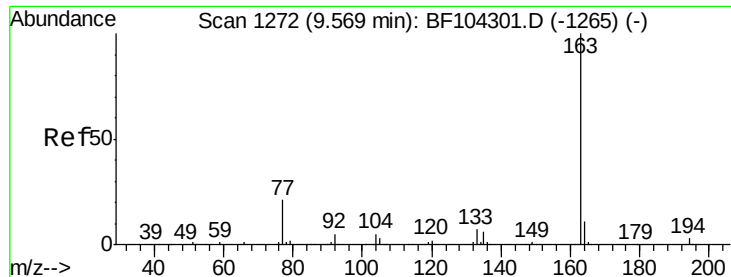
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#48
Acenaphthylene
Concen: 6.733 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	106674		
151	21.2		16.3	24.5
153	14.2		10.7	16.1





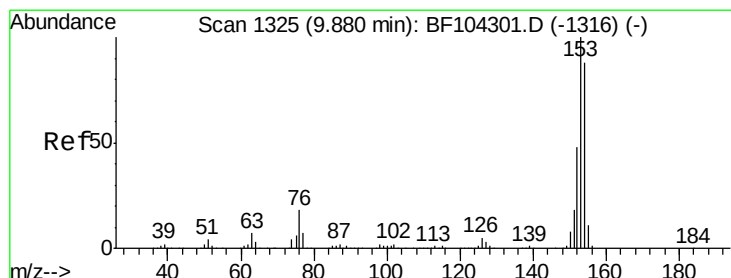
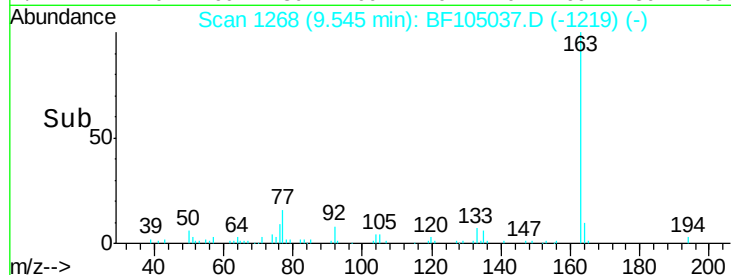
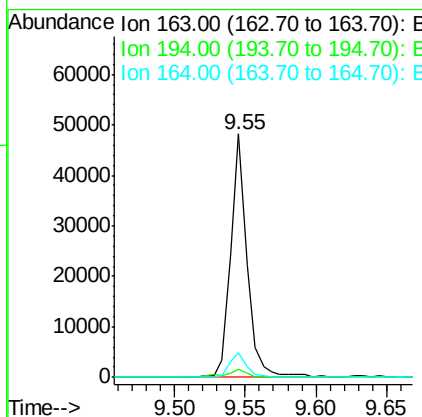
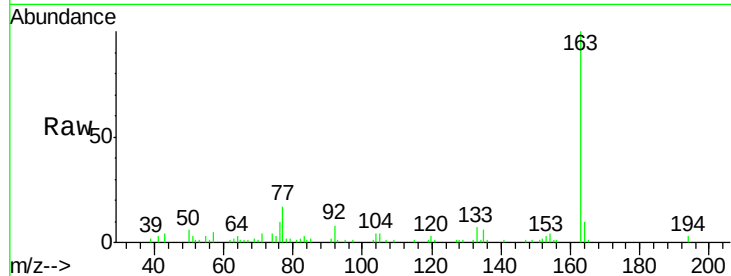
#49
Dimethylphthalate
Concen: 3.248 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	38977		
194	3.4		2.7	4.1
164	10.2		8.2	12.2

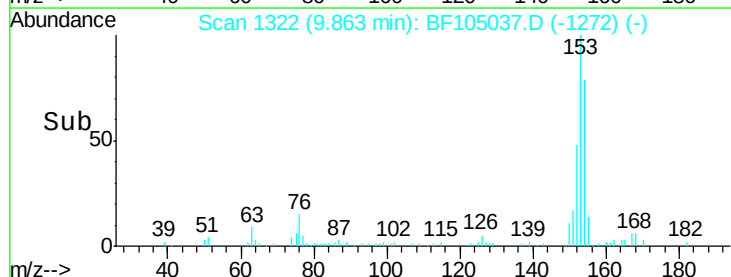
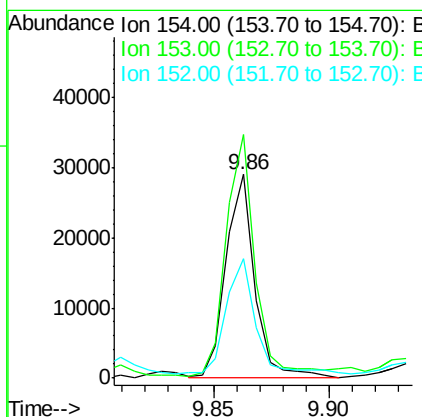
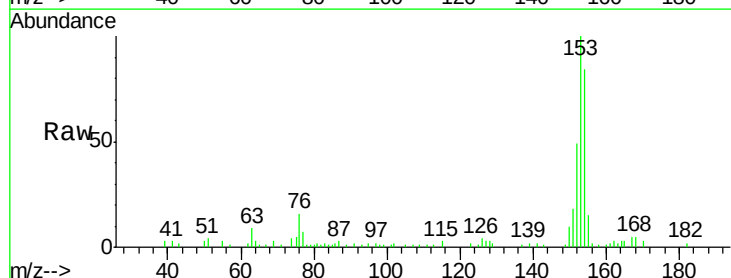
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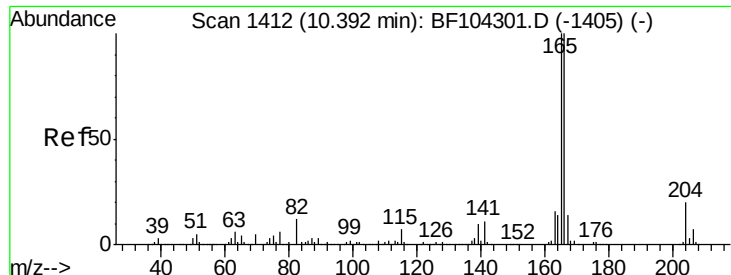
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#51
Acenaphthene
Concen: 2.609 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	25217		
153	119.6		91.2	136.8
152	58.7		43.8	65.8





