

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100421\
 Data File : BN016737.D
 Acq On : 05 Oct 2021 08:48
 Operator : CG/JU
 Sample : M3892-20DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-3-3.5-092221DL

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Quant Time: Oct 05 10:20:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 04 17:52:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.643	152	30318	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	138435	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	75612	0.40	ng	0.00
19) Phenanthrene-d10	17.030	188	147522	0.40	ng	0.00
29) Chrysene-d12	21.238	240	146218	0.40	ng	0.00
35) Perylene-d12	23.495	264	173908	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.264	112	1681	0.02	ng	0.00
5) Phenol-d6	6.822	99	1630	0.02	ng	0.00
8) Nitrobenzene-d5	8.785	82	1349	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	4394	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	665	0.13	ng	-0.01
15) 2-Fluorobiphenyl	12.899	172	5587	0.02	ng	0.00
27) Fluoranthene-d10	19.068	212	8632	0.02	ng	0.00
31) Terphenyl-d14	19.679	244	8794	0.03	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	31305	0.08	ng	99
12) 2-Methylnaphthalene	12.078	142	18720	0.08	ng	100
17) Acenaphthene	14.332	154	160392	0.73	ng	100
18) Fluorene	15.322	166	238471	0.90	ng	99
25) Phenanthrene	17.066	178	2976265	6.86	ng	100
26) Anthracene	17.152	178	808280	2.09	ng	99
28) Fluoranthene	19.098	202	4356336	9.05	ng	99
30) Pyrene	19.465	202	3689261	7.67	ng	# 92
32) Benzo(a)anthracene	21.217	228	2143360	4.73	ng	99
33) Chrysene	21.270	228	1639410	3.56	ng	97
34) Bis(2-ethylhexyl)phtha...	21.174	149	33384	0.12	ng	99
36) Indeno(1,2,3-cd)pyrene	25.778	276	1201620	2.18	ng	97
37) Benzo(b)fluoranthene	22.821	252	2415111	4.29	ng	98
38) Benzo(k)fluoranthene	22.858	252	891522m	1.65	ng	
39) Benzo(a)pyrene	23.396	252	1829374	3.64	ng	99
40) Dibenzo(a,h)anthracene	25.788	278	284832	0.65	ng	# 93
41) Benzo(g,h,i)perylene	26.476	276	1244298	2.54	ng	99

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

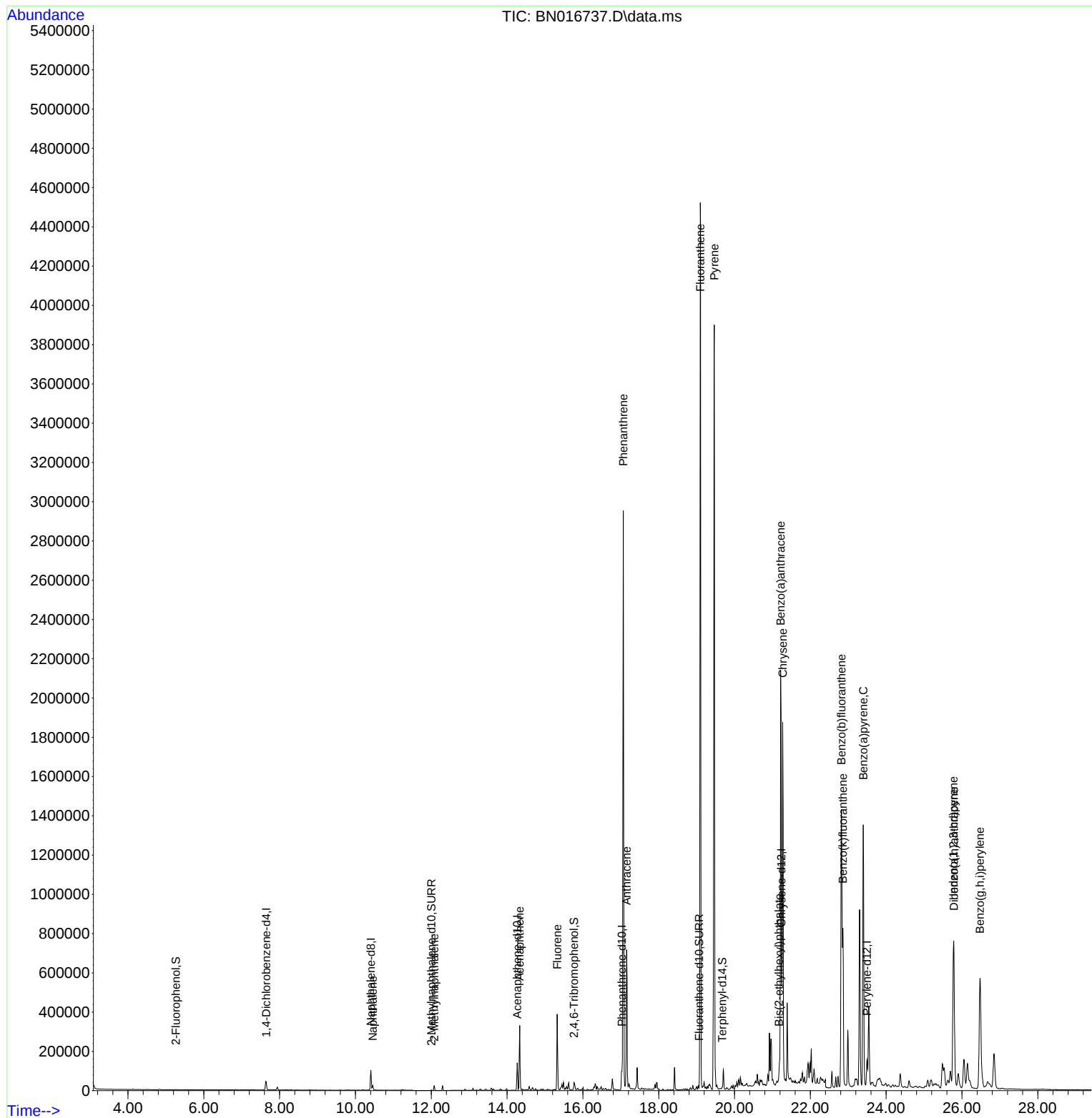
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Data File : BN016737.D
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Operator : CG/JU
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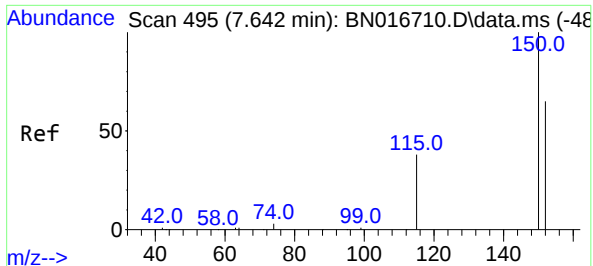
Instrument :
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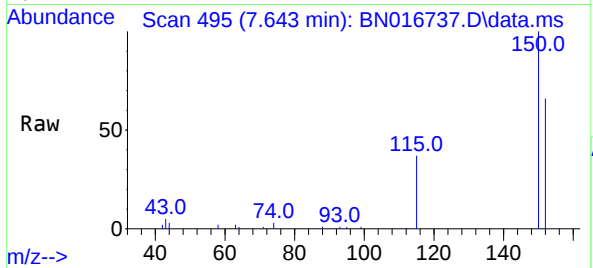
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Quant Time: Oct 05 10:20:39 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 04 17:52:33 2021
Response via : Initial Calibration

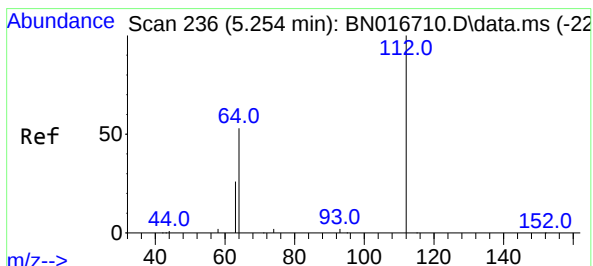
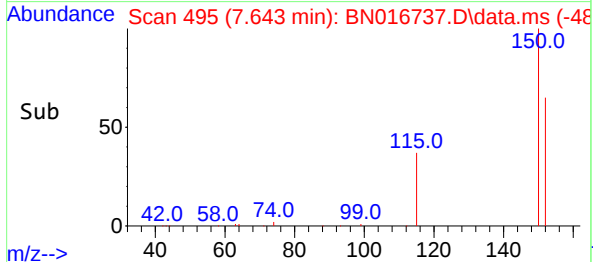
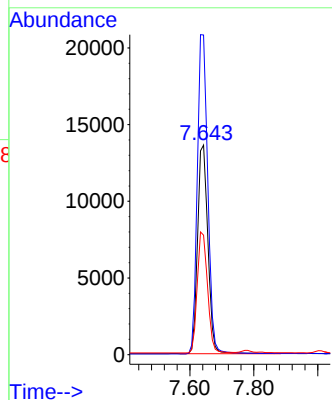




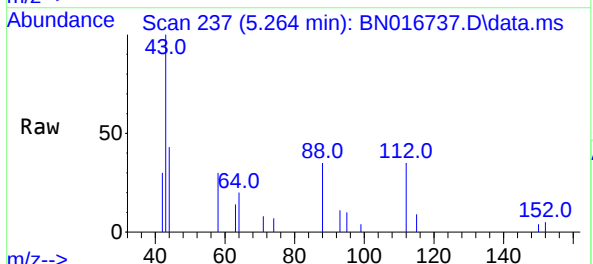
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



