

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100821\
 Data File : BN016877.D
 Acq On : 09 Oct 2021 12:12
 Operator : CG/JU
 Sample : M3966-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-1-1.5-092721

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Quant Time: Oct 11 01:03:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 15:46:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.614	152	18548	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	87089	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	51655	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	106484	0.400	ng	#-0.01
29) Chrysene-d12	21.217	240	101703	0.400	ng	# 0.01
35) Perylene-d12	23.464	264	99800	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	13449	0.290	ng	0.00
5) Phenol-d6	6.803	99	14633	0.278	ng	0.00
8) Nitrobenzene-d5	8.746	82	18298	0.300	ng	-0.01
11) 2-Methylnaphthalene-d10	11.976	152	38307	0.295	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	9345	0.350	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	48903	0.235	ng	-0.01
27) Fluoranthene-d10	19.043	212	85390	0.289	ng	0.00
31) Terphenyl-d14	19.653	244	74664	0.337	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.432	128	38280	0.161	ng	98
12) 2-Methylnaphthalene	12.047	142	28868	0.190	ng	98
16) Acenaphthylene	13.964	152	79632	0.349	ng	97
17) Acenaphthene	14.307	154	102068	0.674	ng	99
18) Fluorene	15.296	166	120587m	0.655	ng	
24) Pentachlorophenol	16.652	266	873	0.128	ng	97
25) Phenanthrene	17.042	178	2168918	6.858	ng	100
26) Anthracene	17.127	178	763047	2.716	ng	97
28) Fluoranthene	19.082	202	6129585	17.259	ng	97
30) Pyrene	19.445	202	6007947	19.211	ng	# 89
32) Benzo(a)anthracene	21.206	228	4588962	14.589	ng	97
33) Chrysene	21.259	228	3720107m	11.613	ng	
34) Bis(2-ethylhexyl)phtha...	21.153	149	163583	1.023	ng	# 88
36) Indeno(1,2,3-cd)pyrene	25.736	276	1633775	4.323	ng	97
37) Benzo(b)fluoranthene	22.796	252	5199232	16.458	ng	97
38) Benzo(k)fluoranthene	22.837	252	2025391m	6.594	ng	
39) Benzo(a)pyrene	23.371	252	3854944	13.355	ng	98
40) Dibenzo(a,h)anthracene	25.747	278	422661	1.366	ng	# 91
41) Benzo(g,h,i)perylene	26.435	276	1450607	4.414	ng	99

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

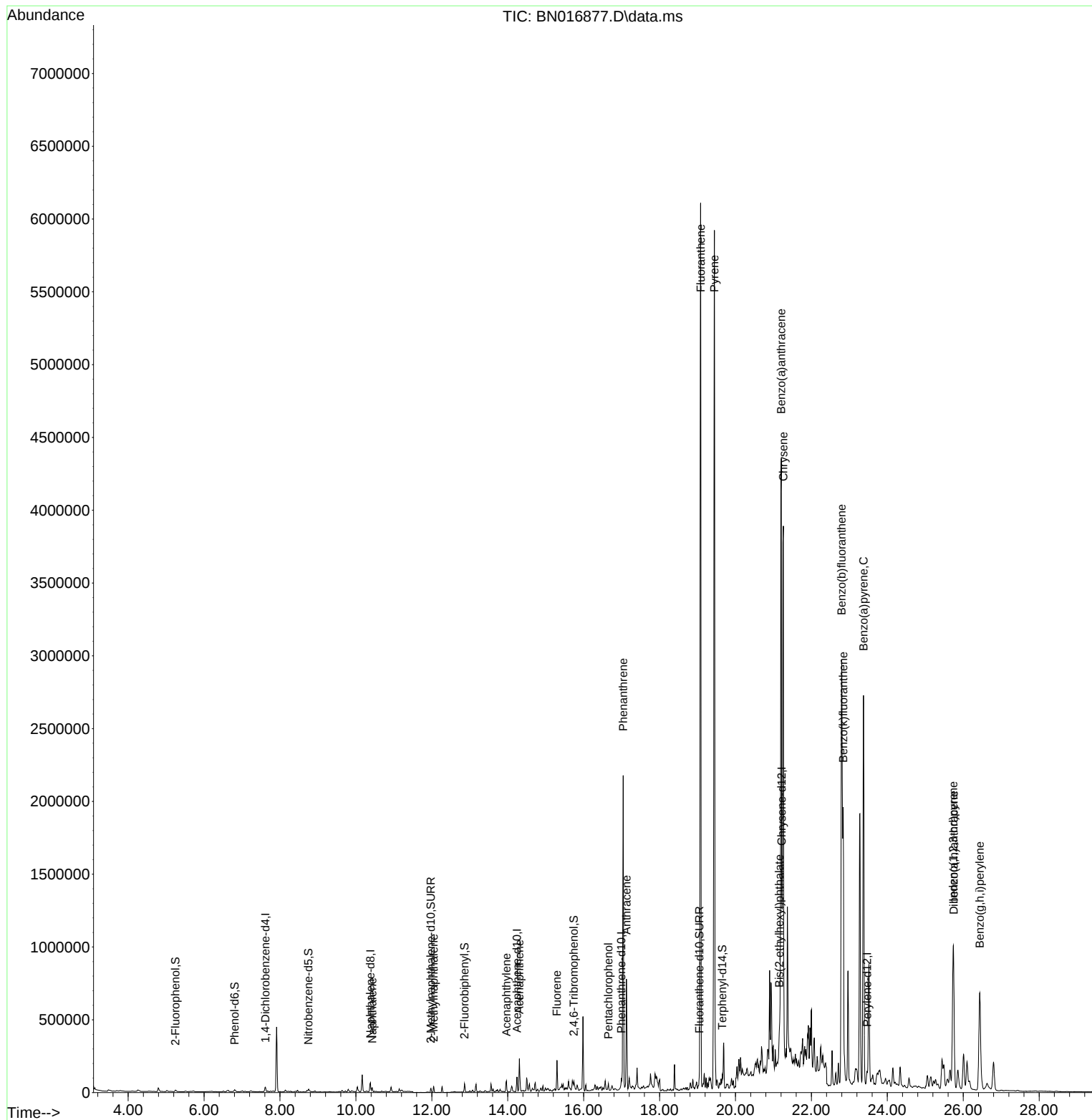
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100821\
Data File : BN016877.D
Acq On : 09 Oct 2021 12:12
Operator : CG/JU
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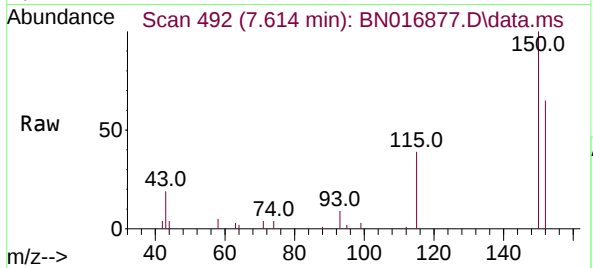
Quant Time: Oct 11 01:03:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 15:46:07 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.614 min Scan# 492
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

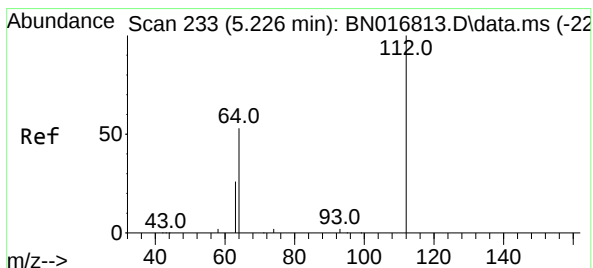
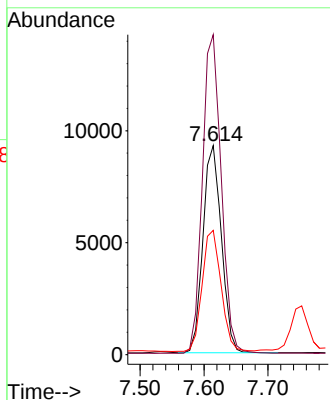
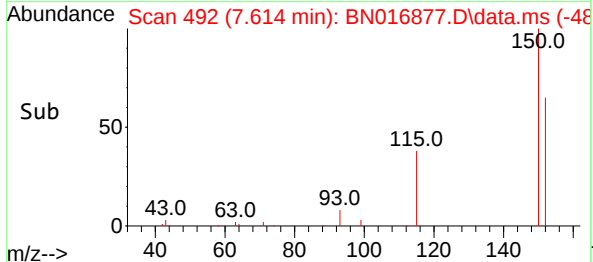
Instrument :
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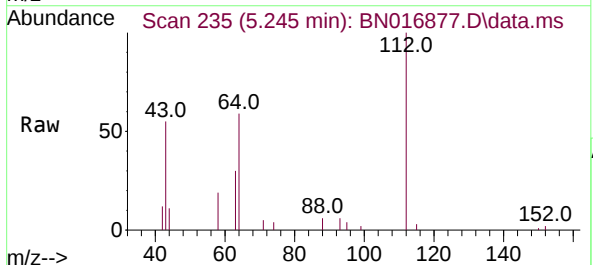
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Ion Ratio Lower Upper
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150 153.0 123.3 184.9
115 59.5 47.0 70.6

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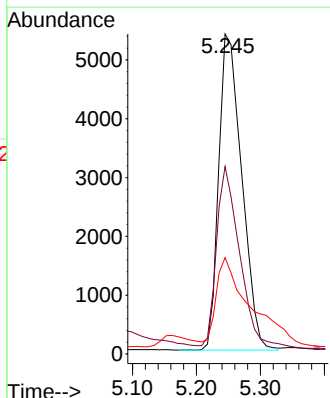
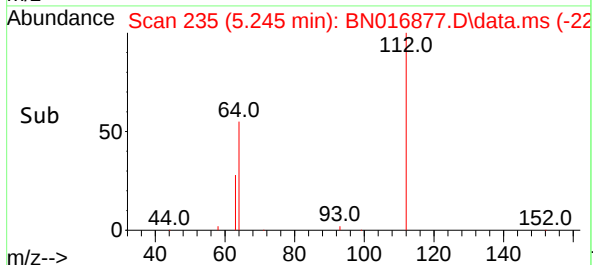
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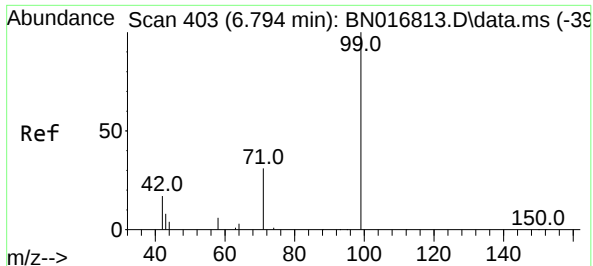


