

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016694.D
 Acq On : 03 Oct 2021 06:24
 Operator : CG/JU
 Sample : M3892-09
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221

Manual Integrations
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 10/4/2021 11:49:23 AM

Quant Time: Oct 04 03:37:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	31109	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	142292	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	81067	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	158378	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	156707	0.40	ng	0.00
35) Perylene-d12	23.488	264	150614	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	20272	0.26	ng	0.02
5) Phenol-d6	6.831	99	20293	0.23	ng	0.00
8) Nitrobenzene-d5	8.772	82	25556	0.28	ng	-0.01
11) 2-Methylnaphthalene-d10	12.003	152	55369	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12145	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	68921	0.21	ng	-0.01
27) Fluoranthene-d10	19.068	212	99238	0.24	ng	0.00
31) Terphenyl-d14	19.679	244	77610	0.23	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	30132	0.08	ng	98
12) 2-Methylnaphthalene	12.074	142	26733	0.11	ng	99
16) Acenaphthylene	13.990	152	63895	0.18	ng	98
17) Acenaphthene	14.332	154	42807	0.18	ng	97
18) Fluorene	15.322	166	45151	0.16	ng	# 98
25) Phenanthrene	17.066	178	991678	2.08	ng	99
26) Anthracene	17.151	178	184716	0.45	ng	# 93
28) Fluoranthene	19.098	202	2071318	4.03	ng	99
30) Pyrene	19.460	202	1842745	3.63	ng	# 94
32) Benzo(a)anthracene	21.217	228	1047211	2.18	ng	98
33) Chrysene	21.270	228	1093514	2.25	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	150070	0.78	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.771	276	513823	0.96	ng	99
37) Benzo(b)fluoranthene	22.814	252	1569129	3.24	ng	98
38) Benzo(k)fluoranthene	22.855	252	481751m	1.01	ng	
39) Benzo(a)pyrene	23.389	252	964639	2.24	ng	98
40) Dibenzo(a,h)anthracene	25.785	278	128103	0.30	ng	# 83
41) Benzo(g,h,i)perylene	26.476	276	482163	1.01	ng	98

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

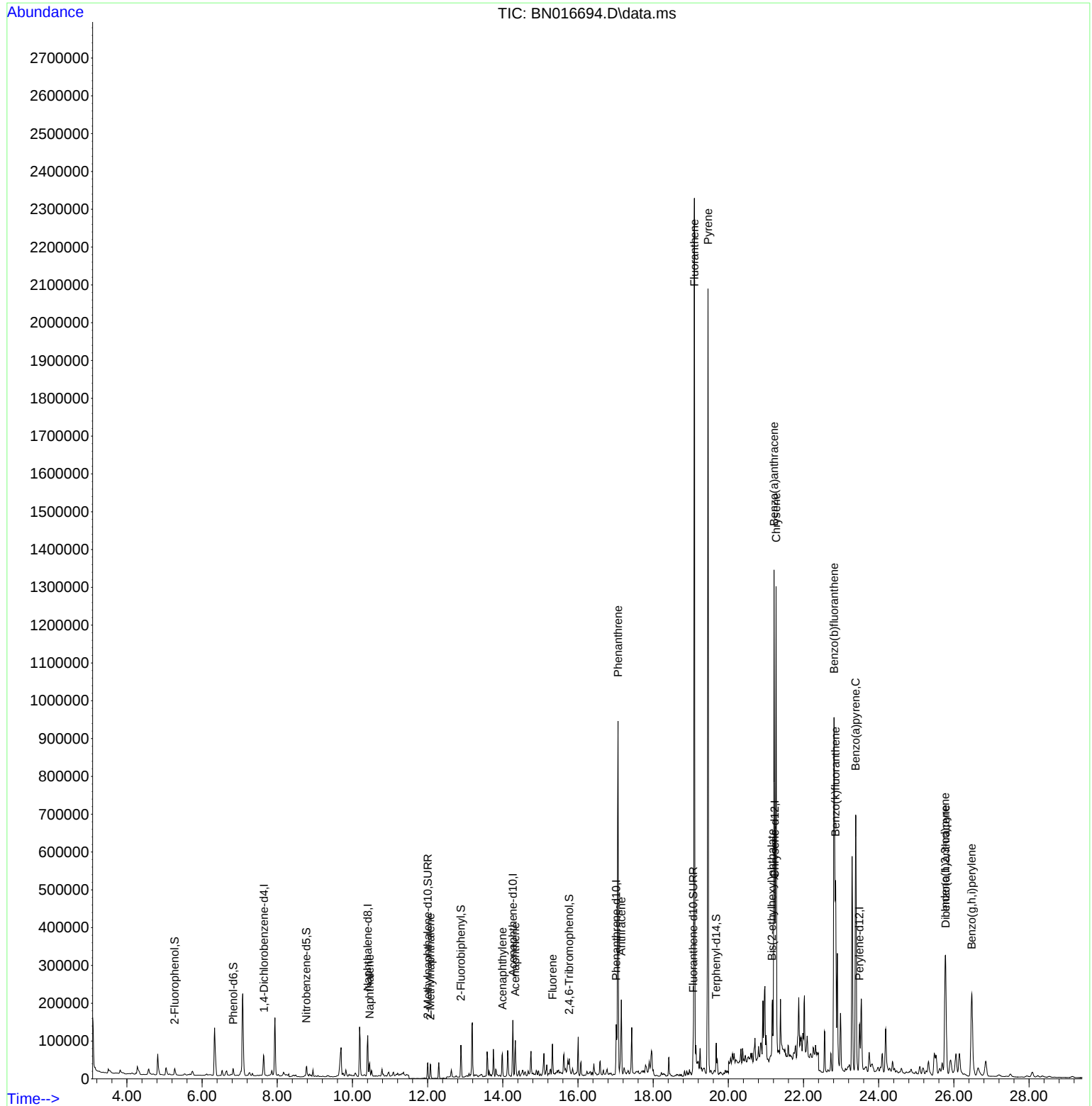
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016694.D
Acq On : 03 Oct 2021 06:24
Operator : CG/JU
Sample : M3892-09
Misc :
ALS Vial : 62 Sample Multiplier: 1

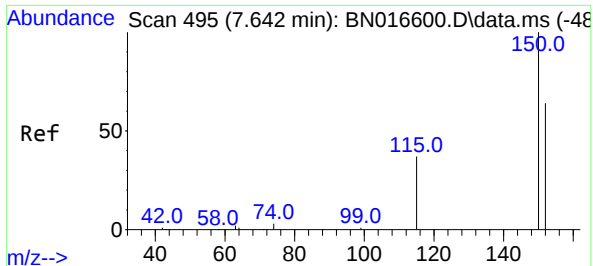
Instrument :
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ClientSampleId :
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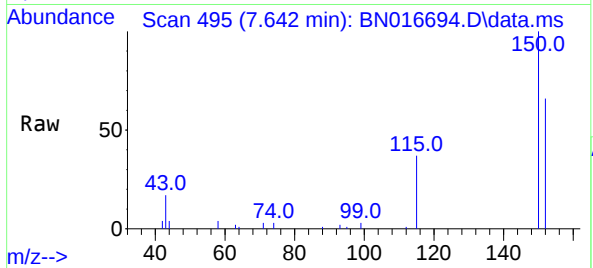
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Quant Time: Oct 04 03:37:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

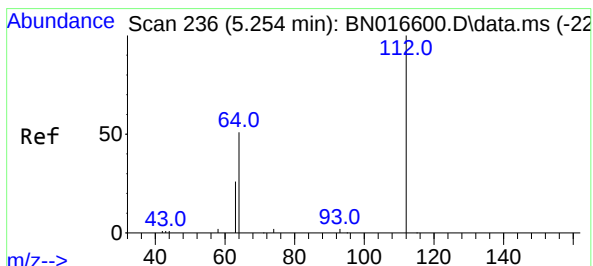
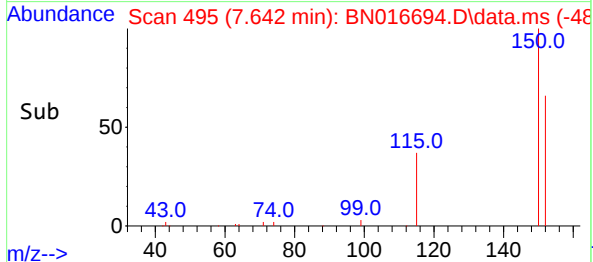
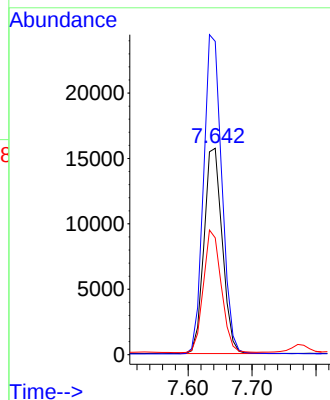




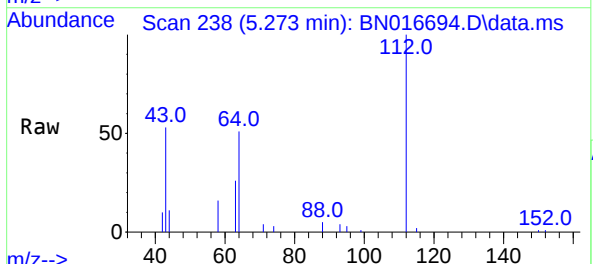
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