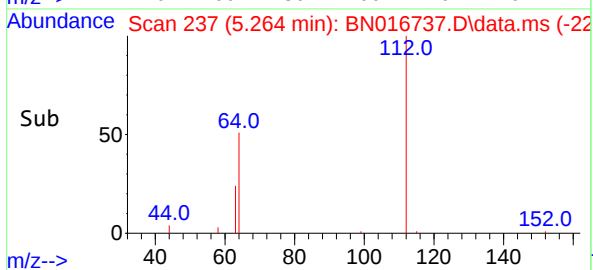
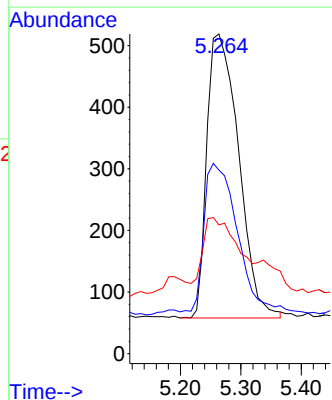
Tgt Ion:152 Resp: 30318
Ion Ratio Lower Upper
152 100
150 152.4 123.3 184.9
115 57.0 47.0 70.6



#4
2-Fluorophenol
Concen: 0.02 ng
RT: 5.264 min Scan# 237
Delta R.T. 0.010 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



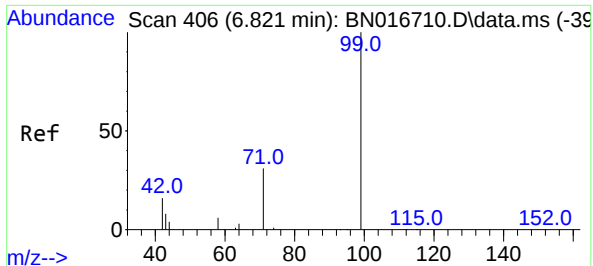
Tgt Ion:112 Resp: 1681
Ion Ratio Lower Upper
112 100
64 53.6 42.9 64.3
63 29.1 21.5 32.3



Instrument :
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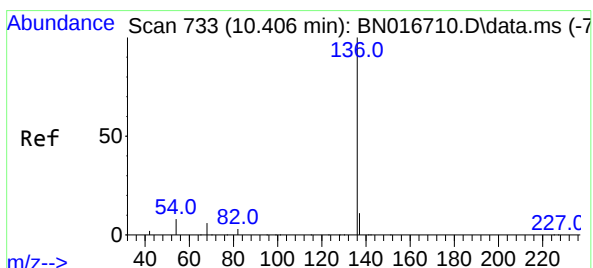
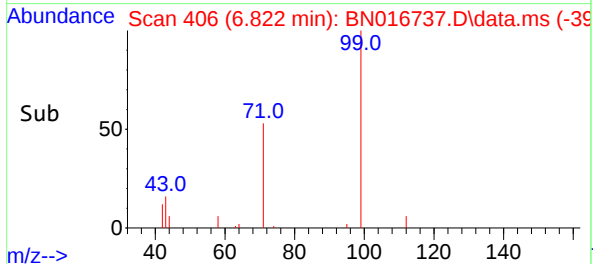
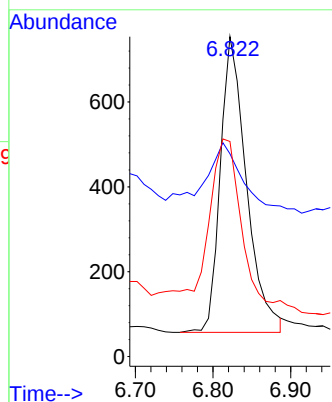
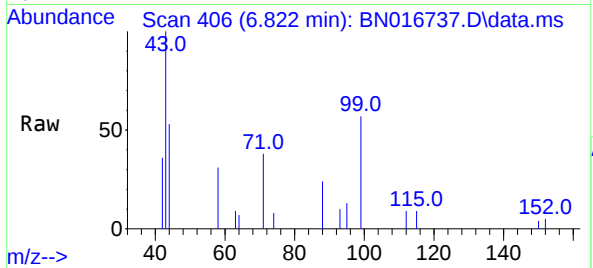
#5
Phenol-d6
Concen: 0.02 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion: 99 Resp: 1630
Ion Ratio Lower Upper
99 100
42 27.2 13.4 20.2#
71 63.3 24.0 36.0#

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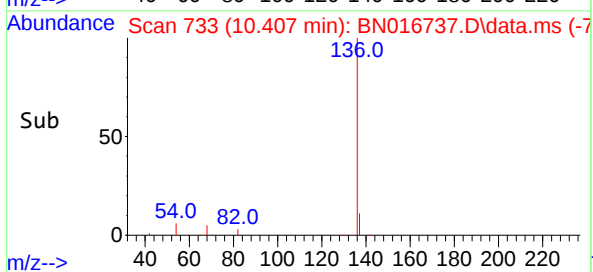
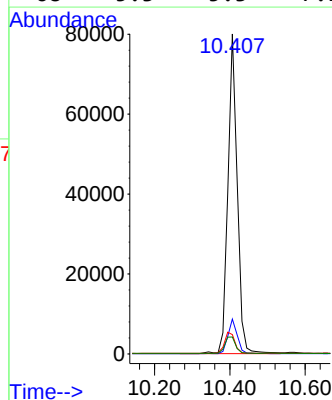
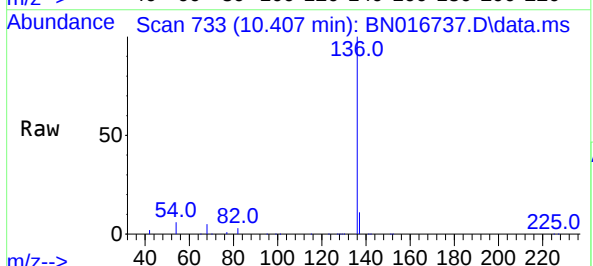
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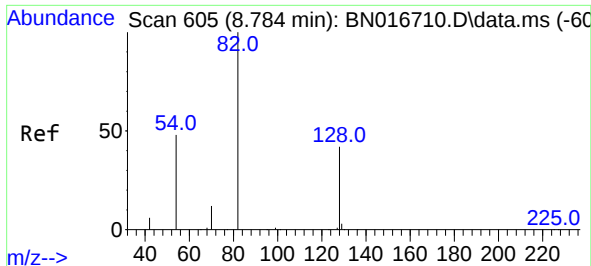
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

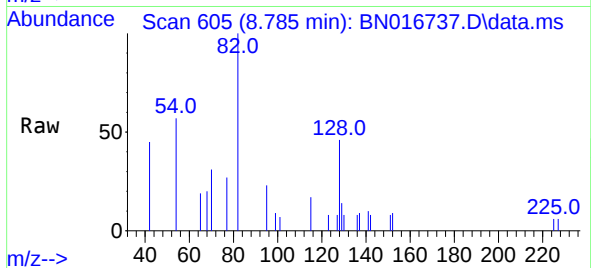
Tgt Ion:136 Resp: 138435
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.0 6.5 9.7#
68 5.3 5.3 7.9





#8
Nitrobenzene-d5
Concen: 0.01 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

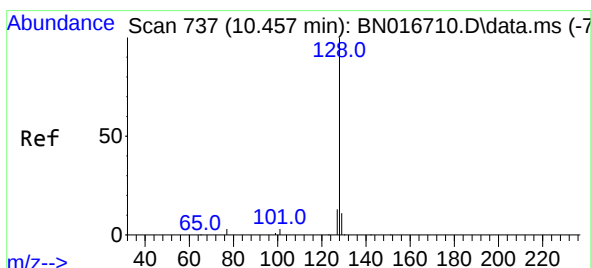
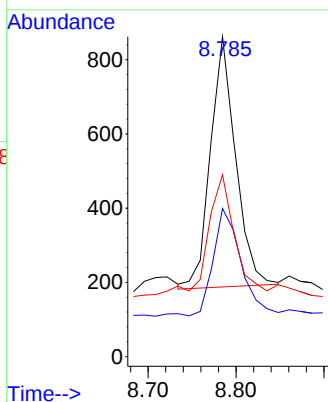
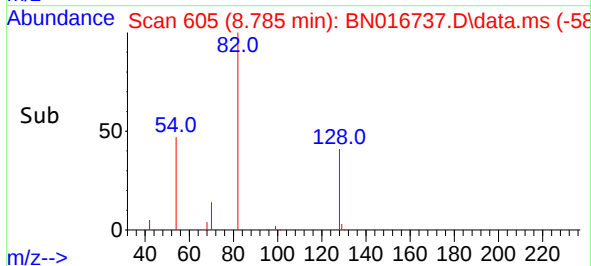
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL



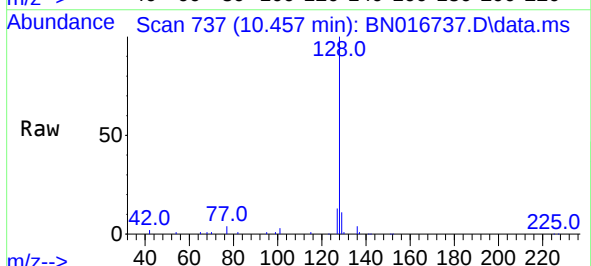
Tgt Ion: 82 Resp: 1349
Ion Ratio Lower Upper
82 100
128 46.3 33.8 50.6
54 56.8 38.5 57.7