#4
2-Fluorophenol
Concen: 0.290 ng
RT: 5.245 min Scan# 235
Delta R.T. 0.009 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

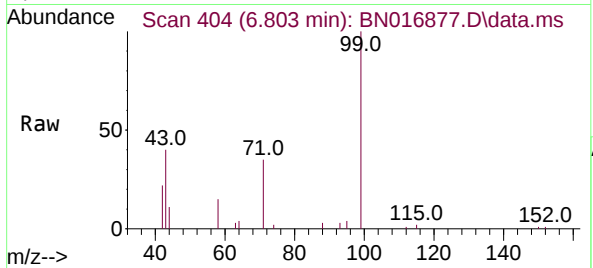


Tgt Ion:112 Resp: 13449
Ion Ratio Lower Upper
112 100
64 55.8 42.9 64.3
63 36.6 21.5 32.3#

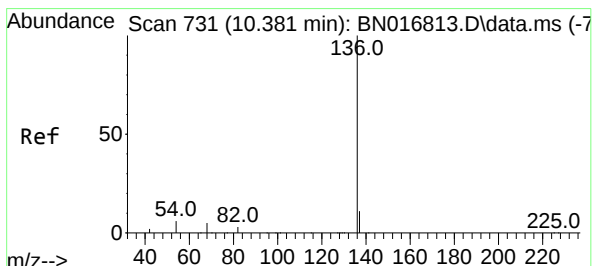
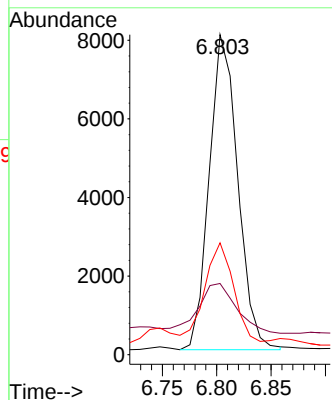
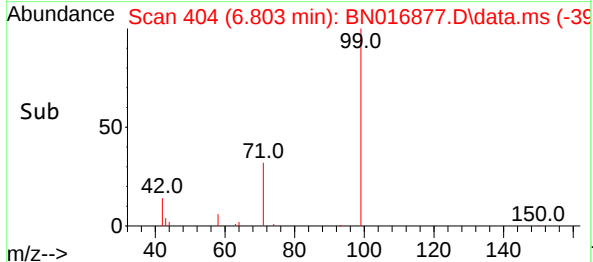




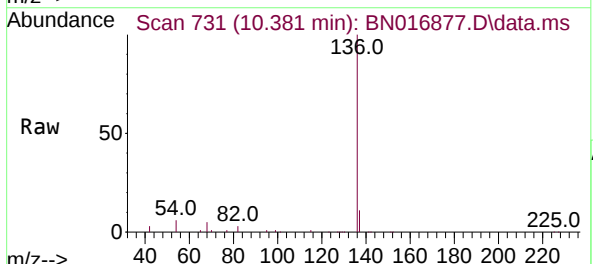
#5
Phenol-d6
Concen: 0.278 ng
RT: 6.803 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



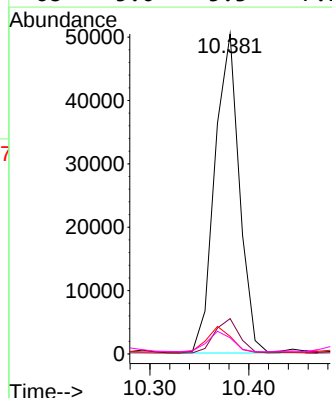
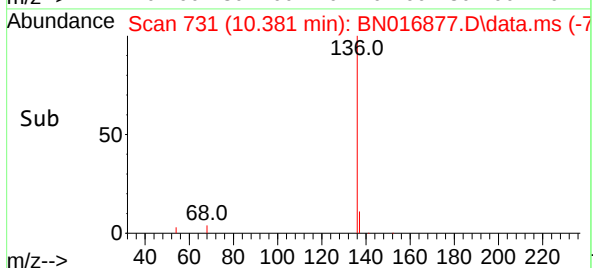
Tgt Ion: 99 Resp: 14633
Ion Ratio Lower Upper
99 100
42 21.5 13.4 20.2#
71 31.1 24.0 36.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



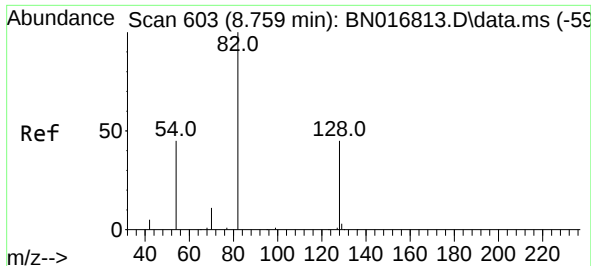
Tgt Ion: 136 Resp: 87089
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 5.5 6.5 9.7#
68 5.0 5.3 7.9#



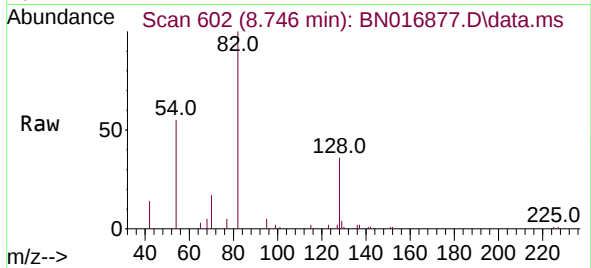
Instrument :
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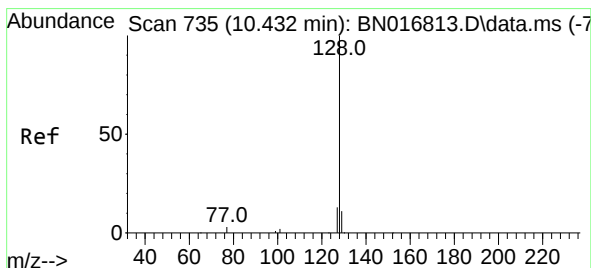
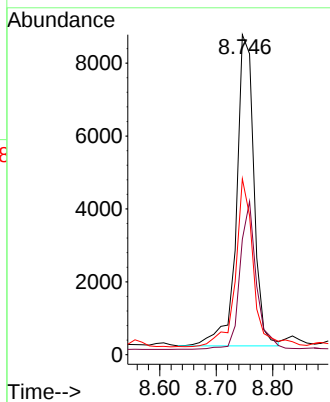
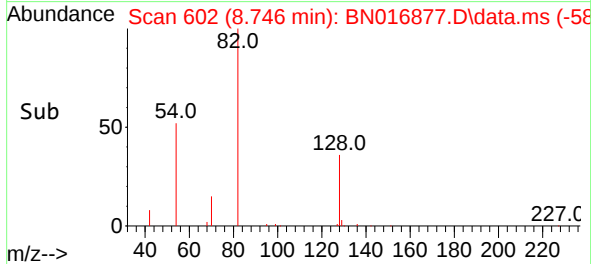
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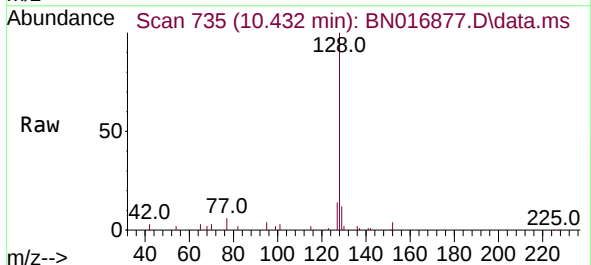
#8
Nitrobenzene-d5
Concen: 0.300 ng
RT: 8.746 min Scan# 602
Delta R.T. -0.013 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



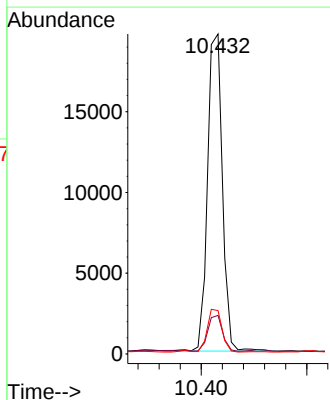
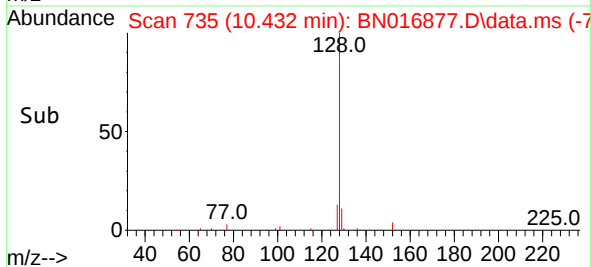
Tgt Ion: 82 Resp: 18298
Ion Ratio Lower Upper
82 100
128 36.1 33.8 50.6
54 54.9 38.5 57.7



#9
Naphthalene
Concen: 0.161 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



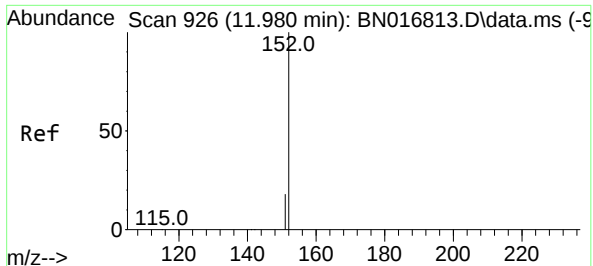
Tgt Ion: 128 Resp: 38280
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.5 10.3 15.5



Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721

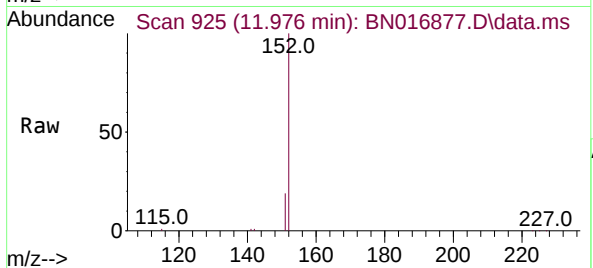
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#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

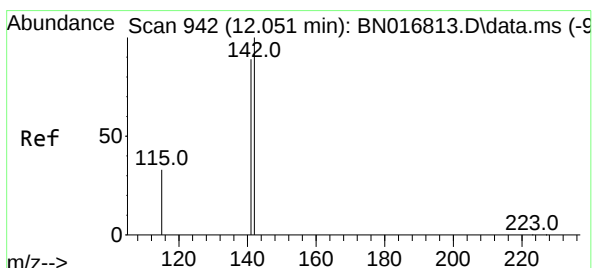
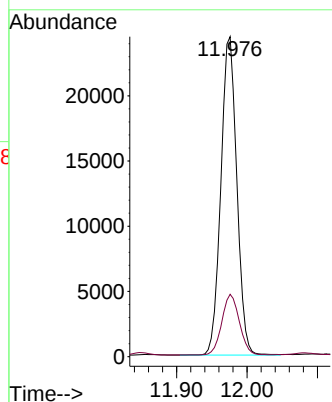
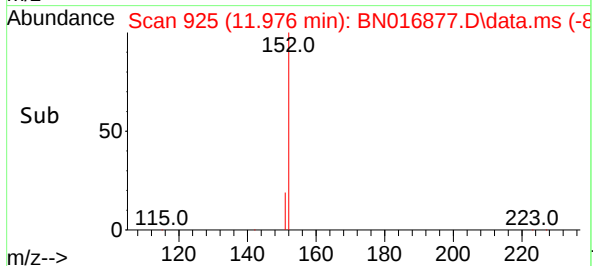
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ClientSampleId :
S-830-J-SO-1-1.5-092721



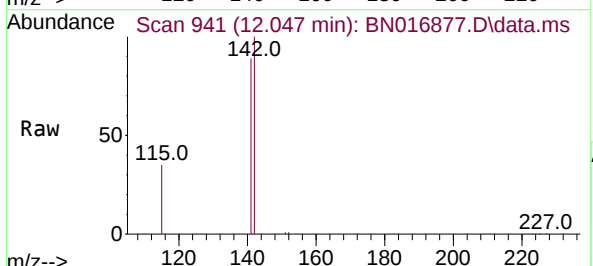
Tgt Ion:152 Resp: 38307
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.4

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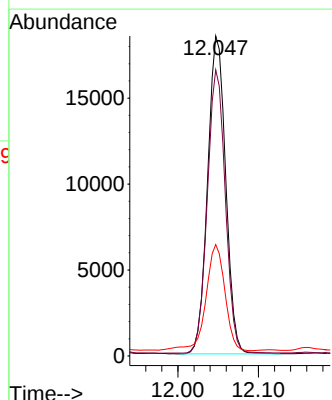
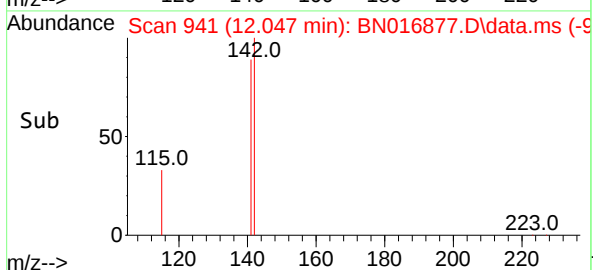
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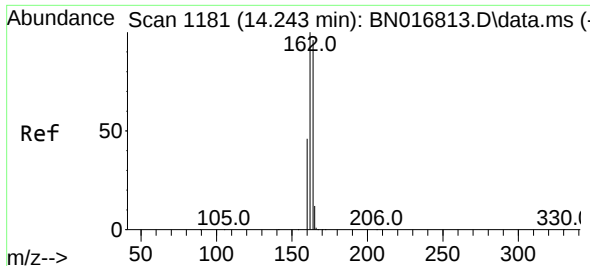


#12
2-Methylnaphthalene
Concen: 0.190 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.004 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



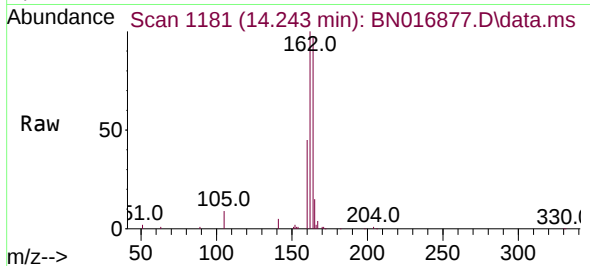
Tgt Ion:142 Resp: 28868
Ion Ratio Lower Upper
142 100
141 89.4 70.6 106.0
115 34.8 26.1 39.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

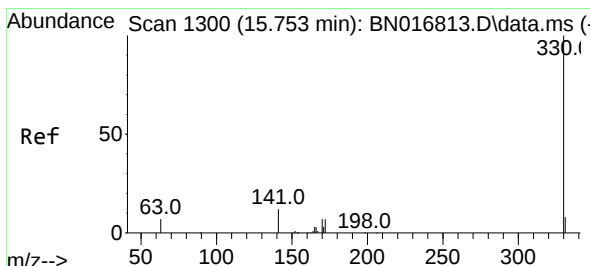
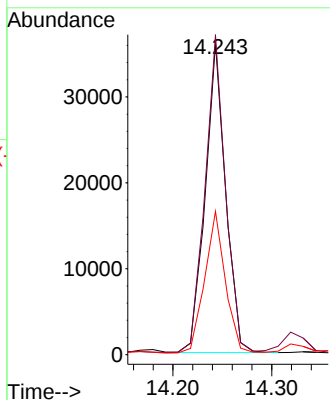
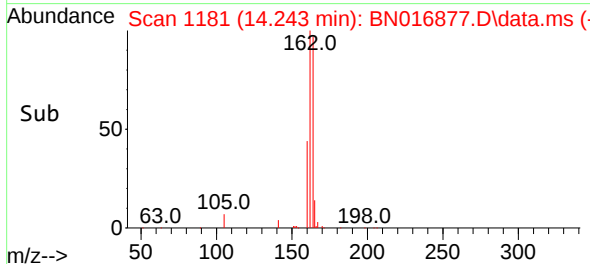
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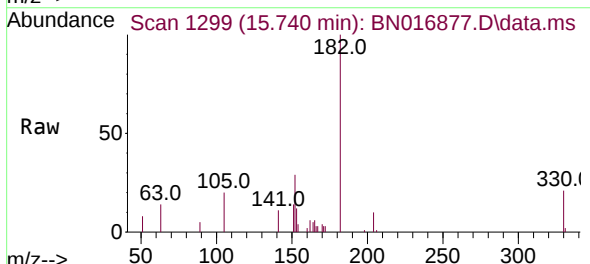
Tgt Ion:164 Resp: 51655
Ion Ratio Lower Upper
164 100
162 102.6 82.6 124.0
160 46.0 38.2 57.2

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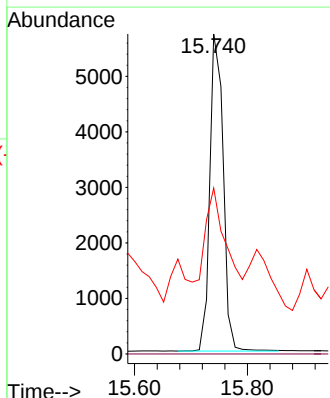
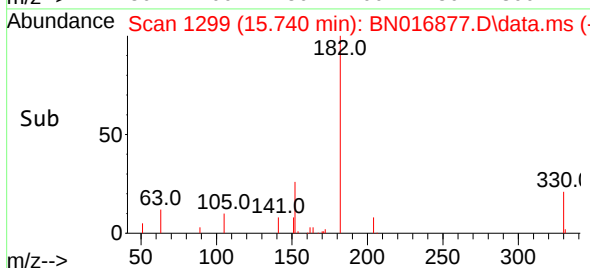
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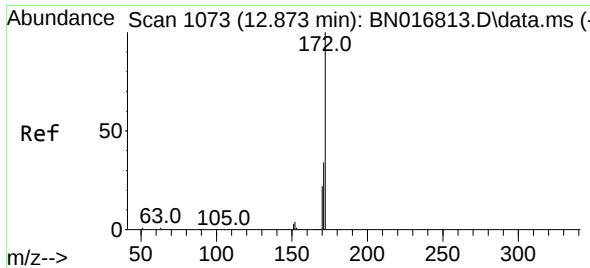


#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



Tgt Ion:330 Resp: 9345
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 41.1 24.2 36.2#





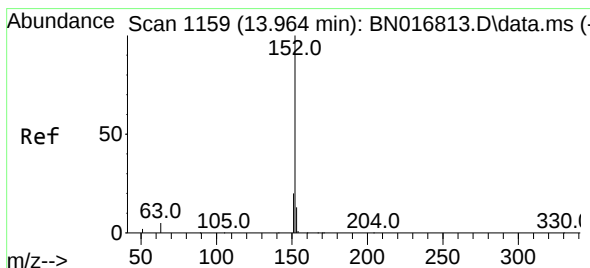
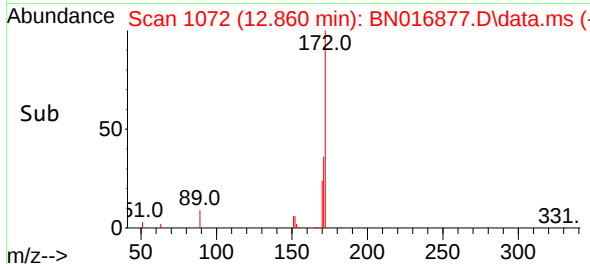
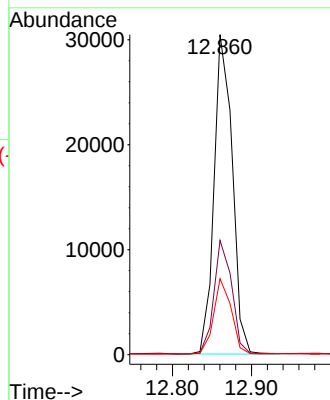
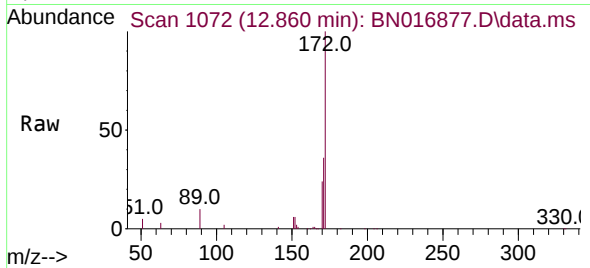
#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.013 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