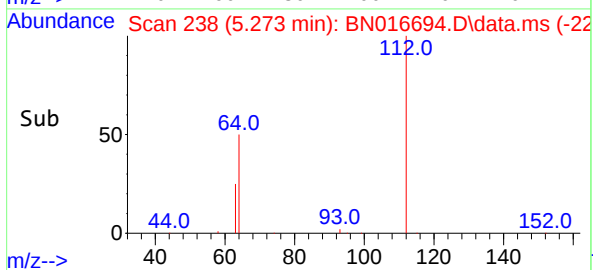
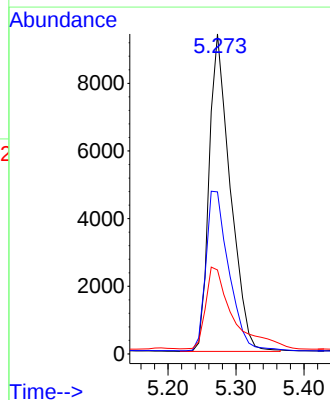
Tgt Ion:152 Resp: 31109
Ion Ratio Lower Upper
152 100
150 151.8 124.6 186.8
115 56.6 46.5 69.7



#4
2-Fluorophenol
Concen: 0.26 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



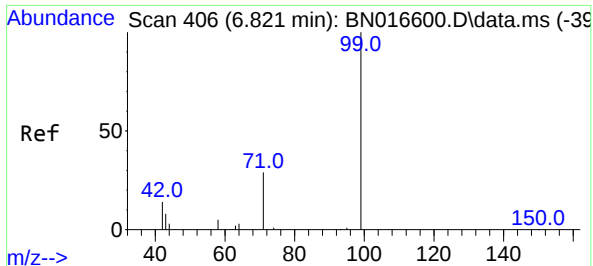
Tgt Ion:112 Resp: 20272
Ion Ratio Lower Upper
112 100
64 54.6 43.1 64.7
63 32.5 21.6 32.4#



Instrument :
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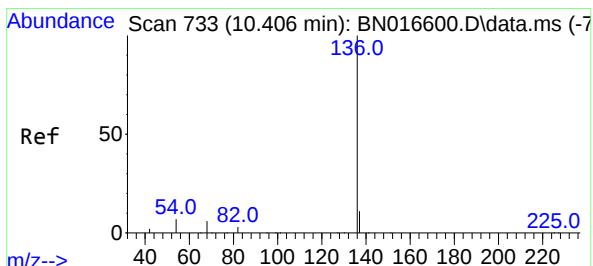
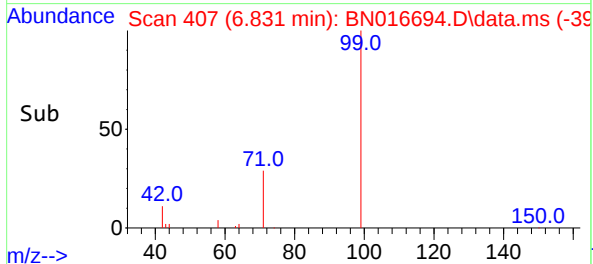
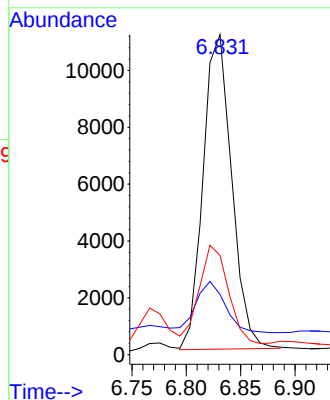
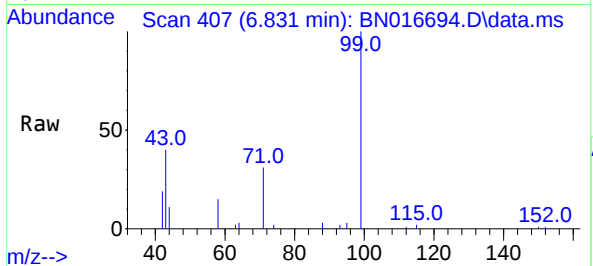
#5
Phenol-d6
Concen: 0.23 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion: 99 Resp: 20293
Ion Ratio Lower Upper
99 100
42 16.8 13.0 19.6
71 31.8 23.5 35.3

Instrument :
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ClientSampleId :
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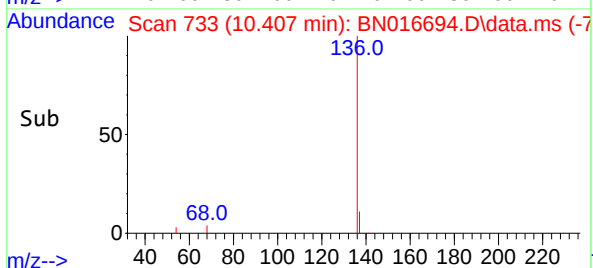
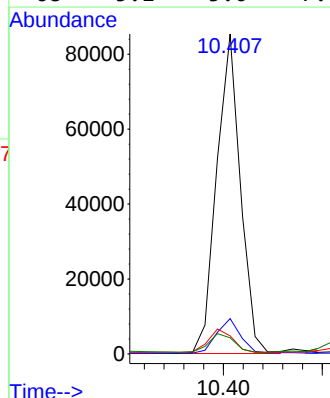
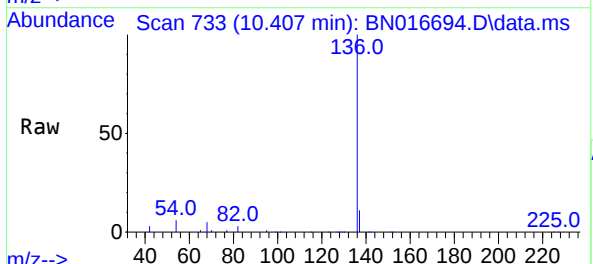
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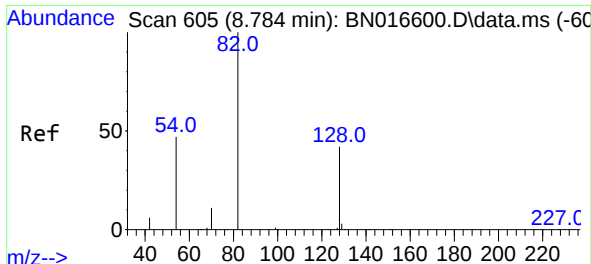
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

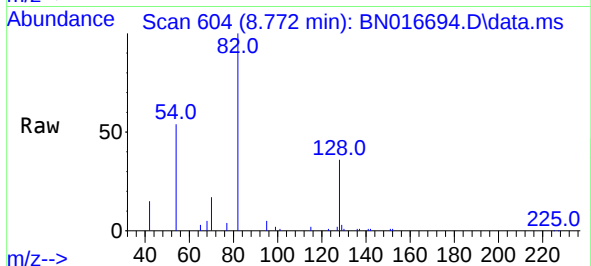
Tgt Ion: 136 Resp: 142292
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 5.6 5.9 8.9#
68 5.1 5.0 7.6





#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.012 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

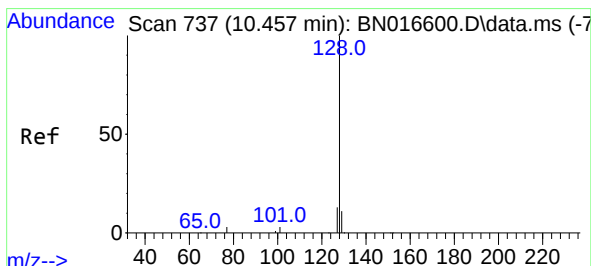
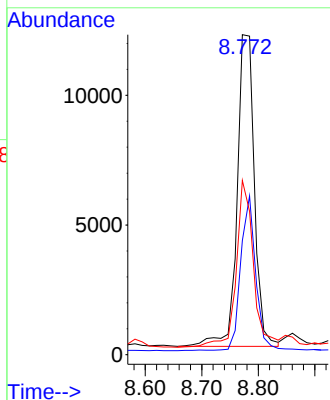
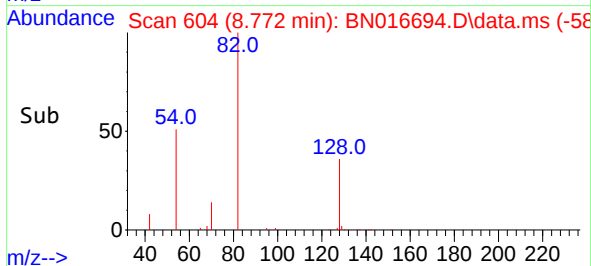
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



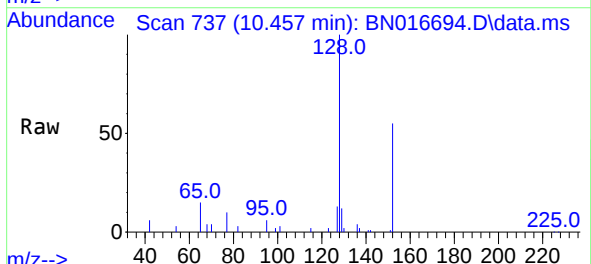
Tgt Ion: 82 Resp: 25556
Ion Ratio Lower Upper
82 100
128 35.6 33.6 50.4
54 54.5 37.6 56.4