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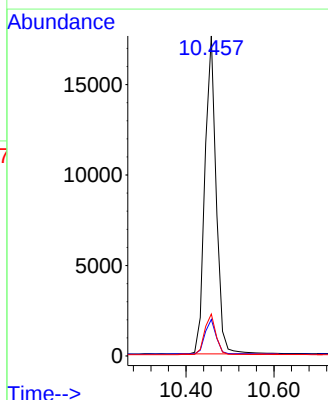
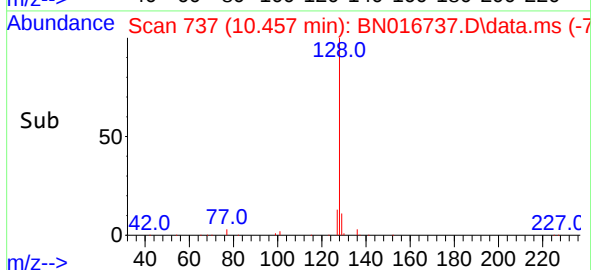
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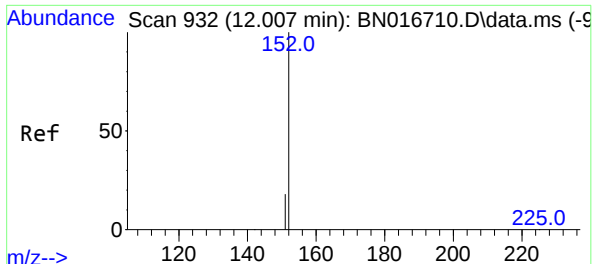


#9
Naphthalene
Concen: 0.08 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



Tgt Ion: 128 Resp: 31305
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.1 10.3 15.5





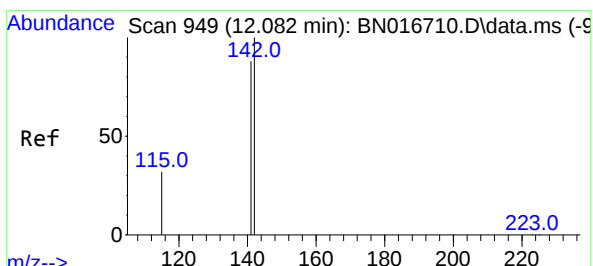
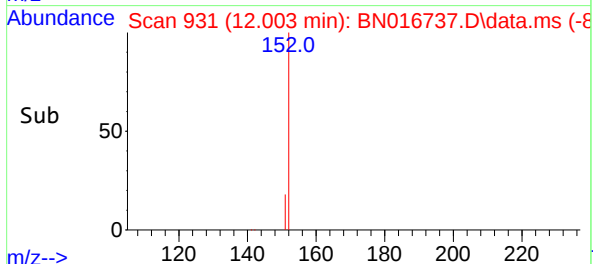
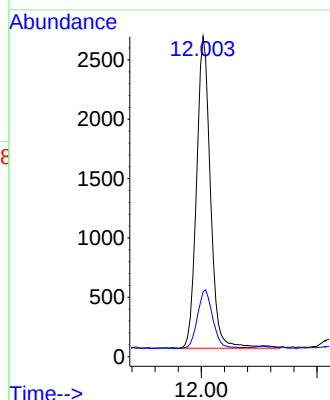
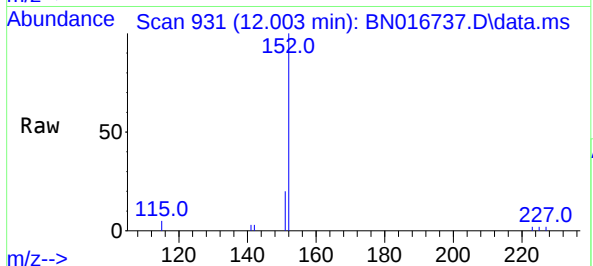
#11
2-Methylnaphthalene-d10
Concen: 0.02 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:152 Resp: 4394
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4

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ClientSampleId :
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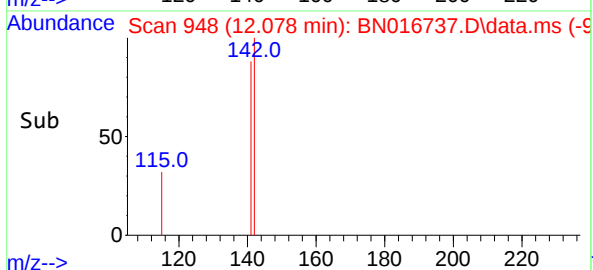
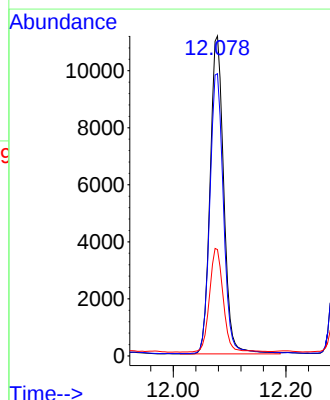
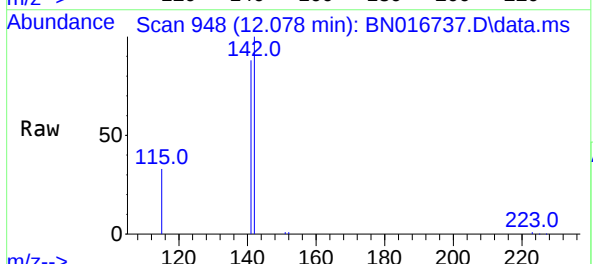
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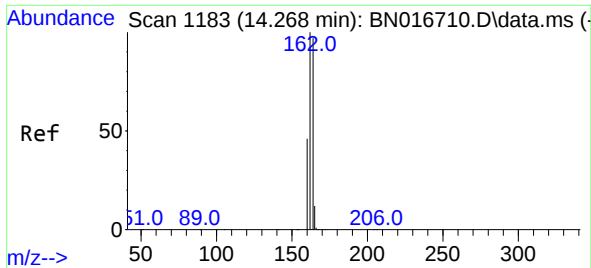
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#12
2-Methylnaphthalene
Concen: 0.08 ng
RT: 12.078 min Scan# 948
Delta R.T. -0.004 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:142 Resp: 18720
Ion Ratio Lower Upper
142 100
141 88.2 70.6 106.0
115 33.3 26.1 39.1





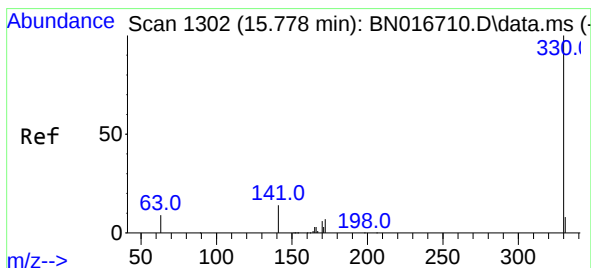
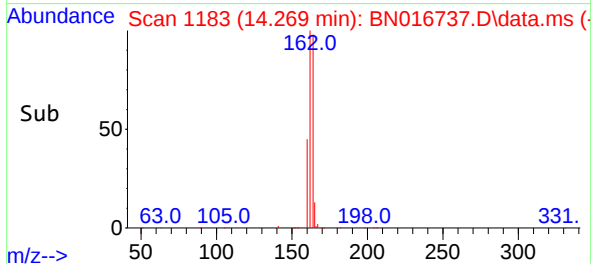
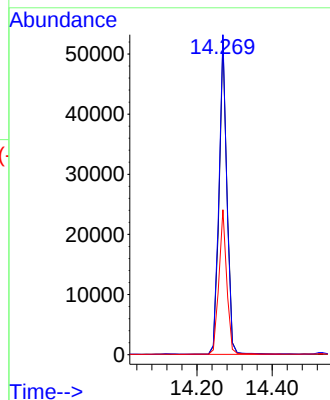
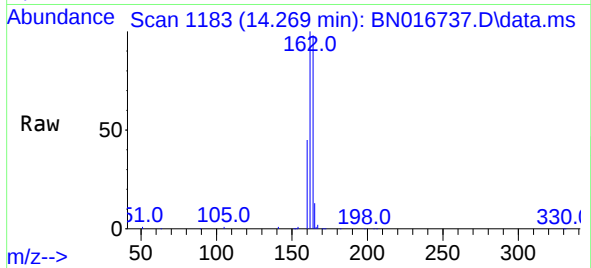
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:164 Resp: 75612
Ion Ratio Lower Upper
164 100
162 101.7 82.6 124.0
160 46.1 38.2 57.2

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ClientSampleId :
S-832-J-SO-3-3.5-092221DL

