

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016639.D
 Acq On : 01 Oct 2021 17:08
 Operator : CG/JU
 Sample : M4020-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-821-N-SO-2-2.5-093021

Manual Integrations
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 10/4/2021 11:47:59 AM

Quant Time: Oct 01 18:01:10 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	7.643	152	29362	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	136810	0.40	ng	0.00
13) Acenaphthene-d10	14.269	164	76944	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	151825	0.40	ng	# 0.00
29) Chrysene-d12	21.228	240	146473	0.40	ng	#-0.01
35) Perylene-d12	23.485	264	162525	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	22178	0.30	ng	0.02
5) Phenol-d6	6.831	99	22056	0.27	ng	0.00
8) Nitrobenzene-d5	8.785	82	24903	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	59076	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11305	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	75313	0.24	ng	0.00
27) Fluoranthene-d10	19.063	212	112204	0.28	ng	0.00
31) Terphenyl-d14	19.679	244	81952	0.26	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.263	88	2263	0.17	ng	# 84
9) Naphthalene	10.457	128	17685	0.05	ng	97
12) 2-Methylnaphthalene	12.078	142	7623	0.03	ng	99
16) Acenaphthylene	13.990	152	7736	0.02	ng	# 92
17) Acenaphthene	14.332	154	5067	0.02	ng	93
18) Fluorene	15.322	166	9569	0.04	ng	89
25) Phenanthrene	17.066	178	74426	0.16	ng	98
26) Anthracene	17.152	178	15417	0.04	ng	# 90
28) Fluoranthene	19.098	202	116592	0.24	ng	97
30) Pyrene	19.460	202	112676	0.24	ng	# 95
32) Benzo(a)anthracene	21.217	228	52103	0.12	ng	# 92
33) Chrysene	21.270	228	56600	0.12	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.164	149	60746	0.34	ng	97
36) Indeno(1,2,3-cd)pyrene	25.764	276	38178	0.07	ng	# 92
37) Benzo(b)fluoranthene	22.807	252	78394	0.15	ng	# 75
38) Benzo(k)fluoranthene	22.848	252	29367m	0.06	ng	
39) Benzo(a)pyrene	23.385	252	51530	0.11	ng	# 77
40) Dibenzo(a,h)anthracene	25.774	278	9809	0.02	ng	# 1
41) Benzo(g,h,i)perylene	26.462	276	38107	0.07	ng	# 79

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

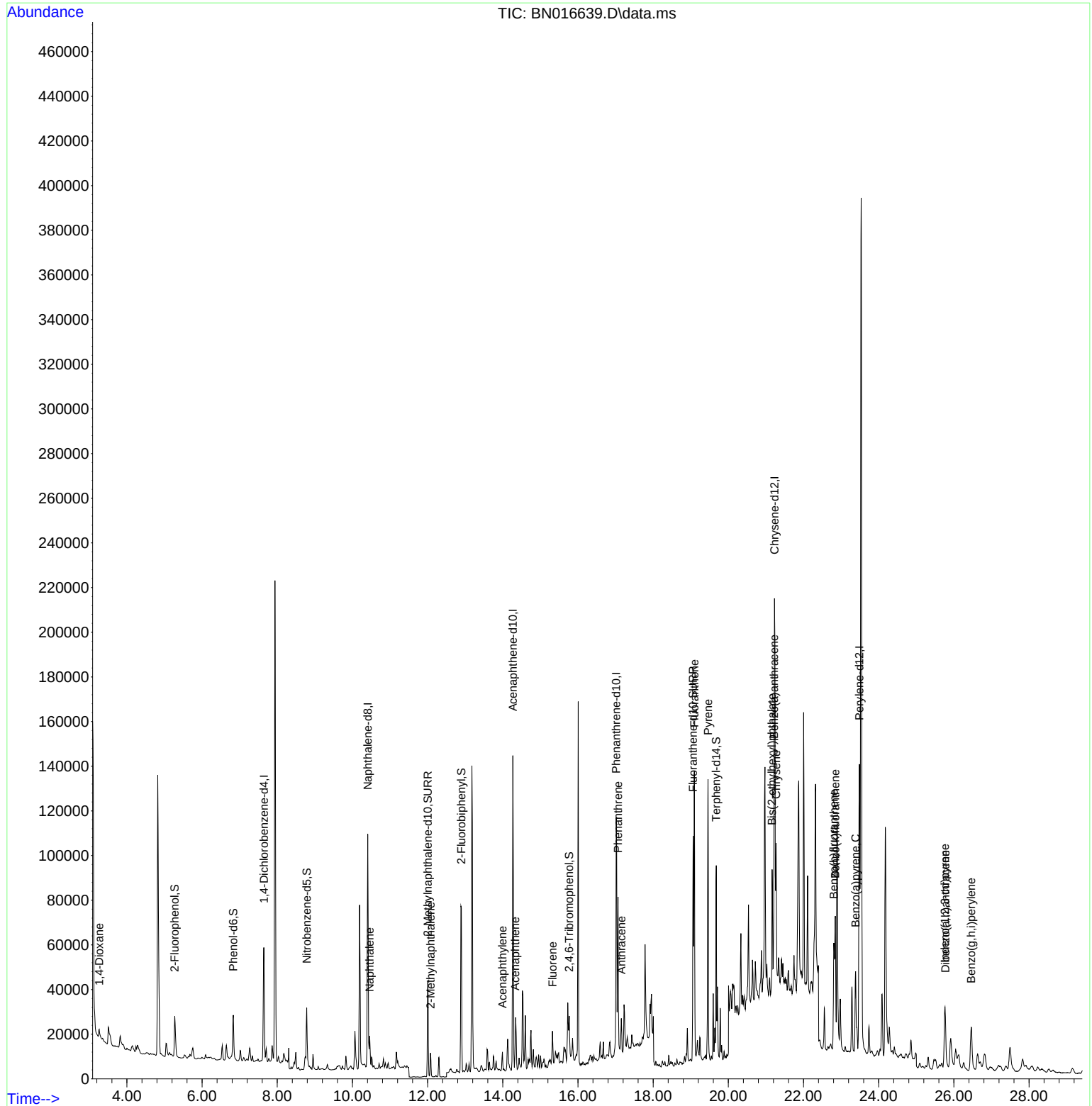
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016639.D
Acq On : 01 Oct 2021 17:08
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ALS Vial : 8 Sample Multiplier: 1

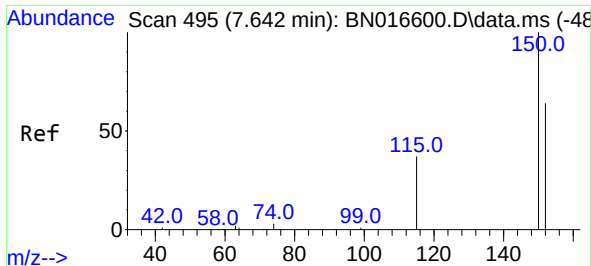
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

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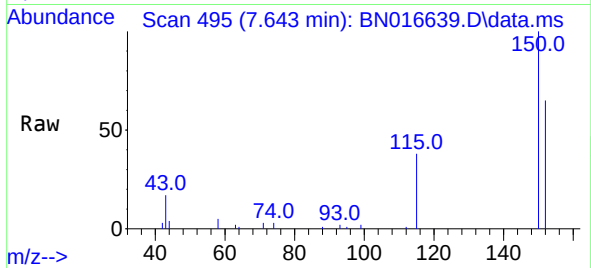
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Quant Time: Oct 01 18:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

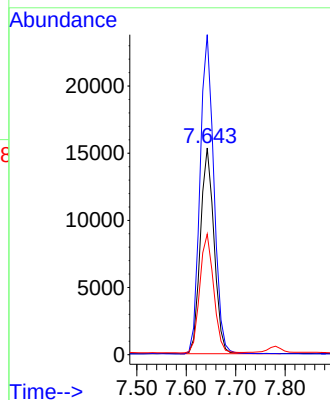




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



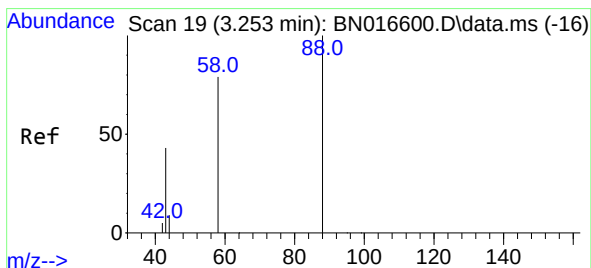
Tgt Ion: 152 Resp: 29362
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 58.3 46.5 69.7



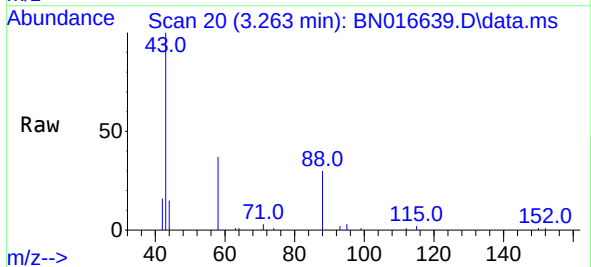
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