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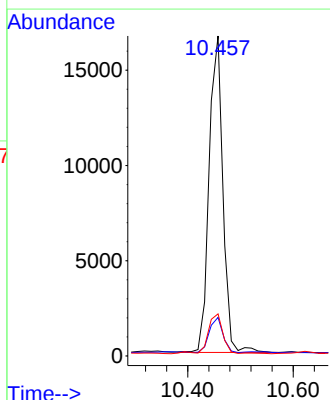
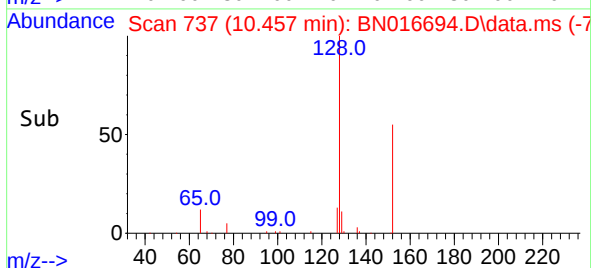
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#9
Naphthalene
Concen: 0.08 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



Tgt Ion: 128 Resp: 30132
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 13.1 10.3 15.5





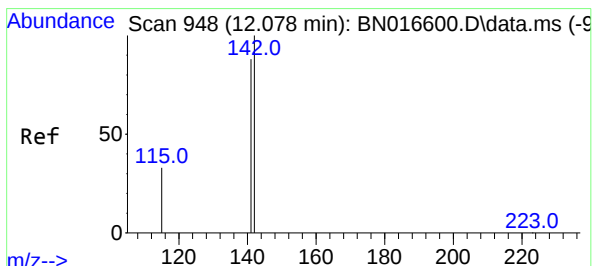
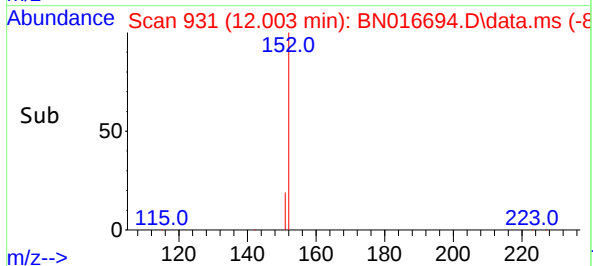
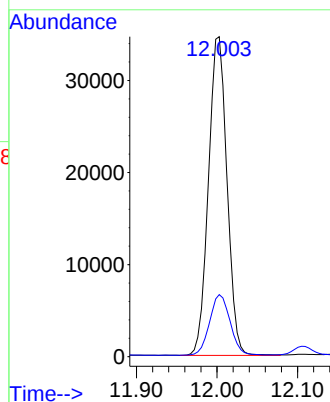
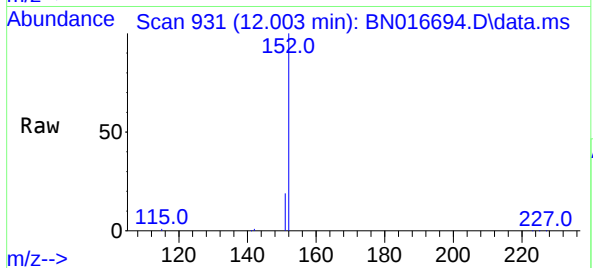
#11
2-Methylnaphthalene-d10
Concen: 0.26 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:152 Resp: 55369
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

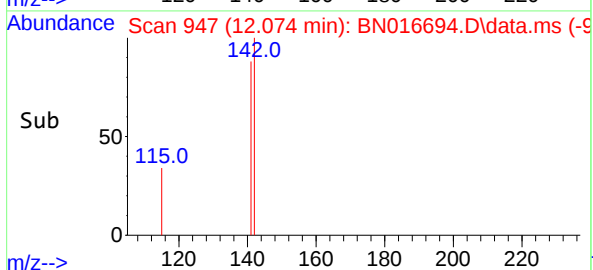
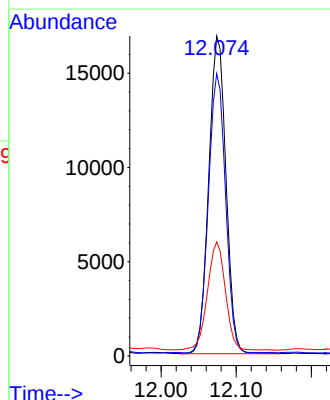
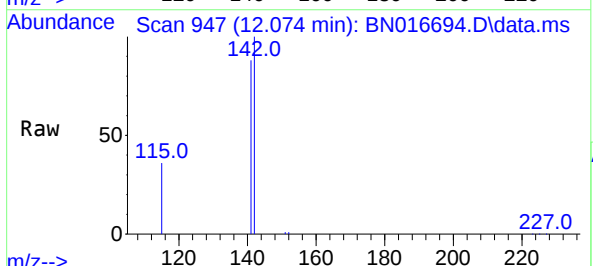
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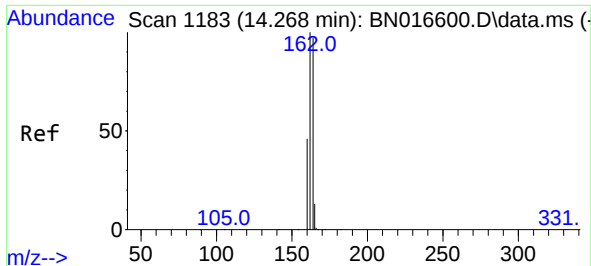
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#12
2-Methylnaphthalene
Concen: 0.11 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

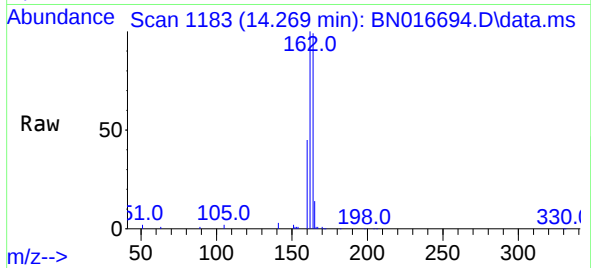
Tgt Ion:142 Resp: 26733
Ion Ratio Lower Upper
142 100
141 88.2 70.6 105.8
115 35.6 26.6 39.8





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

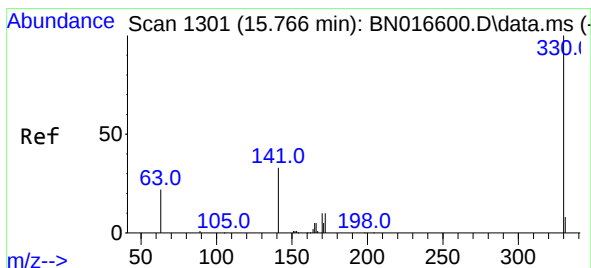
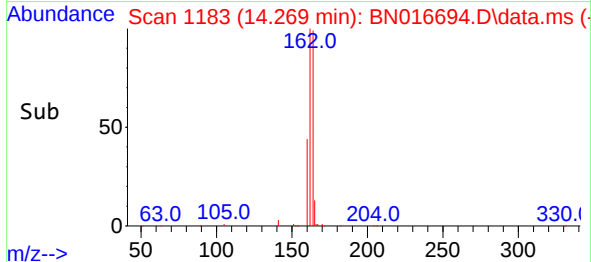
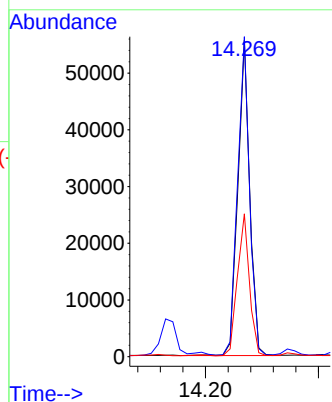


Tgt Ion:164 Resp: 81067

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	45.1	37.7	56.5

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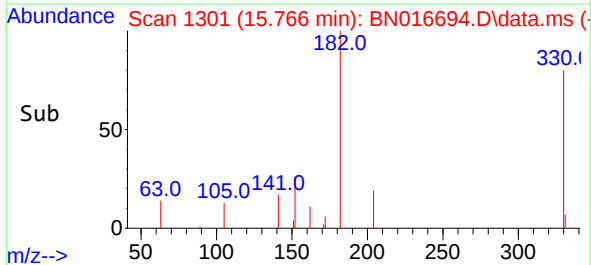
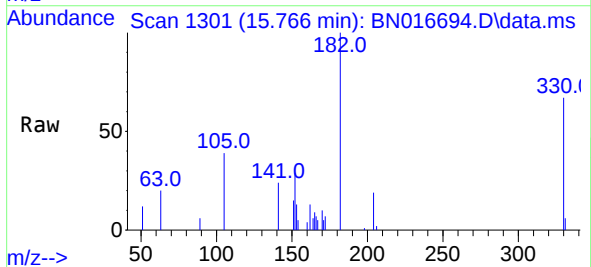
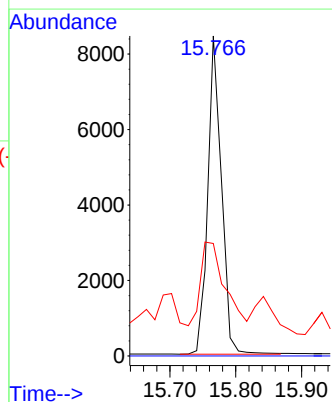
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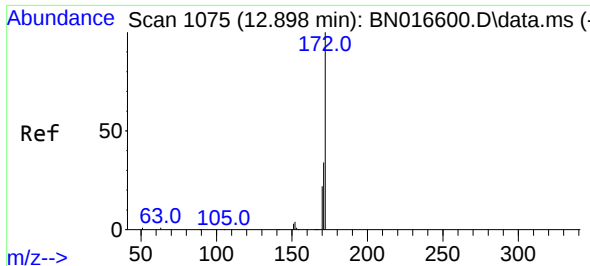