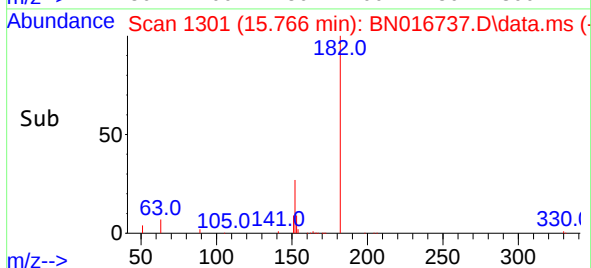
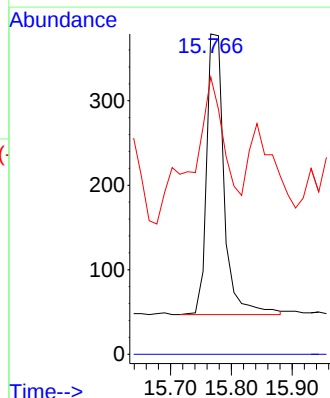
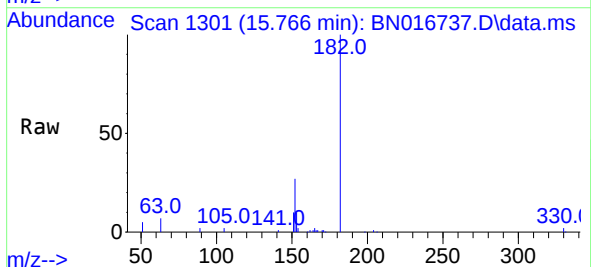
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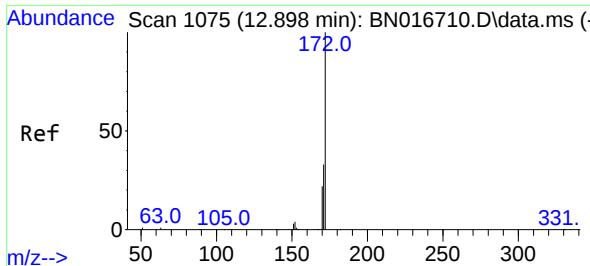
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#14
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:330 Resp: 665
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 49.8 24.2 36.2#





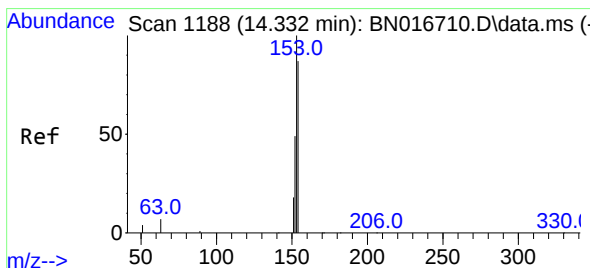
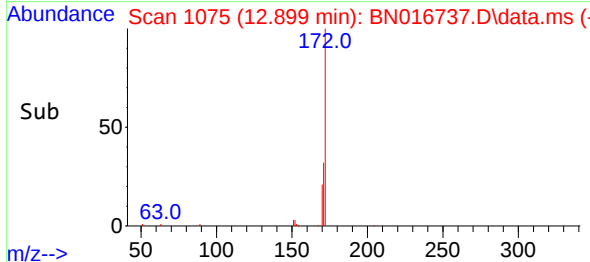
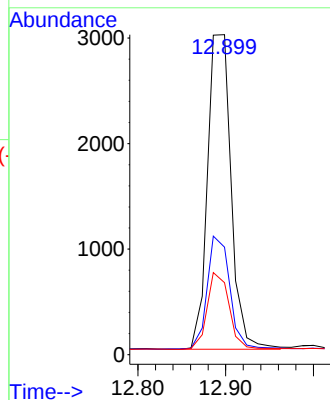
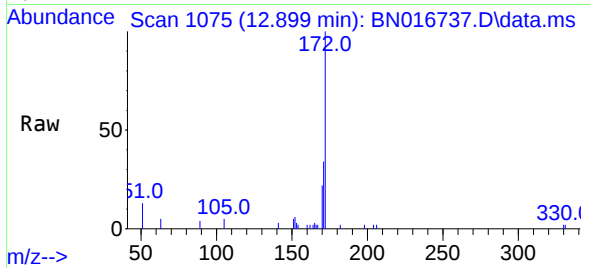
#15
2-Fluorobiphenyl
Concen: 0.02 ng
RT: 12.899 min Scan# 1075
Delta R.T. 0.001 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:	172	Resp:	5587
Ion Ratio	Lower	Upper	
172	100		
171	33.6	26.9	40.3
170	22.5	17.4	26.0

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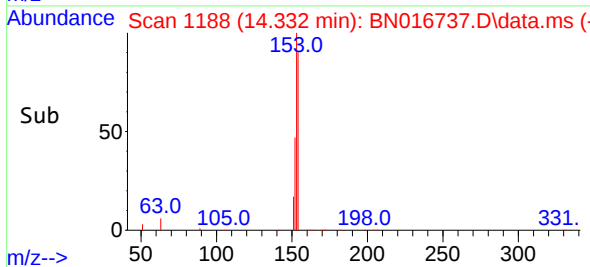
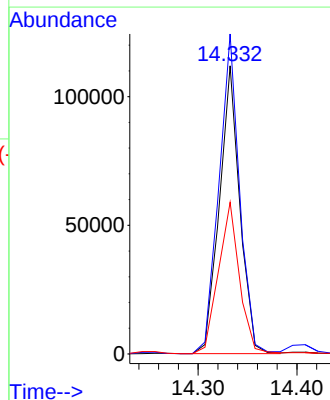
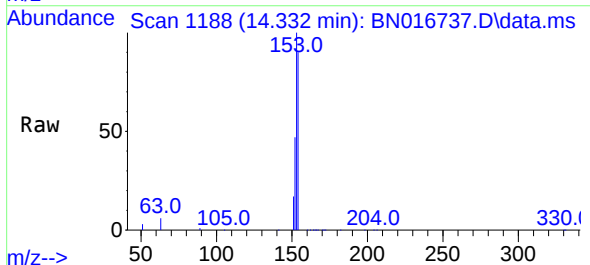
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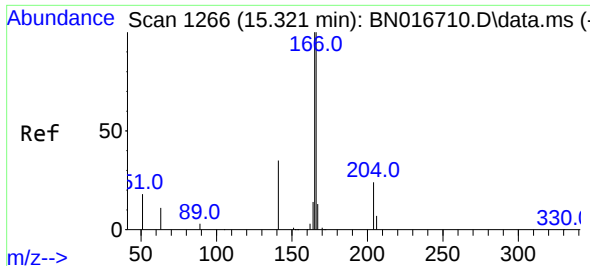
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#17
Acenaphthene
Concen: 0.73 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

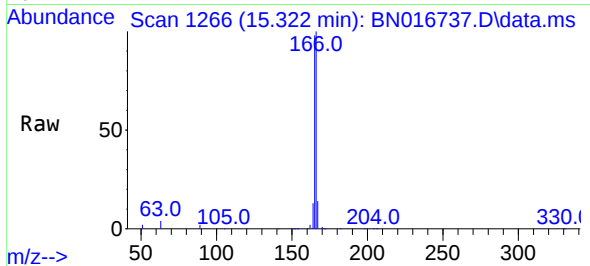
Tgt Ion:	154	Resp:	160392
Ion Ratio	Lower	Upper	
154	100		
153	112.0	90.1	135.1
152	54.6	43.6	65.4





#18
Fluorene
Concen: 0.90 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

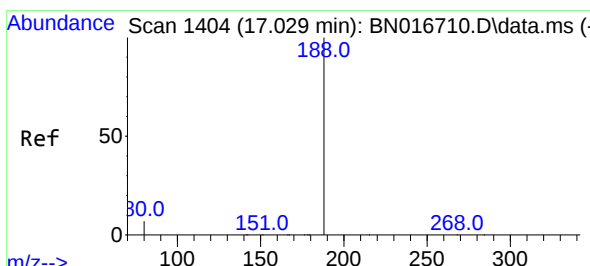
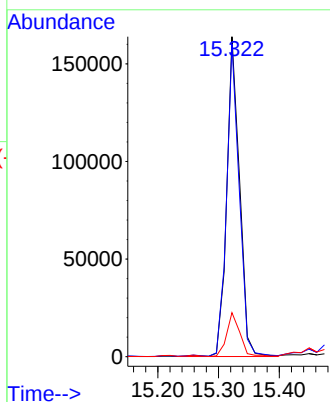
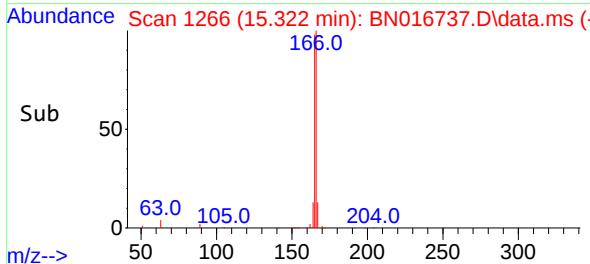
Instrument :
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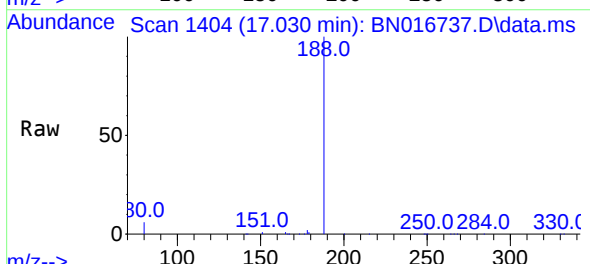
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Ion Ratio Lower Upper
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167 14.2 10.7 16.1