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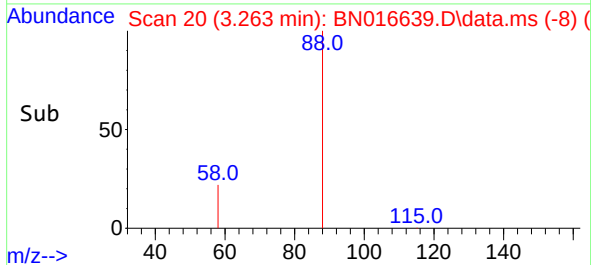
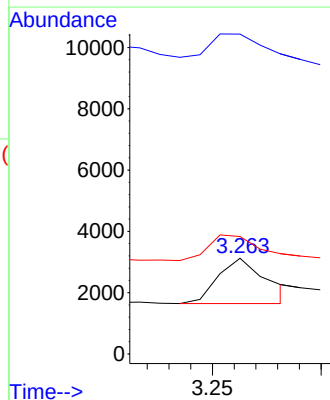
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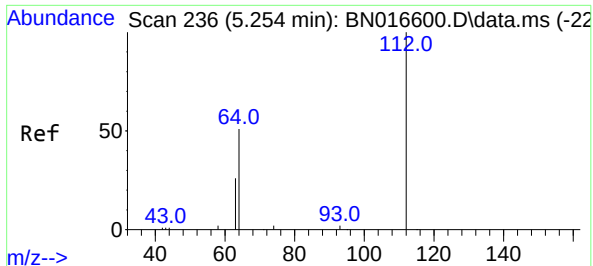


#2
1,4-Dioxane
Concen: 0.17 ng
RT: 3.263 min Scan# 20
Delta R.T. 0.009 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



Tgt Ion: 88 Resp: 2263
Ion Ratio Lower Upper
88 100
43 51.7 37.8 56.8
58 57.1 61.3 91.9





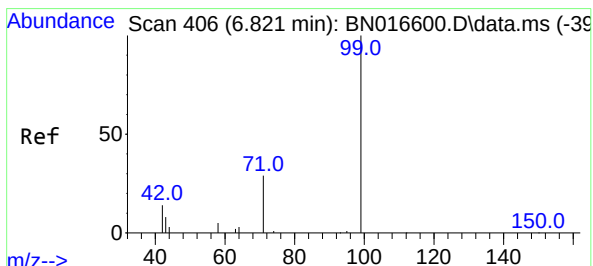
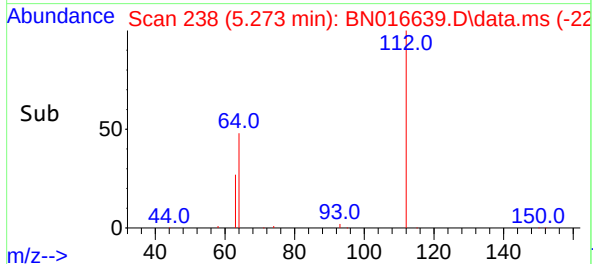
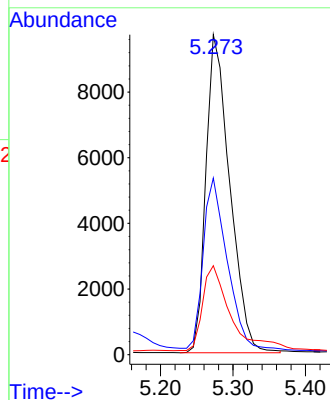
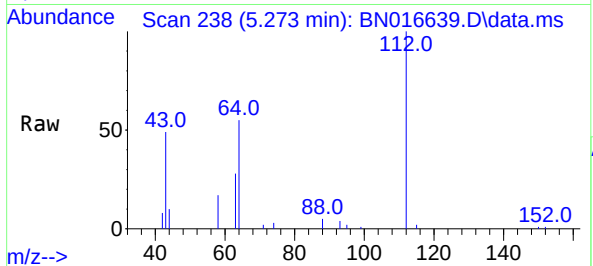
#4
2-Fluorophenol
Concen: 0.30 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.018 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 112 Resp: 22178
Ion Ratio Lower Upper
112 100
64 53.0 43.1 64.7
63 31.1 21.6 32.4

Instrument :
BNA_N
ClientSampleId :
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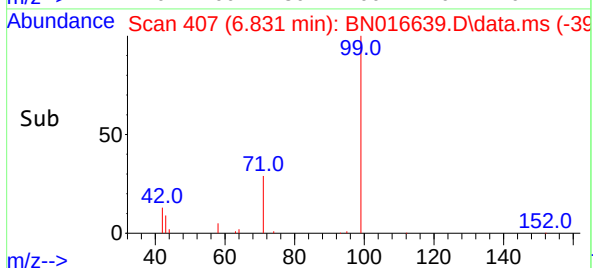
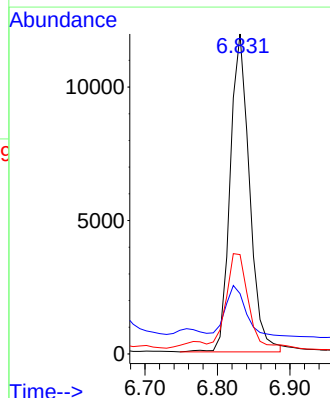
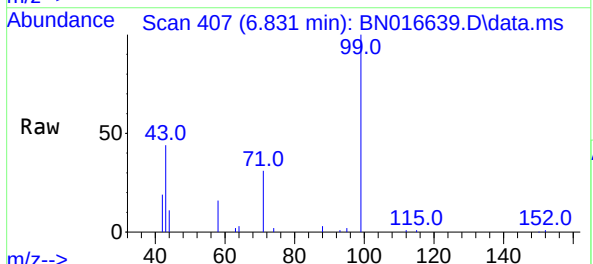
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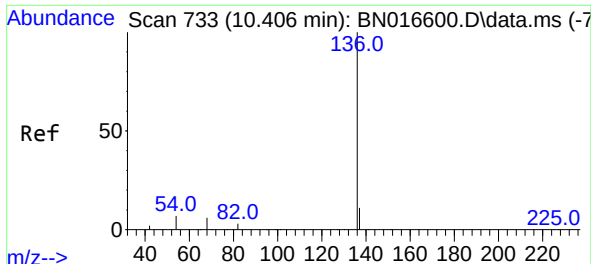
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#5
Phenol-d6
Concen: 0.27 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

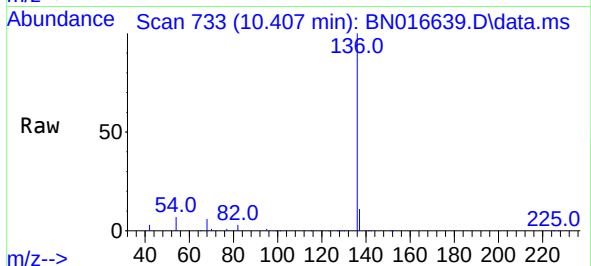
Tgt Ion: 99 Resp: 22056
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.6
71 31.0 23.5 35.3





#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

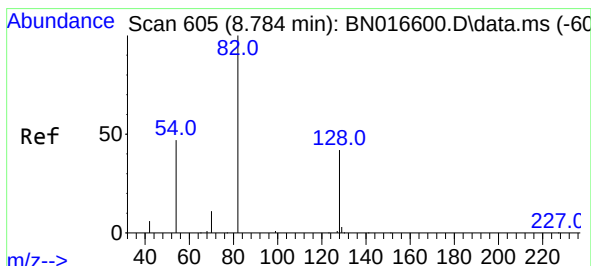
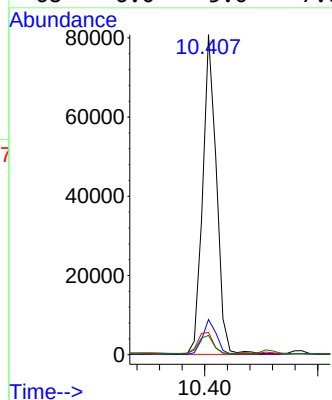
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ClientSampleId :
S-821-N-SO-2-2.5-093021



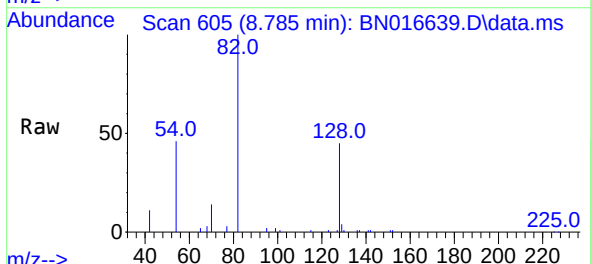
Tgt Ion:	136	Resp:	136810
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.0	5.9	8.9
68	6.0	5.0	7.6

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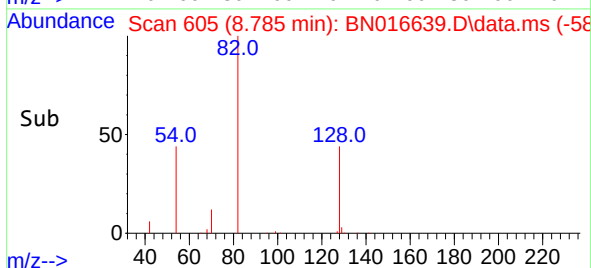
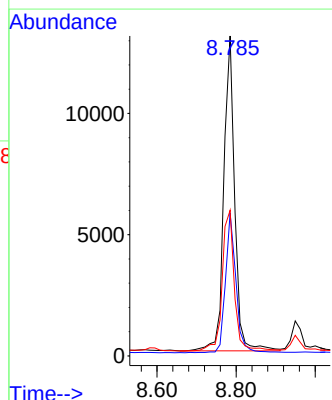
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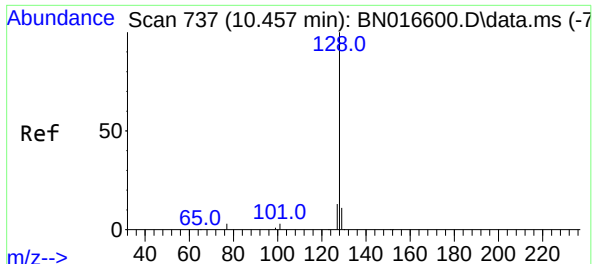


