

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018270.D
 Acq On : 29 Dec 2021 20:38
 Operator : CG/JU
 Sample : M5107-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-02

Quant Time: Dec 30 02:24:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	25960	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	108547	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	67504	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	130668	0.400	ng	0.00
29) Chrysene-d12	21.195	240	73174	0.400	ng	# 0.00
35) Perylene-d12	23.440	264	80037	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	77	0.001	ng	0.03
5) Phenol-d6	6.840	99	967	0.019	ng	0.00
8) Nitrobenzene-d5	8.784	82	22875m	0.421	ng	0.00
11) 2-Methylnaphthalene-d10	12.012	152	51572	0.282	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	126	0.308	ng	0.03
15) 2-Fluorobiphenyl	12.898	172	81243	0.318	ng	0.00
27) Fluoranthene-d10	19.038	212	110591	0.266	ng	0.00
31) Terphenyl-d14	19.644	244	80465	0.433	ng	0.00
Target Compounds						
9) Naphthalene	10.470	128	16645	0.062	ng	96
12) 2-Methylnaphthalene	12.083	142	13373	0.078	ng	97
25) Phenanthrene	17.042	178	106066m	0.308	ng	
26) Anthracene	17.139	178	11044	0.078	ng	# 82
28) Fluoranthene	19.068	202	145199	0.360	ng	99
30) Pyrene	19.430	202	115816	0.404	ng	97
32) Benzo(a)anthracene	21.185	228	44783	0.246	ng	# 60
33) Chrysene	21.238	228	52697	0.224	ng	# 69
34) Bis(2-ethylhexyl)phtha...	21.132	149	534775	5.855	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.706	276	31734	0.166	ng	# 93
37) Benzo(b)fluoranthene	22.766	252	56679	0.223	ng	# 1
38) Benzo(k)fluoranthene	22.810	252	25202	0.105	ng	# 1
39) Benzo(a)pyrene	23.341	252	35304	0.160	ng	# 1
40) Dibenzo(a,h)anthracene	25.723	278	15177	0.111	ng	# 1
41) Benzo(g,h,i)perylene	26.401	276	33547	0.176	ng	# 4

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

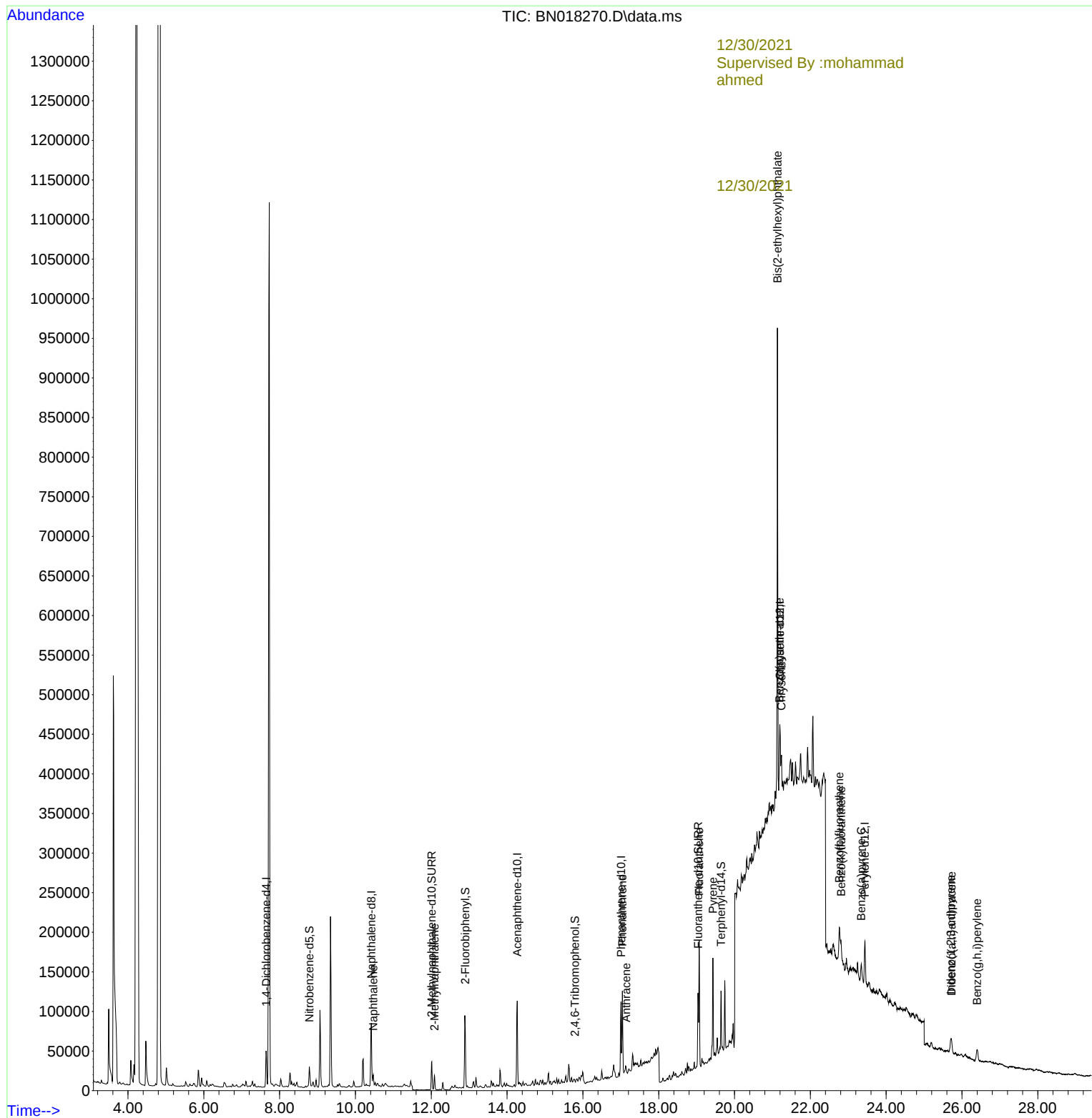
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018270.D
Acq On : 29 Dec 2021 20:38
Operator : CG/JU
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ALS Vial : 18 Sample Multiplier: 1

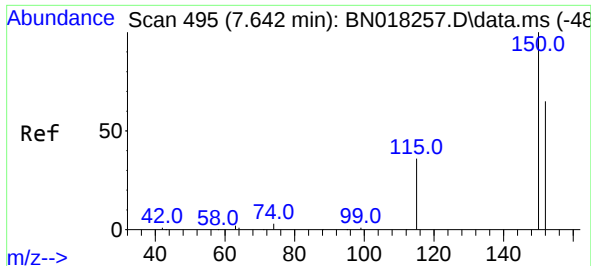
Instrument :
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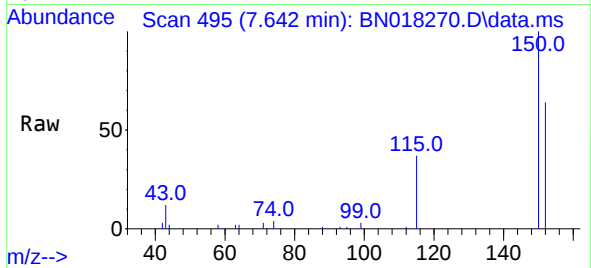
Quant Time: Dec 30 02:24:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 29 16:08:47 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

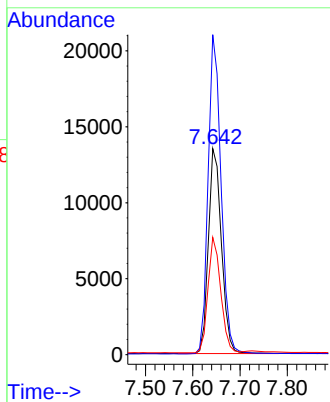
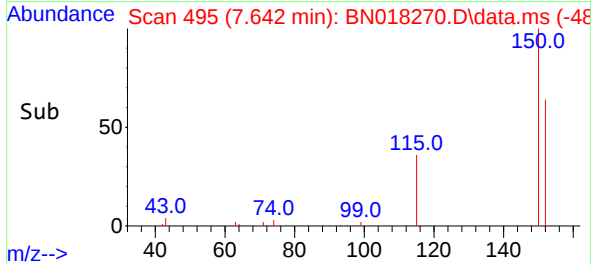
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:152 Resp: 25960
Ion Ratio Lower Upper
152 100
150 155.2 121.7 182.5
115 56.9 43.8 65.8

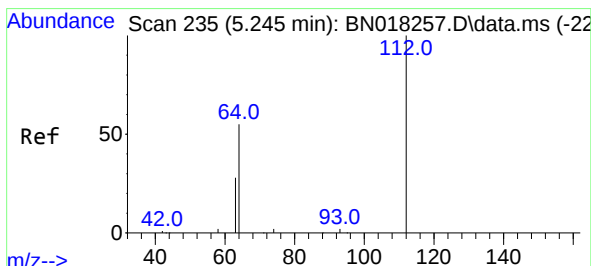
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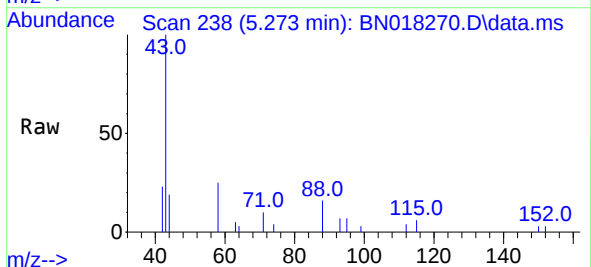