Manual Integrations
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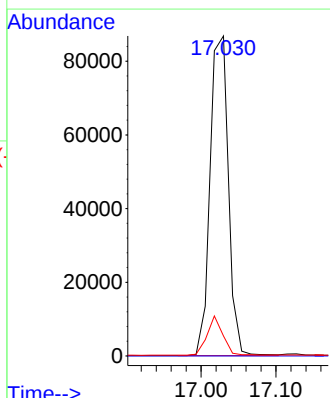
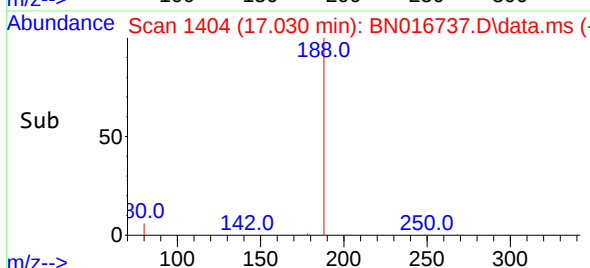
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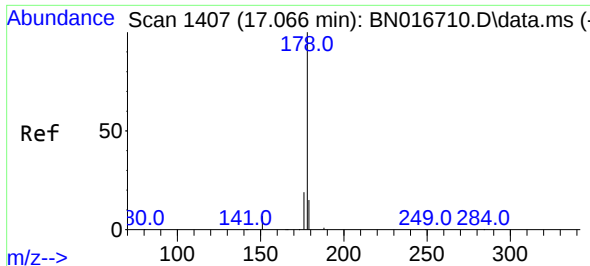


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



Tgt Ion:188 Resp: 147522
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 5.8 8.8





#25
Phenanthrene
Concen: 6.86 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

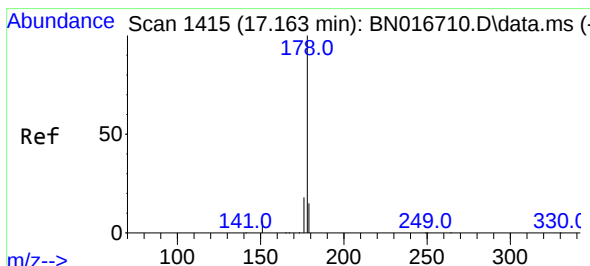
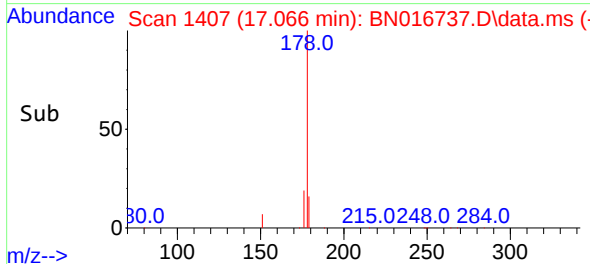
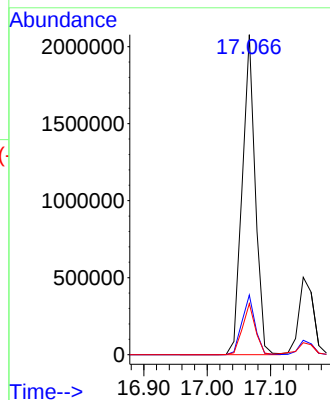
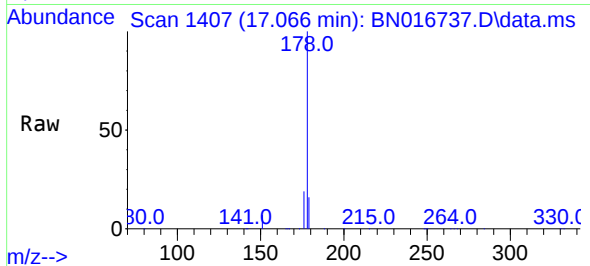
Tgt Ion:178 Resp: 2976265

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.8	12.4	18.6

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL

Manual Integrations
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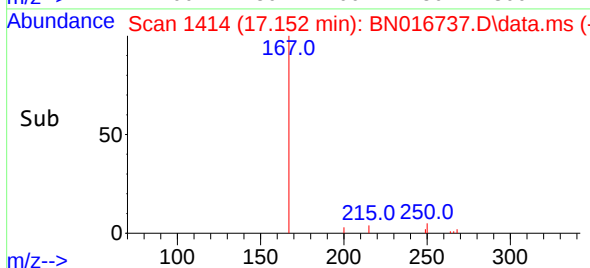
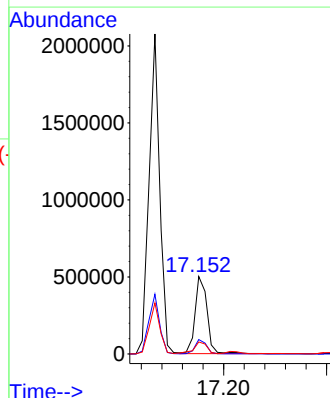
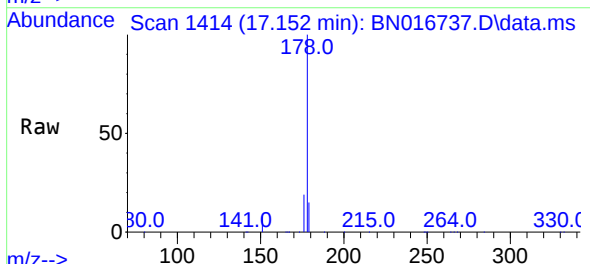
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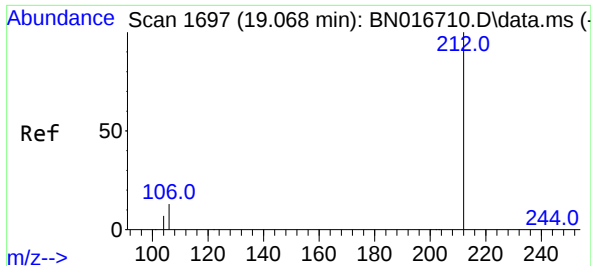


#26
Anthracene
Concen: 2.09 ng
RT: 17.152 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:178 Resp: 808280

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.9	12.2	18.4





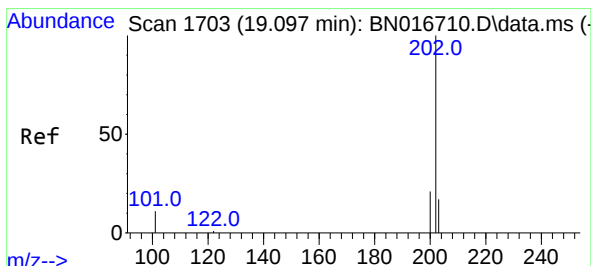
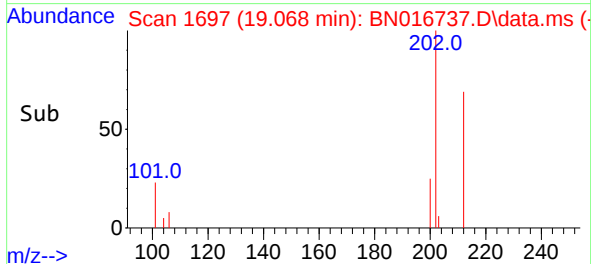
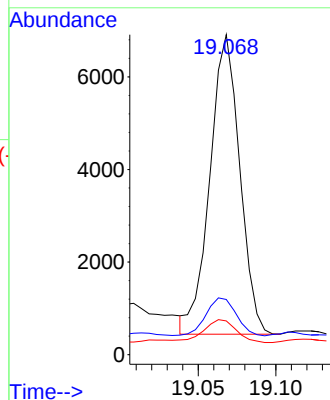
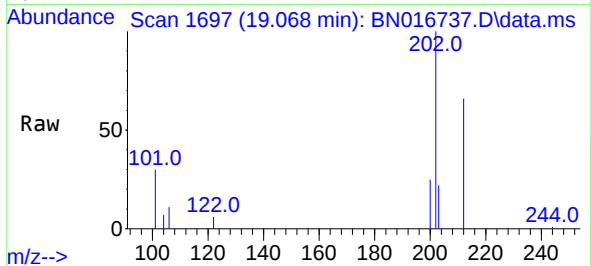
#27
Fluoranthene-d10
Concen: 0.02 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:212 Resp: 8632
Ion Ratio Lower Upper
212 100
106 12.8 10.6 16.0
104 8.4 5.8 8.8

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL

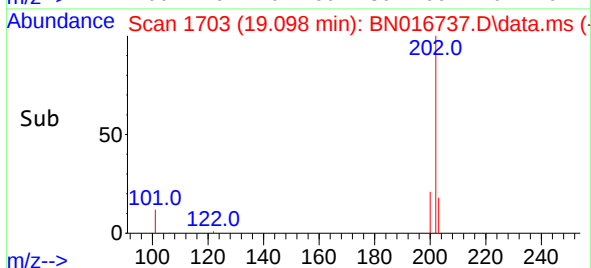
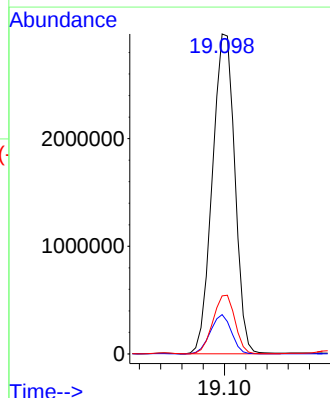
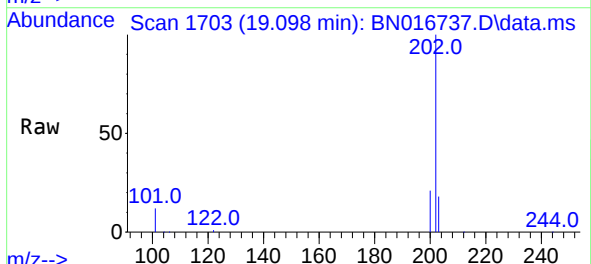
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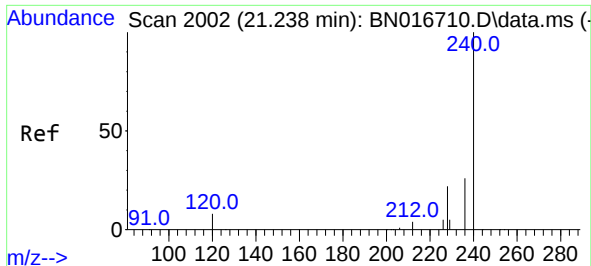
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#28
Fluoranthene
Concen: 9.05 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:202 Resp: 4356336
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
203 18.0 13.8 20.8