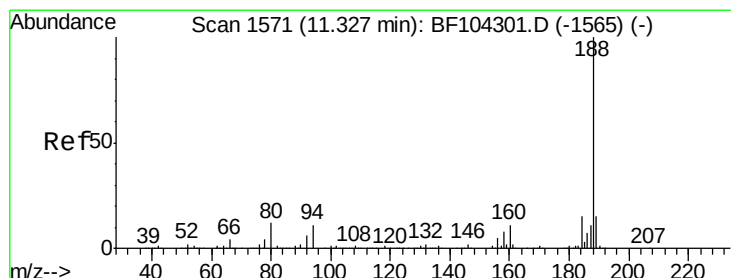
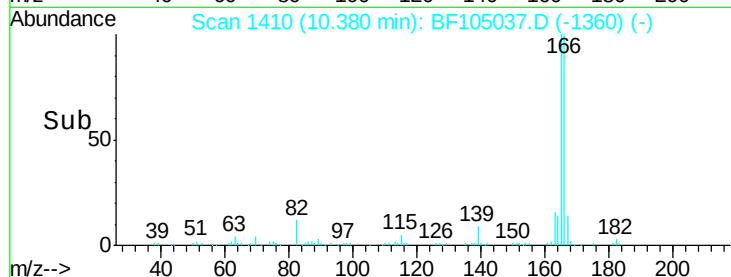
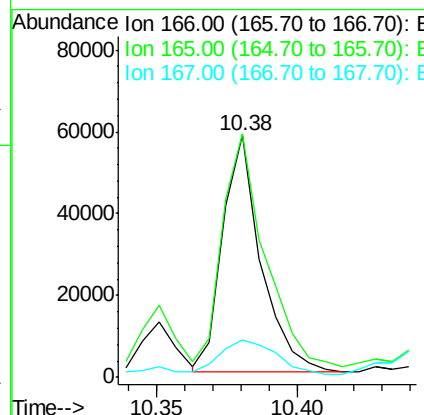
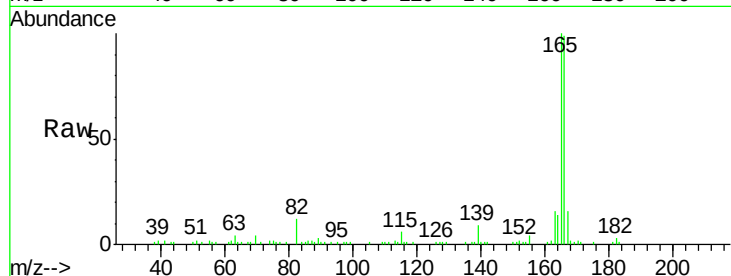
#57
Fluorene
 Concen: 5.545 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF105037.D
 Acq: 2 May 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.8	119.8
167	15.6	10.6	16.0

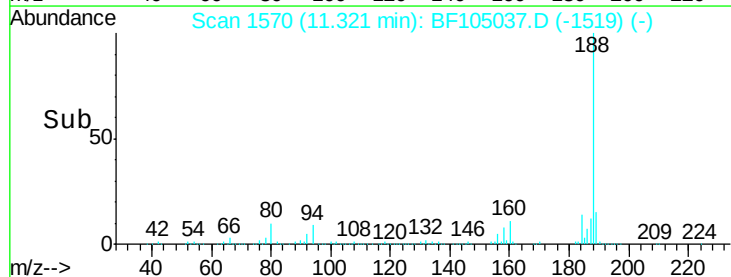
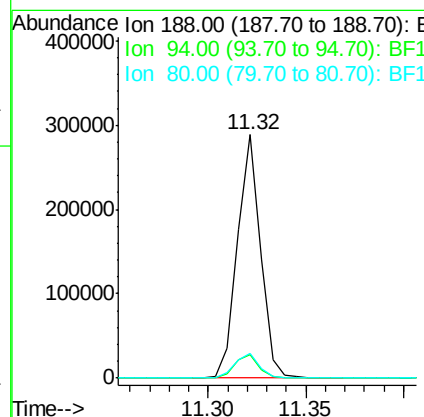
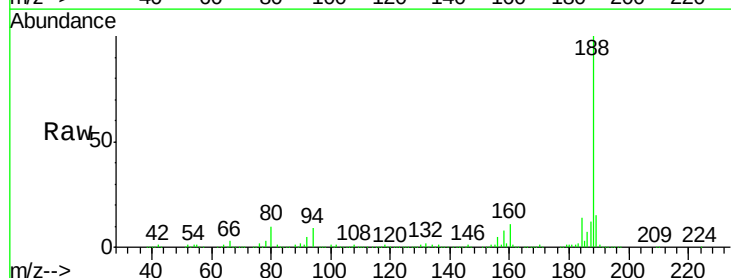
Manual Integrations
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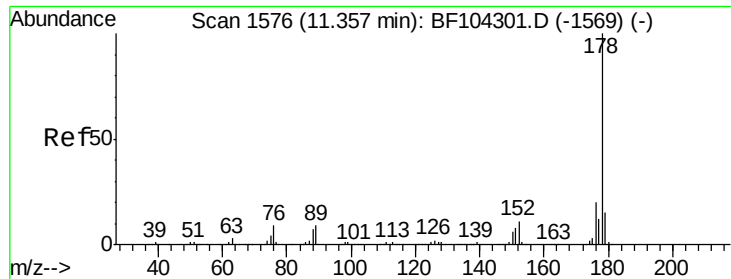
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 5/3/2018 5:00:51 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105037.D
 Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.2	9.2	13.8