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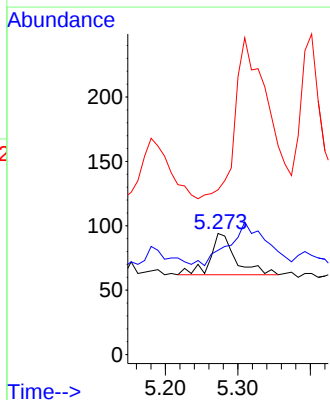
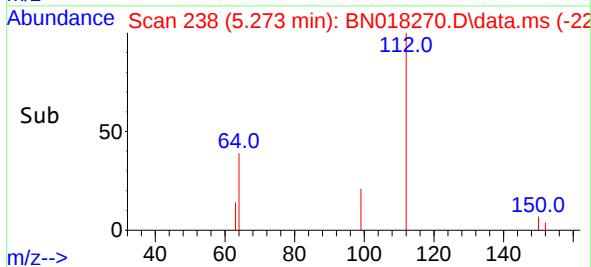
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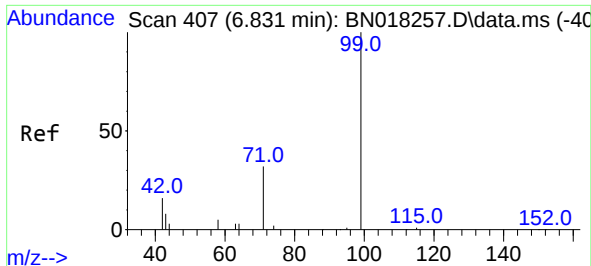


#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



Tgt Ion:112 Resp: 77
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#





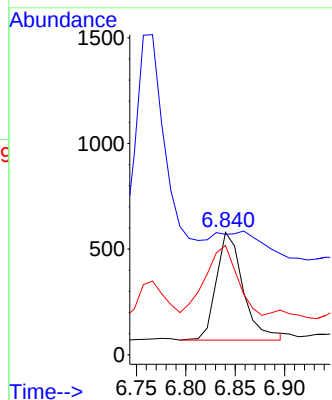
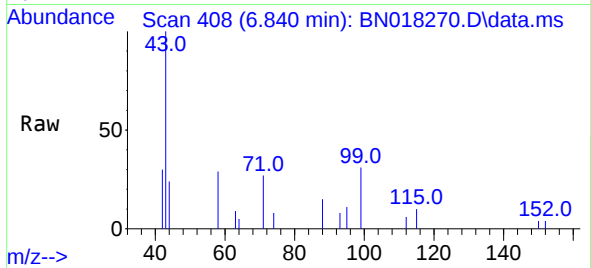
#5
Phenol-d6
Concen: 0.019 ng
RT: 6.840 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

Instrument :
BNA_N
ClientSampleId :
OB-CS-02

Tgt Ion: 99 Resp: 96
Ion Ratio Lower Upper
99 100
42 34.7 16.3 24.5
71 76.2 26.8 40.2

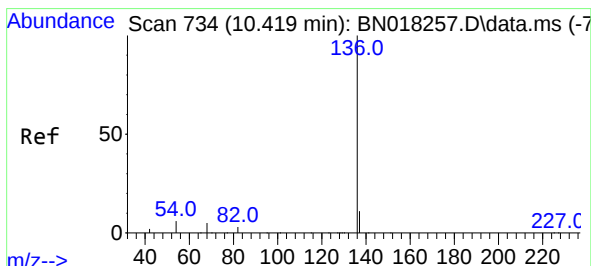
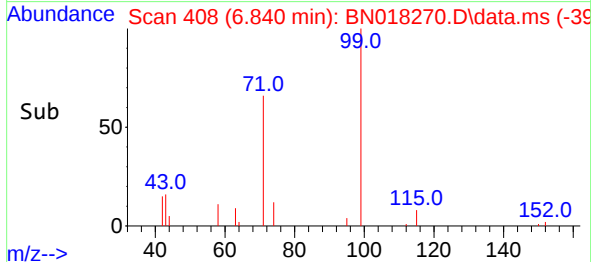
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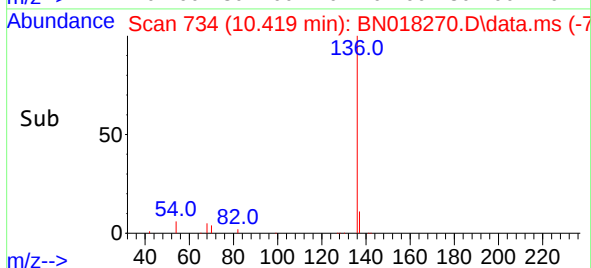
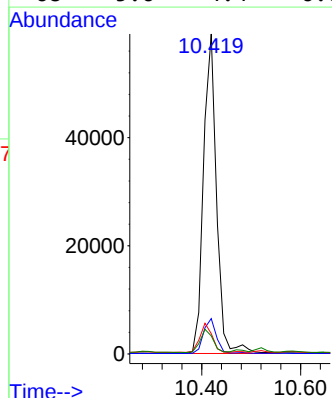
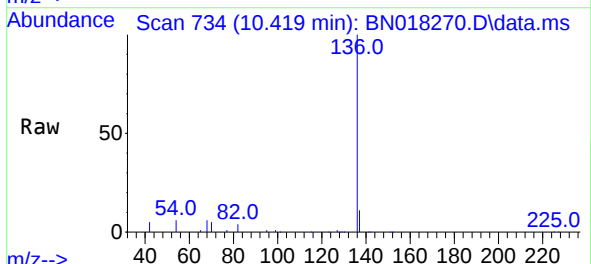
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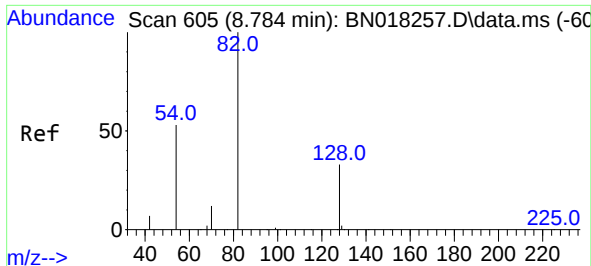
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

Tgt Ion:136 Resp: 108547
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.3 5.0 7.6
68 5.6 4.4 6.6





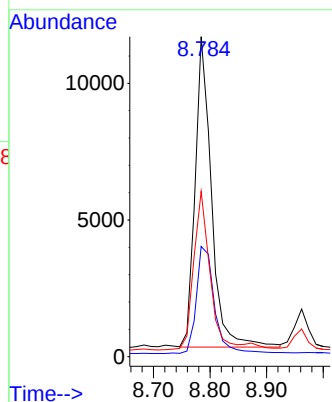
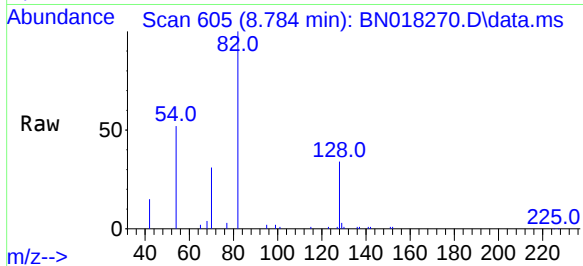
#8
Nitrobenzene-d5
Concen: 0.421 ng m
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 22875
Ion Ratio Lower Upper
82 100
128 34.4 33.7 50.5
54 51.7 36.6 55.0