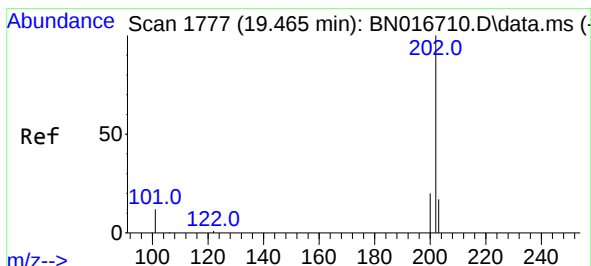
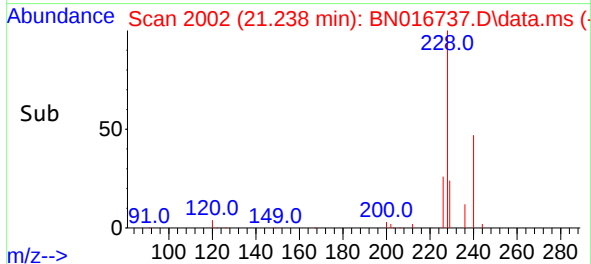
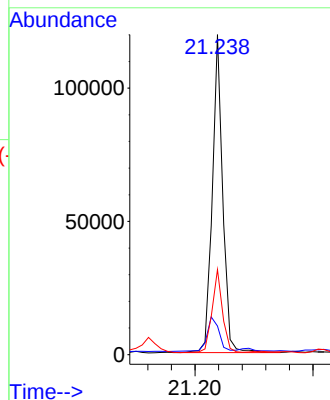
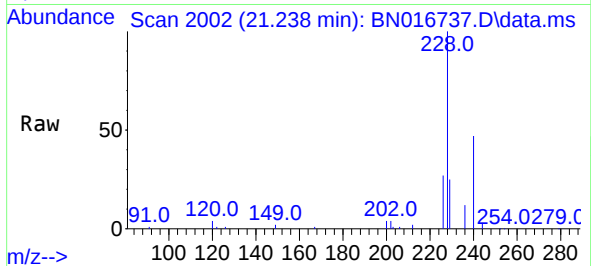
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:240 Resp: 146218
Ion Ratio Lower Upper
240 100
120 9.0 6.6 10.0
236 26.6 20.7 31.1

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL

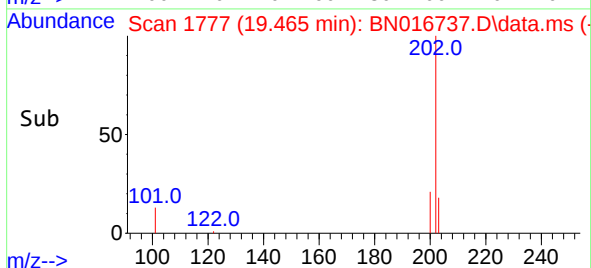
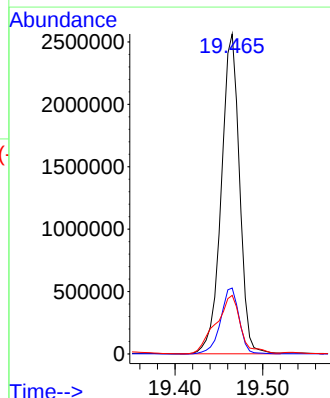
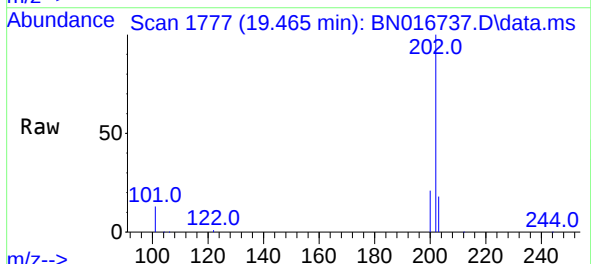
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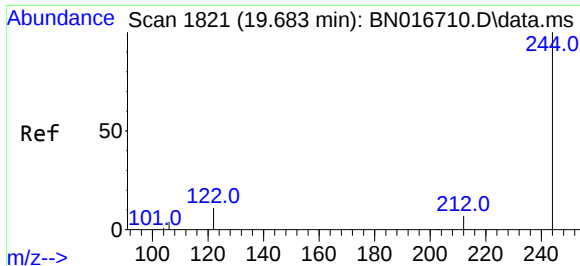
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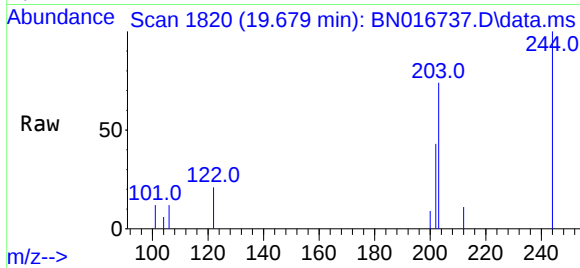
#30
Pyrene
Concen: 7.67 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:202 Resp: 3689261
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 24.8 13.9 20.9#

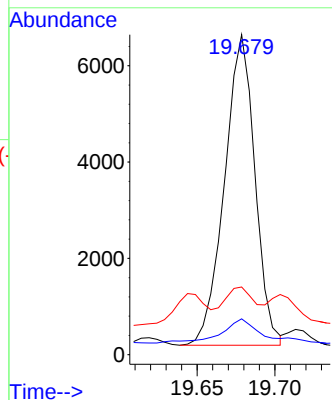




#31
Terphenyl-d14
Concen: 0.03 ng
RT: 19.679 min Scan# 1820
Delta R.T. -0.005 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



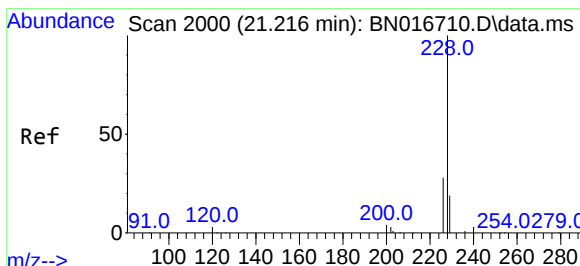
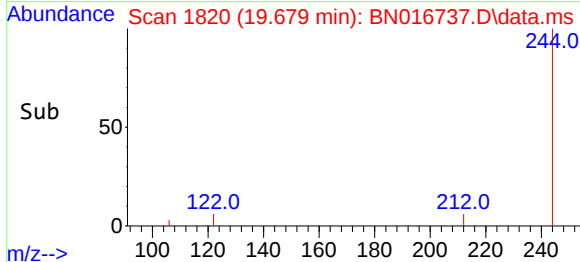
Tgt Ion:244 Resp: 8794
Ion Ratio Lower Upper
244 100
212 11.2 5.8 8.6#
122 21.2 8.9 13.3#



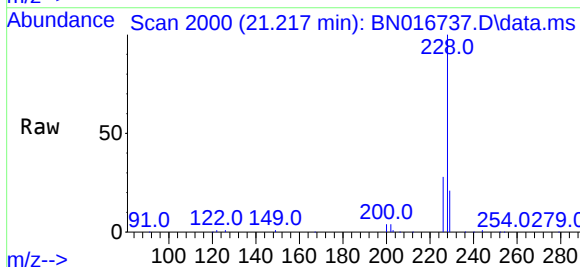
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL

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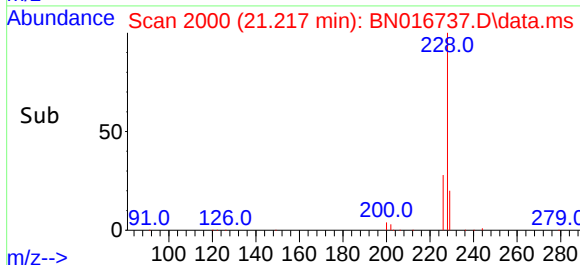
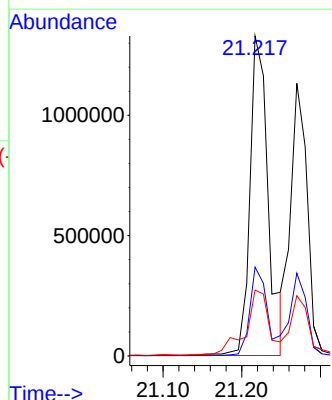
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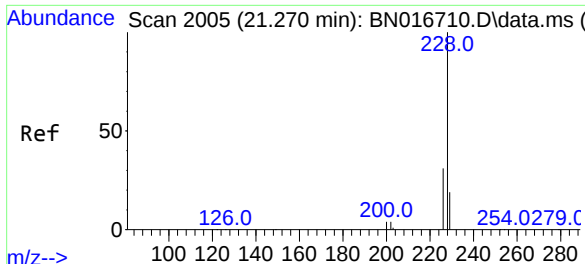


#32
Benzo(a)anthracene
Concen: 4.73 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