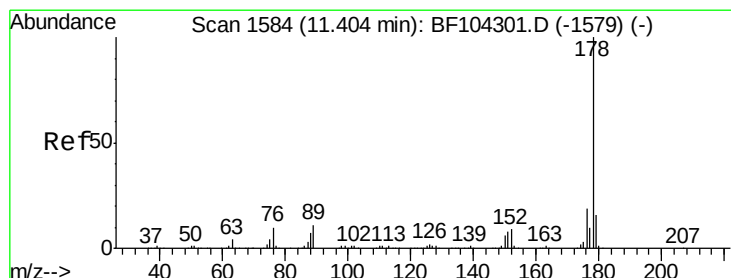
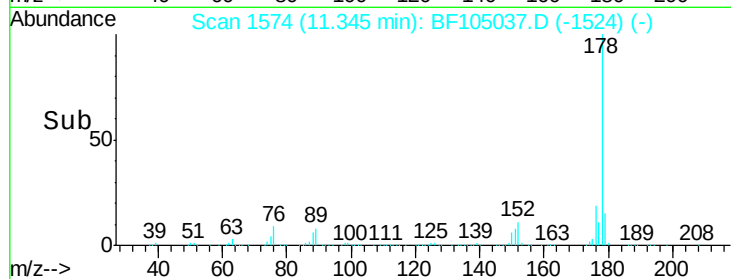
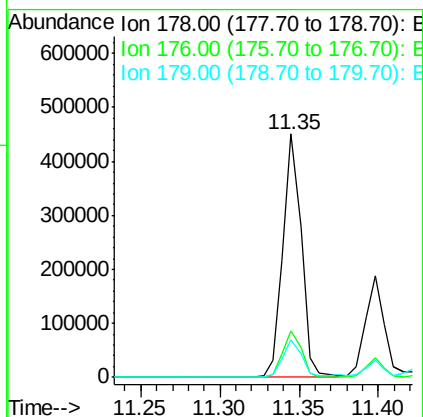
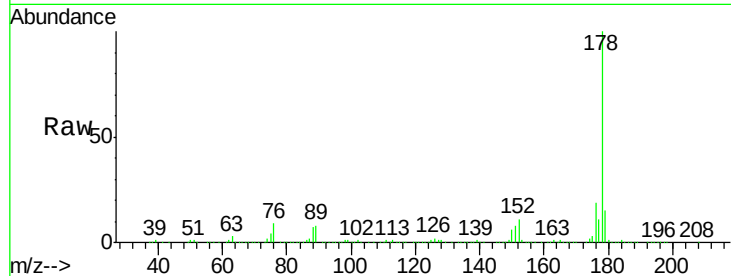
#70
Phenanthrene
Concen: 27.397 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		362384		
176	19.2	15.8	23.8		
179	15.5	13.0	19.6		

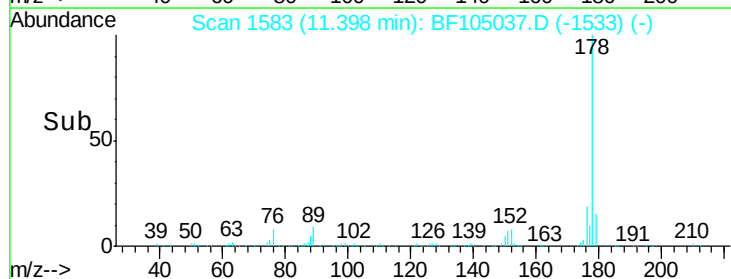
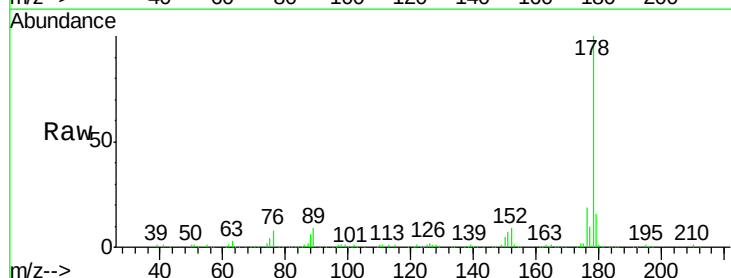
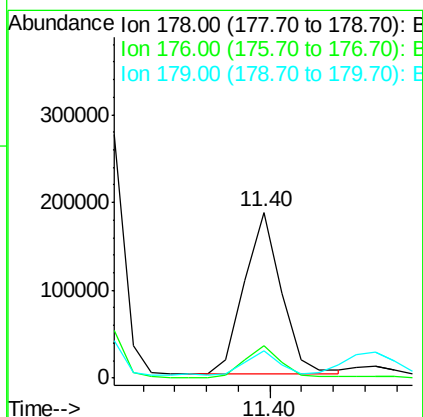
Manual Integrations
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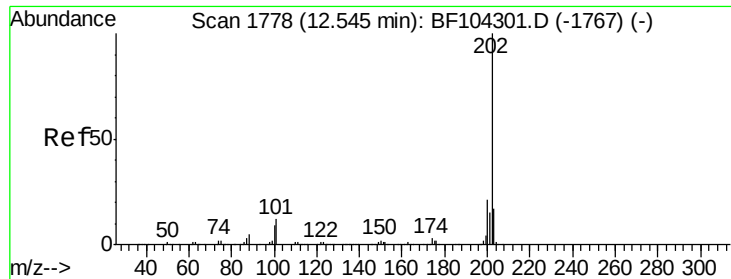
Sohil
5/3/2018 5:00:51 PM



#71
Anthracene
Concen: 11.206 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		150669		
176	19.3	15.4	23.2		
179	16.4	12.6	19.0		





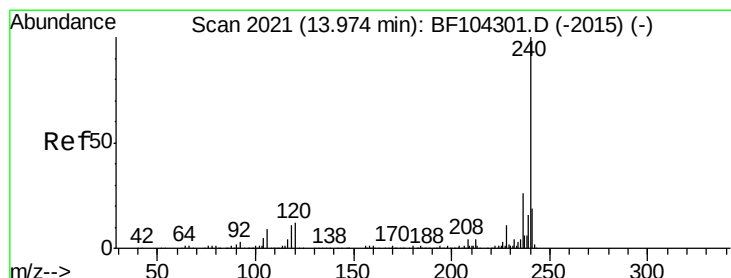
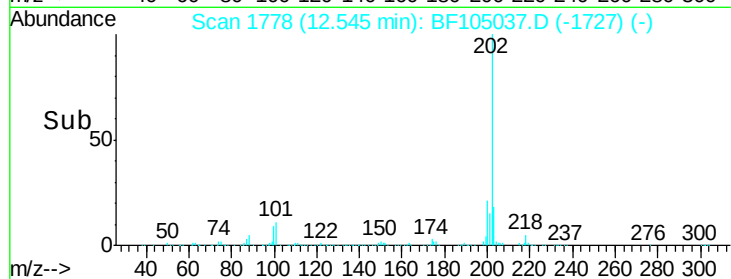
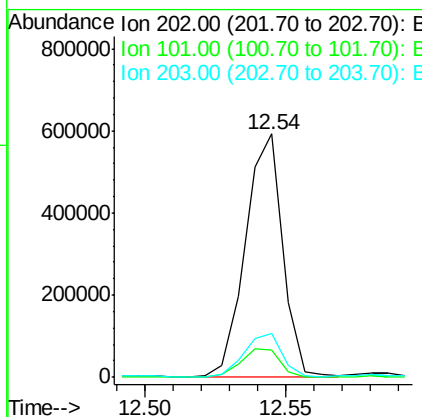
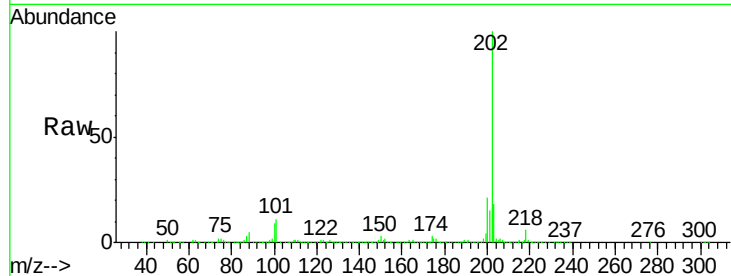
#74
 Fluoranthene
 Concen: 39.073 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BF105037.D
 Acq: 2 May 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	539972		
101	11.3	0.0	34.1	
203	18.2	0.0	38.1	