#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

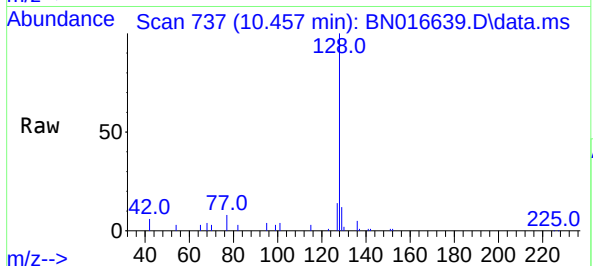


Tgt Ion:	82	Resp:	24903
Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.6	50.4
54	45.6	37.6	56.4

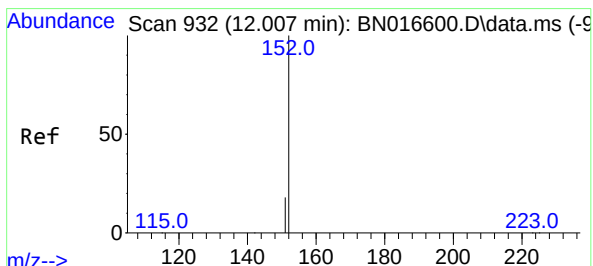
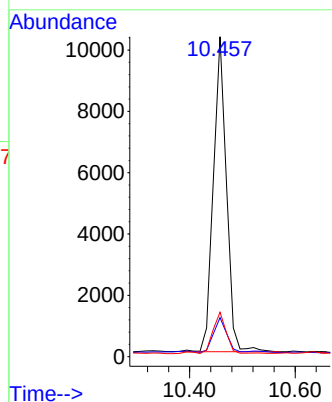
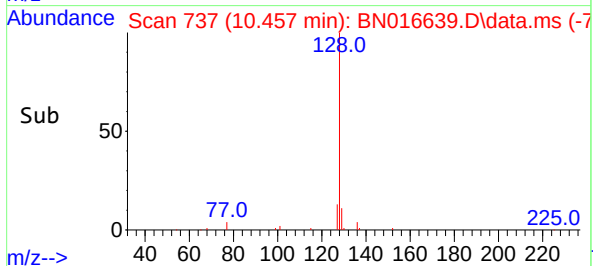




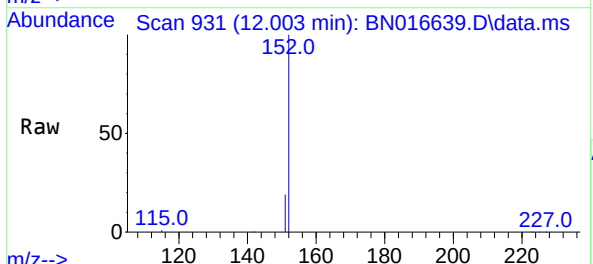
#9
Naphthalene
Concen: 0.05 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



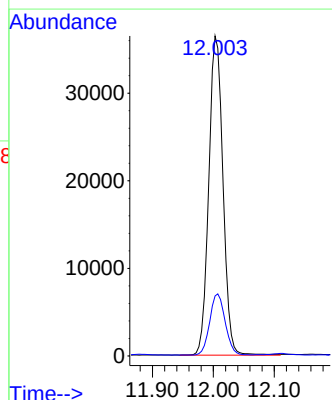
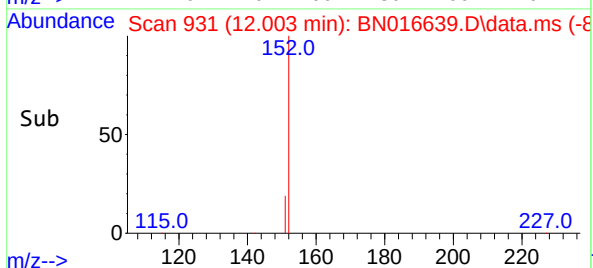
Tgt Ion:128 Resp: 17685
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.9 10.3 15.5



#11
2-Methylnaphthalene-d10
Concen: 0.29 ng
RT: 12.003 min Scan# 931
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



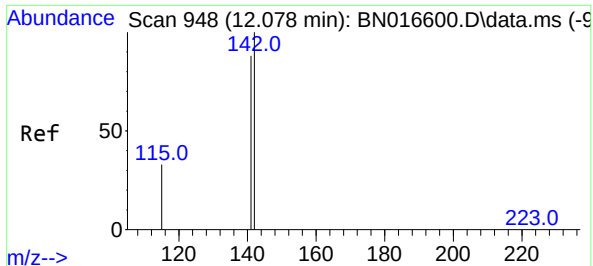
Tgt Ion:152 Resp: 59076
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4



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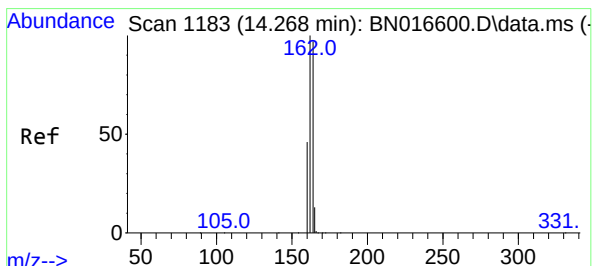
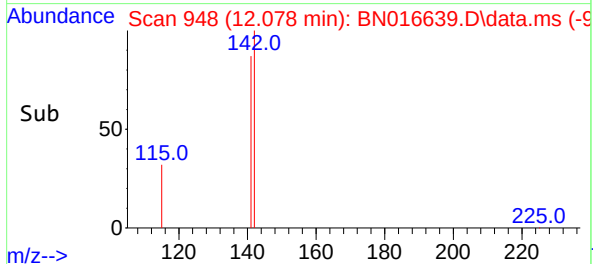
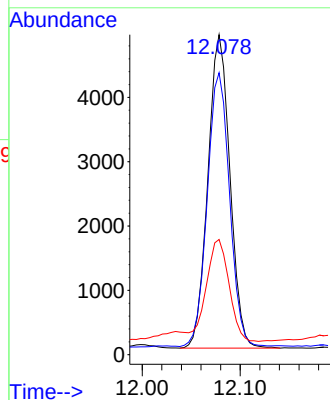
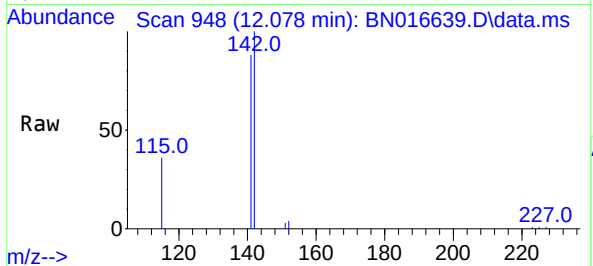
#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:142 Resp: 7623
Ion Ratio Lower Upper
142 100
141 88.1 70.6 105.8
115 36.0 26.6 39.8

Instrument :
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ClientSampleId :
S-821-N-SO-2-2.5-093021

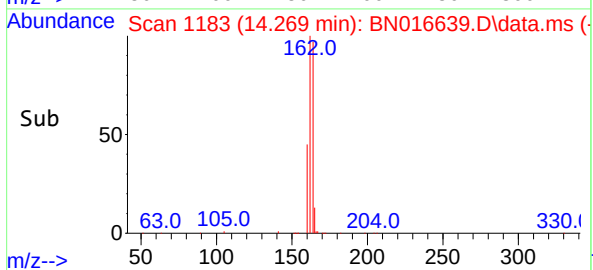
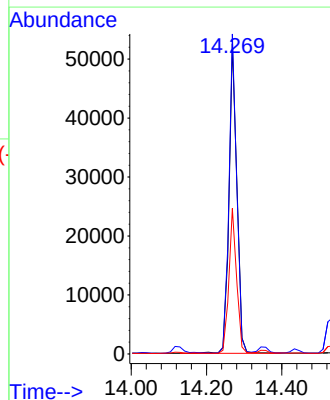
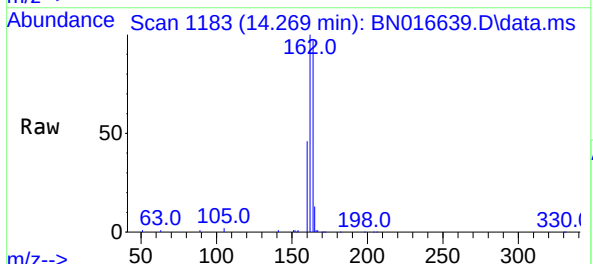
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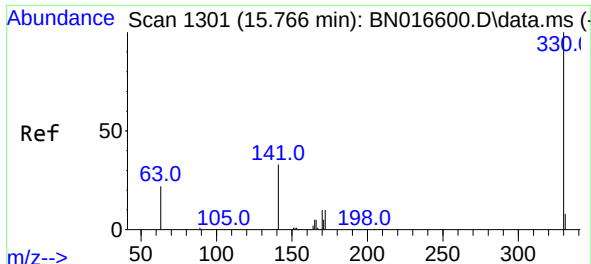
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#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:164 Resp: 76944
Ion Ratio Lower Upper
164 100
162 103.2 82.2 123.2
160 47.0 37.7 56.5