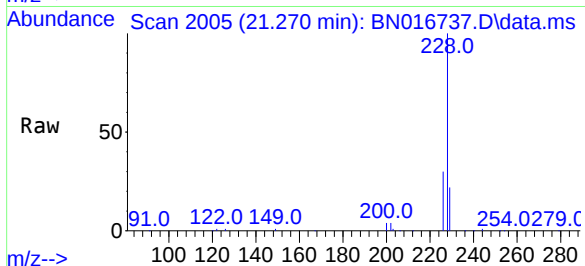
Tgt Ion:228 Resp: 2143360
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 20.6 15.4 23.0





#33
Chrysene
Concen: 3.56 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

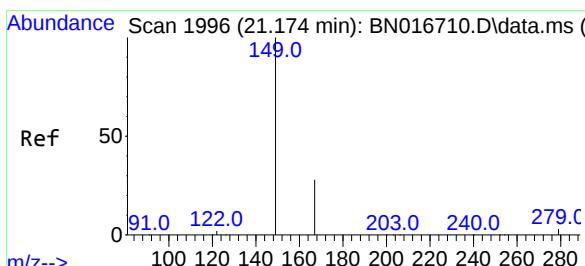
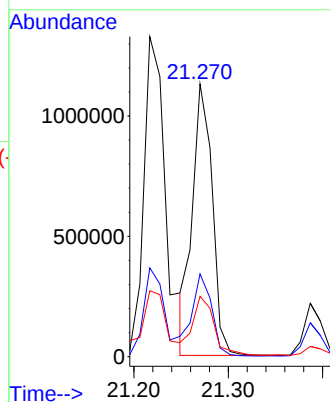
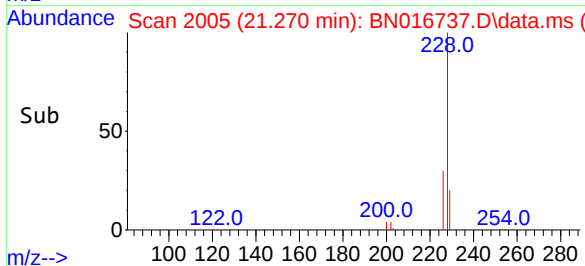
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL



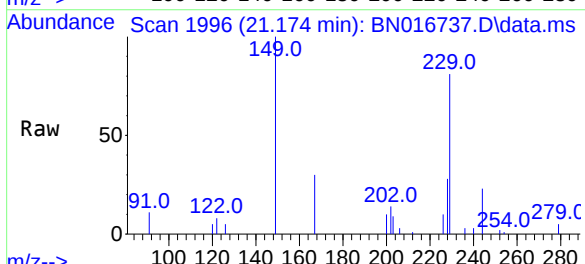
Tgt Ion:228 Resp: 1639410
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 22.1 15.4 23.0

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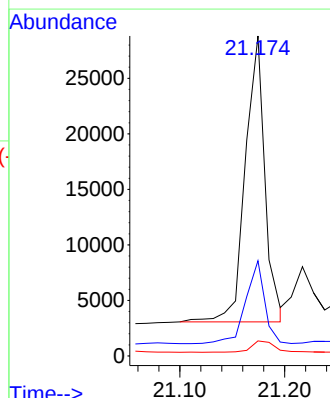
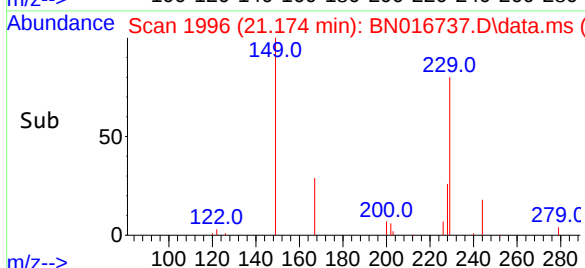
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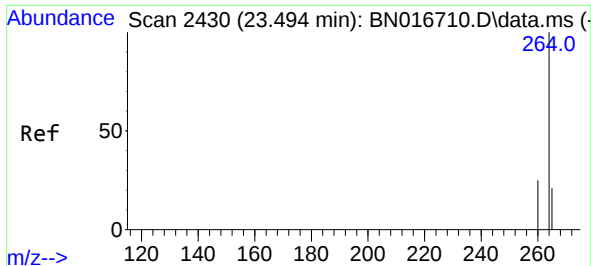


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.12 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



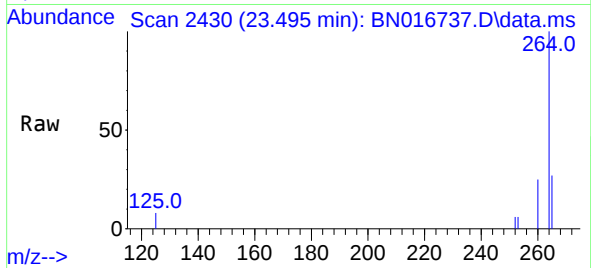
Tgt Ion:149 Resp: 33384
Ion Ratio Lower Upper
149 100
167 28.1 22.2 33.4
279 4.8 3.4 5.2





#35
Perylene-d12
Concen: 0.40 ng
RT: 23.495 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

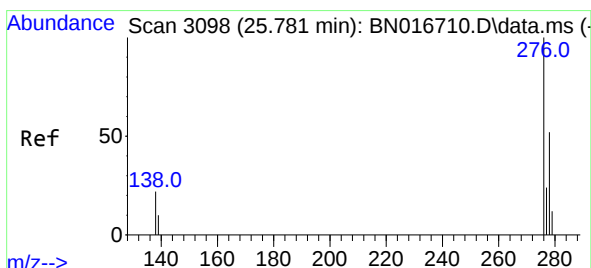
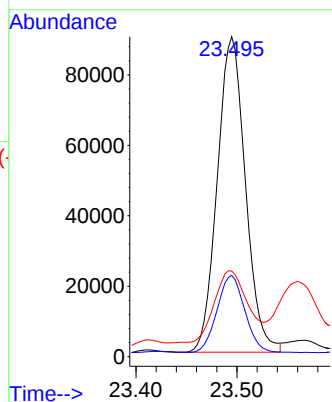
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL



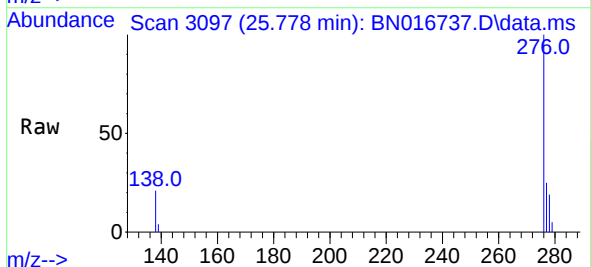
Tgt Ion:264 Resp: 173908
Ion Ratio Lower Upper
264 100
260 25.4 19.8 29.6
265 26.8 20.3 30.5

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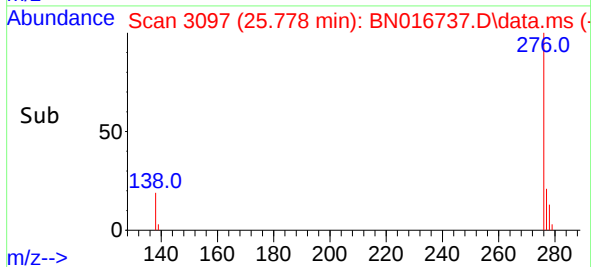
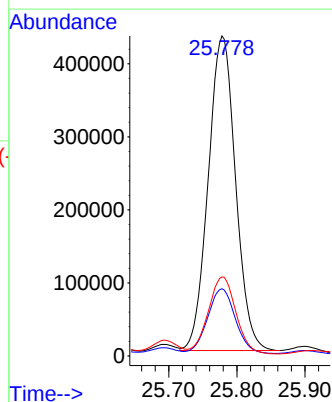
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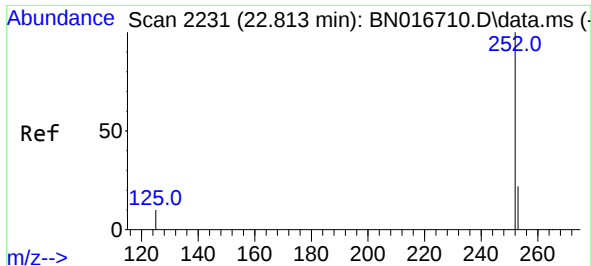


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.18 ng
RT: 25.778 min Scan# 3097
Delta R.T. -0.003 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

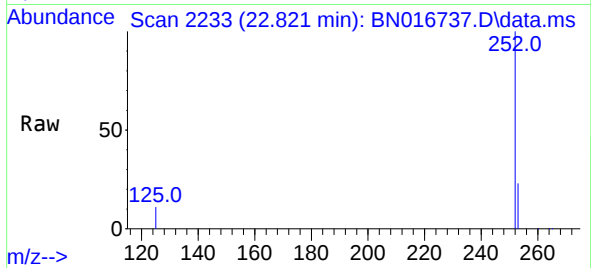


Tgt Ion:276 Resp: 1201620
Ion Ratio Lower Upper
276 100
138 20.8 19.2 28.8
277 24.8 20.0 30.0