Tgt Ion:172 Resp: 48903
Ion Ratio Lower Upper
172 100
171 35.7 26.9 40.3
170 23.7 17.4 26.0

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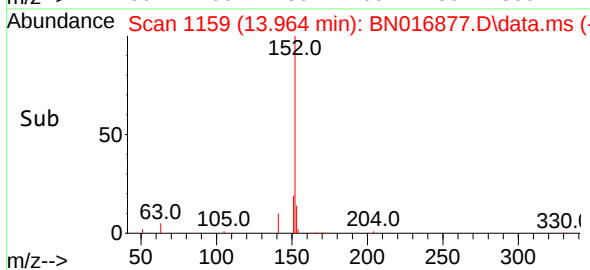
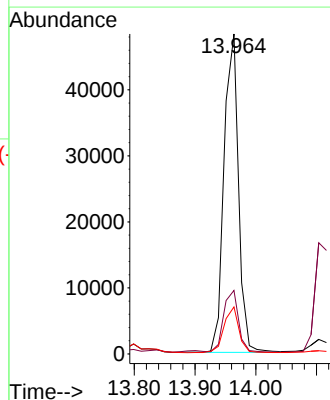
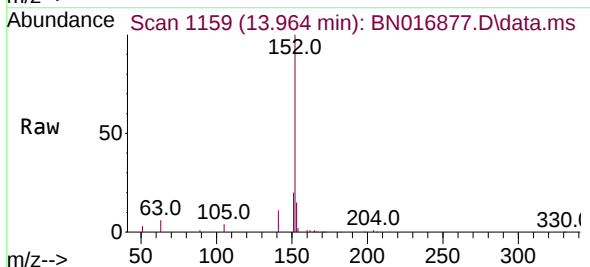
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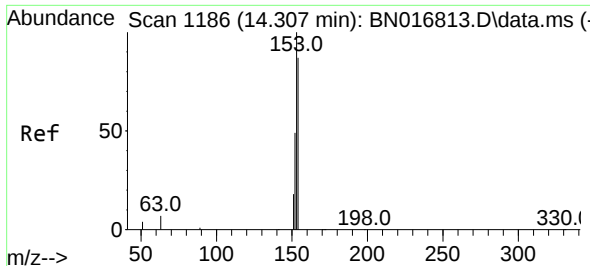
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#16
Acenaphthylene
Concen: 0.349 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

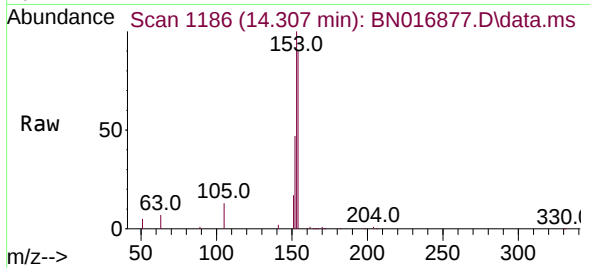
Tgt Ion:152 Resp: 79632
Ion Ratio Lower Upper
152 100
151 20.6 15.5 23.3
153 14.6 10.4 15.6





#17
Acenaphthene
Concen: 0.674 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

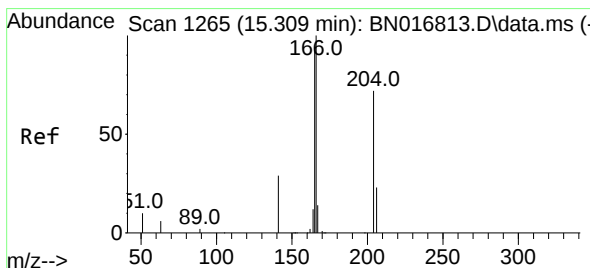
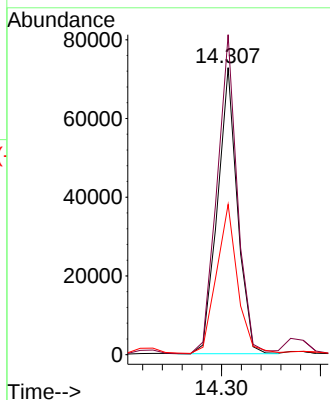
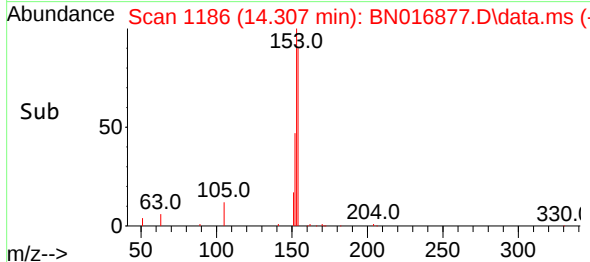
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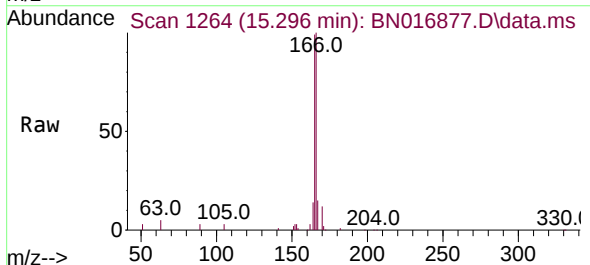
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Ion Ratio Lower Upper
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153 113.1 90.1 135.1
152 55.0 43.6 65.4

Manual Integrations
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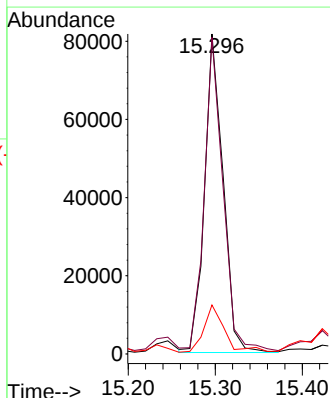
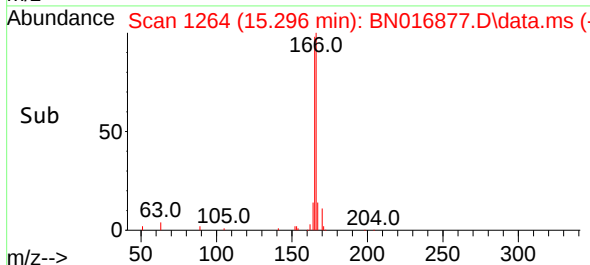
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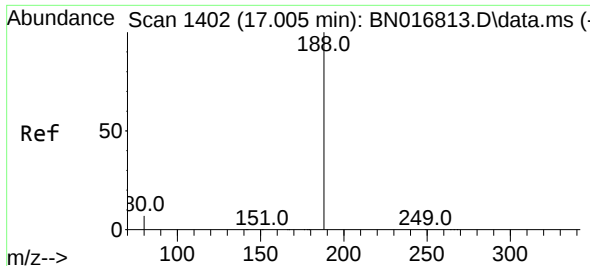


#18
Fluorene
Concen: 0.655 ng m
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

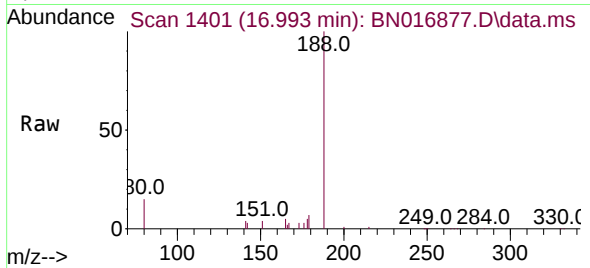


Tgt Ion:166 Resp: 120587
Ion Ratio Lower Upper
166 100
165 98.3 78.1 117.1
167 16.2 10.7 16.1#

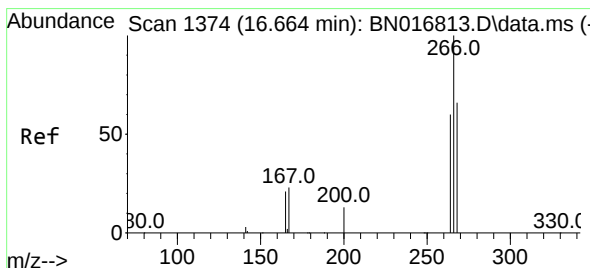
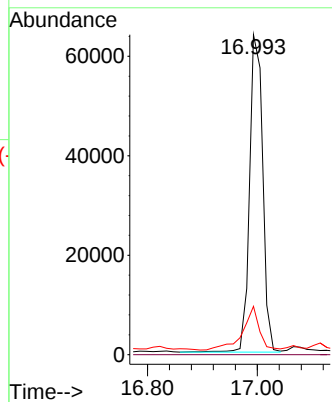
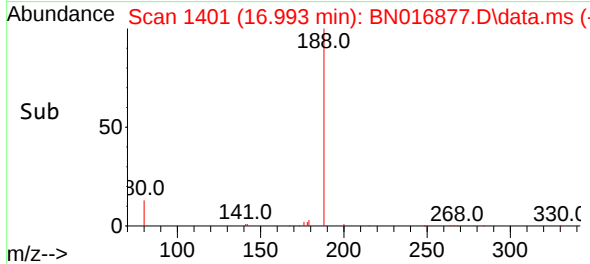