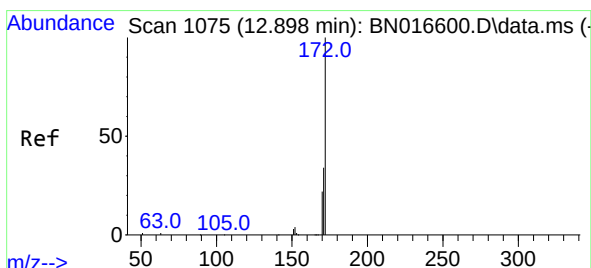
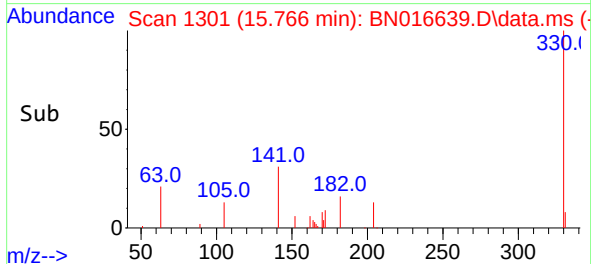
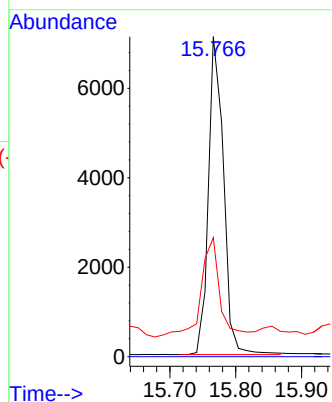
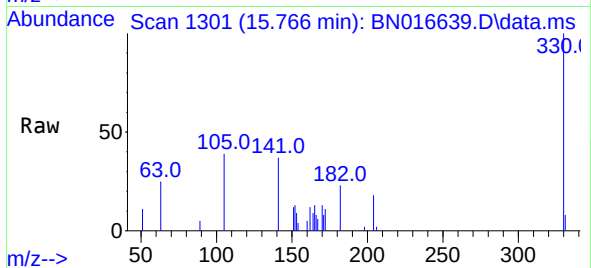
#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 330 Resp: 11305
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.2 25.2 37.8

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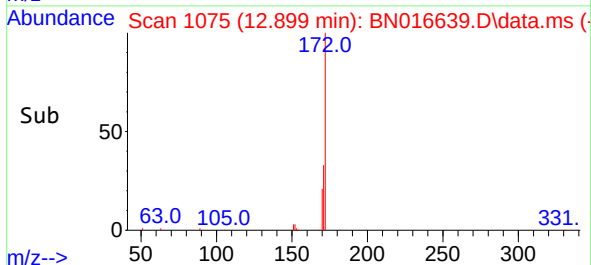
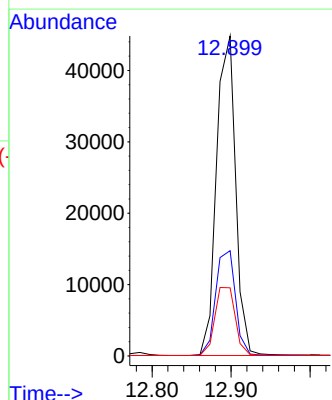
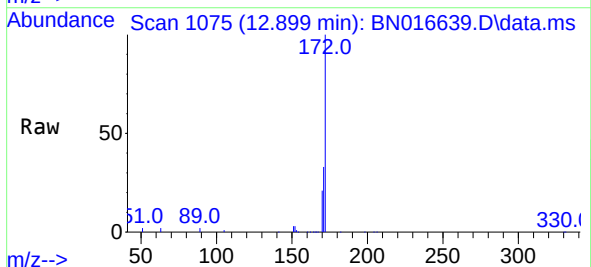
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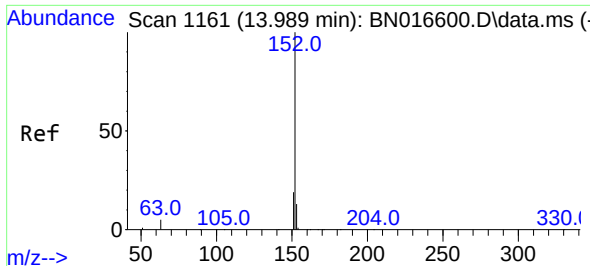
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#15
2-Fluorobiphenyl
Concen: 0.24 ng
RT: 12.899 min Scan# 1075
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

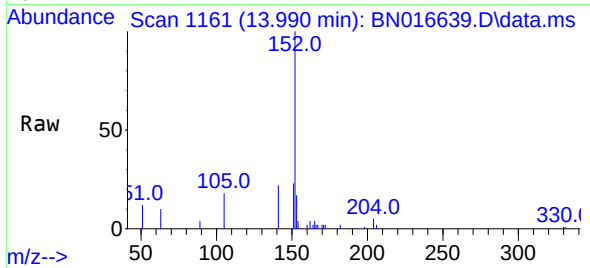
Tgt Ion: 172 Resp: 75313
Ion Ratio Lower Upper
172 100
171 32.9 27.0 40.4
170 21.3 17.4 26.2





#16
Acenaphthylene
Concen: 0.02 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

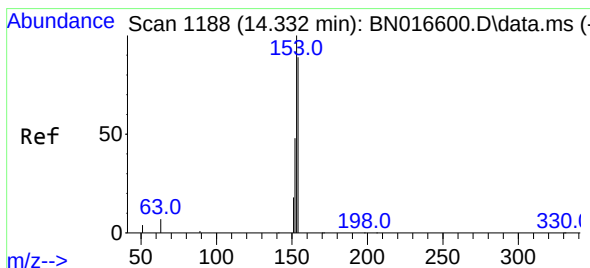
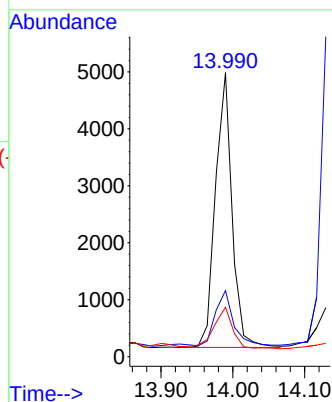
Instrument :
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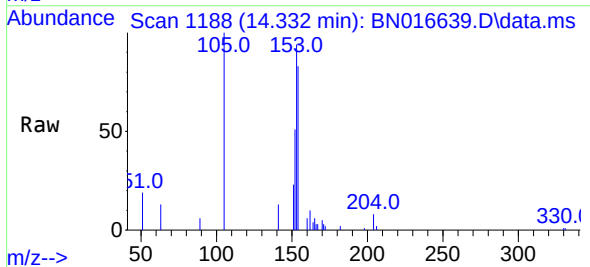
Tgt Ion:152 Resp: 7736
Ion Ratio Lower Upper
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151 21.9 15.5 23.3
153 17.9 10.4 15.6#

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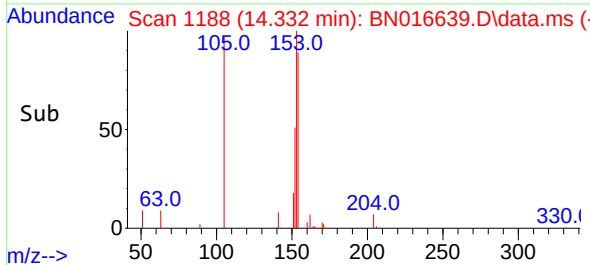
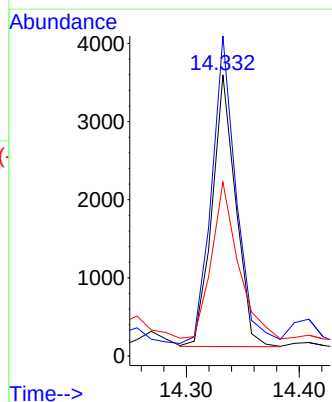
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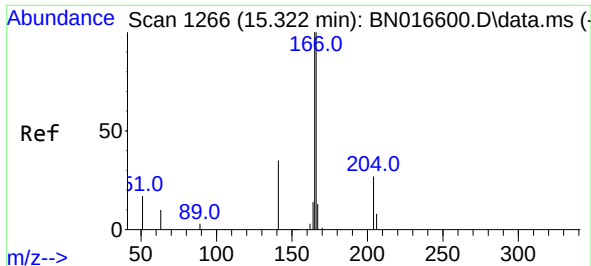


#17
Acenaphthene
Concen: 0.02 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



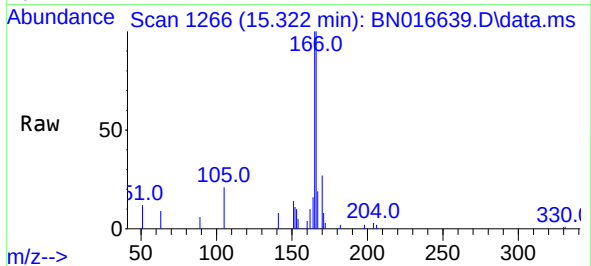
Tgt Ion:154 Resp: 5067
Ion Ratio Lower Upper
154 100
153 116.6 90.2 135.2
152 64.2 44.0 66.0





#18
Fluorene
Concen: 0.04 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
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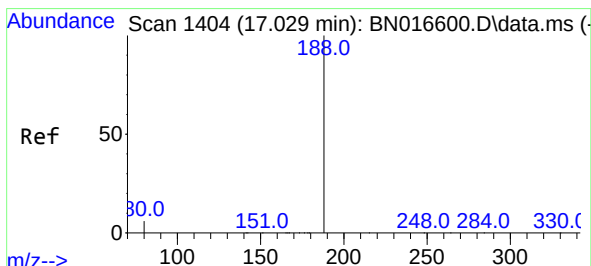
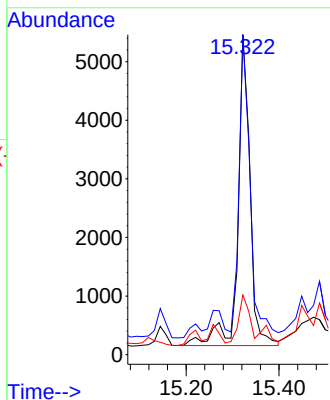
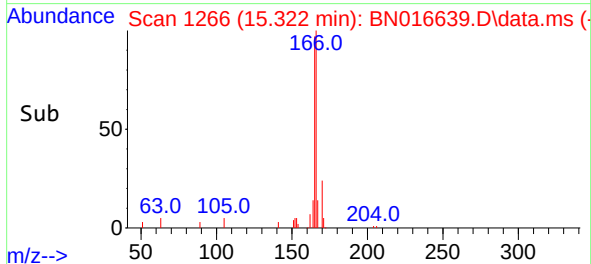
Instrument :
BNA_N
ClientSampleId :
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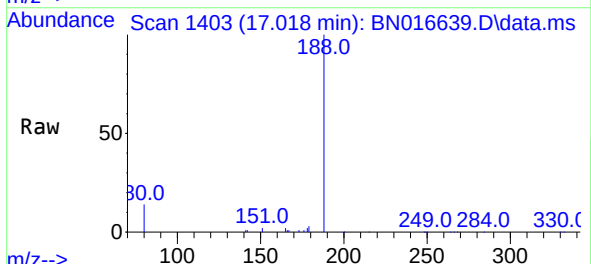
Tgt Ion:166 Resp: 9569
Ion Ratio Lower Upper
166 100
165 85.5 77.9 116.9
167 14.9 10.7 16.1