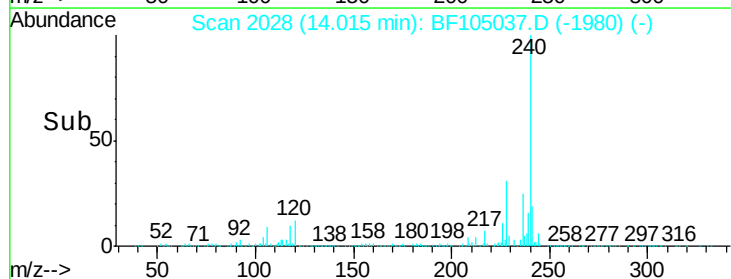
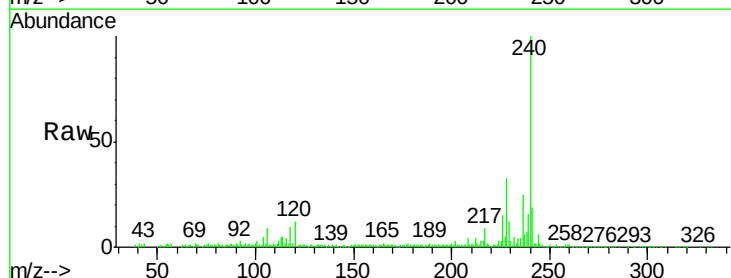
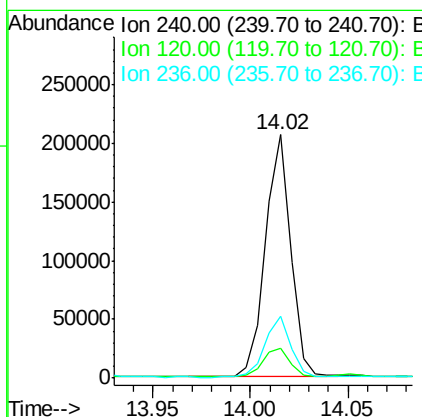
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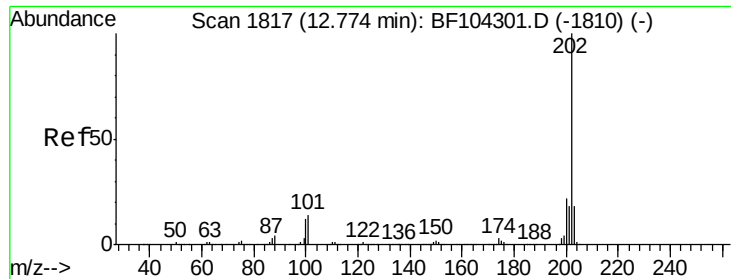
Sohil
 5/3/2018 5:00:51 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF105037.D
 Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	186459		
120	12.4	9.5	14.3	
236	25.4	20.7	31.1	





#77

Pvrene

Concen: 55.635 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Instrument :

BNA_F

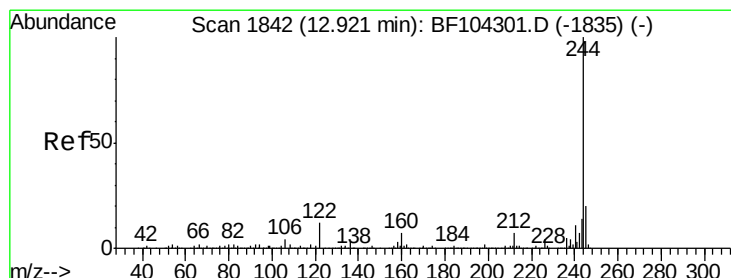
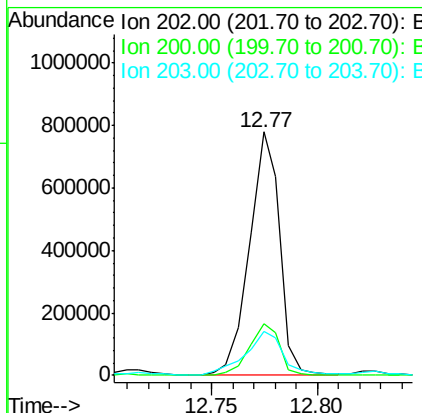
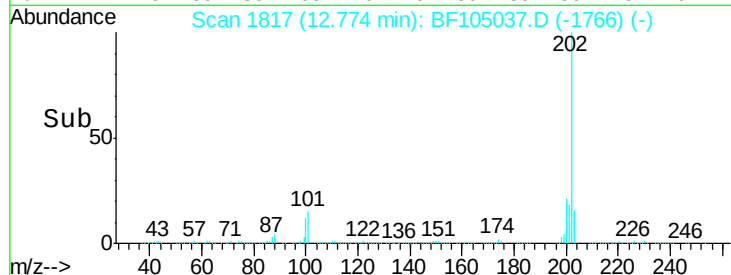
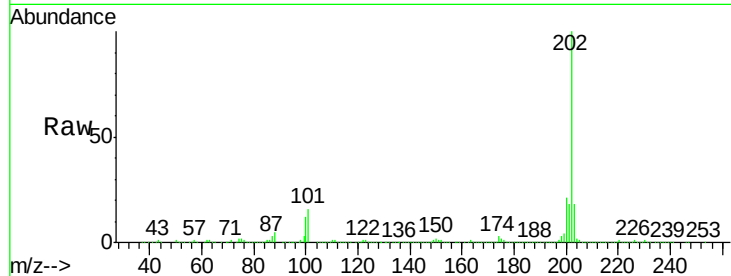
ClientSampleId :

CL-02-043018-C

Tot Ion:	202	Resp:	768929
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 37.550 ng