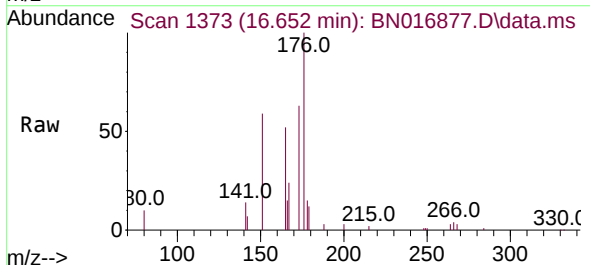
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



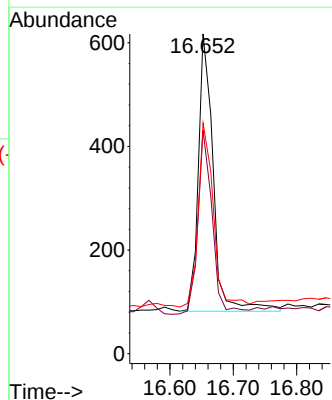
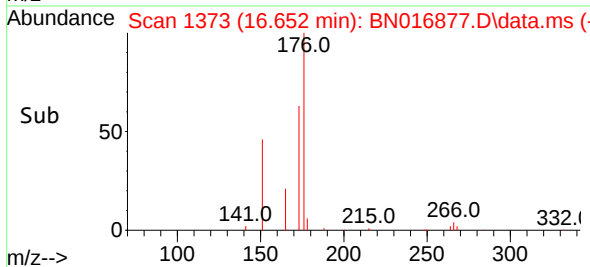
Tgt Ion:188 Resp: 106484
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.1 5.8 8.8#



#24
Pentachlorophenol
Concen: 0.128 ng
RT: 16.652 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



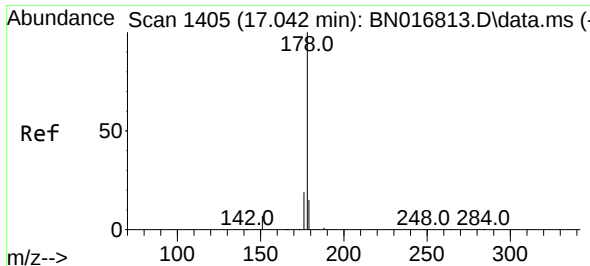
Tgt Ion:266 Resp: 873
Ion Ratio Lower Upper
266 100
264 64.0 49.3 73.9
268 67.7 51.8 77.8



Instrument :
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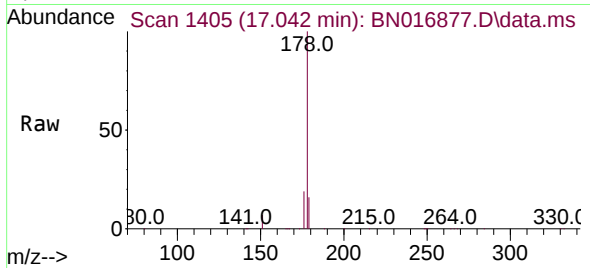
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#25
Phenanthrene
Concen: 6.858 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

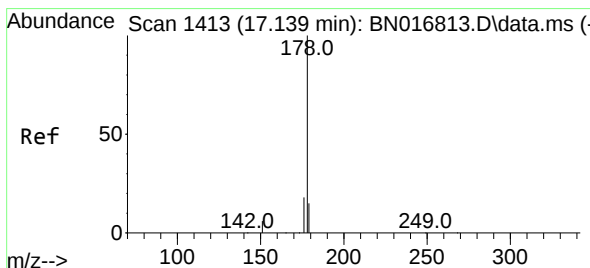
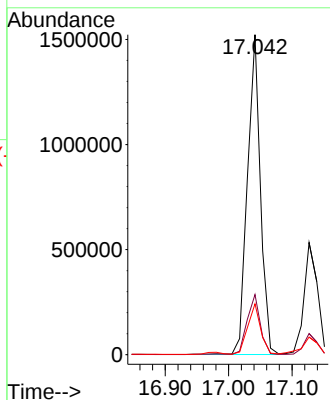
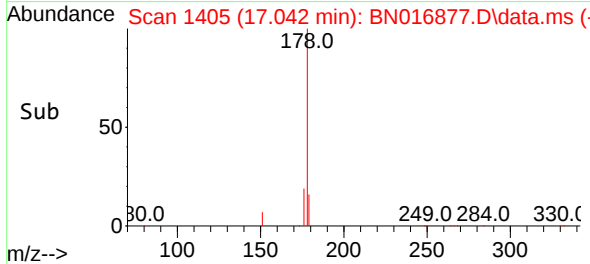
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721



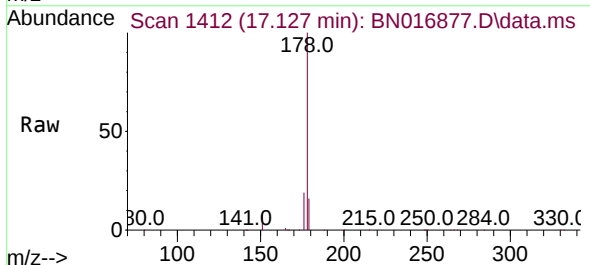
Tgt Ion:178 Resp: 2168918
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.7 12.4 18.6

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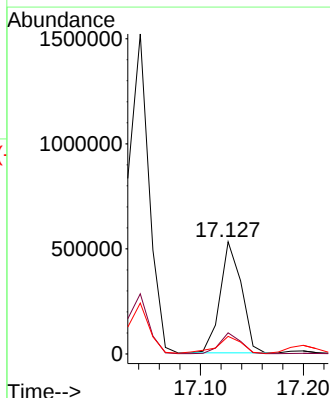
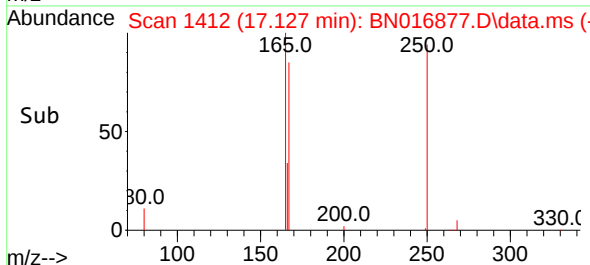
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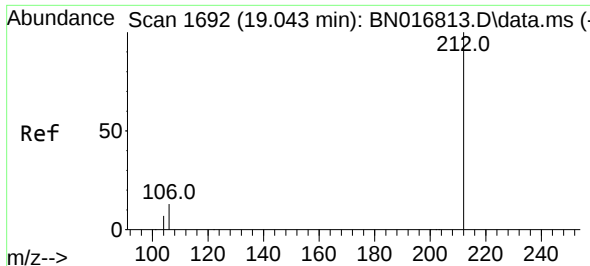


#26
Anthracene
Concen: 2.716 ng
RT: 17.127 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

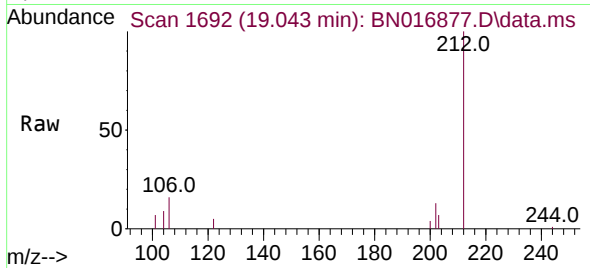


Tgt Ion:178 Resp: 763047
Ion Ratio Lower Upper
178 100
176 18.2 14.5 21.7
179 17.8 12.2 18.4

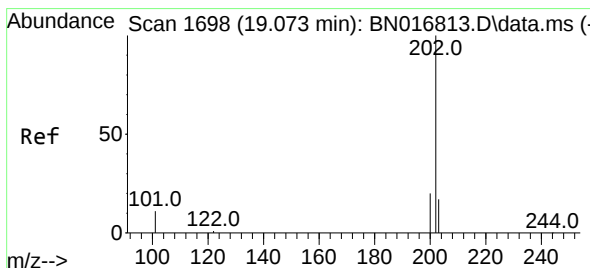
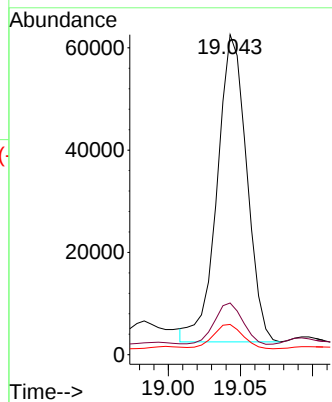
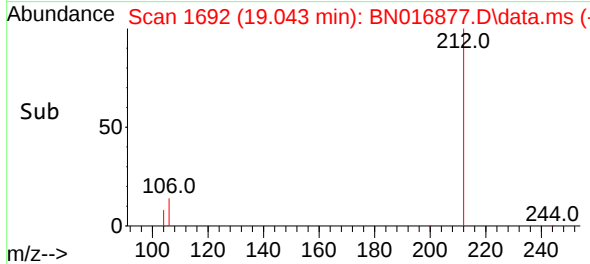




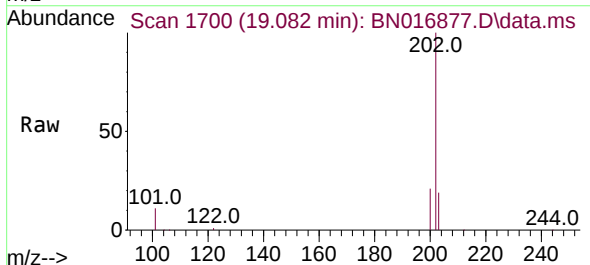
#27
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