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2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

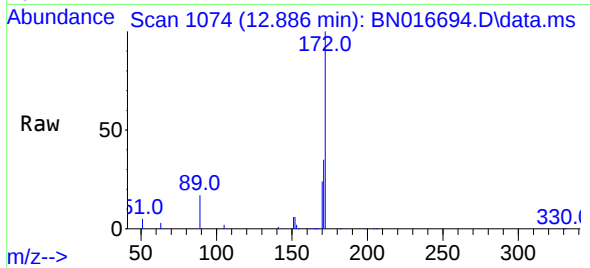
Tgt Ion:330 Resp: 12145

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.2	25.2	37.8

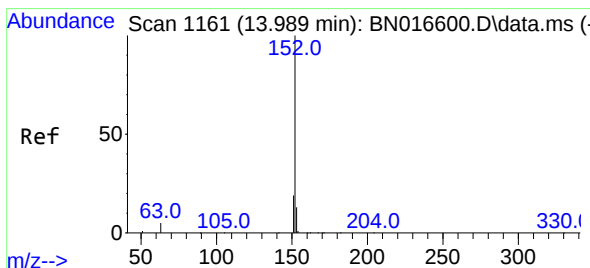
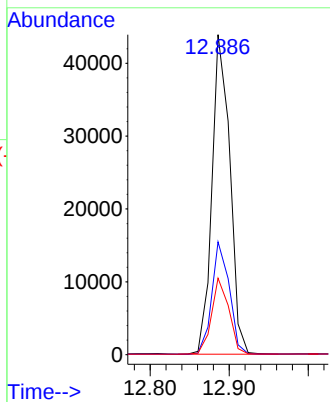
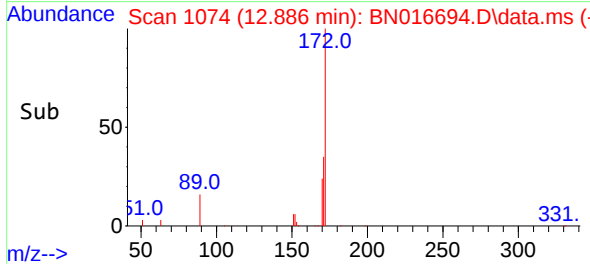




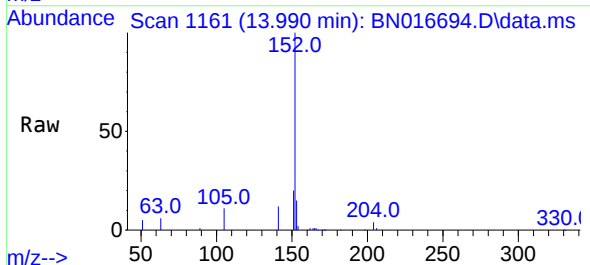
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2-Fluorobiphenyl
Concen: 0.21 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



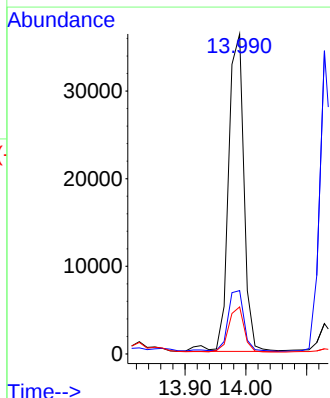
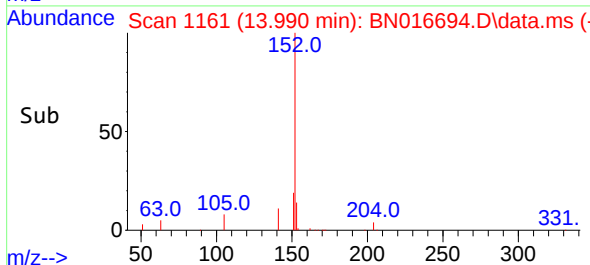
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Ion Ratio Lower Upper
172 100
171 35.2 27.0 40.4
170 23.9 17.4 26.2



#16
Acenaphthylene
Concen: 0.18 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



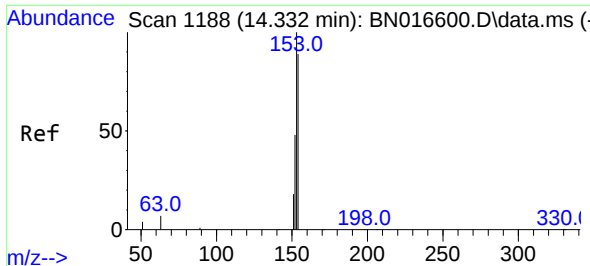
Tgt Ion:152 Resp: 63895
Ion Ratio Lower Upper
152 100
151 20.1 15.5 23.3
153 14.2 10.4 15.6



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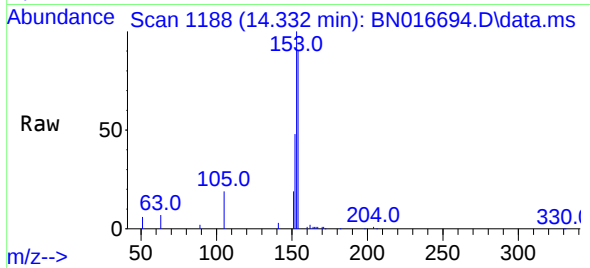
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#17
Acenaphthene
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Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

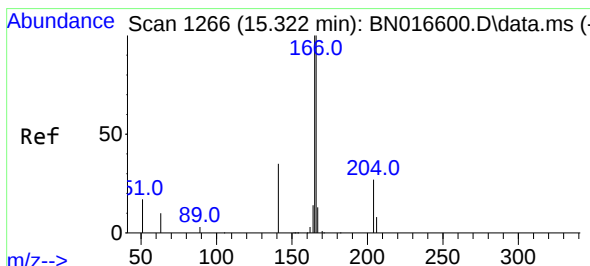
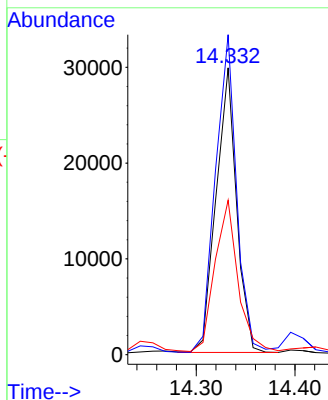
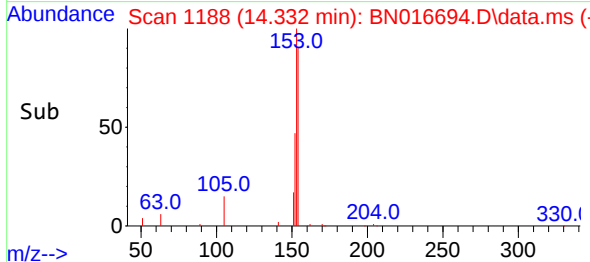
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ClientSampleId :
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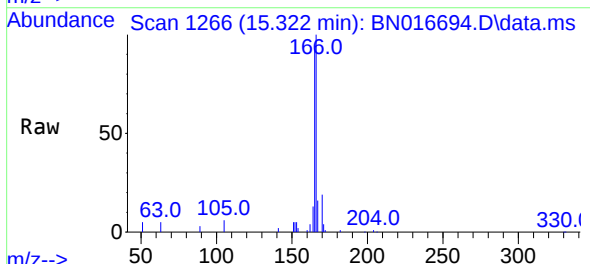
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Ion Ratio Lower Upper
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152 59.5 44.0 66.0

Manual Integrations
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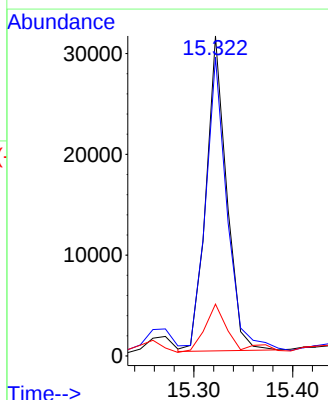
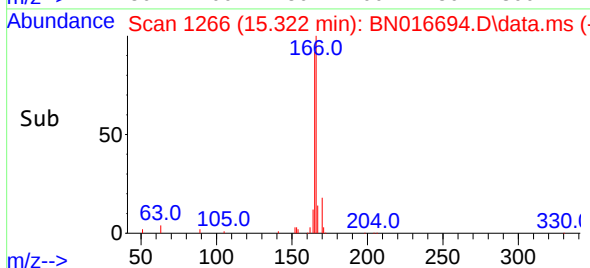
mohammad
10/4/2021 11:49:23 AM

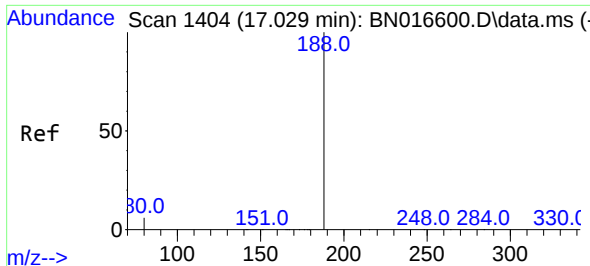


#18
Fluorene
Concen: 0.16 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



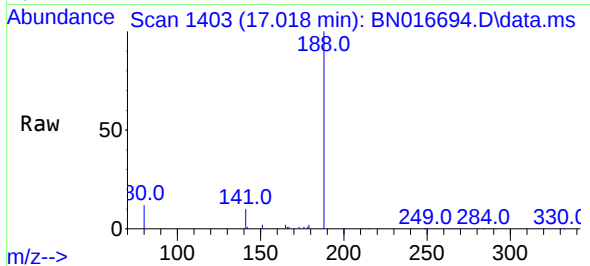
Tgt Ion:166 Resp: 45151
Ion Ratio Lower Upper
166 100
165 97.1 77.9 116.9
167 18.9 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