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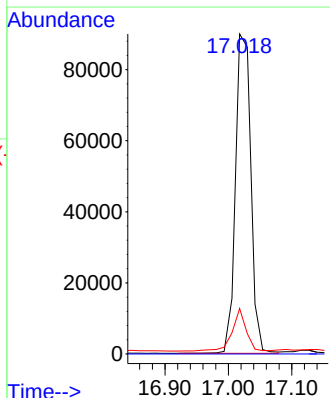
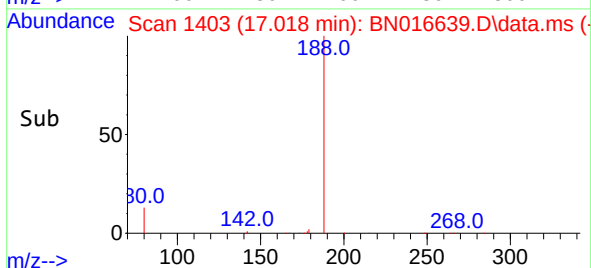
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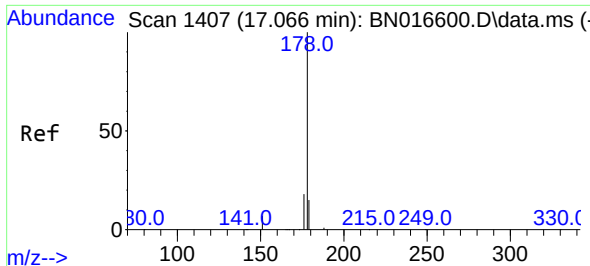


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



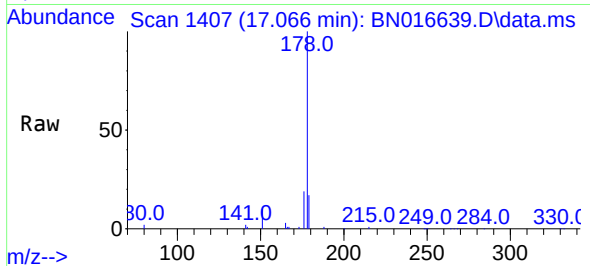
Tgt Ion:188 Resp: 151825
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.2 5.0 7.6#





#25
Phenanthrene
Concen: 0.16 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

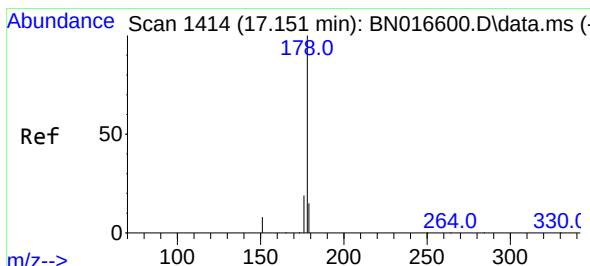
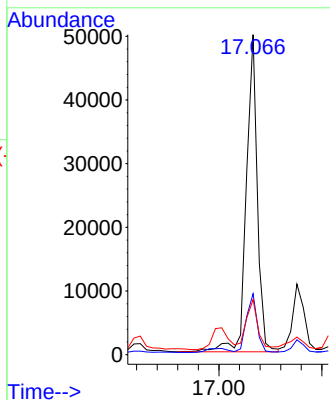
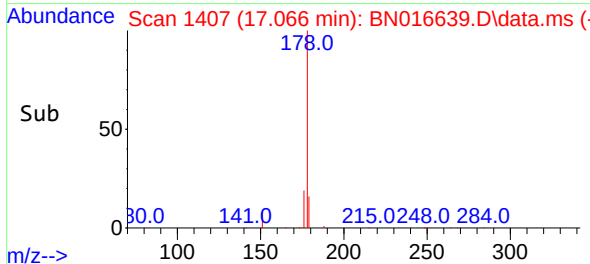
Instrument :
BNA_N
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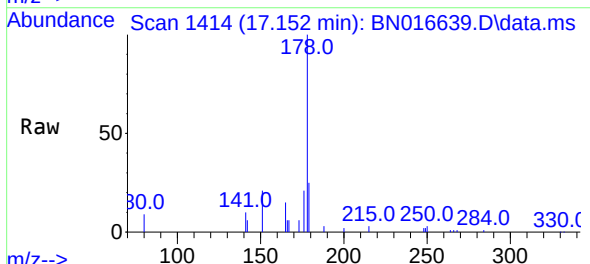
Tgt Ion:178 Resp: 74426
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.4
179 14.5 12.2 18.4

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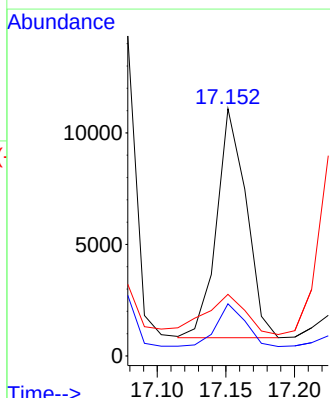
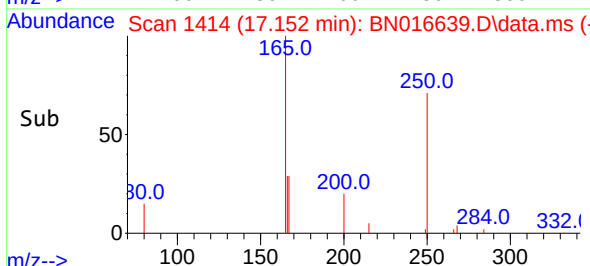
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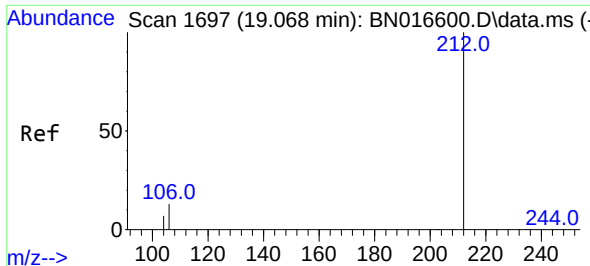


#26
Anthracene
Concen: 0.04 ng
RT: 17.152 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



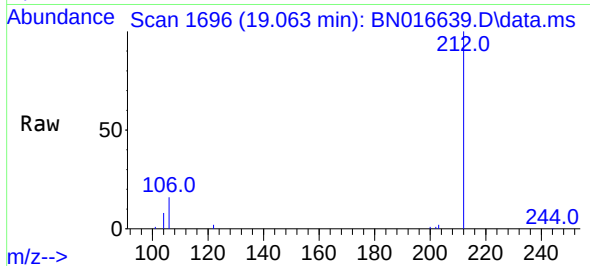
Tgt Ion:178 Resp: 15417
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 24.3 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.28 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

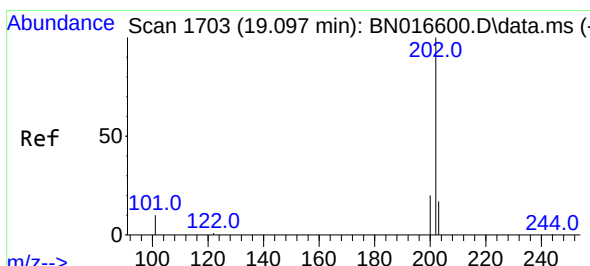
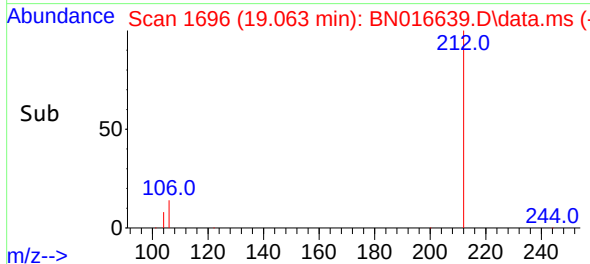
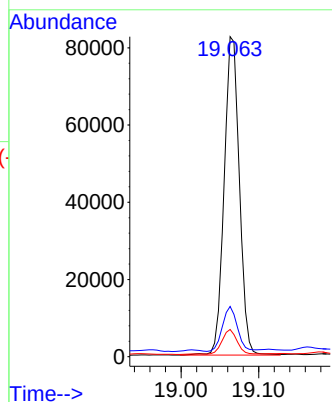
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:212 Resp: 112204
Ion Ratio Lower Upper
212 100
106 13.9 10.6 16.0
104 7.4 5.9 8.9