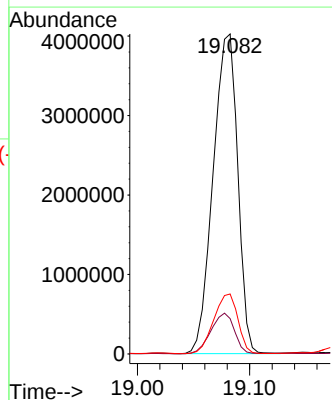
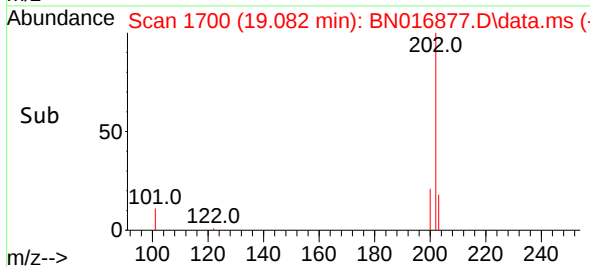
Tgt Ion:212 Resp: 85390
Ion Ratio Lower Upper
212 100
106 12.8 10.6 16.0
104 7.9 5.8 8.8



#28
Fluoranthene
Concen: 17.259 ng
RT: 19.082 min Scan# 1700
Delta R.T. 0.010 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



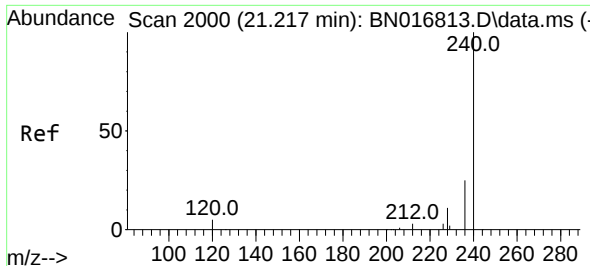
Tgt Ion:202 Resp: 6129585
Ion Ratio Lower Upper
202 100
101 12.2 8.9 13.3
203 18.3 13.8 20.8



Instrument :
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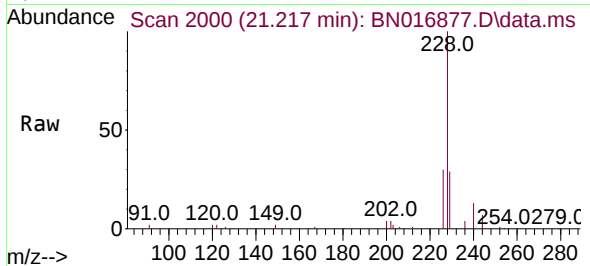
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

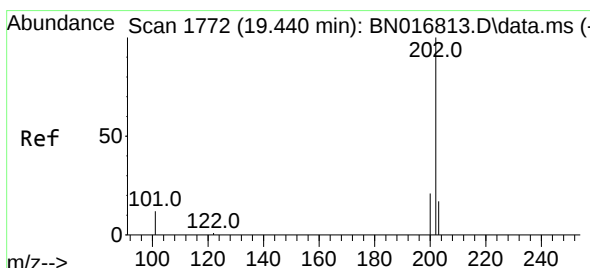
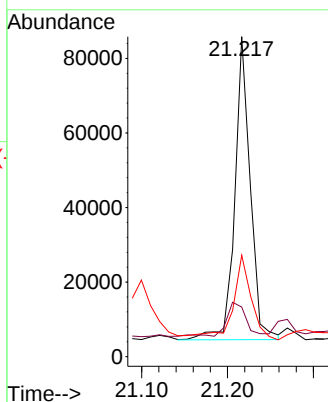
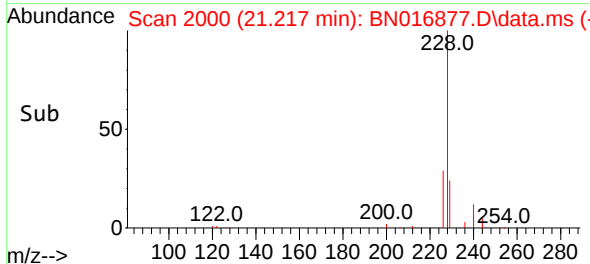
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721



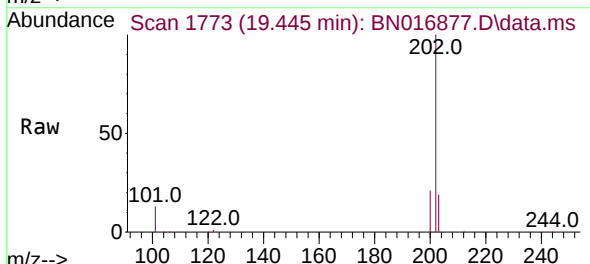
Tgt Ion:240 Resp: 101703
Ion Ratio Lower Upper
240 100
120 15.5 6.6 10.0#
236 31.7 20.7 31.1#

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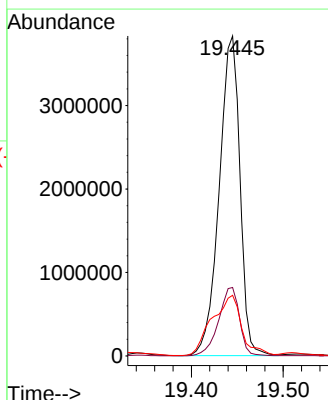
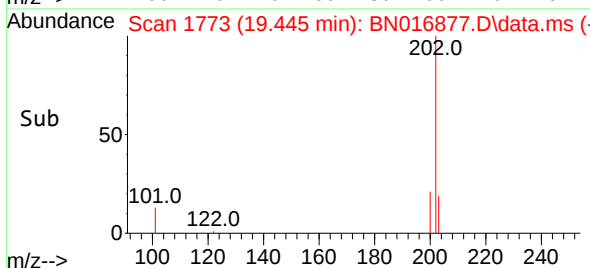
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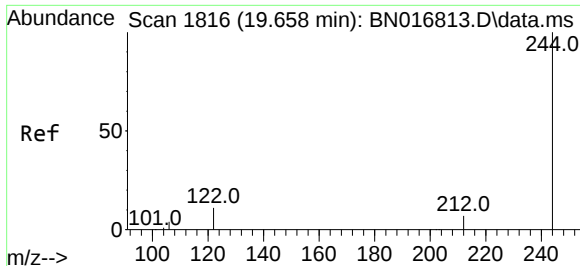


#30
Pyrene
Concen: 19.211 ng
RT: 19.445 min Scan# 1773
Delta R.T. 0.010 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



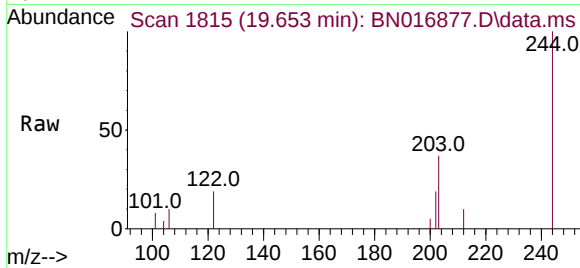
Tgt Ion:202 Resp: 6007947
Ion Ratio Lower Upper
202 100
200 21.5 16.5 24.7
203 26.8 13.9 20.9#





#31
Terphenyl-d14
Concen: 0.337 ng
RT: 19.653 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

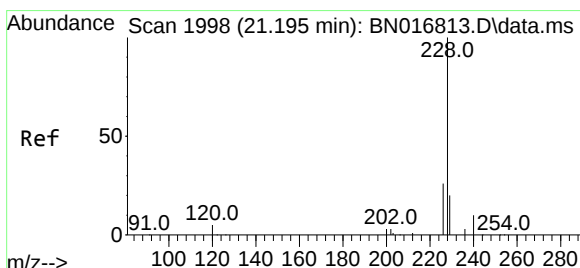
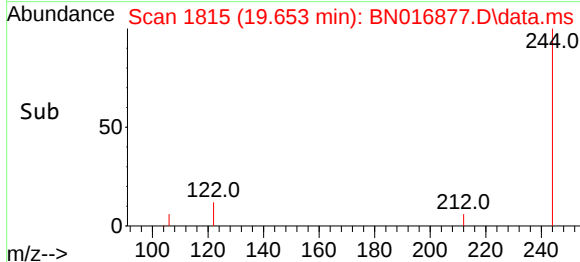
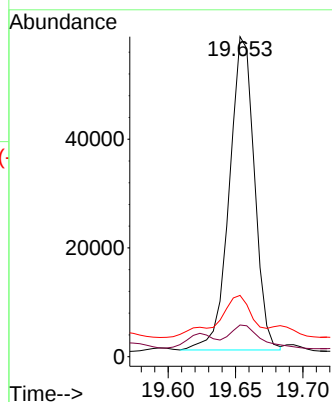
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:244 Resp: 74664
Ion Ratio Lower Upper
244 100
212 9.9 5.8 8.6#
122 19.2 8.9 13.3#

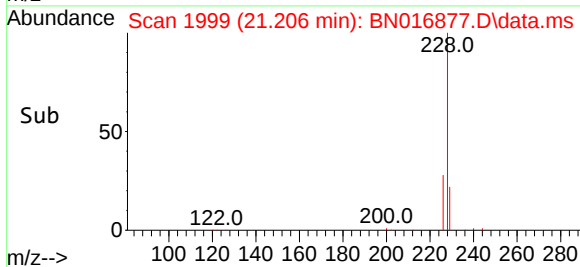
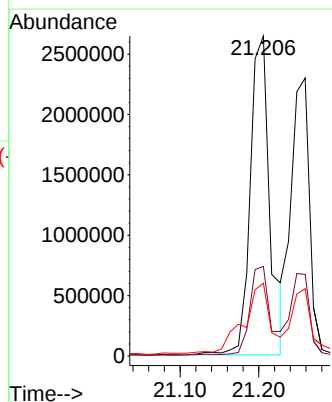
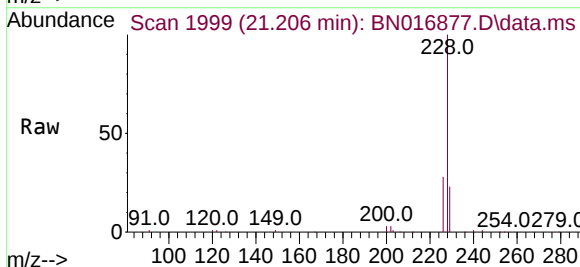
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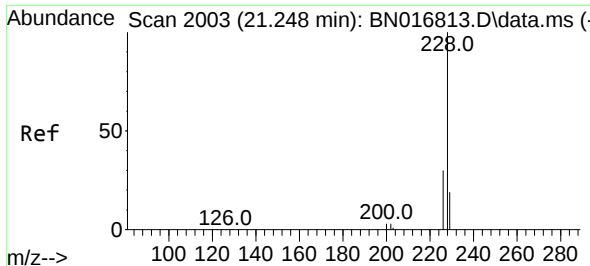
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#32
Benzo(a)anthracene
Concen: 14.589 ng
RT: 21.206 min Scan# 1999
Delta R.T. 0.011 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