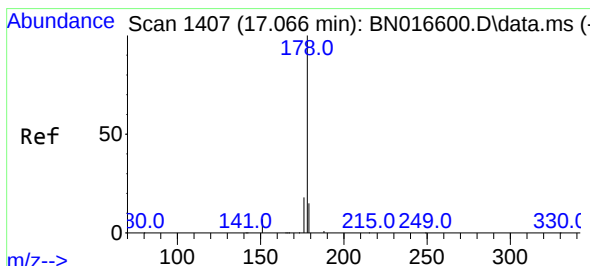
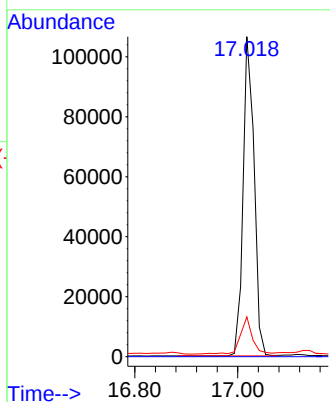
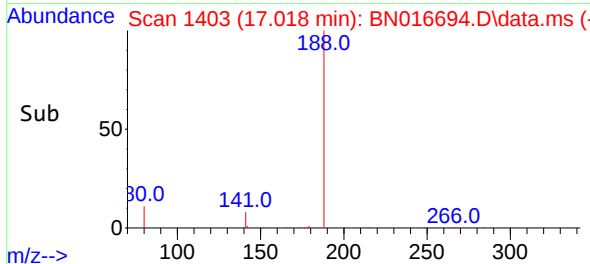
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



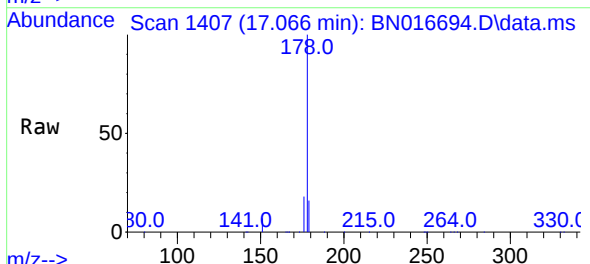
Tgt Ion:188 Resp: 158378
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.0 7.6#

Manual Integrations
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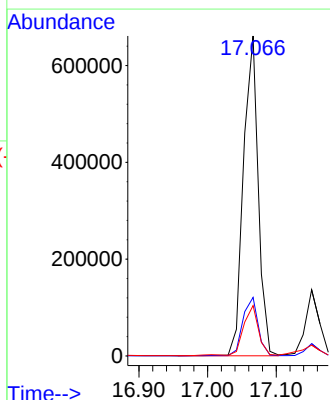
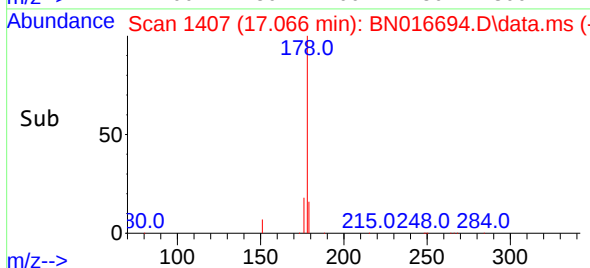
mohammad
10/4/2021 11:49:23 AM

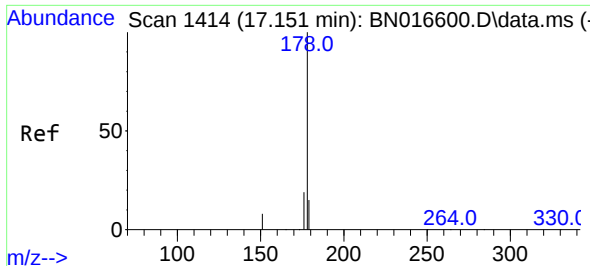


#25
Phenanthrene
Concen: 2.08 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



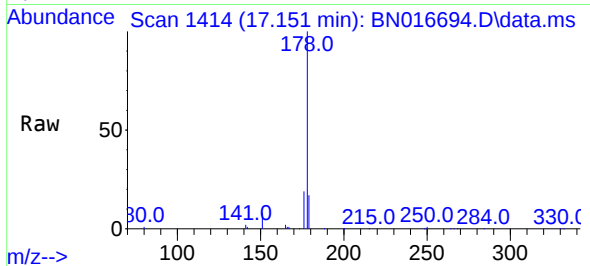
Tgt Ion:178 Resp: 991678
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.0 12.2 18.4





#26
 Anthracene
 Concen: 0.45 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016694.D
 Acq: 03 Oct 2021 06:24

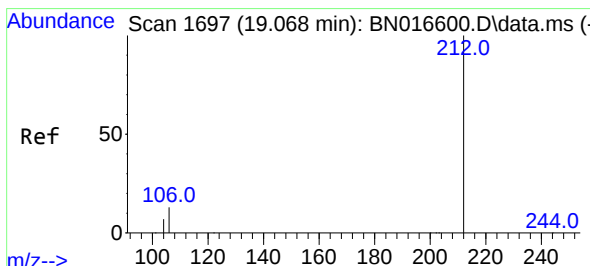
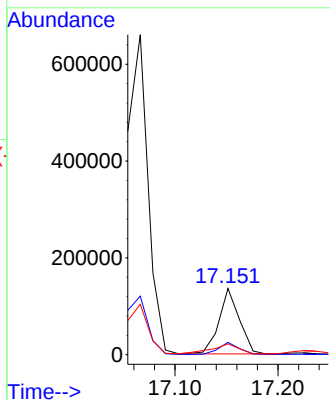
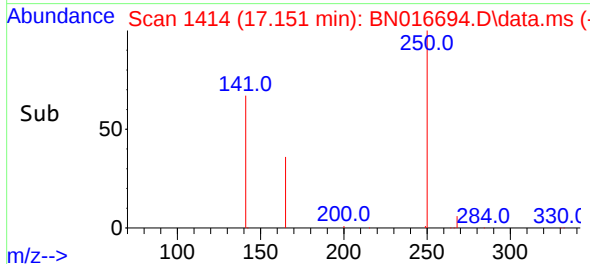
Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221



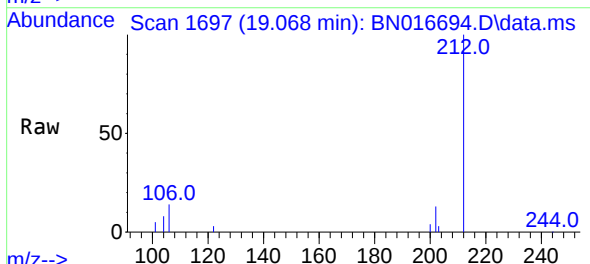
Tgt Ion:178 Resp: 184716
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 21.5 12.2 18.4#

Manual Integrations
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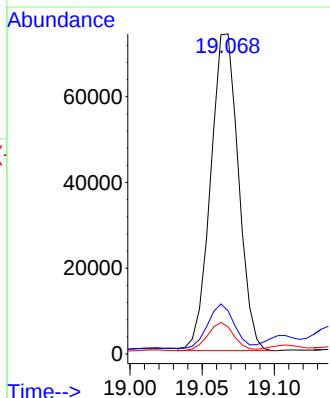
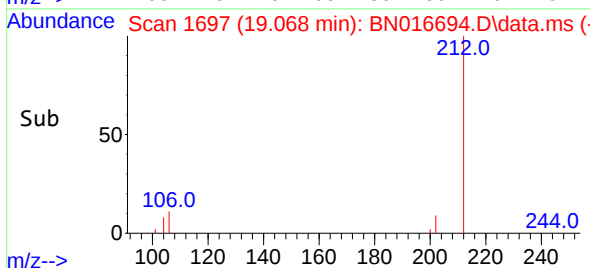
mohammad
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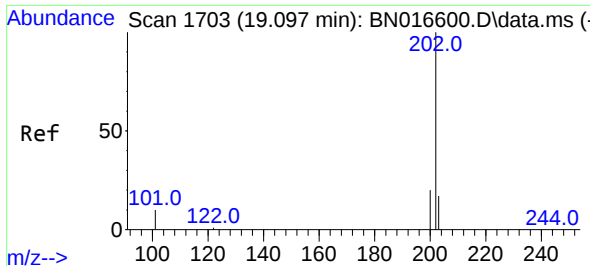


#27
 Fluoranthene-d10
 Concen: 0.24 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016694.D
 Acq: 03 Oct 2021 06:24



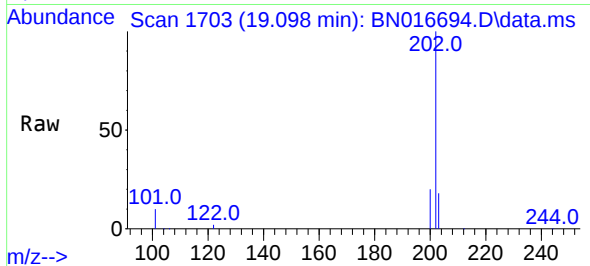
Tgt Ion:212 Resp: 99238
 Ion Ratio Lower Upper
 212 100
 106 13.1 10.6 16.0
 104 8.5 5.9 8.9