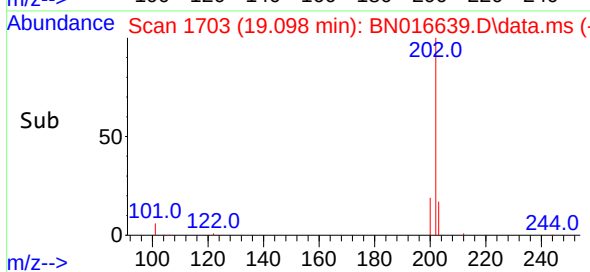
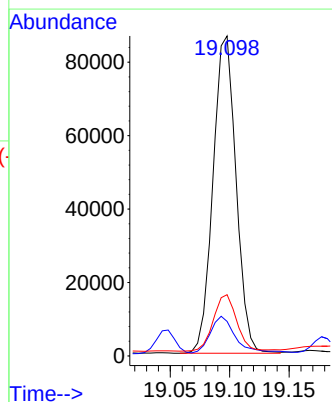
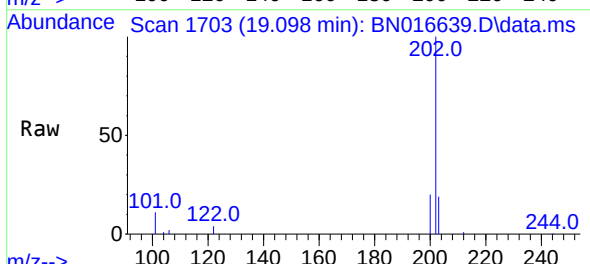
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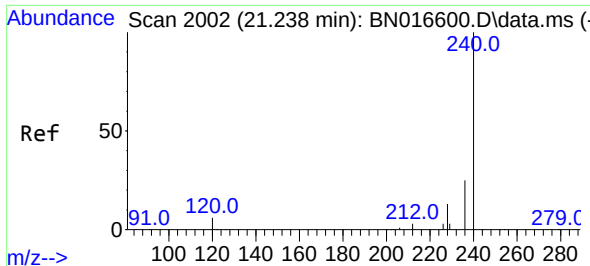
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#28
Fluoranthene
Concen: 0.24 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016639.D
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Tgt Ion:202 Resp: 116592
Ion Ratio Lower Upper
202 100
101 12.6 9.0 13.4
203 18.0 13.8 20.6





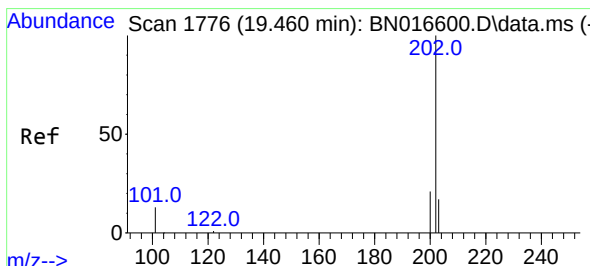
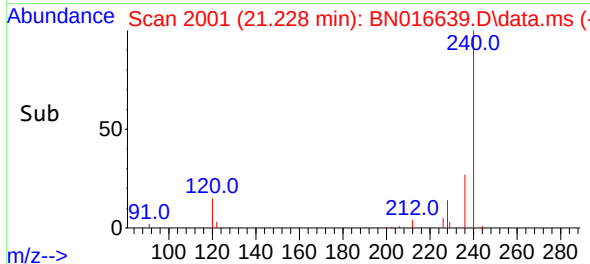
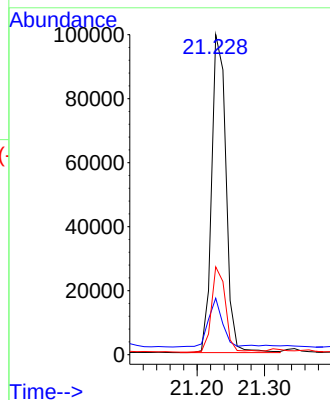
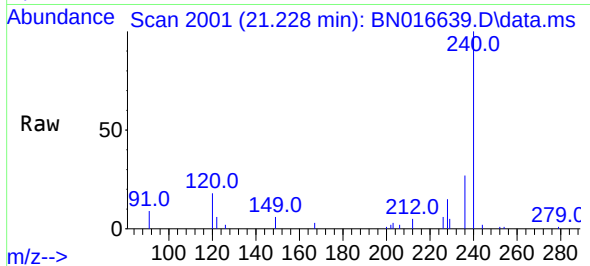
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.228 min Scan# 2001
Delta R.T. -0.011 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:240 Resp: 146473
Ion Ratio Lower Upper
240 100
120 17.7 5.0 7.4#
236 27.5 20.4 30.6

Instrument :
BNA_N
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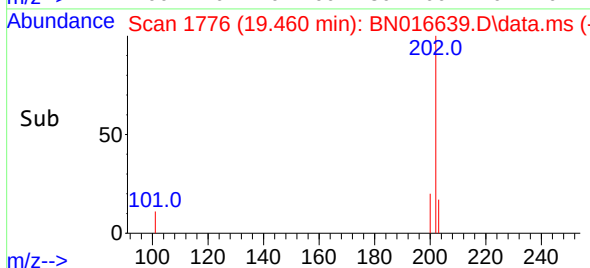
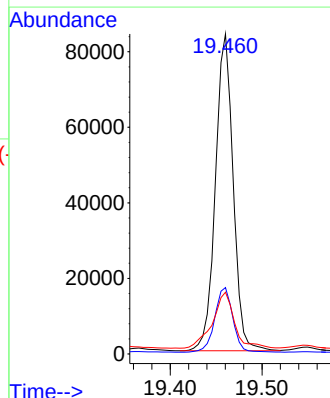
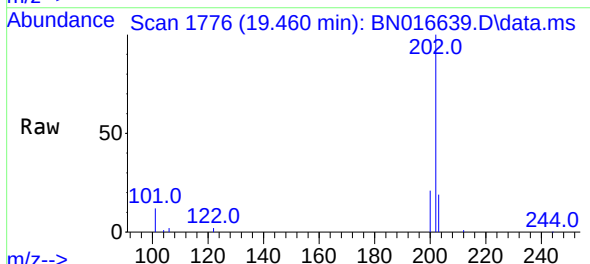
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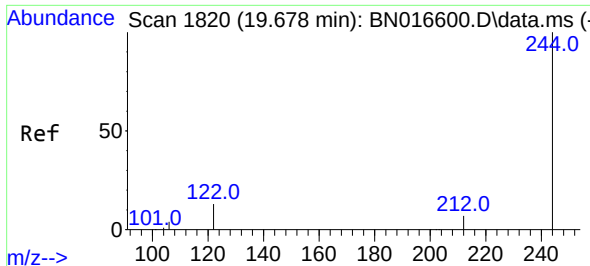
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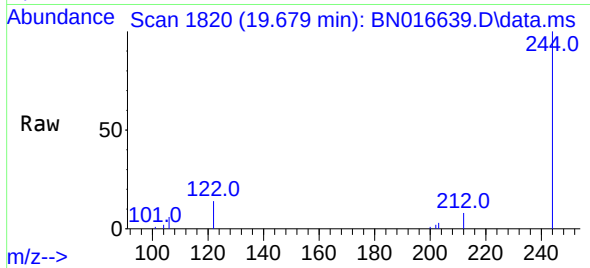
#30
Pyrene
Concen: 0.24 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:202 Resp: 112676
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.8 14.0 21.0#

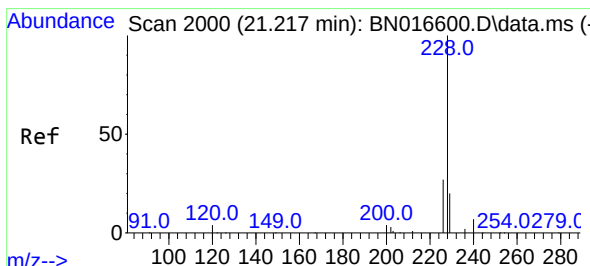
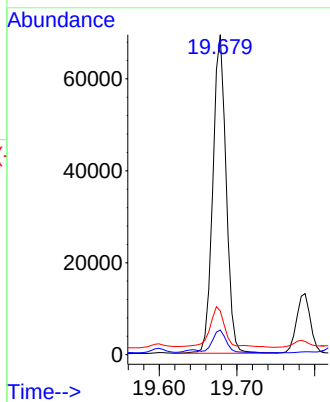
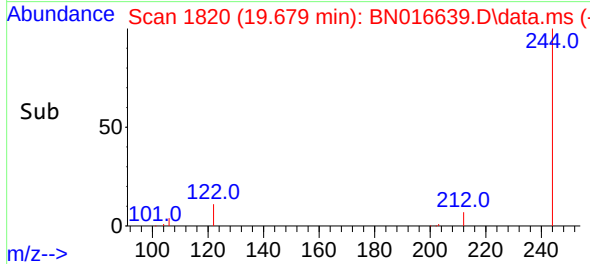




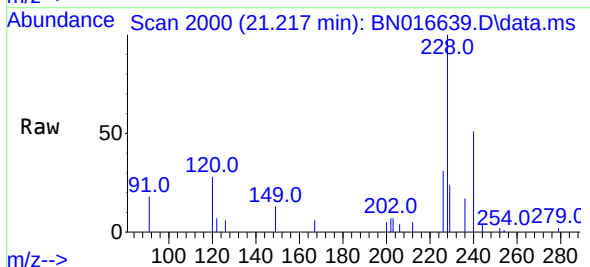
#31
Terphenyl-d14
Concen: 0.26 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016639.D
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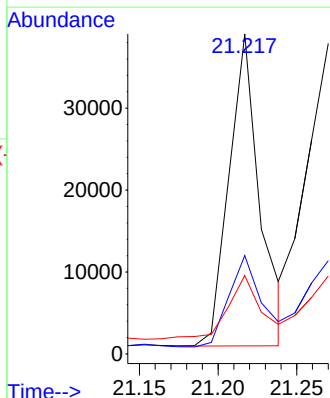
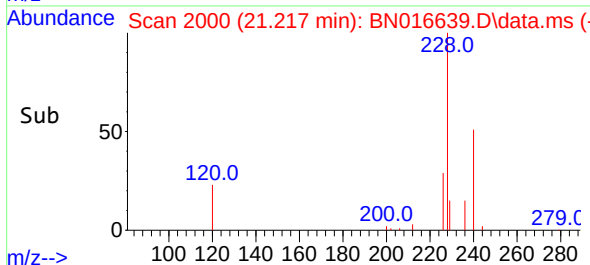
Tgt Ion:244 Resp: 81952
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 13.6 10.1 15.1