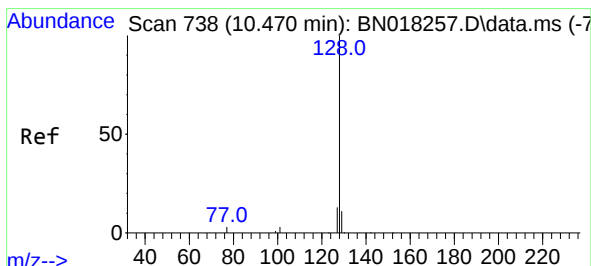
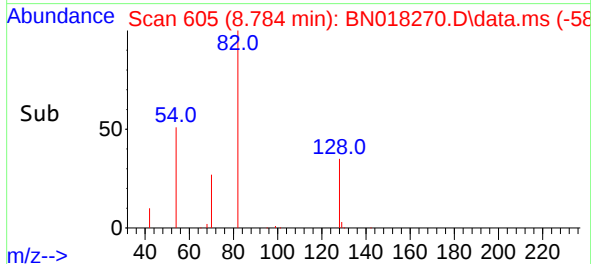
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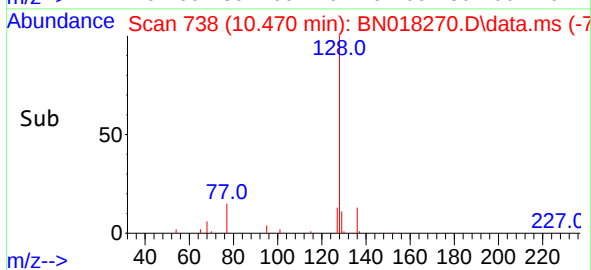
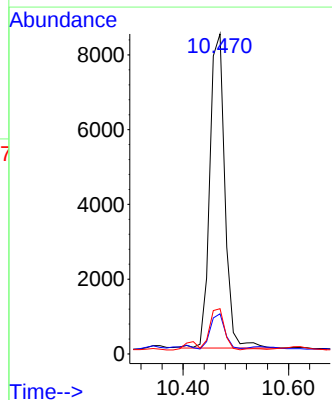
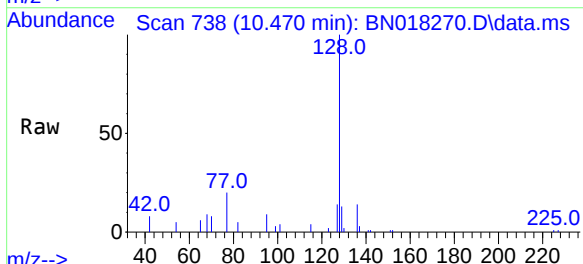
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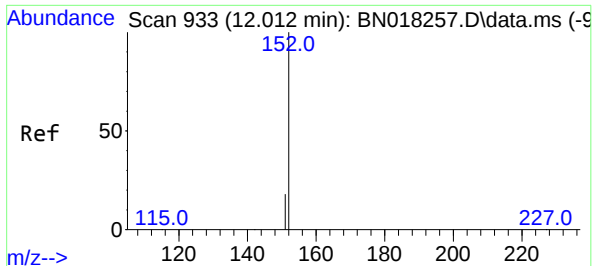
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#9
Naphthalene
Concen: 0.062 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

Tgt Ion:128 Resp: 16645
Ion Ratio Lower Upper
128 100
129 12.6 8.7 13.1
127 14.1 10.4 15.6





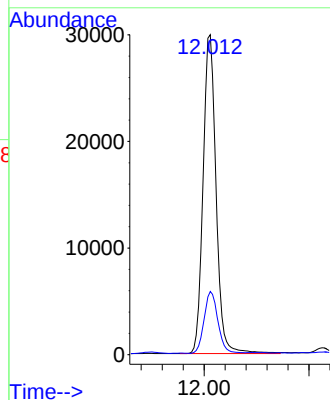
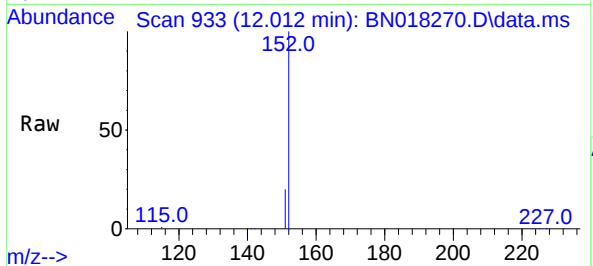
#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.012 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

Instrument :
BNA_N
ClientSampleId :
OB-CS-02

Tgt Ion:152 Resp: 51572
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2

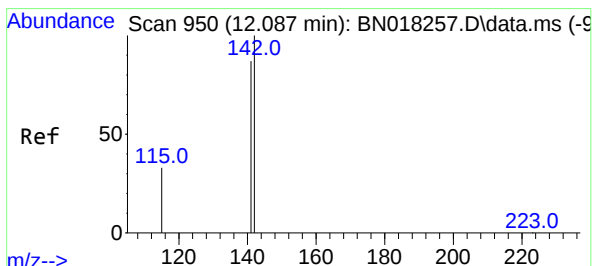
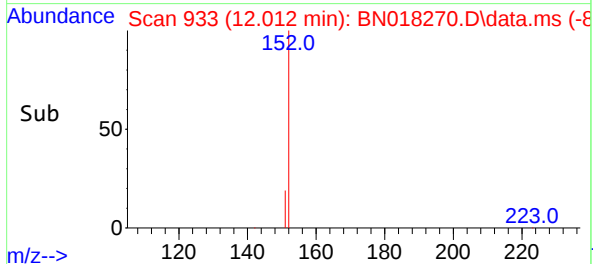
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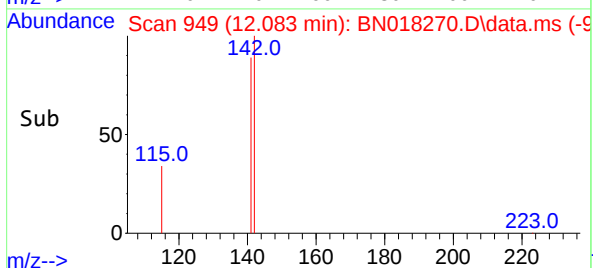
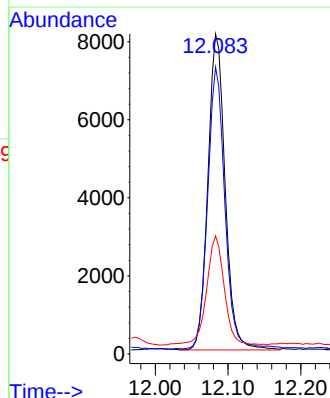
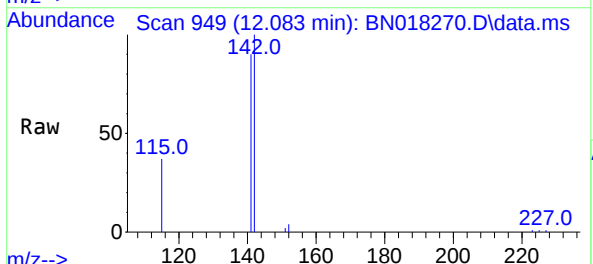
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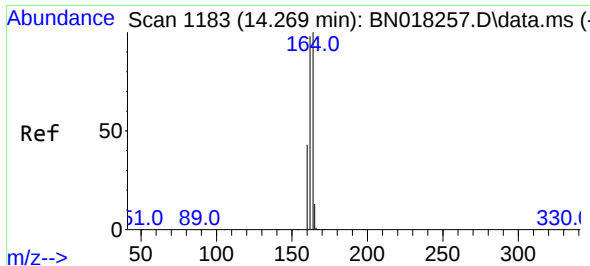
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#12
2-Methylnaphthalene
Concen: 0.078 ng
RT: 12.083 min Scan# 949
Delta R.T. -0.005 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

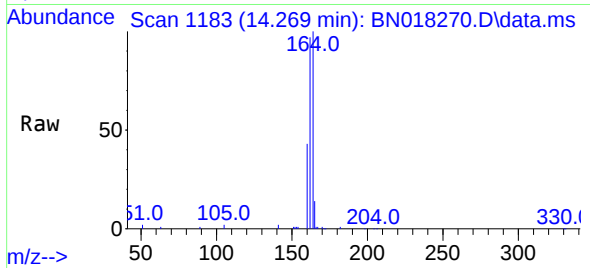
Tgt Ion:142 Resp: 13373
Ion Ratio Lower Upper
142 100
141 89.7 70.0 105.0
115 36.9 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

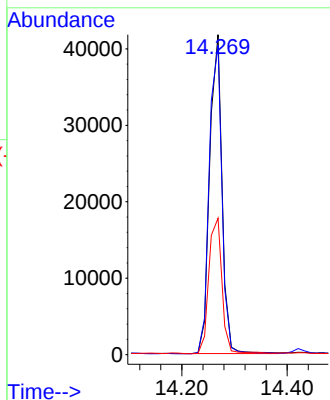
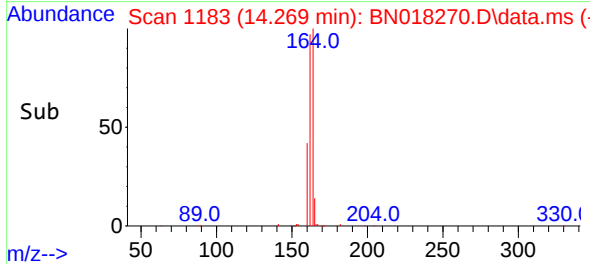
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:164 Resp: 67504
Ion Ratio Lower Upper
164 100
162 96.7 80.2 120.2
160 42.6 36.9 55.3

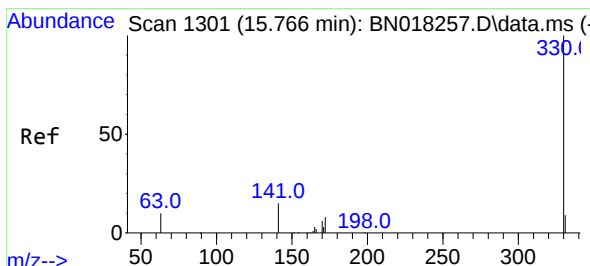
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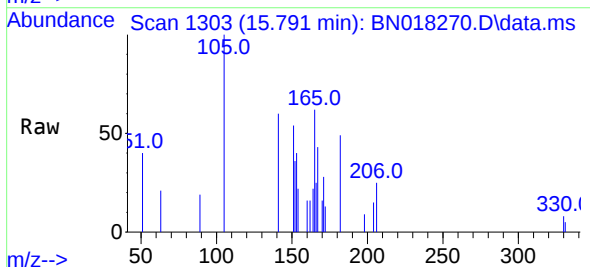