#28
Fluoranthene
Concen: 4.03 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

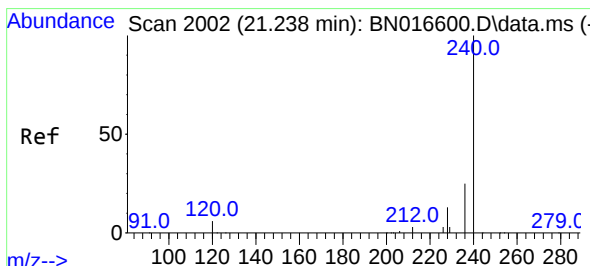
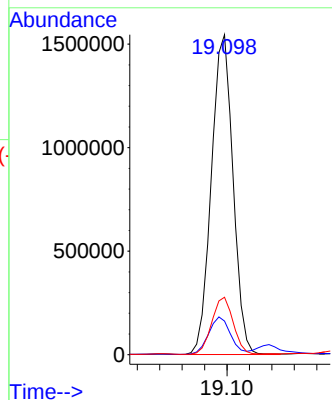
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



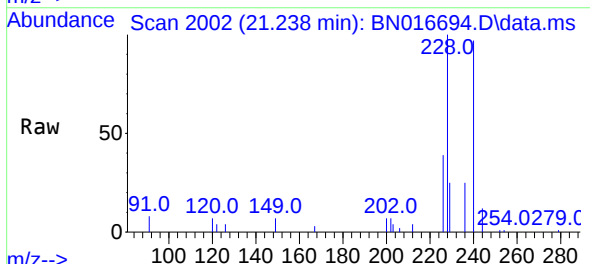
Tgt Ion:202 Resp: 2071318
Ion Ratio Lower Upper
202 100
101 11.8 9.0 13.4
203 17.7 13.8 20.6

Manual Integrations
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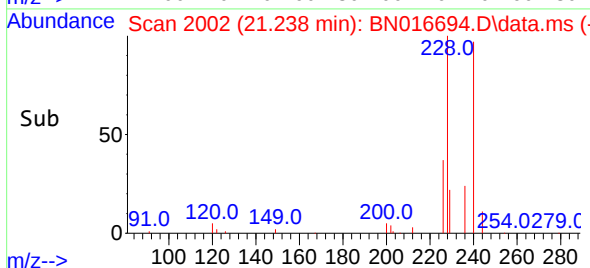
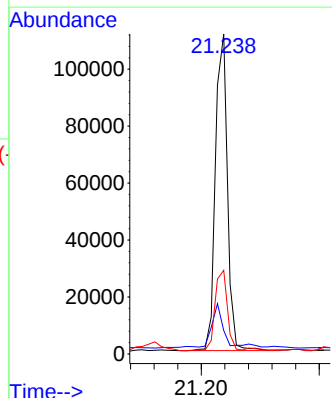
mohammad
10/4/2021 11:49:23 AM

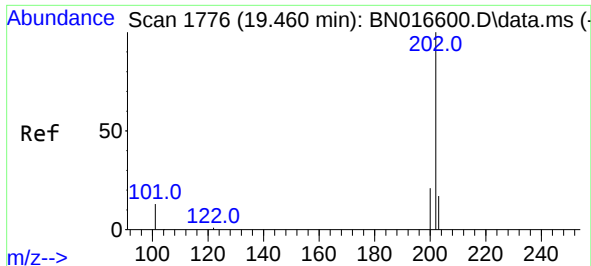


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



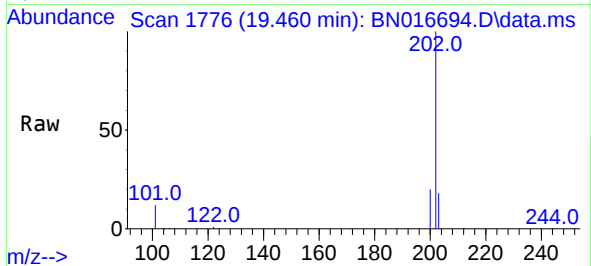
Tgt Ion:240 Resp: 156707
Ion Ratio Lower Upper
240 100
120 7.3 5.0 7.4
236 26.1 20.4 30.6





#30
Pyrene
Concen: 3.63 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

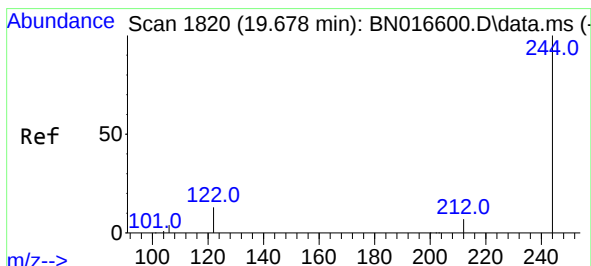
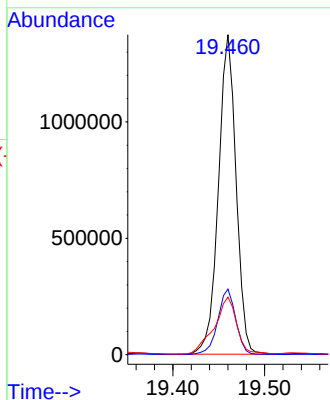
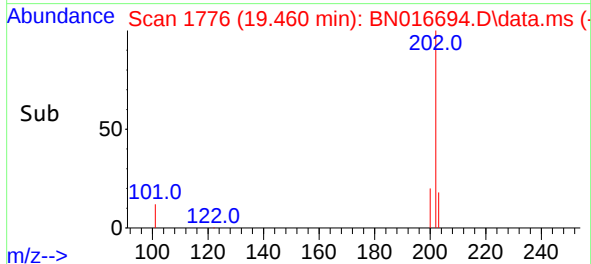
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



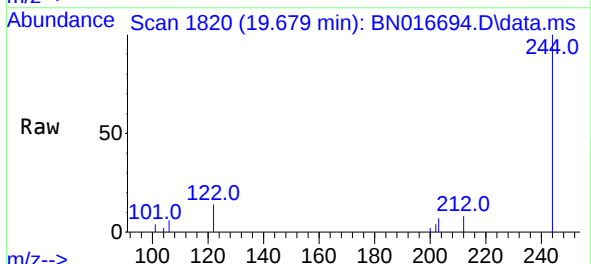
Tgt Ion:202 Resp: 1842745
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 22.6 14.0 21.0#

Manual Integrations
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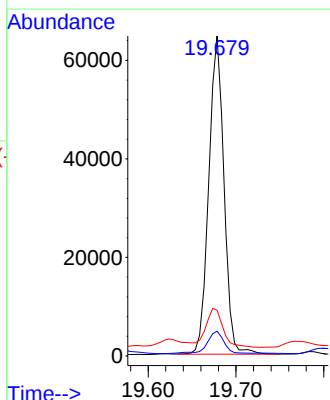
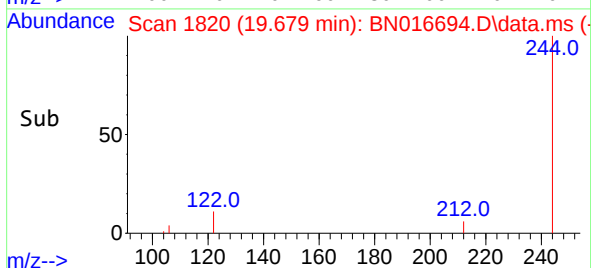
mohammad
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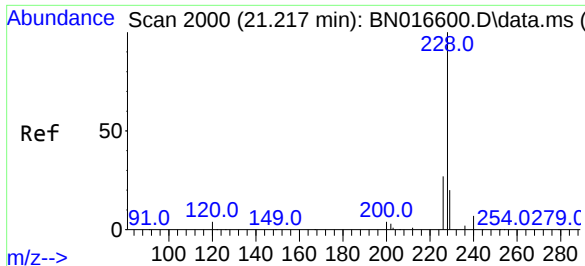


#31
Terphenyl-d14
Concen: 0.23 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



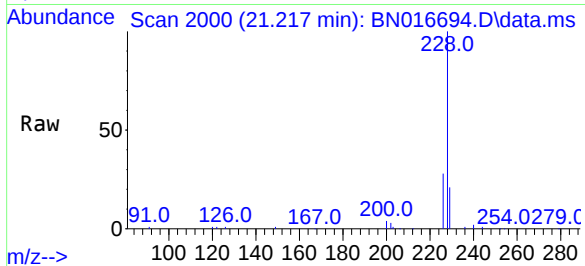
Tgt Ion:244 Resp: 77610
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 14.3 10.1 15.1





#32
Benzo(a)anthracene
Concen: 2.18 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

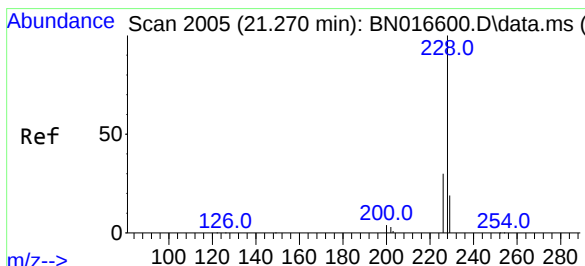
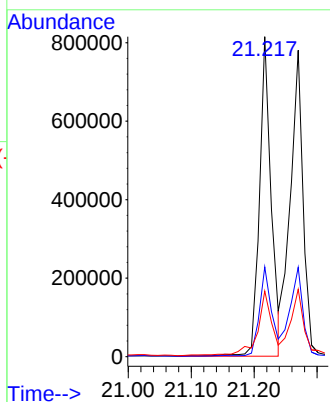
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