#32
Benzo(a)anthracene
Concen: 0.12 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016639.D
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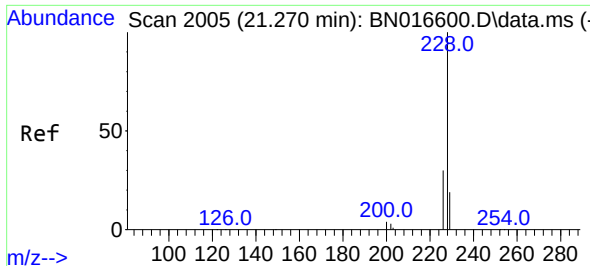
Tgt Ion:228 Resp: 52103
Ion Ratio Lower Upper
228 100
226 30.7 21.9 32.9
229 24.5 15.7 23.5#



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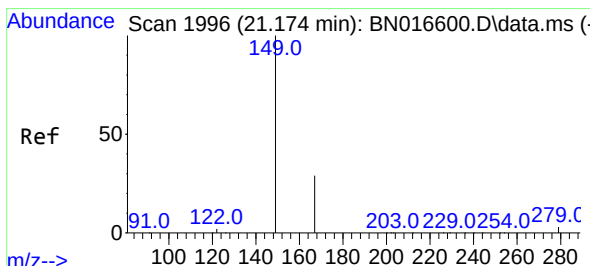
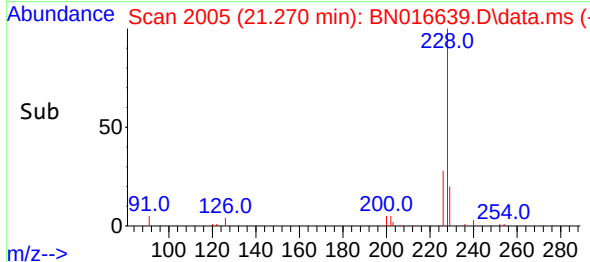
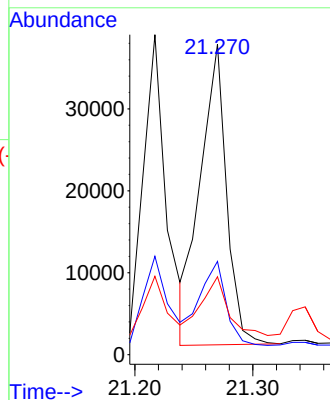
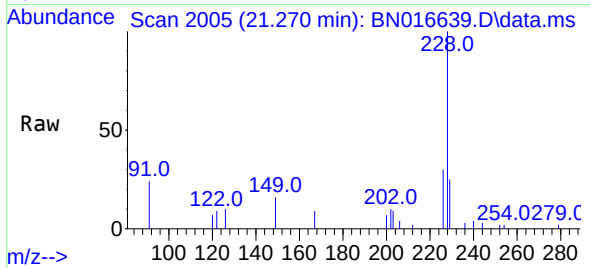
#33
Chrysene
Concen: 0.12 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 228 Resp: 56600
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 25.1 15.5 23.3#

Instrument :
BNA_N
ClientSampleId :
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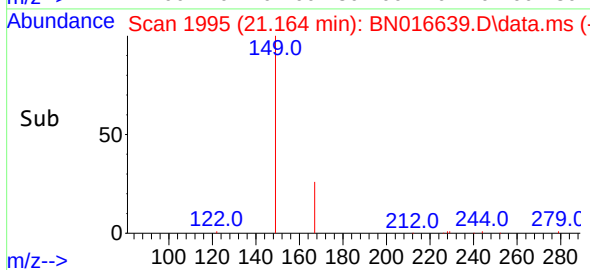
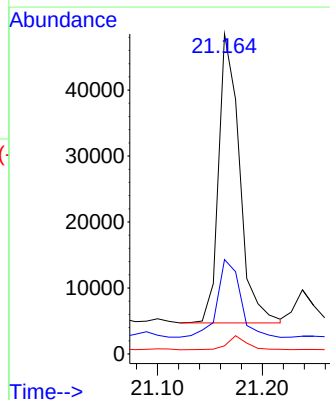
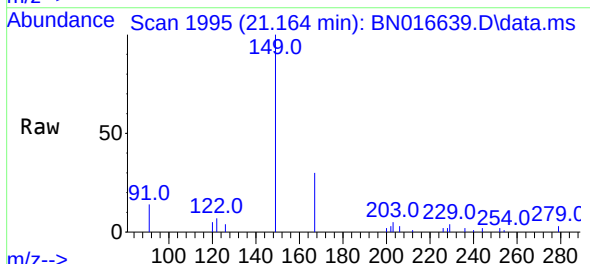
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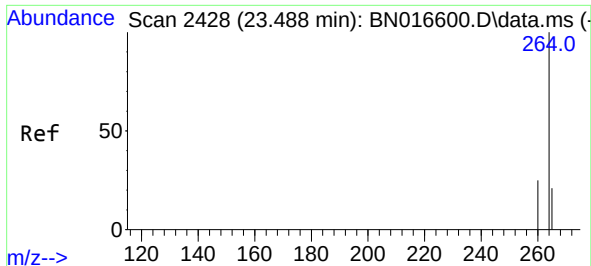
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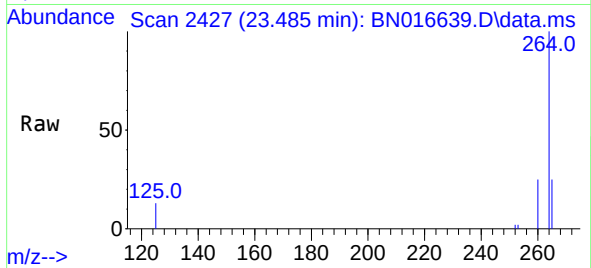
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 149 Resp: 60746
Ion Ratio Lower Upper
149 100
167 29.7 22.2 33.4
279 4.3 3.2 4.8

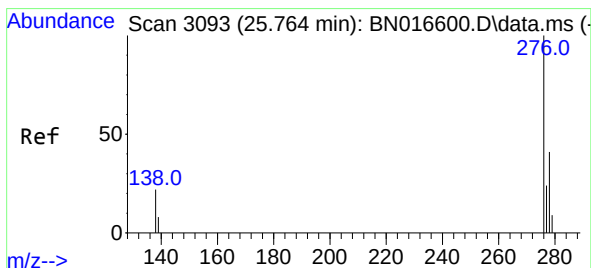
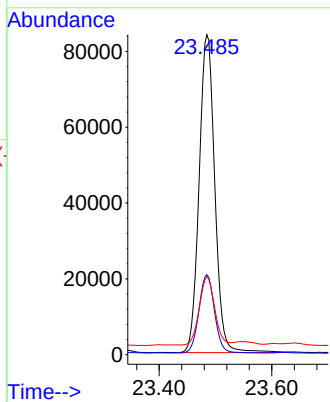
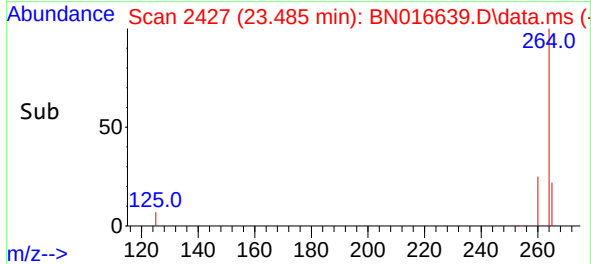




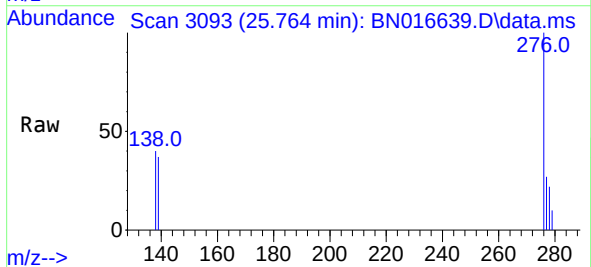
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.485 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



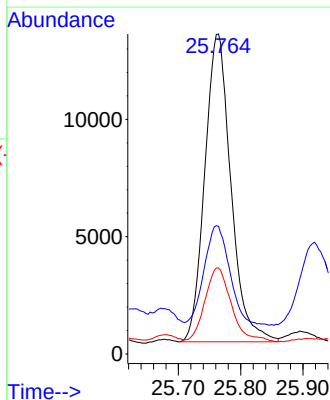
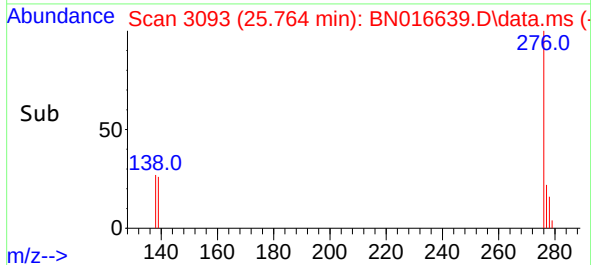
Tgt Ion:264 Resp: 162525
Ion Ratio Lower Upper
264 100
260 25.0 19.9 29.9
265 24.5 19.2 28.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng
RT: 25.764 min Scan# 3093
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08



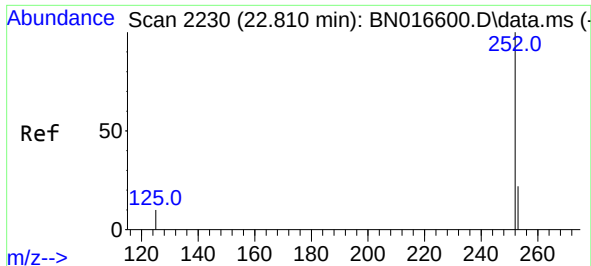
Tgt Ion:276 Resp: 38178
Ion Ratio Lower Upper
276 100
138 31.8 19.5 29.3#
277 24.2 19.9 29.9