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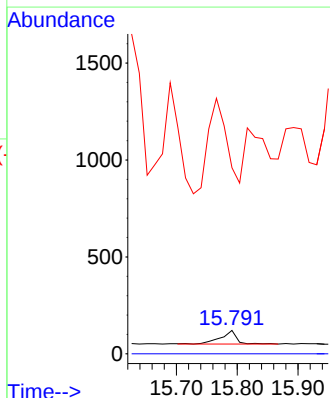
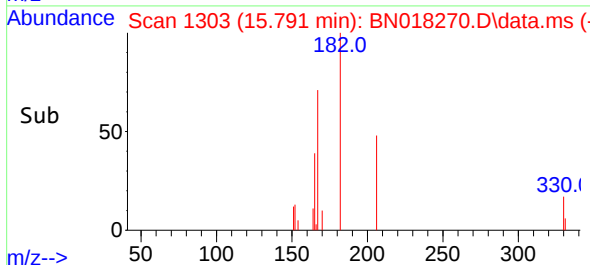
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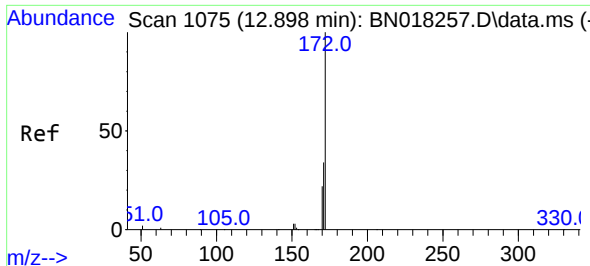


#14
2,4,6-Tribromophenol
Concen: 0.308 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.025 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



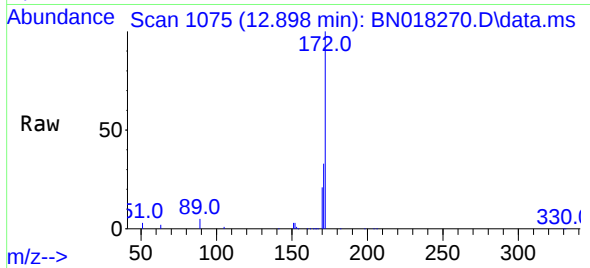
Tgt Ion:330 Resp: 126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.898 min Scan# 1075
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

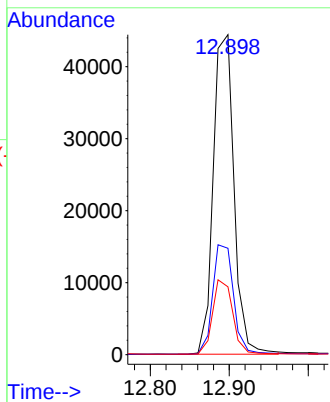
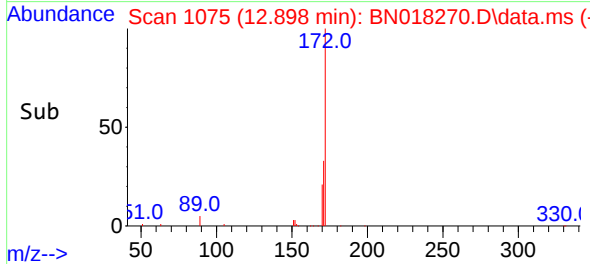
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:172 Resp: 8124
Ion Ratio Lower Upper
172 100
171 33.2 27.4 41.0
170 21.2 18.4 27.6

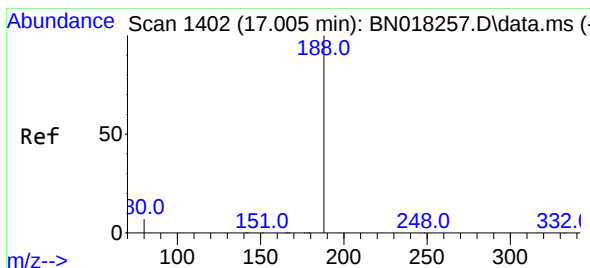
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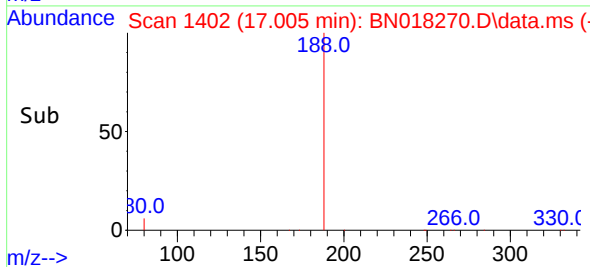
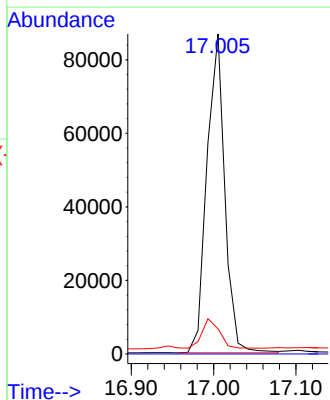
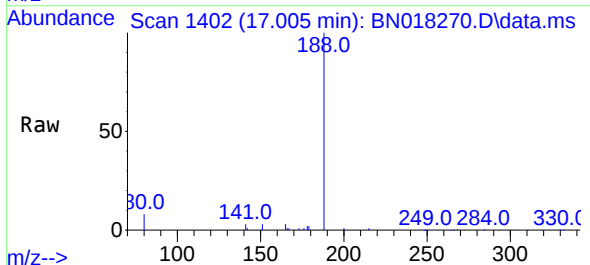
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ahmed

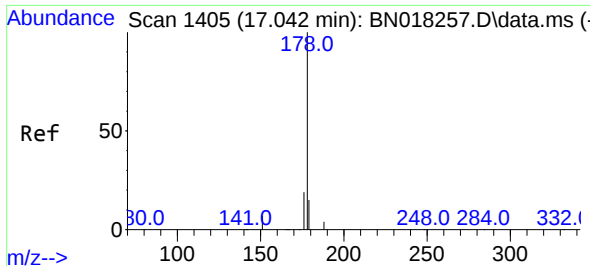
12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

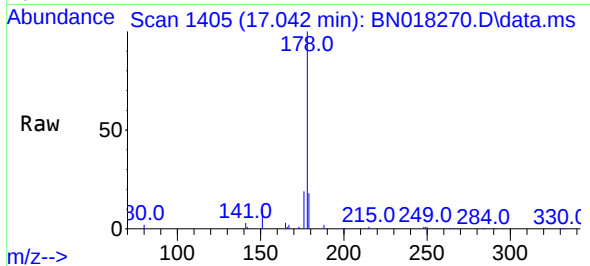
Tgt Ion:188 Resp: 130668
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 7.0 10.4





#25
Phenanthrene
Concen: 0.308 ng m
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

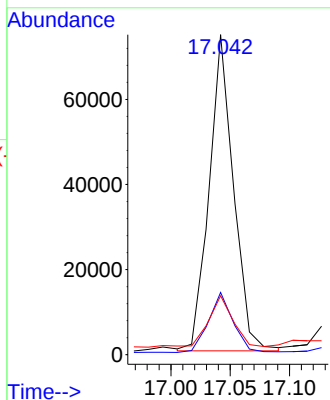
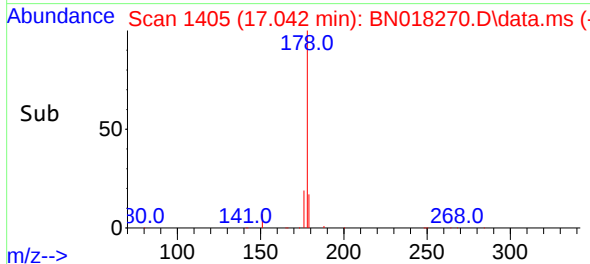
Instrument :
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Tgt Ion:178 Resp: 106060
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 19.7 12.3 18.5

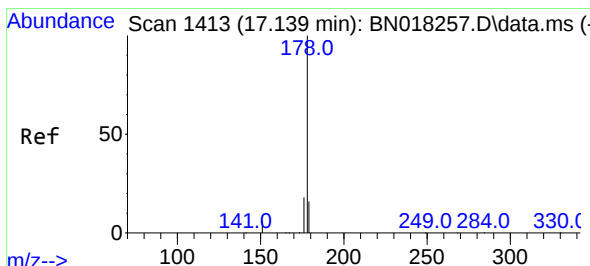
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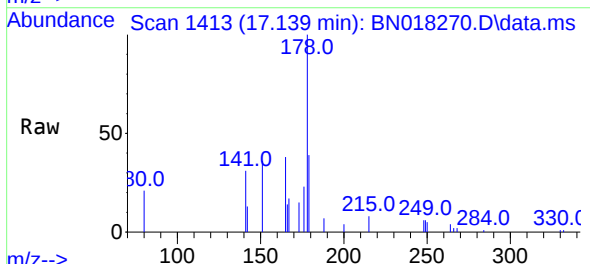