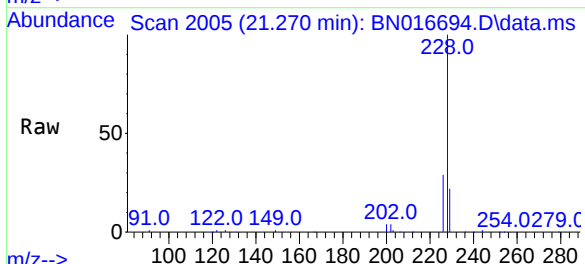
Tgt Ion:228 Resp: 1047211
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.5 15.7 23.5

Manual Integrations
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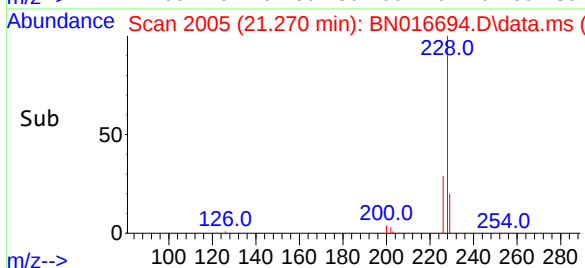
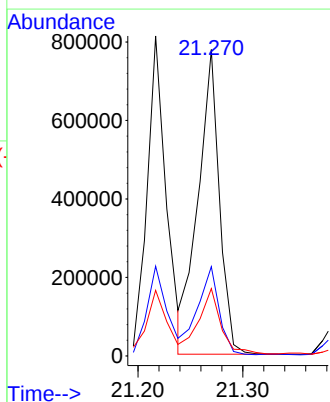
mohammad
10/4/2021 11:49:23 AM

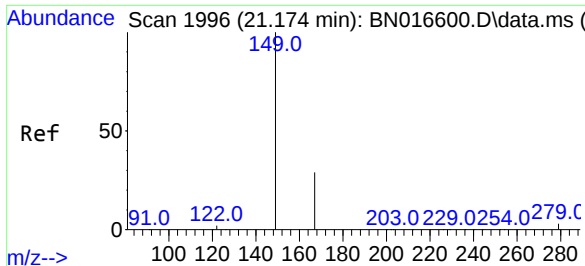


#33
Chrysene
Concen: 2.25 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



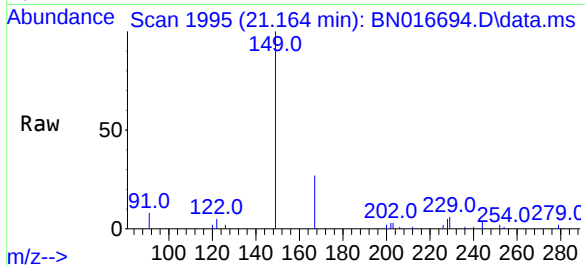
Tgt Ion:228 Resp: 1093514
Ion Ratio Lower Upper
228 100
226 29.1 23.7 35.5
229 22.0 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.78 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

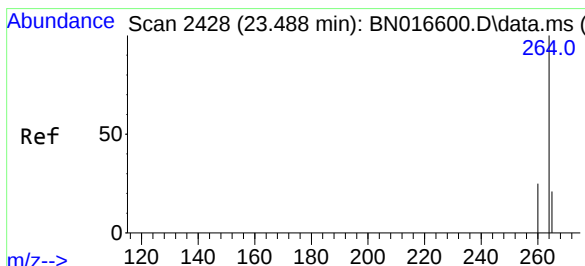
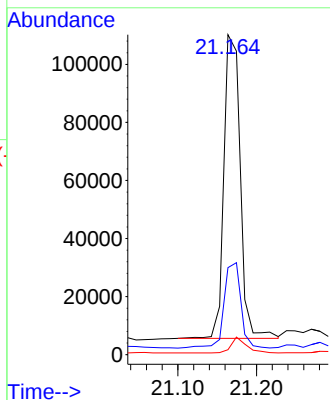
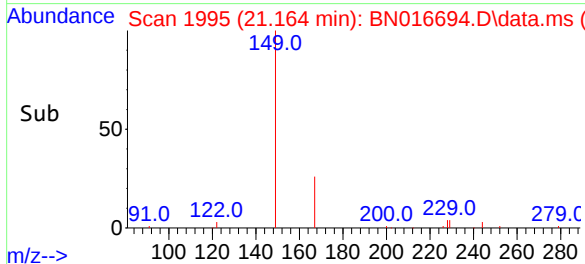
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



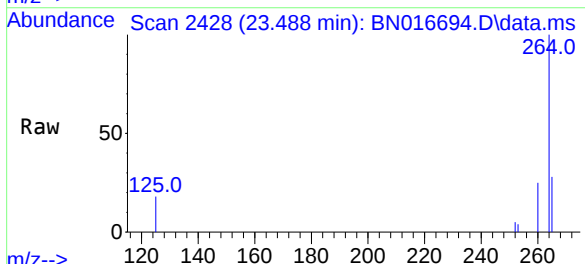
Tgt Ion:149 Resp: 150070
Ion Ratio Lower Upper
149 100
167 29.0 22.2 33.4
279 4.9 3.2 4.8#

Manual Integrations
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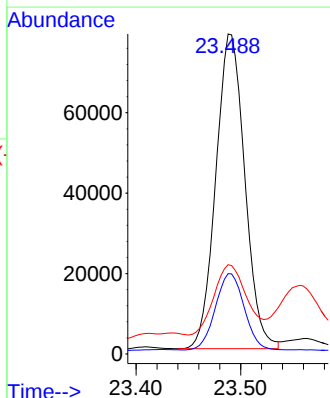
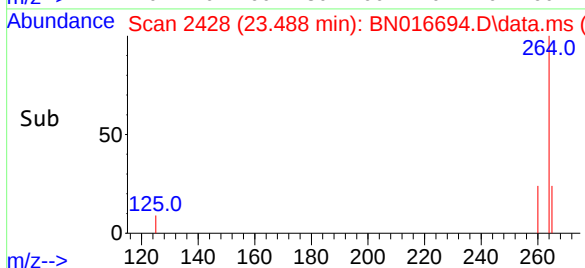
mohammad
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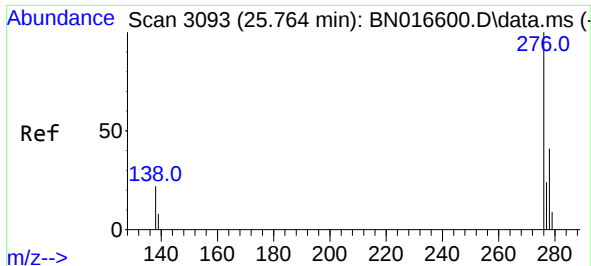


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.488 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



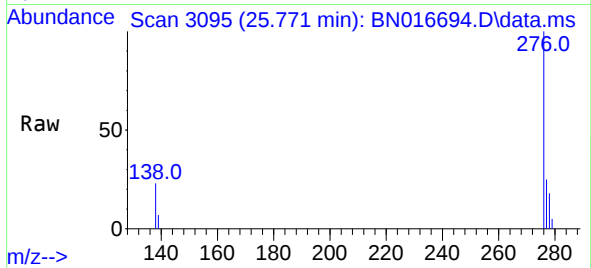
Tgt Ion:264 Resp: 150614
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 27.9 19.2 28.8





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.96 ng
RT: 25.771 min Scan# 3095
Delta R.T. 0.007 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

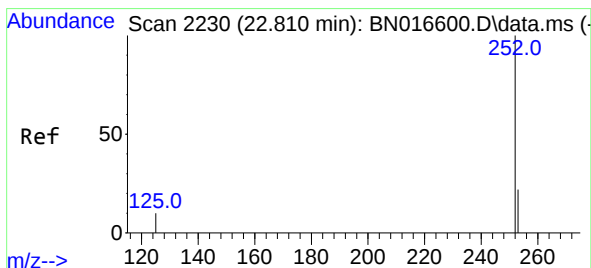
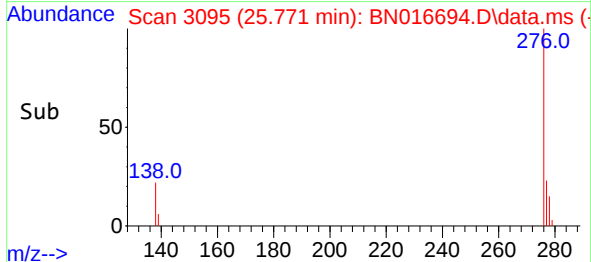
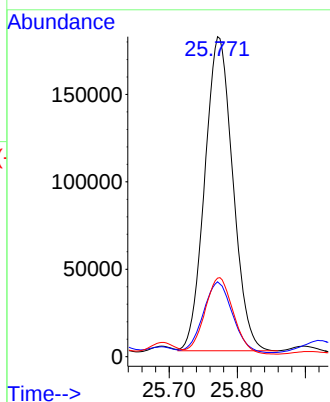
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