Instrument :
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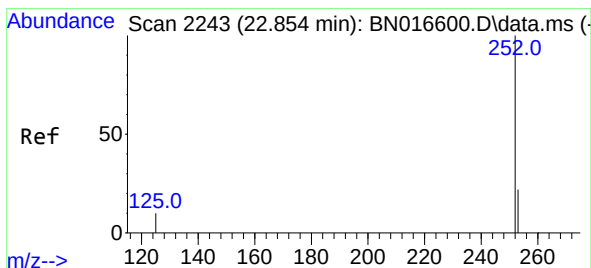
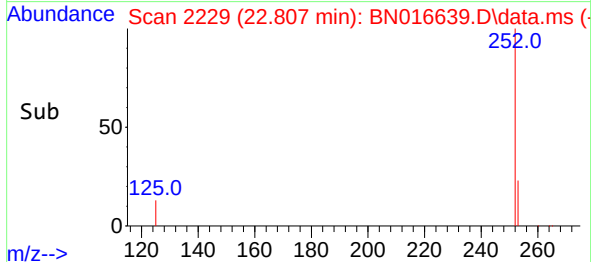
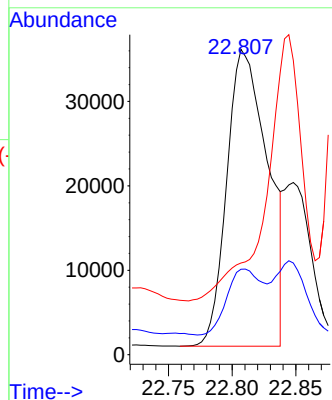
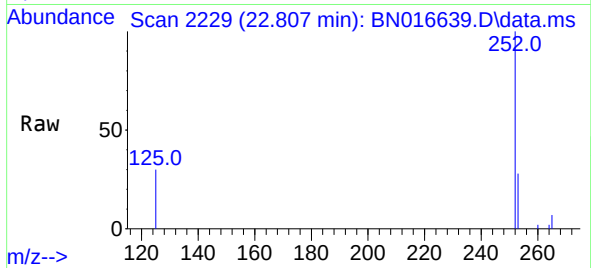
#37
Benzo(b)fluoranthene
Concen: 0.15 ng
RT: 22.807 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:252 Resp: 78394
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.8#
125 30.0 8.0 12.0#

Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

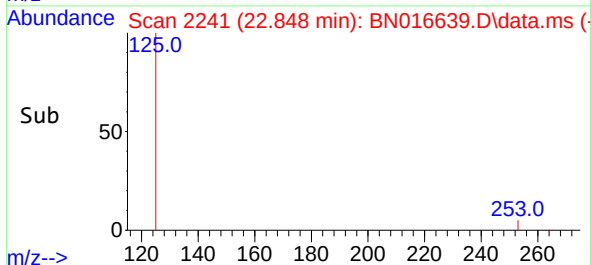
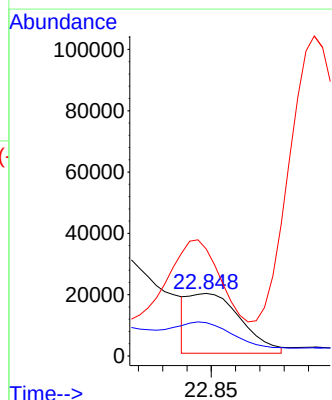
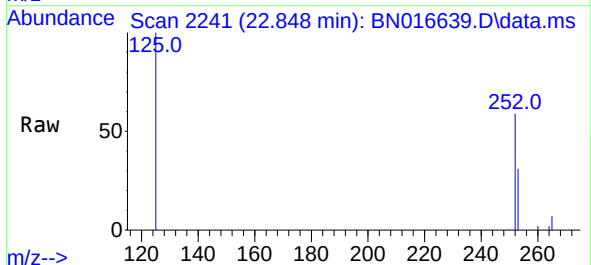
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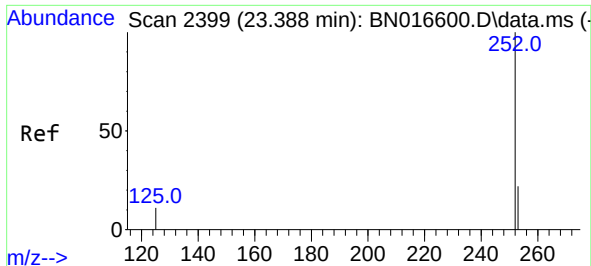
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#38
Benzo(k)fluoranthene
Concen: 0.06 ng m
RT: 22.848 min Scan# 2241
Delta R.T. -0.007 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:252 Resp: 29367
Ion Ratio Lower Upper
252 100
253 53.2 17.8 26.6#
125 170.9 8.0 12.0#





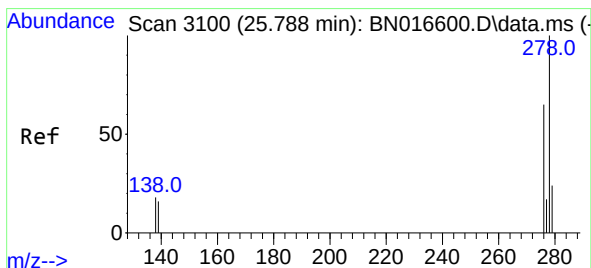
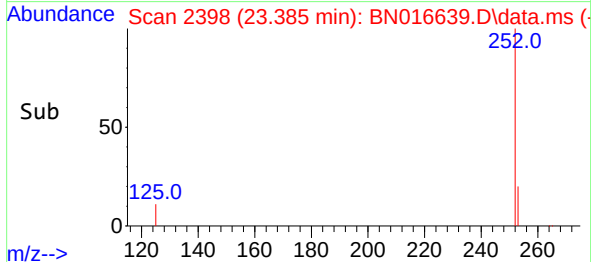
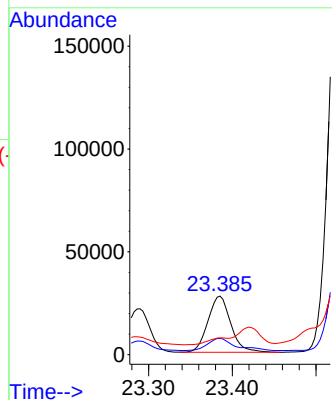
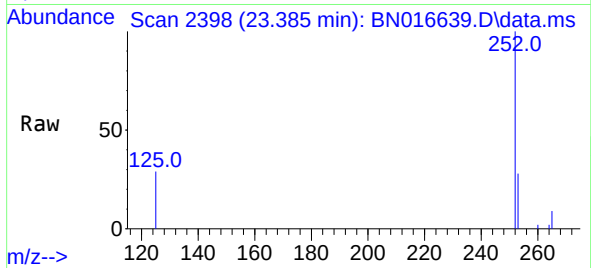
#39
Benzo(a)pyrene
Concen: 0.11 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:252 Resp: 51530
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.8#
125 28.8 9.0 13.4#

Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

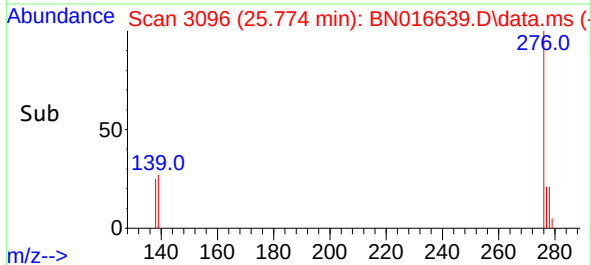
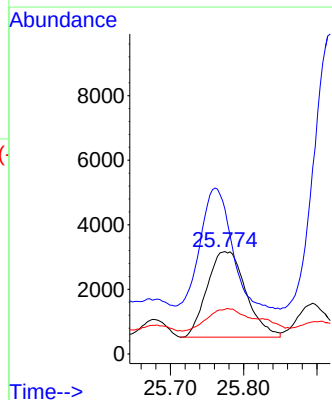
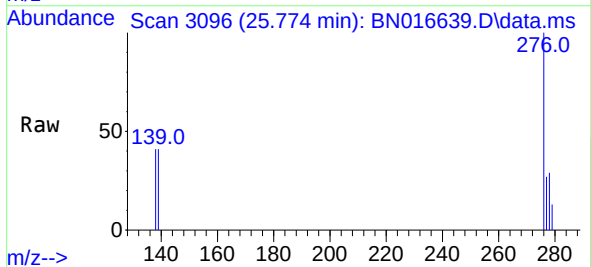
Manual Integrations
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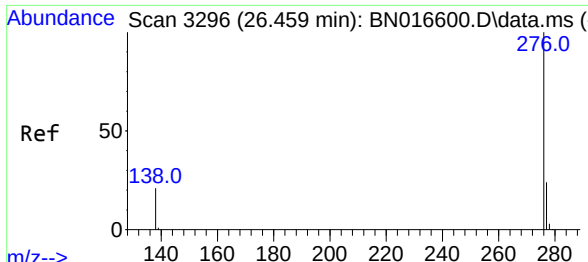
mohammad
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#40
Dibenzo(a,h)anthracene
Concen: 0.02 ng
RT: 25.774 min Scan# 3096
Delta R.T. -0.010 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:278 Resp: 9809
Ion Ratio Lower Upper
278 100
139 141.1 13.1 19.7#
279 43.6 19.1 28.7#





#41
Benzo(g,h,i)perylene
Concen: 0.07 ng
RT: 26.462 min Scan# 3297
Delta R.T. 0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 276 Resp: 38107
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.6
138 39.6 16.9 25.3#

Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

Manual Integrations
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