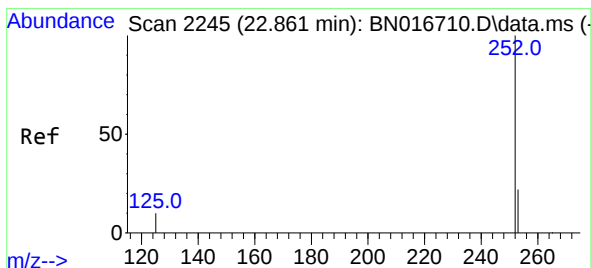
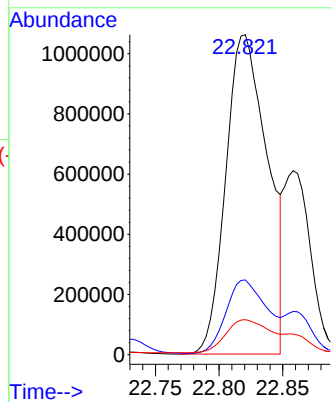
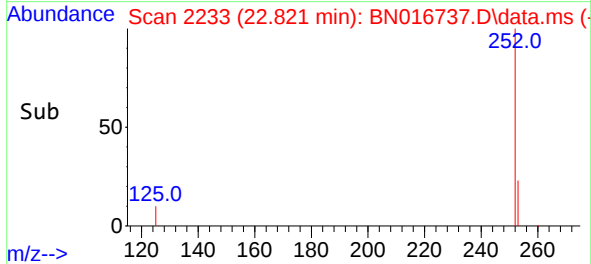




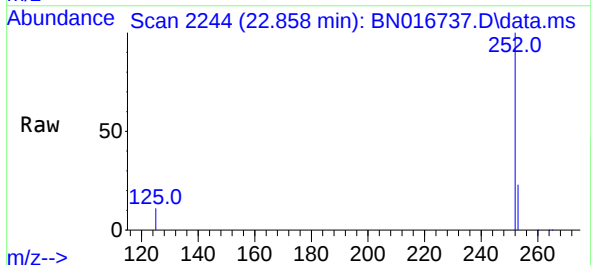
#37
Benzo(b)fluoranthene
Concen: 4.29 ng
RT: 22.821 min Scan# 2233
Delta R.T. 0.007 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



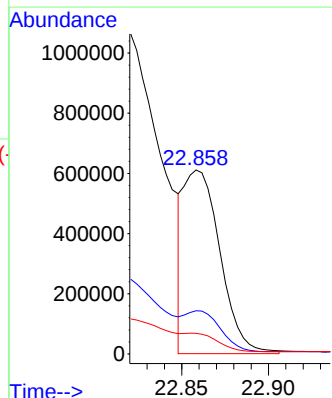
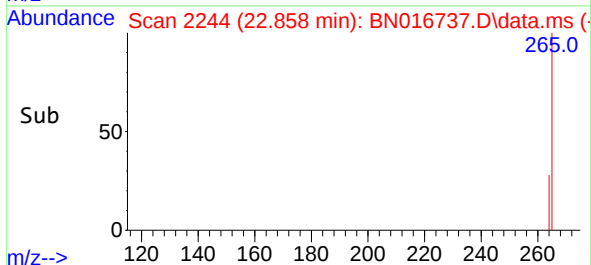
Tgt Ion:252 Resp: 2415111
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.0 8.3 12.5



#38
Benzo(k)fluoranthene
Concen: 1.65 ng m
RT: 22.858 min Scan# 2244
Delta R.T. -0.003 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48



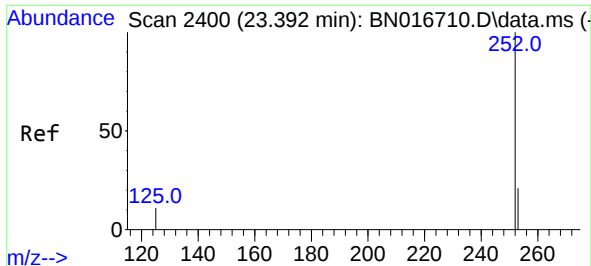
Tgt Ion:252 Resp: 891522
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.2 8.5 12.7



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL

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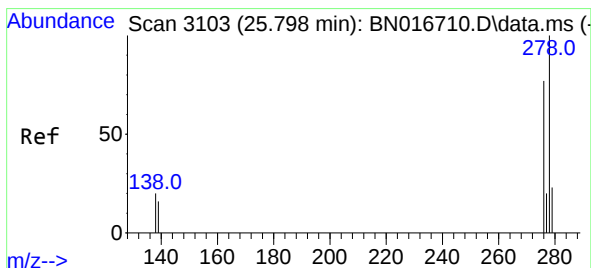
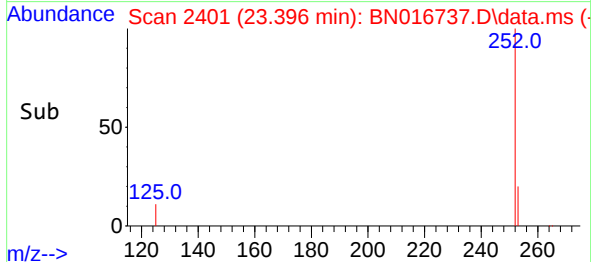
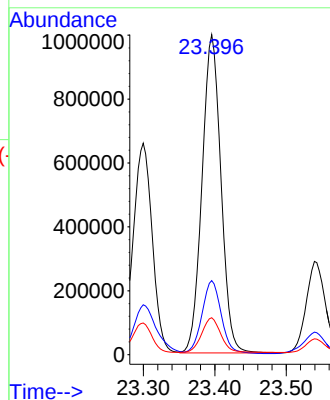
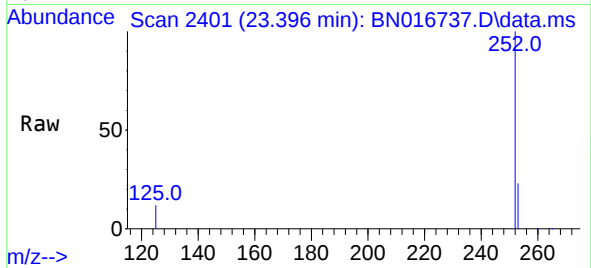
#39
Benzo(a)pyrene
Concen: 3.64 ng
RT: 23.396 min Scan# 2401
Delta R.T. 0.004 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

Tgt Ion:252 Resp: 1829374
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 11.6 9.4 14.2

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221DL

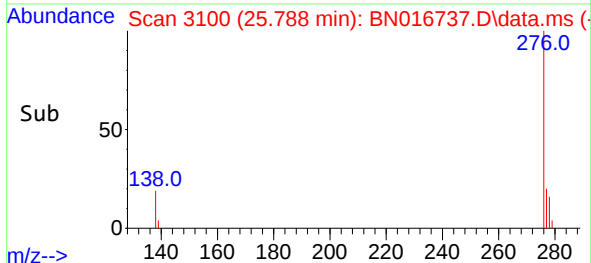
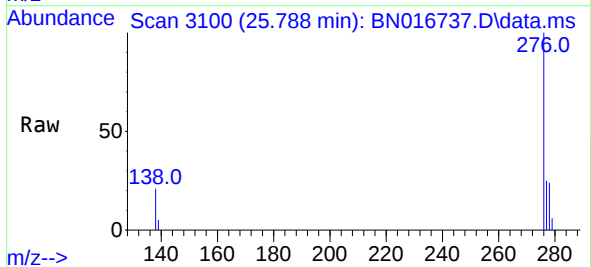
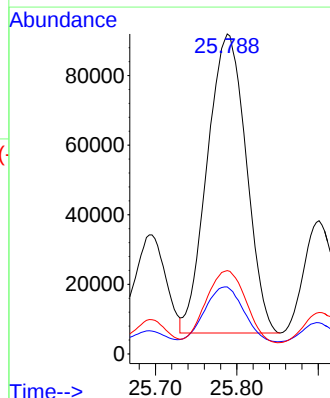
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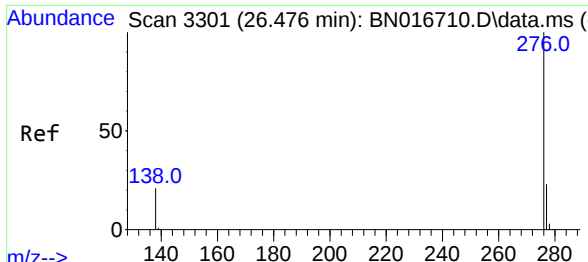
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#40
Dibenzo(a,h)anthracene
Concen: 0.65 ng
RT: 25.788 min Scan# 3100
Delta R.T. -0.010 min
Lab File: BN016737.D
Acq: 05 Oct 2021 08:48

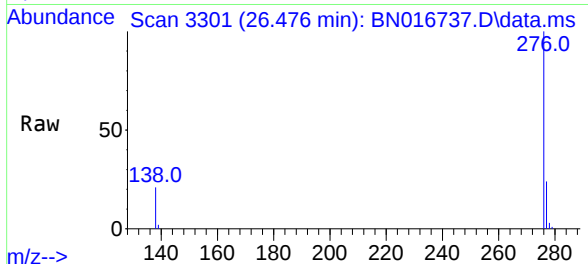
Tgt Ion:278 Resp: 284832
Ion Ratio Lower Upper
278 100
139 21.0 13.1 19.7#
279 26.0 19.3 28.9





#41
 Benzo(g,h,i)perylene
 Concen: 2.54 ng
 RT: 26.476 min Scan# 3301
 Delta R.T. 0.000 min
 Lab File: BN016737.D
 Acq: 05 Oct 2021 08:48

Instrument :
 BNA_N
ClientSampleId :
 S-832-J-SO-3-3.5-092221DL



Tgt Ion: 276 Resp: 1244298

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	21.4	17.0	25.6

Manual Integrations
APPROVED

mohammad
 10/5/2021 12:08:45 PM