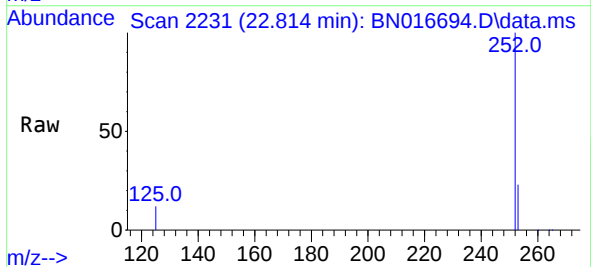
Tgt Ion:276 Resp: 513823
Ion Ratio Lower Upper
276 100
138 23.4 19.5 29.3
277 24.7 19.9 29.9

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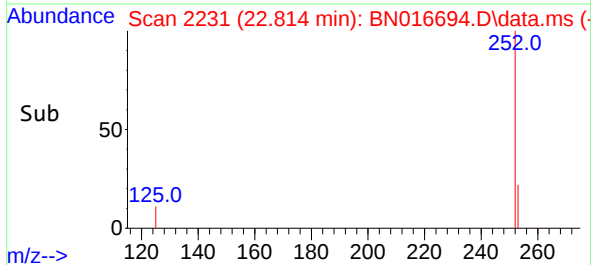
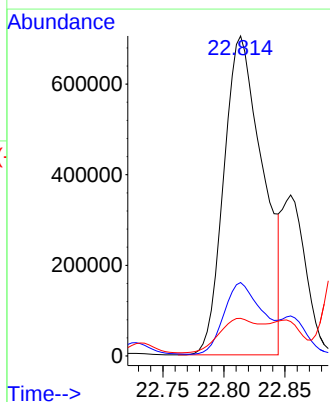
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10/4/2021 11:49:23 AM

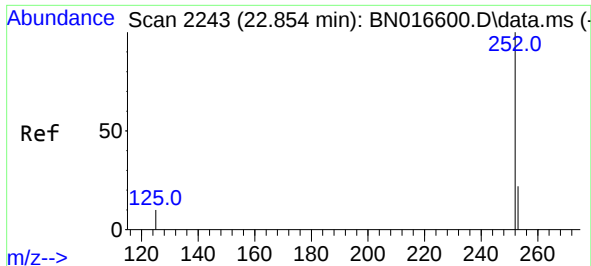


#37
Benzo(b)fluoranthene
Concen: 3.24 ng
RT: 22.814 min Scan# 2231
Delta R.T. 0.004 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



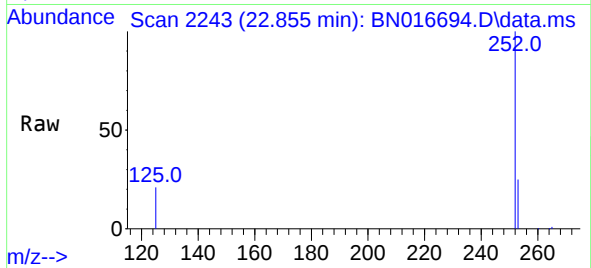
Tgt Ion:252 Resp: 1569129
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.8 8.0 12.0





#38
Benzo(k)fluoranthene
Concen: 1.01 ng m
RT: 22.855 min Scan# 2243
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

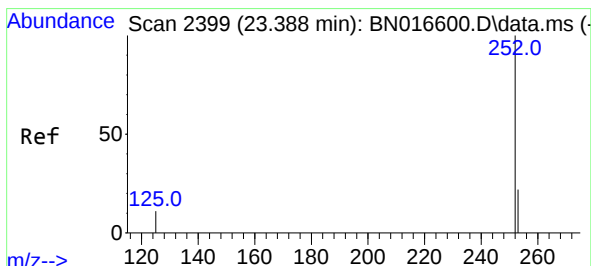
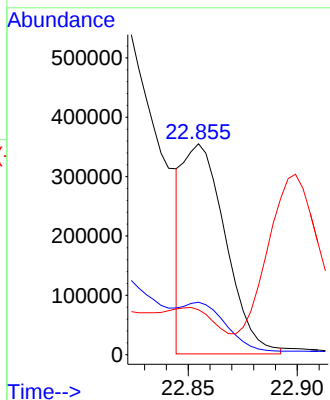
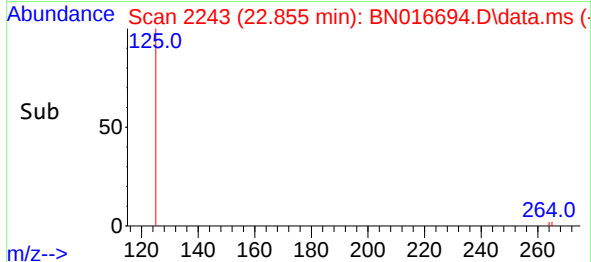
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221



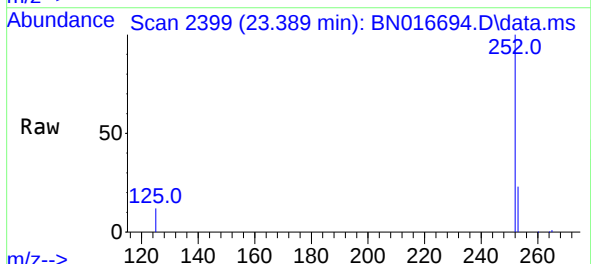
Tgt Ion:252 Resp: 481751
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 21.3 8.0 12.0#

Manual Integrations
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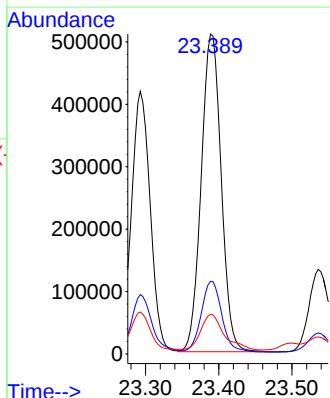
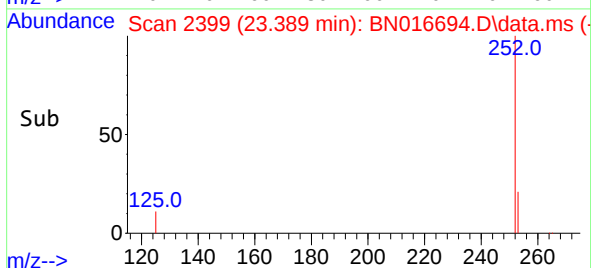
mohammad
10/4/2021 11:49:23 AM

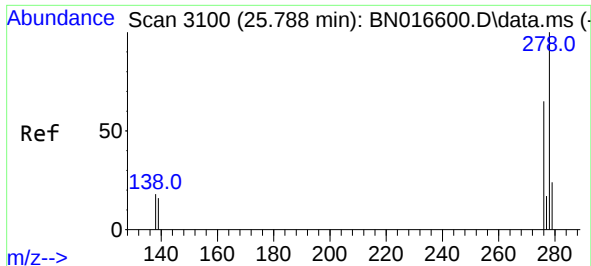


#39
Benzo(a)pyrene
Concen: 2.24 ng
RT: 23.389 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24



Tgt Ion:252 Resp: 964639
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 12.3 9.0 13.4





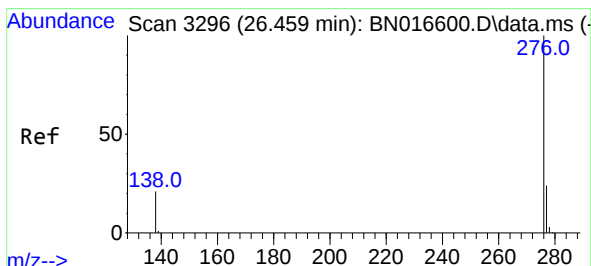
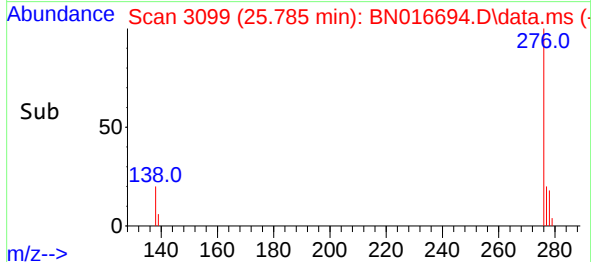
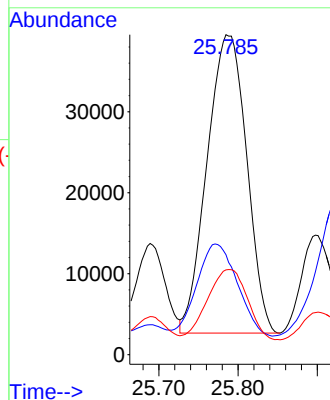
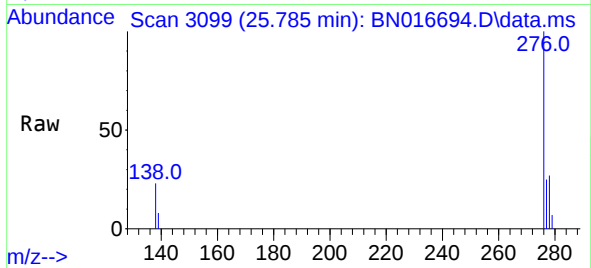
#40
Dibenzo(a,h)anthracene
Concen: 0.30 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:278 Resp: 128103
Ion Ratio Lower Upper
278 100
139 31.3 13.1 19.7#
279 26.5 19.1 28.7

Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:23 AM



#41
Benzo(g,h,i)perylene
Concen: 1.01 ng
RT: 26.476 min Scan# 3301
Delta R.T. 0.017 min
Lab File: BN016694.D
Acq: 03 Oct 2021 06:24

Tgt Ion:276 Resp: 482163
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 22.6 16.9 25.3