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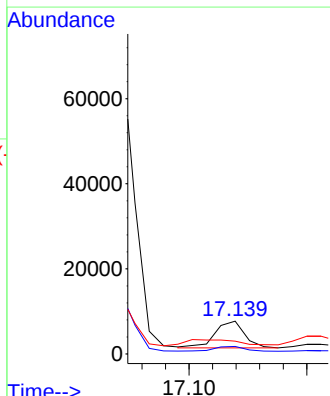
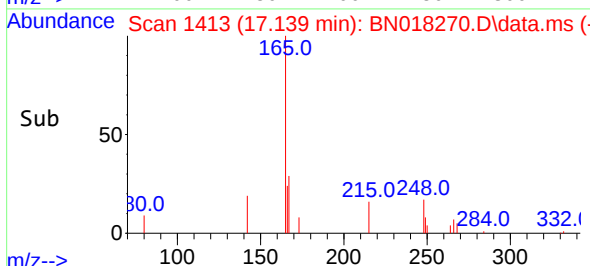
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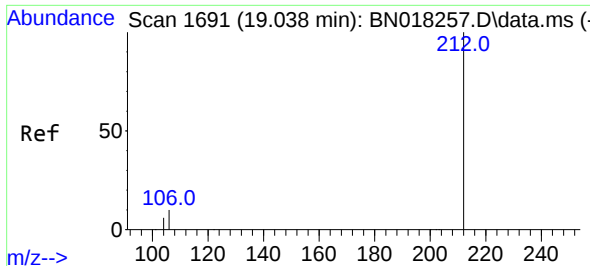


#26
Anthracene
Concen: 0.078 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



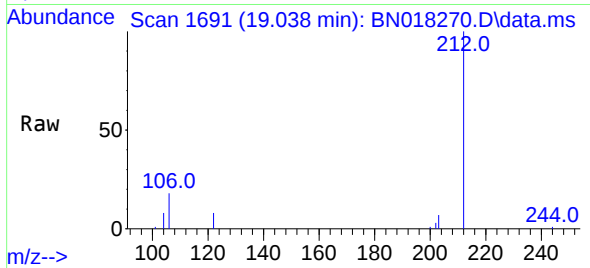
Tgt Ion:178 Resp: 11044
Ion Ratio Lower Upper
178 100
176 17.5 14.8 22.2
179 0.0 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.266 ng
RT: 19.038 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

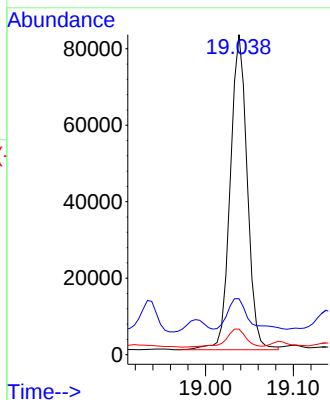
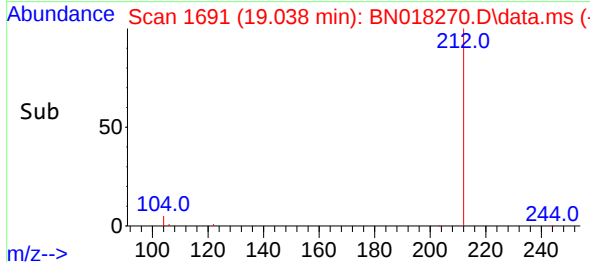
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:212 Resp: 11059
Ion Ratio Lower Upper
212 100
106 11.8 8.4 12.6
104 6.8 4.5 6.7

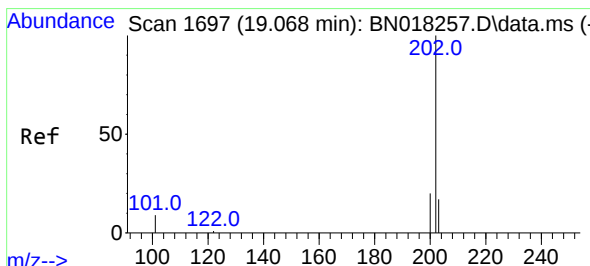
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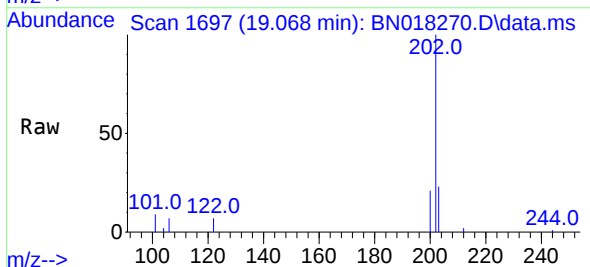


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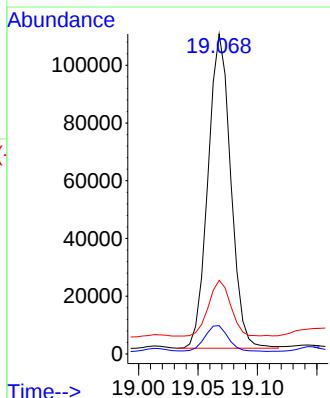
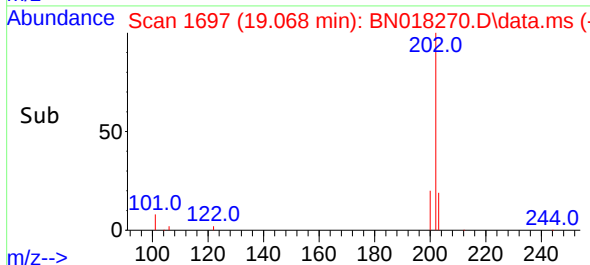
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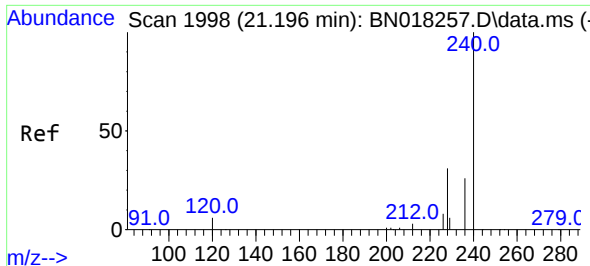


#28
Fluoranthene
Concen: 0.360 ng
RT: 19.068 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



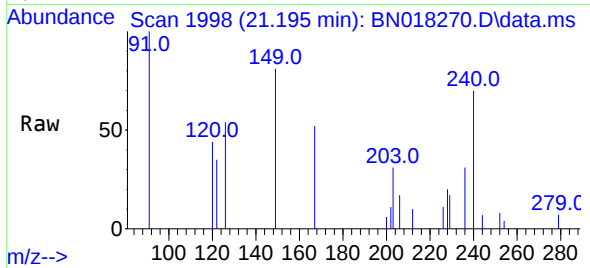
Tgt Ion:202 Resp: 145199
Ion Ratio Lower Upper
202 100
101 8.4 7.2 10.8
203 17.1 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

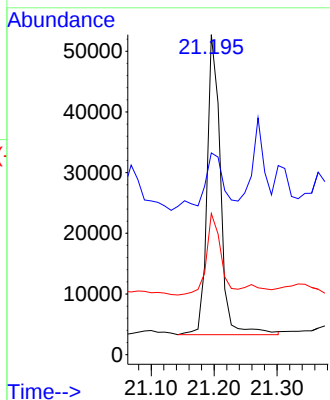
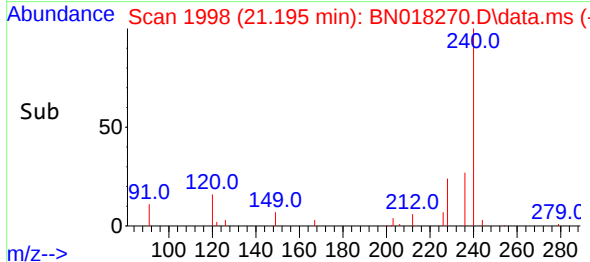
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:240 Resp: 73174
Ion Ratio Lower Upper
240 100
120 63.1 6.0 9.0
236 44.1 21.4 32.2

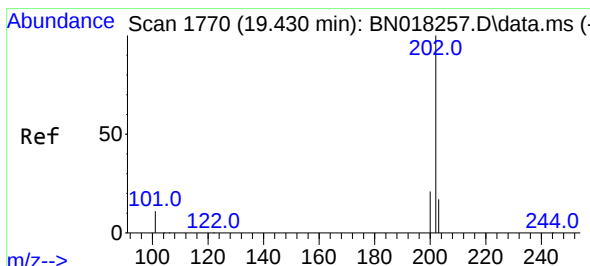
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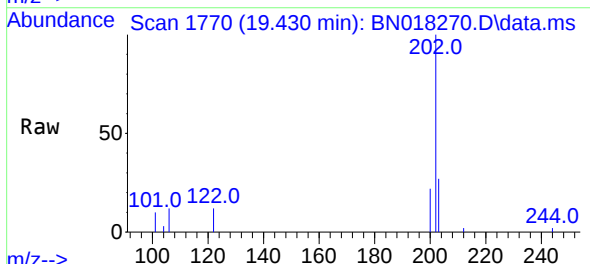