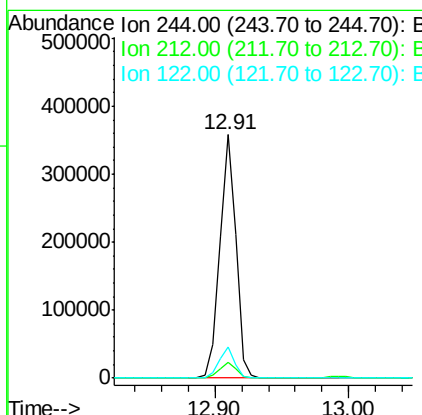
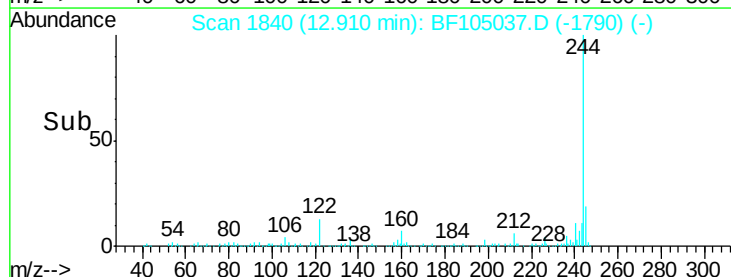
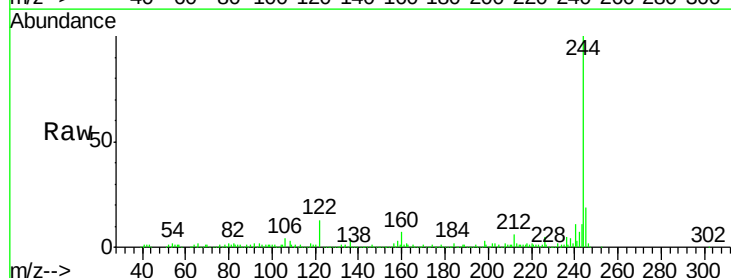
RT: 12.91 min Scan# 1840

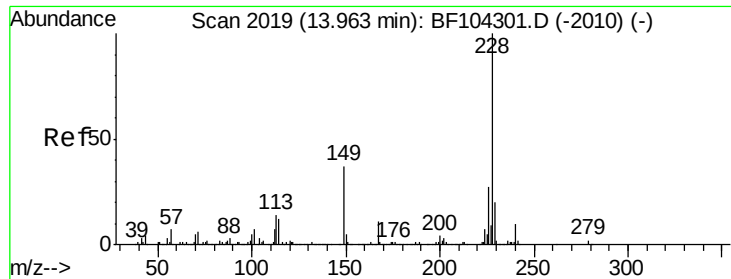
Delta R.T. -0.01 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Tgt Ion:	244	Resp:	307110
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	12.6	11.0	16.4





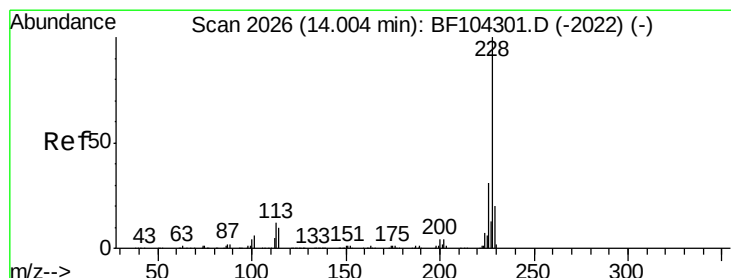
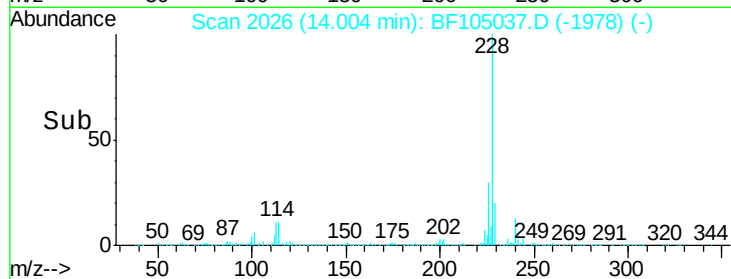
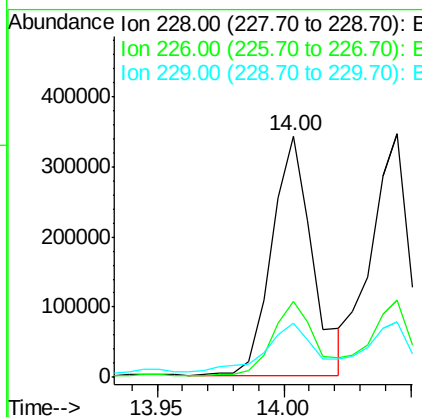
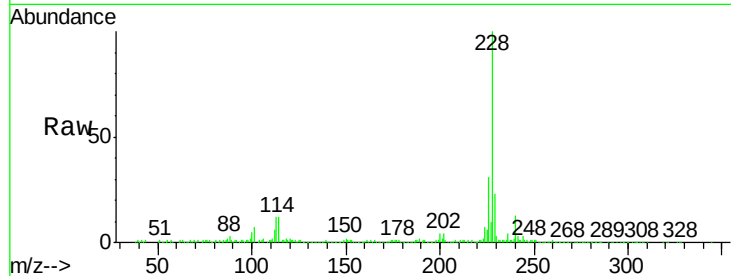
#80
Benzo(a)anthracene
Concen: 34.097 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	22.7	15.8	23.6