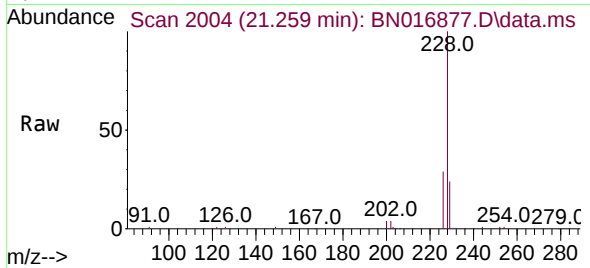
Tgt Ion:228 Resp: 4588962
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 22.7 15.4 23.0





#33
Chrysene
Concen: 11.613 ng m
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

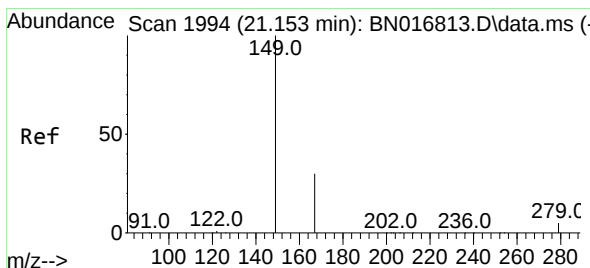
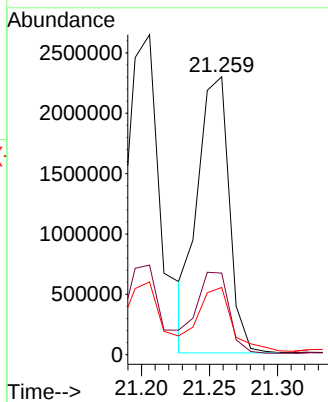
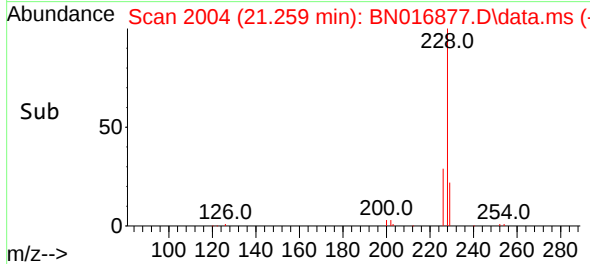
Instrument :
BNA_N
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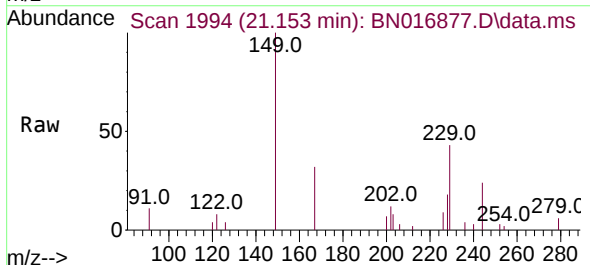
Tgt Ion:228 Resp: 3720107
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 24.2 15.4 23.0#

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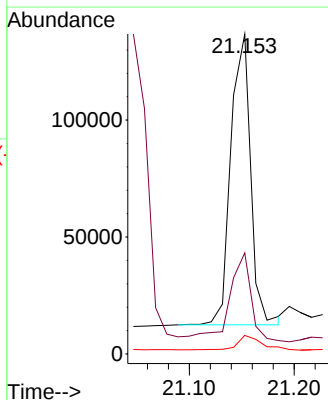
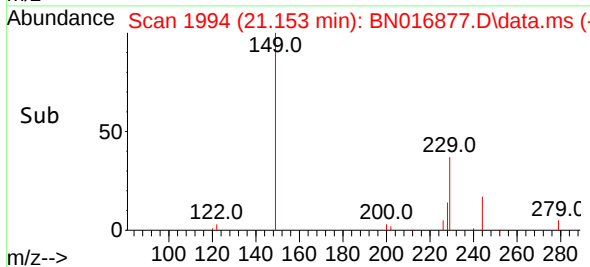
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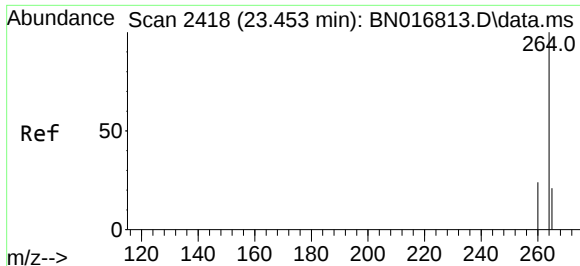


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.023 ng
RT: 21.153 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

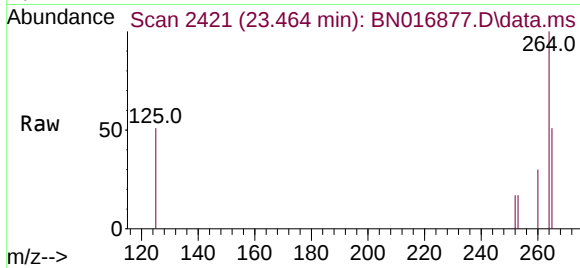


Tgt Ion:149 Resp: 163583
Ion Ratio Lower Upper
149 100
167 34.3 22.2 33.4#
279 6.2 3.4 5.2#

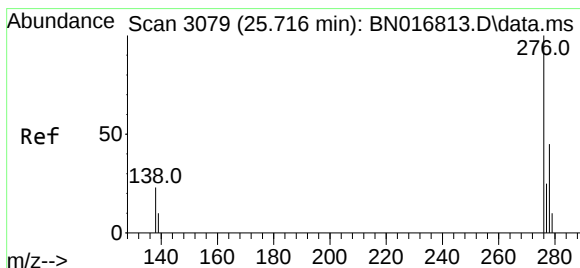
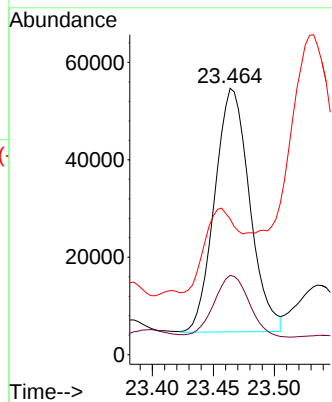
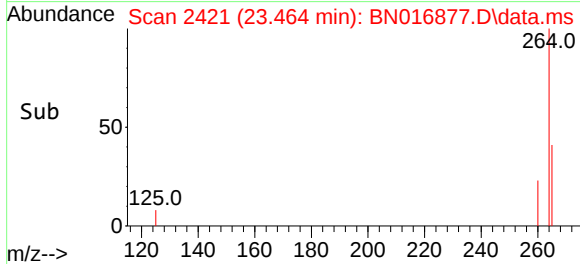




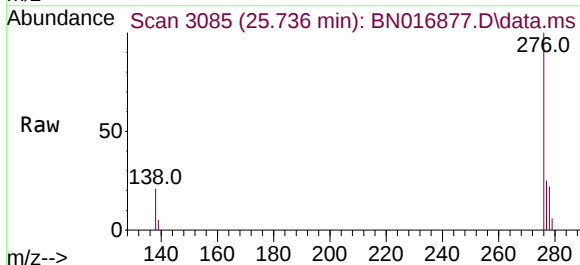
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.464 min Scan# 2421
Delta R.T. 0.010 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



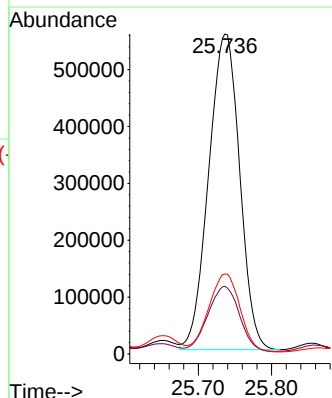
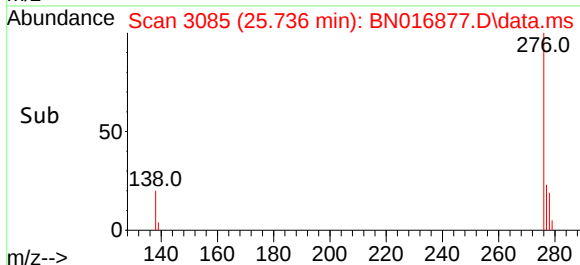
Tgt Ion:264 Resp: 99800
Ion Ratio Lower Upper
264 100
260 29.8 19.8 29.6#
265 51.0 20.3 30.5#



#36
Indeno(1,2,3-cd)pyrene
Concen: 4.323 ng
RT: 25.736 min Scan# 3085
Delta R.T. 0.021 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12



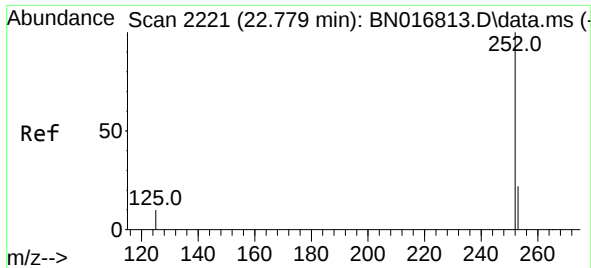
Tgt Ion:276 Resp: 1633775
Ion Ratio Lower Upper
276 100
138 21.0 19.2 28.8
277 25.0 20.0 30.0