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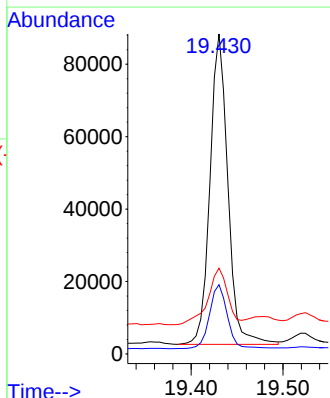
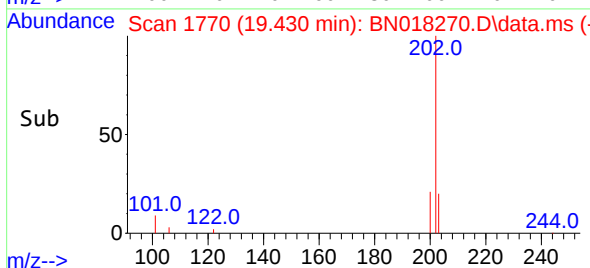
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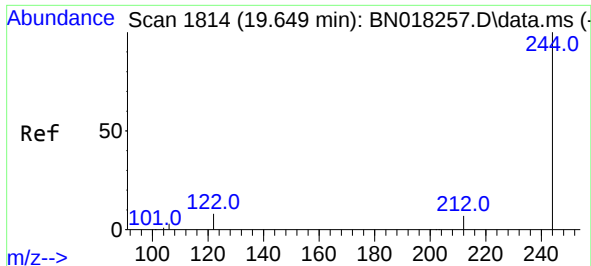


#30
Pyrene
Concen: 0.404 ng
RT: 19.430 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



Tgt Ion:202 Resp: 115816
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 20.0 14.1 21.1





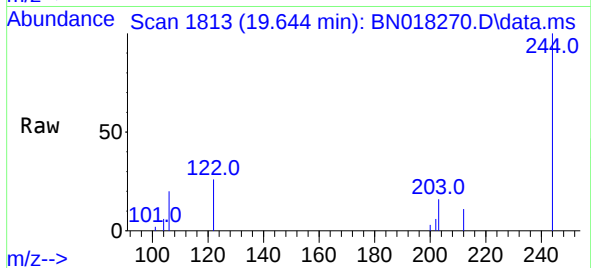
#31
 Terphenyl-d14
 Concen: 0.433 ng
 RT: 19.644 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN018270.D
 Acq: 29 Dec 2021 20:38

Instrument :

BNA_N

ClientSampleId :

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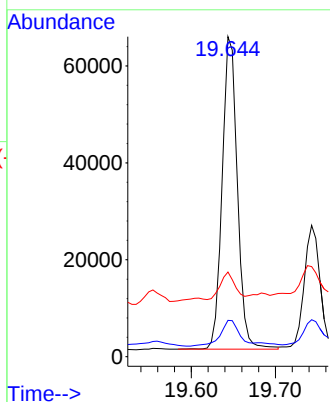
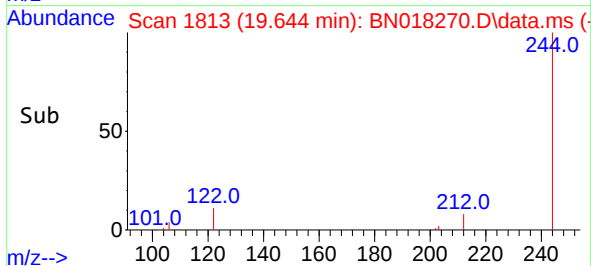


Tgt Ion:244 Resp: 8046
 Ion Ratio Lower Upper
 244 100
 212 11.4 6.2 9.2
 122 26.4 7.9 11.9

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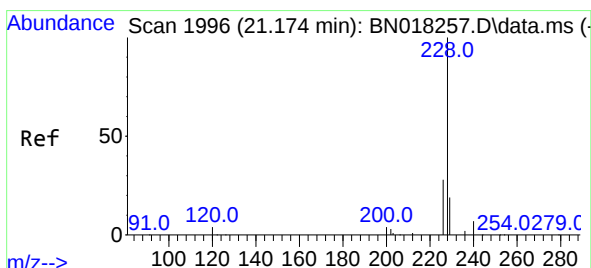
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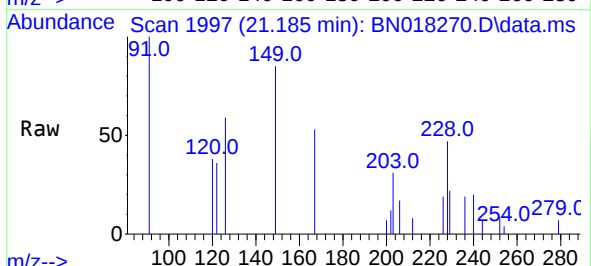


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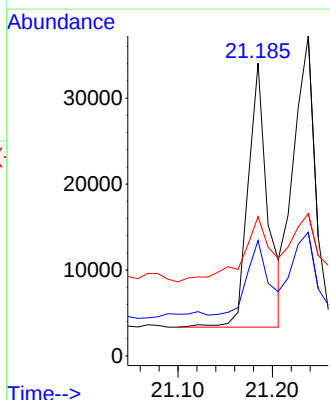
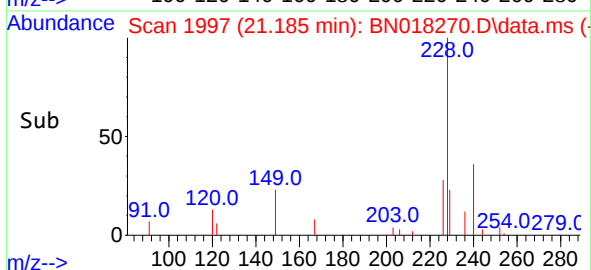
12/30/2021

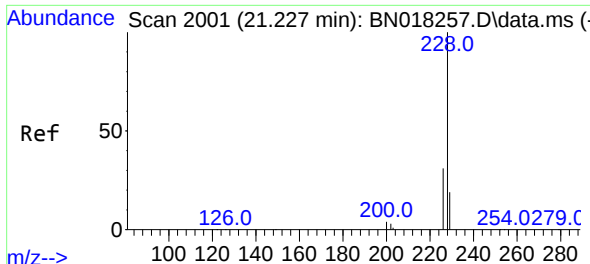


#32
 Benzo(a)anthracene
 Concen: 0.246 ng
 RT: 21.185 min Scan# 1997
 Delta R.T. 0.011 min
 Lab File: BN018270.D
 Acq: 29 Dec 2021 20:38



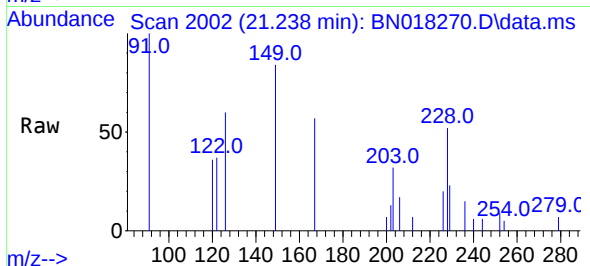
Tgt Ion:228 Resp: 44783
 Ion Ratio Lower Upper
 228 100
 226 39.4 21.3 31.9#
 229 47.6 15.9 23.9#





#33
Chrysene
Concen: 0.224 ng
RT: 21.238 min Scan# 2001
Delta R.T. 0.011 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

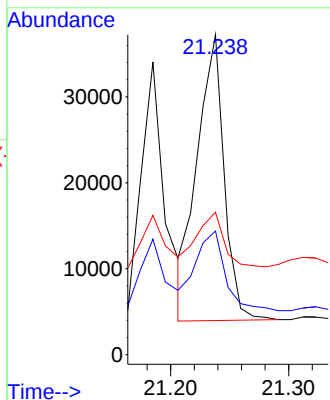
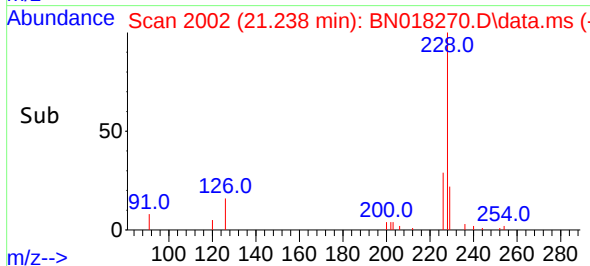
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:228 Resp: 5269
Ion Ratio Lower Upper
228 100
226 38.7 24.2 36.4
229 44.5 15.5 23.3

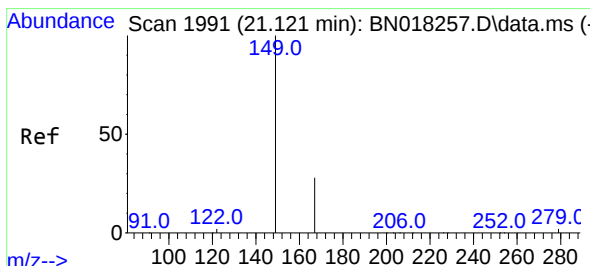
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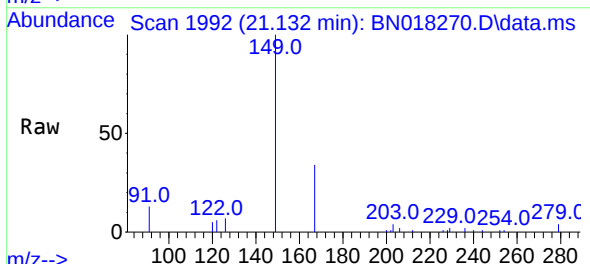