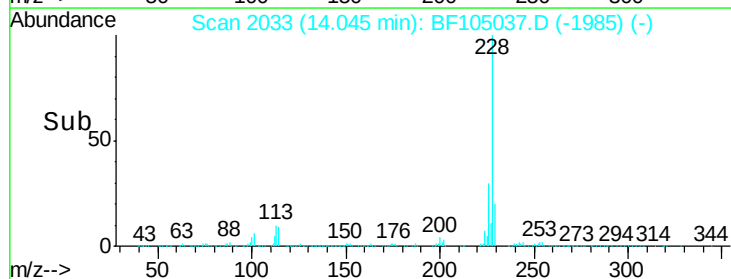
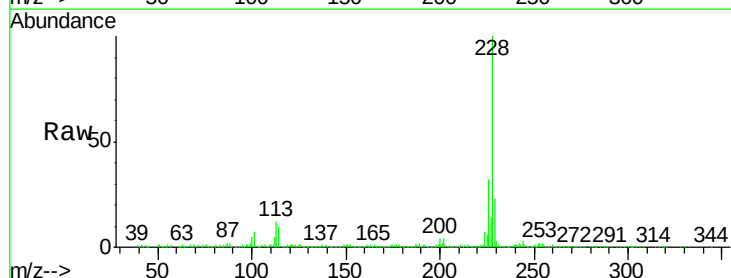
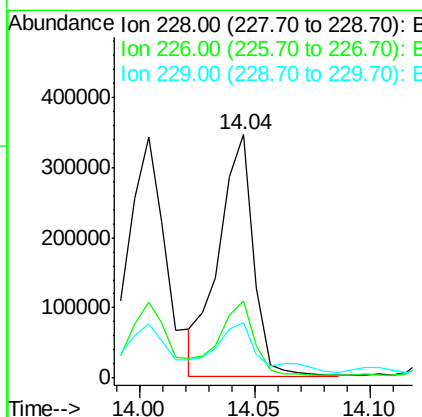
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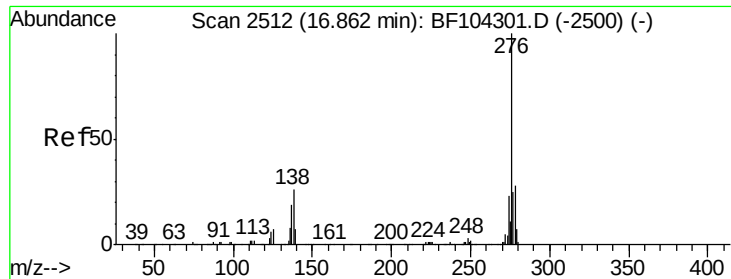
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#82
Chrysene
Concen: 31.375 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.6	16.2	24.4





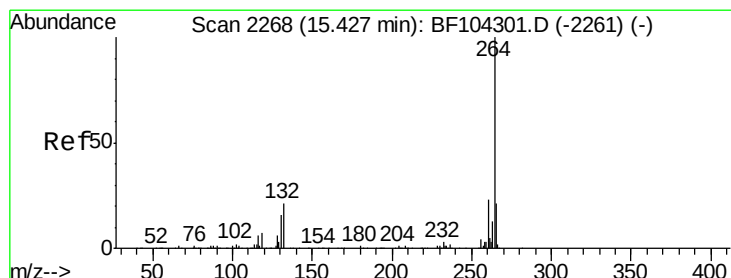
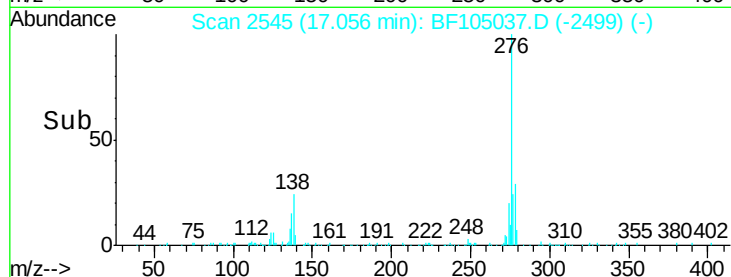
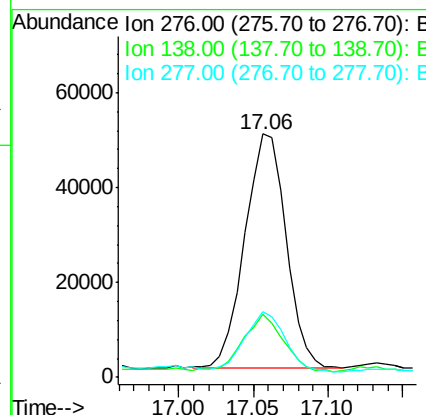
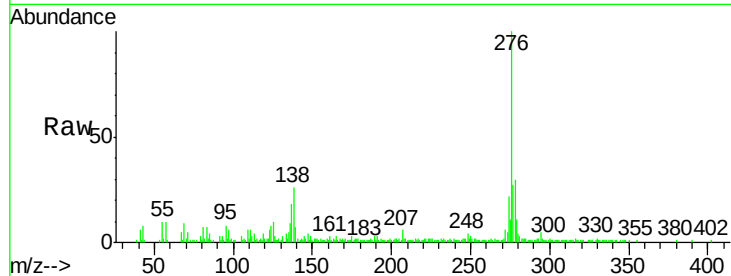
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.667 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	25.8	20.1	30.1

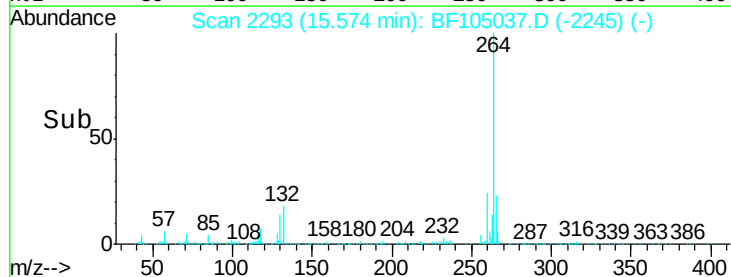
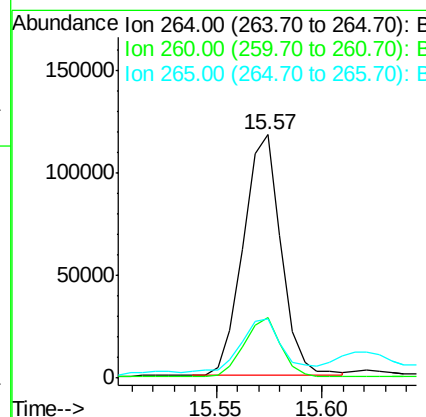
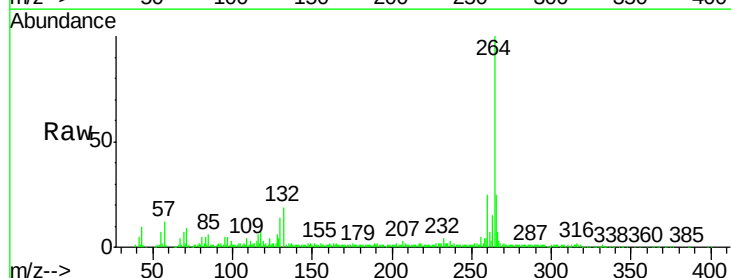
Manual Integrations
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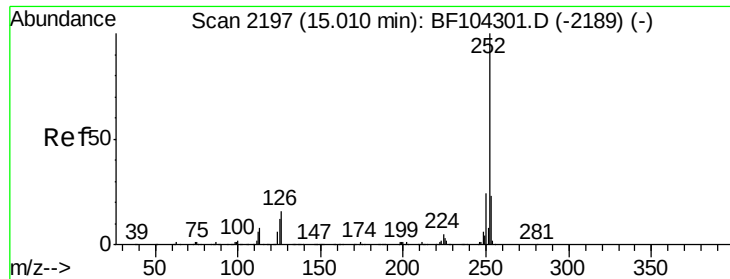
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.02 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	24.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 29.791 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Instrument :