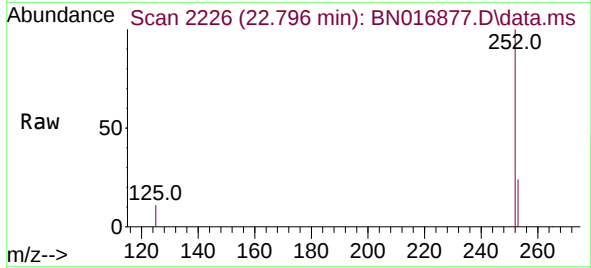
Instrument :
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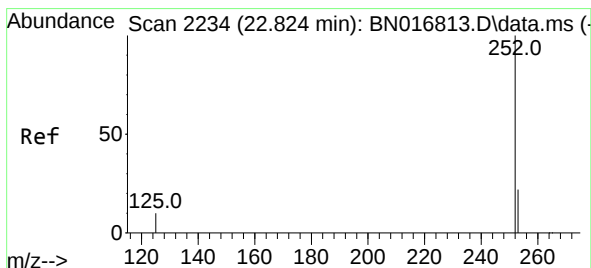
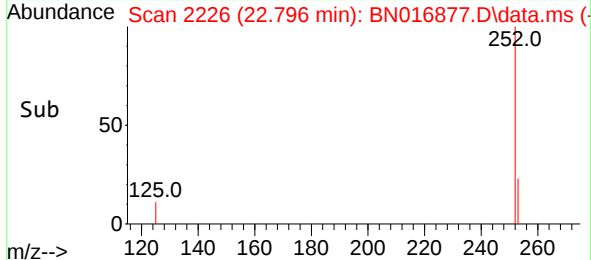
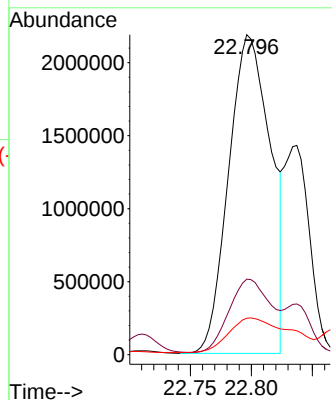
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#37
Benzo(b)fluoranthene
Concen: 16.458 ng
RT: 22.796 min Scan# 2226
Delta R.T. 0.017 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

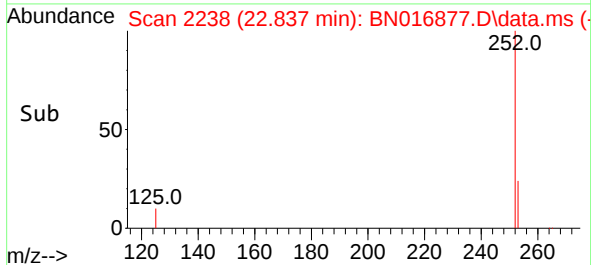
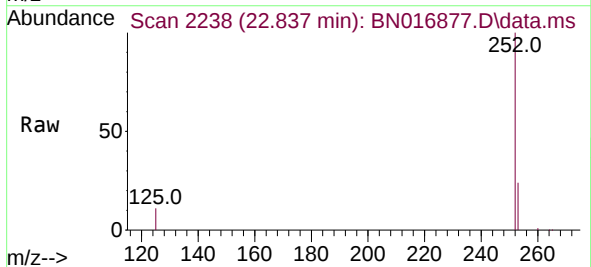
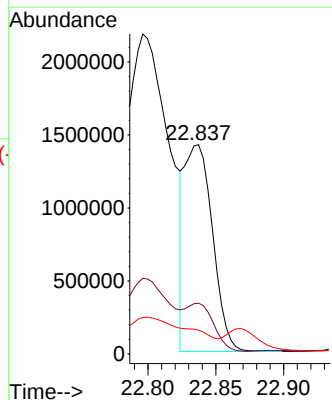


Tgt Ion:252 Resp: 5199232
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.4 8.3 12.5



#38
Benzo(k)fluoranthene
Concen: 6.594 ng m
RT: 22.837 min Scan# 2238
Delta R.T. 0.014 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

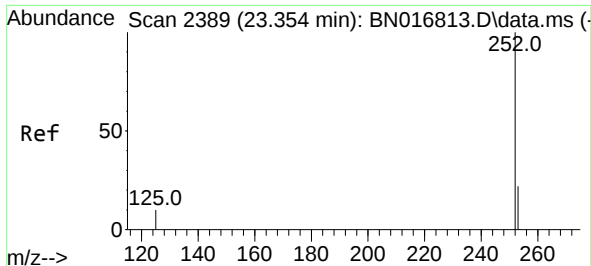
Tgt Ion:252 Resp: 2025391
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 11.4 8.5 12.7



Instrument :
BNA_N
ClientSampleId :
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#39

Benzo(a)pyrene

Concen: 13.355 ng

RT: 23.371 min Scan# 2394

Delta R.T. 0.017 min

Lab File: BN016877.D

Acq: 09 Oct 2021 12:12

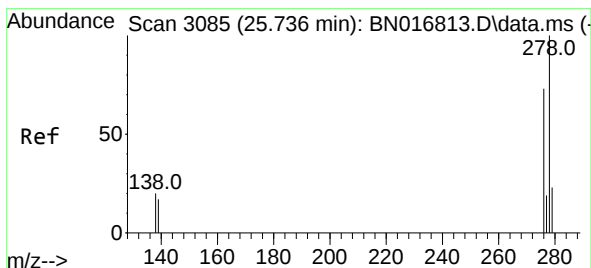
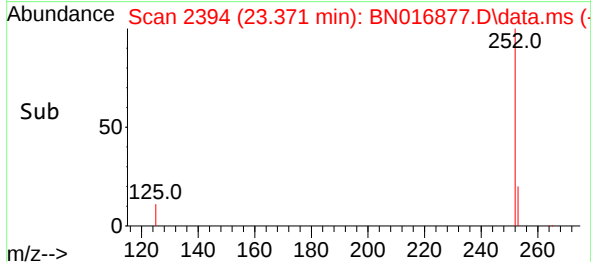
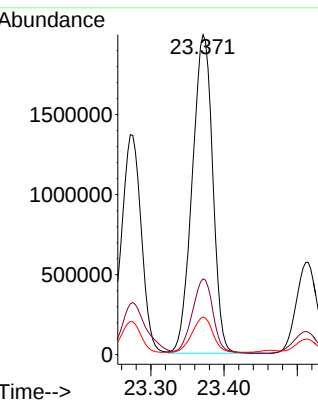
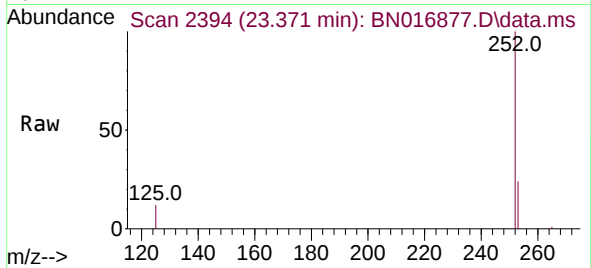
Tgt Ion:252 Resp: 3854944

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 11.8 9.4 14.2



#40

Dibenzo(a,h)anthracene

Concen: 1.366 ng

RT: 25.747 min Scan# 3088

Delta R.T. 0.007 min

Lab File: BN016877.D

Acq: 09 Oct 2021 12:12

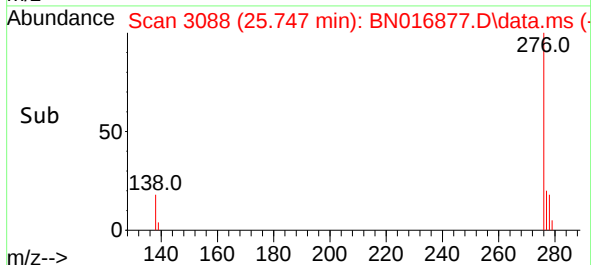
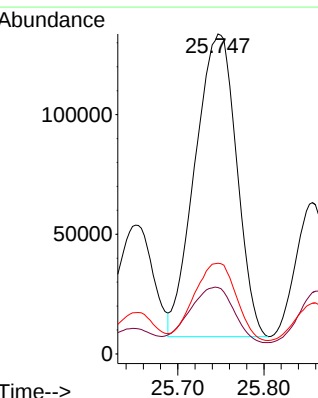
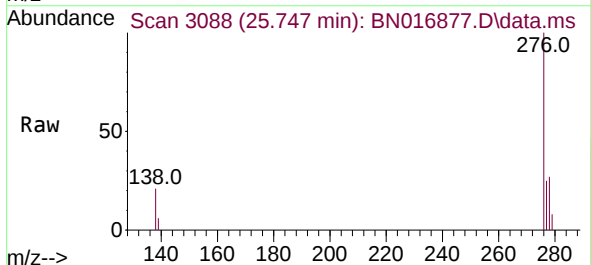
Tgt Ion:278 Resp: 422661

Ion Ratio Lower Upper

278 100

139 20.8 13.1 19.7#

279 28.4 19.3 28.9



Instrument :

BNA_N

ClientSampleId :

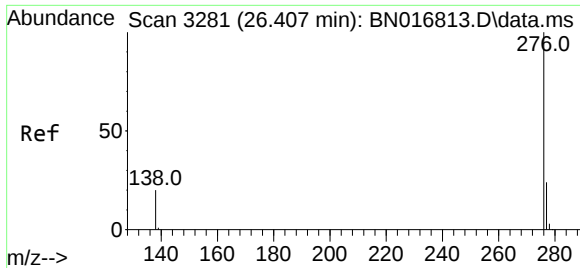
S-830-J-SO-1-1.5-092721

Manual Integrations

APPROVED

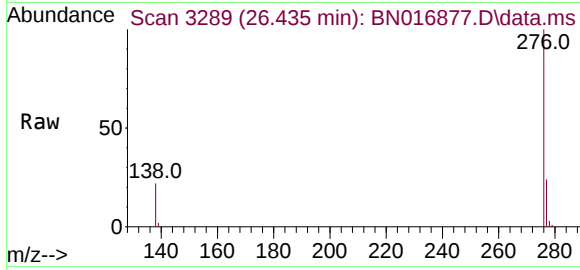
mohammad

10/11/2021 2:12:50 PM



#41
Benzo(g,h,i)perylene
Concen: 4.414 ng
RT: 26.435 min Scan# 3289
Delta R.T. 0.027 min
Lab File: BN016877.D
Acq: 09 Oct 2021 12:12

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721



Tgt Ion:276 Resp: 1450607
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 21.6 17.0 25.6

Manual Integrations
APPROVED

mohammad
10/11/2021 2:12:50 PM