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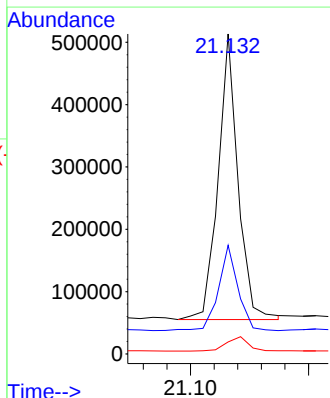
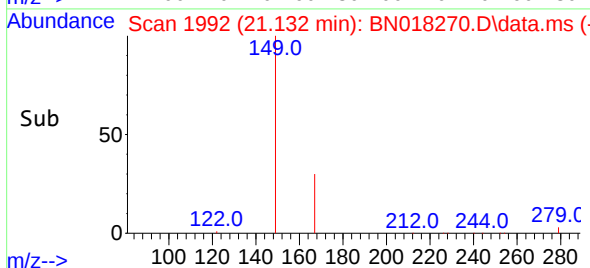
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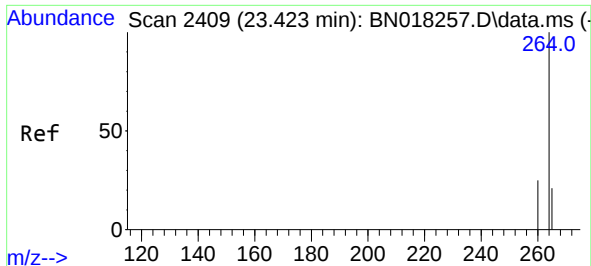


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.855 ng
RT: 21.132 min Scan# 1992
Delta R.T. 0.011 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



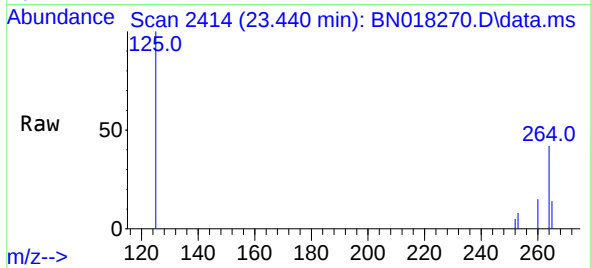
Tgt Ion:149 Resp: 534775
Ion Ratio Lower Upper
149 100
167 29.2 23.7 35.5
279 5.6 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.440 min Scan# 2409
Delta R.T. 0.017 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

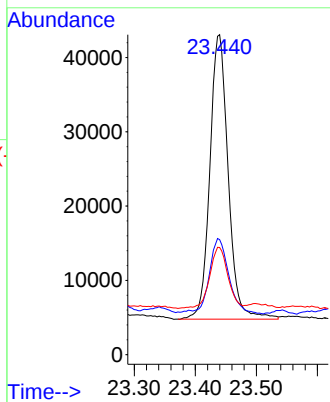
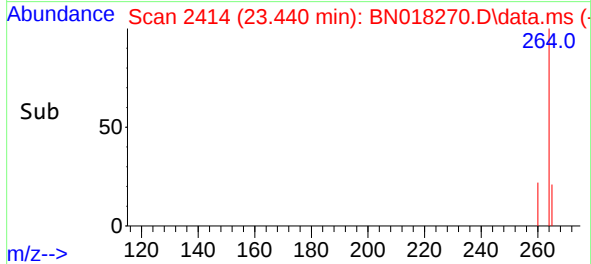
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:264 Resp: 8003
Ion Ratio Lower Upper
264 100
260 35.9 20.2 30.4
265 33.5 18.2 27.2

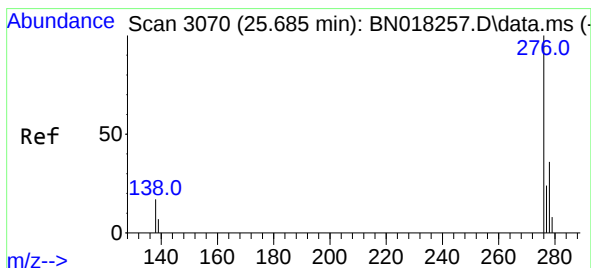
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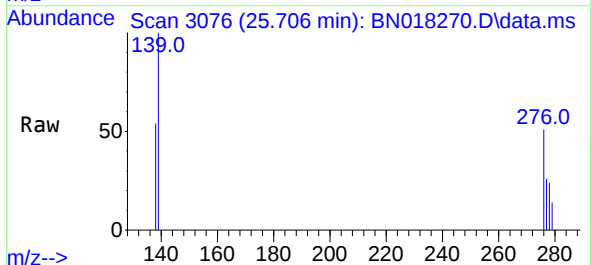


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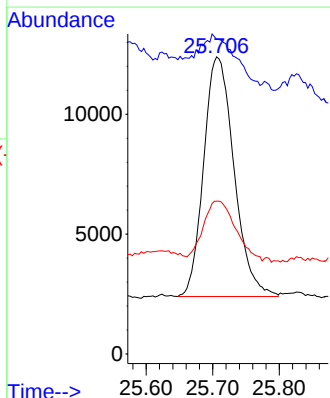
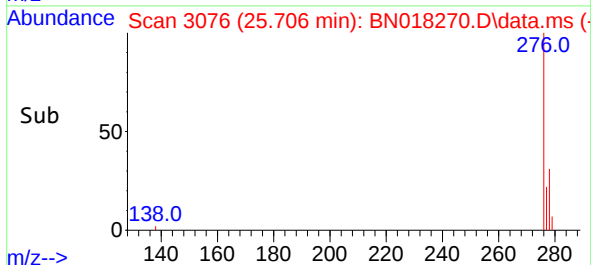
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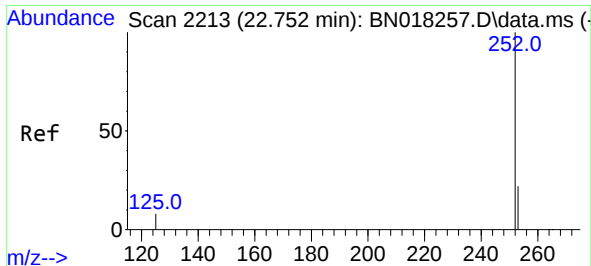


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.166 ng
RT: 25.706 min Scan# 3076
Delta R.T. 0.020 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



Tgt Ion:276 Resp: 31734
Ion Ratio Lower Upper
276 100
138 23.5 14.9 22.3
277 26.6 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.223 ng

RT: 22.766 min Scan# 21

Delta R.T. 0.014 min

Lab File: BN018270.D

Acq: 29 Dec 2021 20:38

Instrument :

BNA_N

ClientSampleId :

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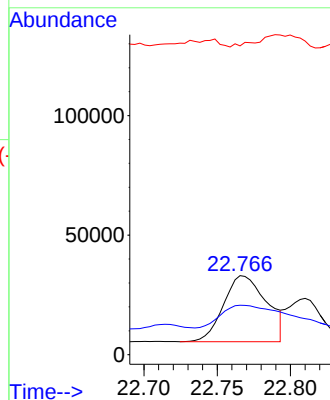
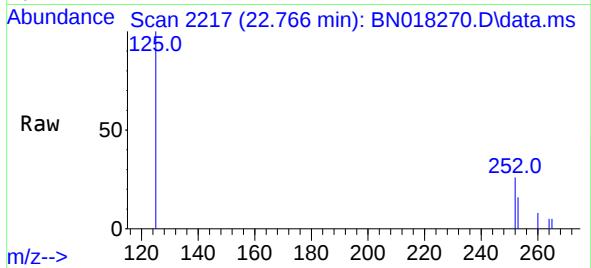
Tgt Ion:252 Resp: 56679

Ion	Ratio	Lower	Upper
252	100		
253	62.7	17.8	26.6
125	390.6	6.0	9.0

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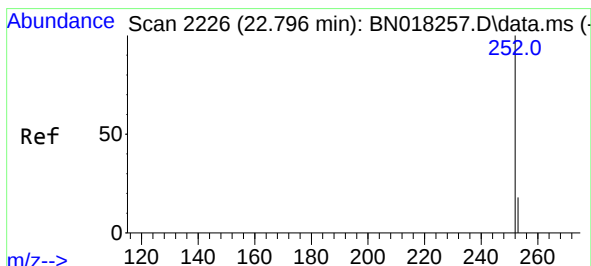
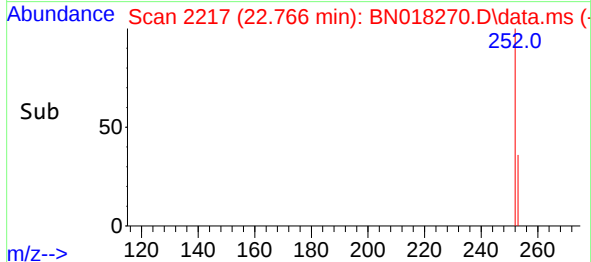
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#38