BNA_F

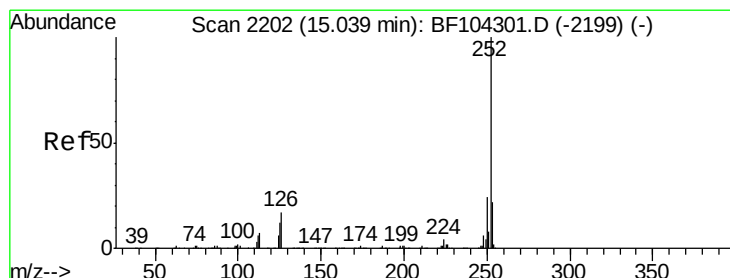
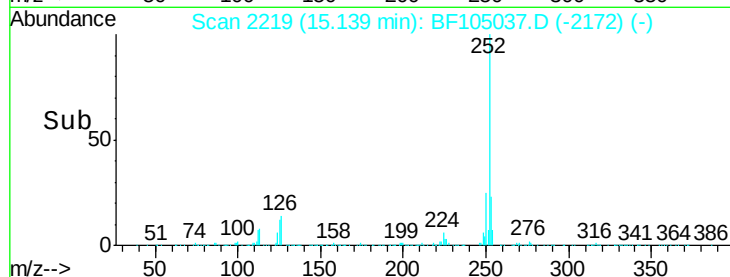
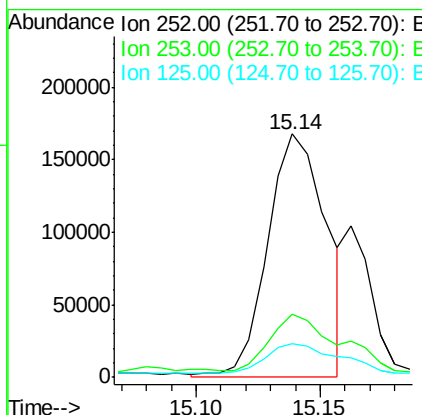
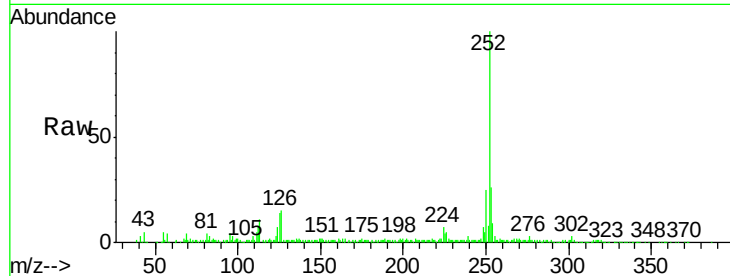
ClientSampleId :

CL-02-043018-C

Tot Ion:	252	Resp:	275055
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.0	25.6#
125	13.9	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 9.766 ng m

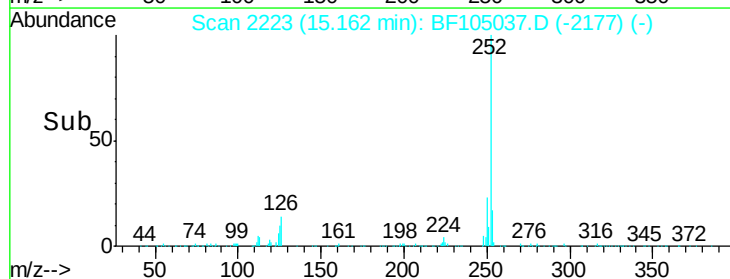
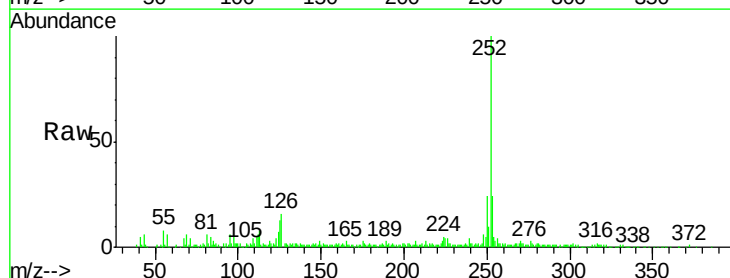
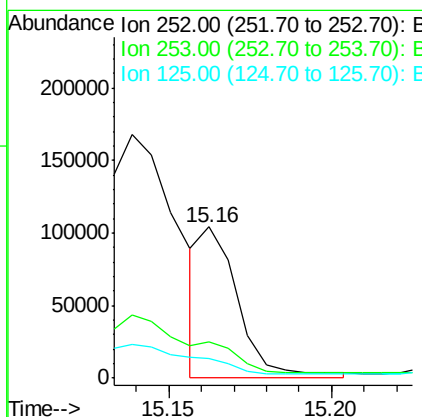
RT: 15.16 min Scan# 2223

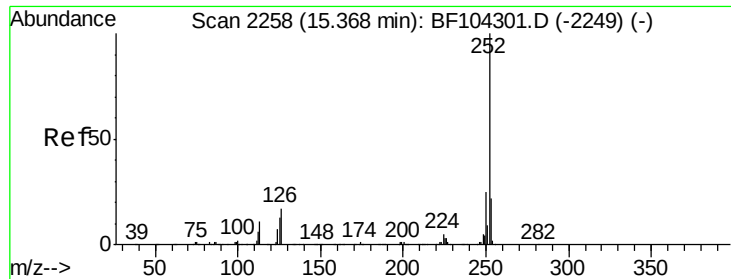
Delta R.T. -0.03 min

Lab File: BF105037.D

Acq: 2 May 2018 18:02

Tgt Ion:	252	Resp:	85131
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	12.8	10.2	15.2