Benzo(k)fluoranthene

Concen: 0.105 ng

RT: 22.810 min Scan# 2230

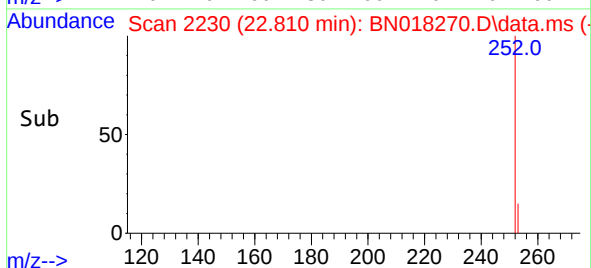
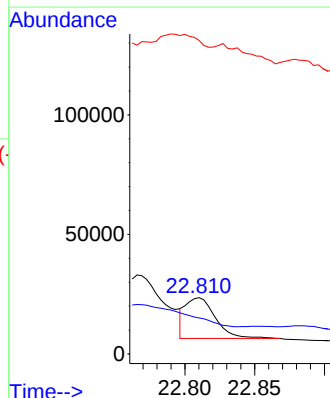
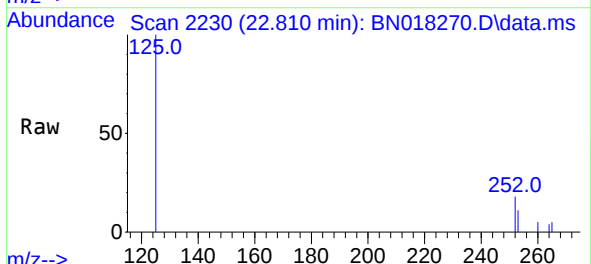
Delta R.T. 0.014 min

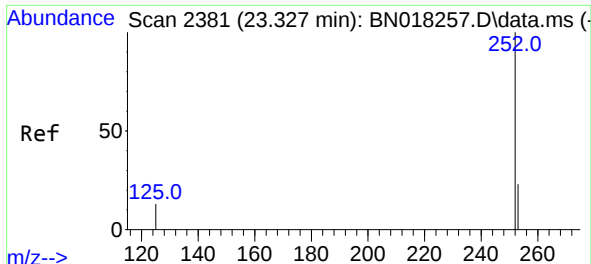
Lab File: BN018270.D

Acq: 29 Dec 2021 20:38

Tgt Ion:252 Resp: 25202

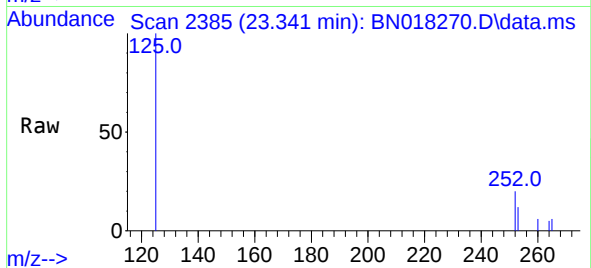
Ion	Ratio	Lower	Upper
252	100		
253	64.0	17.7	26.5
125	556.6	6.2	9.2





#39
Benzo(a)pyrene
Concen: 0.160 ng
RT: 23.341 min Scan# 21
Delta R.T. 0.014 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

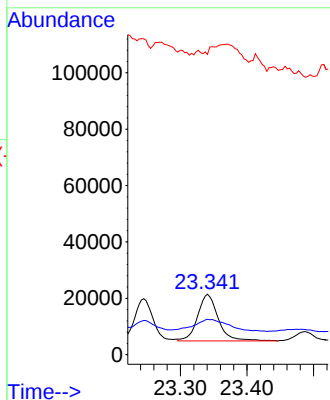
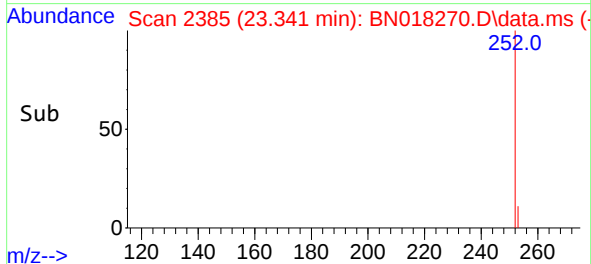
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:252 Resp: 35304
Ion Ratio Lower Upper
252 100
253 58.6 17.8 26.6#
125 496.3 7.0 10.4#

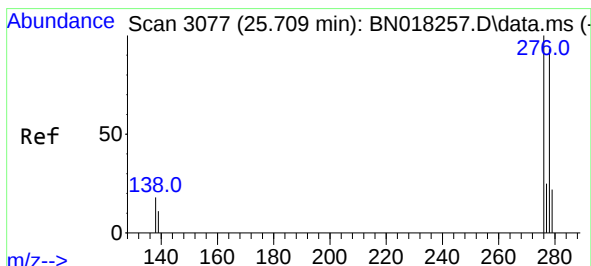
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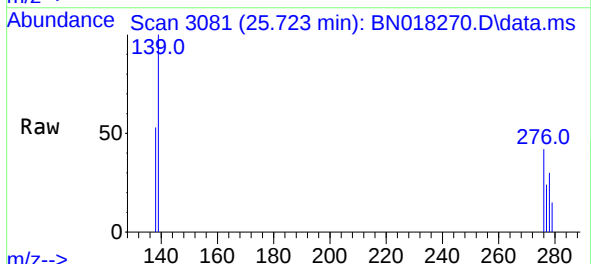


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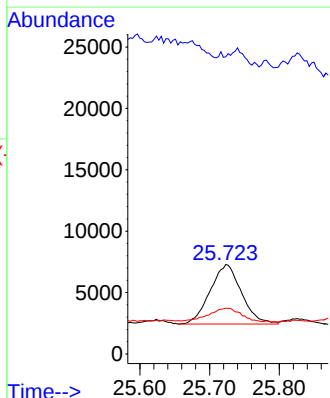
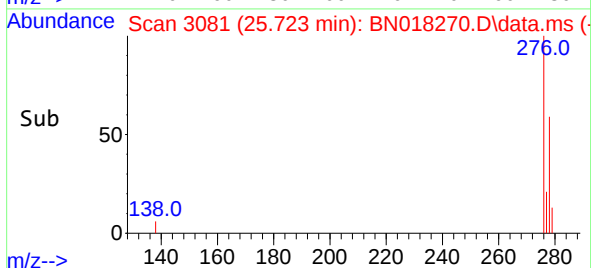
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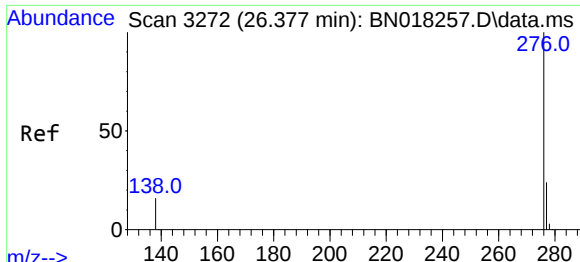


#40
Dibenzo(a,h)anthracene
Concen: 0.111 ng
RT: 25.723 min Scan# 3081
Delta R.T. 0.014 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38



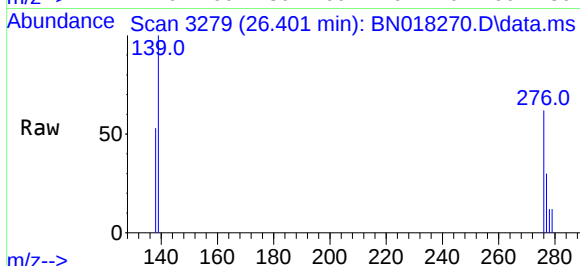
Tgt Ion:278 Resp: 15177
Ion Ratio Lower Upper
278 100
139 332.2 10.8 16.2#
279 51.2 19.0 28.4#





#41
Benzo(g,h,i)perylene
Concen: 0.176 ng
RT: 26.401 min Scan# 31
Delta R.T. 0.024 min
Lab File: BN018270.D
Acq: 29 Dec 2021 20:38

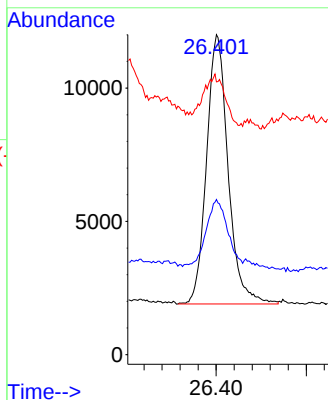
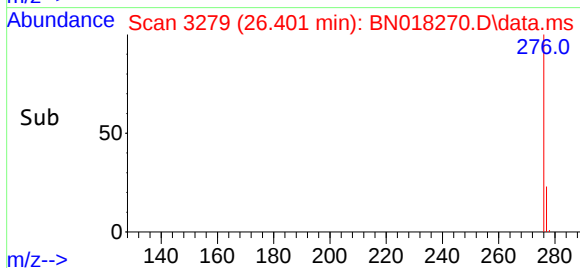
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:276 Resp: 3354
Ion Ratio Lower Upper
276 100
277 48.5 19.0 28.6
138 85.3 12.6 19.0

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