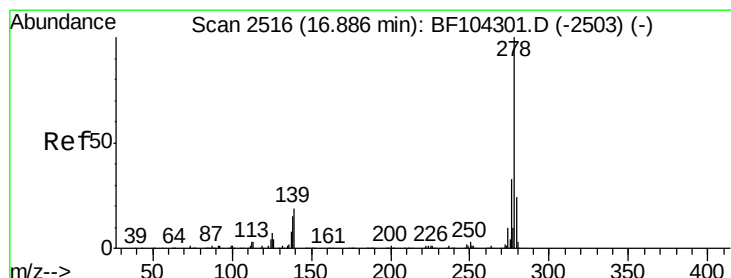
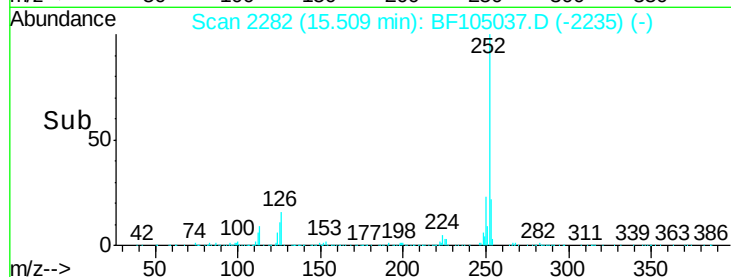
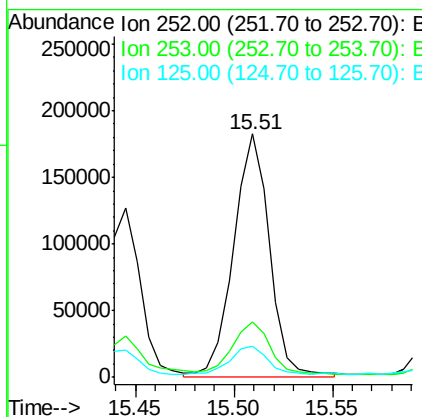
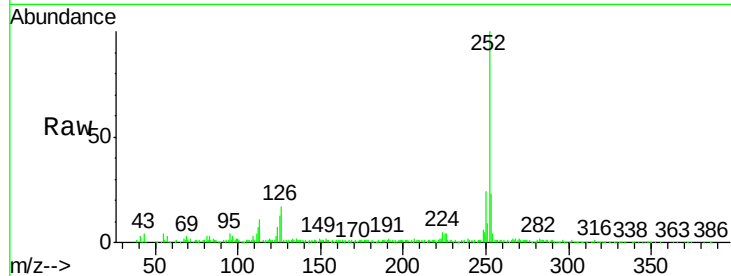
#89
Benzo(a)pyrene
Concen: 28.416 ng/mL
RT: 15.51 min Scan# 2282
Delta R.T. -0.02 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-C

Tot Ion:	252	Resp:	234751
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	13.0	9.8	14.6

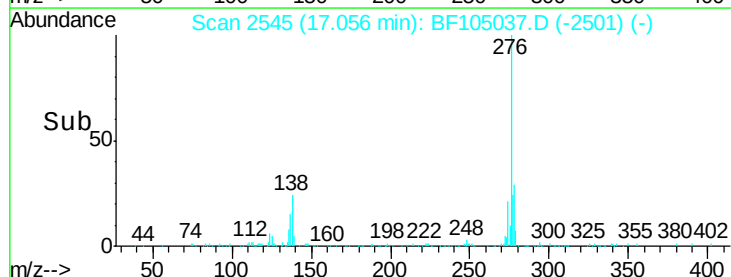
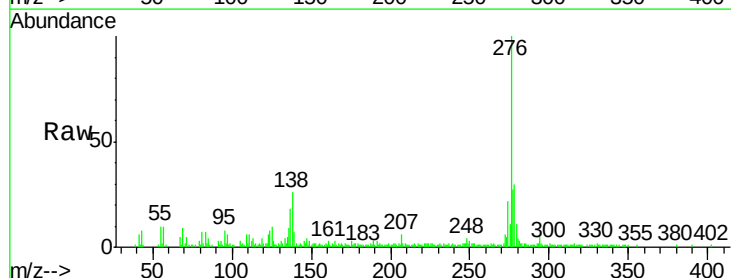
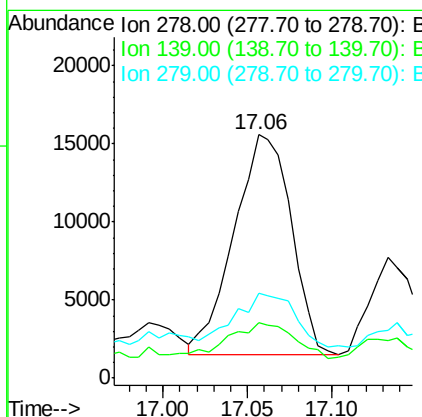
Manual Integrations
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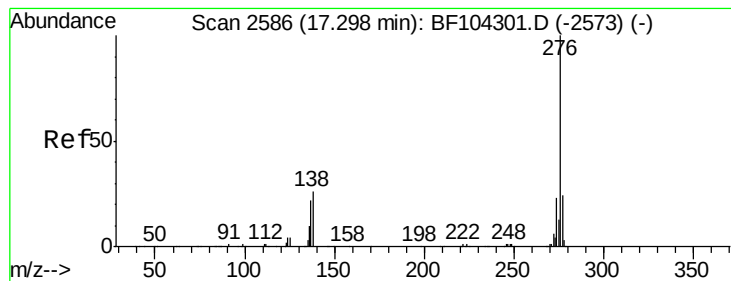
Sohil
5/3/2018 5:00:51 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.892 ng/mL
RT: 17.06 min Scan# 2545
Delta R.T. -0.04 min
Lab File: BF105037.D
Acq: 2 May 2018 18:02

Tgt Ion:	278	Resp:	33192
Ion Ratio	Lower	Upper	
278	100		
139	23.0	15.9	23.9
279	34.9	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 15.752 ng

RT: 17.51 min Scan# 2622

Delta R.T. -0.02 min

Lab File: BF105037.D

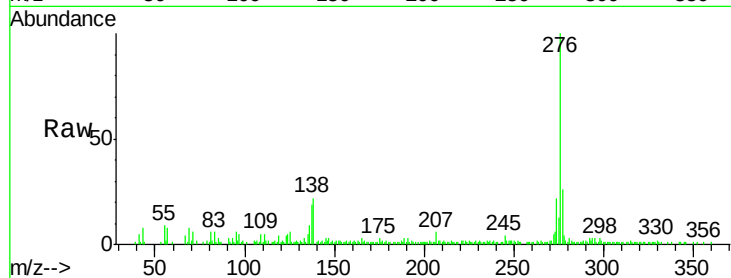
Acq: 2 May 2018 18:02

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-C



Tot Ion:	276	Resp:	103544
Ion Ratio		Lower	Upper
276	100		
277	25.8	17.9	26.9
138	22.2	21.8	32.8

Manual Integrations
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