

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016701.D
 Acq On : 03 Oct 2021 10:36
 Operator : CG/JU
 Sample : M3892-19
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221-FD

Manual Integrations
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Quant Time: Oct 04 03:38:13 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	23884	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	111693	0.40	ng	0.00
13) Acenaphthene-d10	14.269	164	63946	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	128468	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	121998	0.40	ng	# 0.00
35) Perylene-d12	23.498	264	90107	0.40	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	19109	0.31	ng	0.02
5) Phenol-d6	6.831	99	20211	0.30	ng	0.00
8) Nitrobenzene-d5	8.784	82	23413	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	52381	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11498	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	67082	0.26	ng	-0.01
27) Fluoranthene-d10	19.068	212	109973	0.32	ng	0.00
31) Terphenyl-d14	19.678	244	99642	0.38	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	23119	0.08	ng	98
12) 2-Methylnaphthalene	12.078	142	10371	0.05	ng	98
16) Acenaphthylene	13.990	152	11053	0.04	ng	# 93
17) Acenaphthene	14.332	154	40806	0.22	ng	99
18) Fluorene	15.322	166	49862m	0.22	ng	
25) Phenanthrene	17.066	178	695468m	1.80	ng	
26) Anthracene	17.151	178	218965	0.66	ng	97
28) Fluoranthene	19.098	202	2461607	5.90	ng	99
30) Pyrene	19.465	202	2232935	5.66	ng	# 92
32) Benzo(a)anthracene	21.227	228	1569733	4.19	ng	97
33) Chrysene	21.270	228	1250449	3.30	ng	96
34) Bis(2-ethylhexyl)phtha...	21.174	149	253953	1.70	ng	99
36) Indeno(1,2,3-cd)pyrene	25.778	276	394616	1.23	ng	97
37) Benzo(b)fluoranthene	22.820	252	1573782	5.44	ng	# 96
38) Benzo(k)fluoranthene	22.861	252	630241m	2.20	ng	
39) Benzo(a)pyrene	23.399	252	1058768	4.11	ng	# 96
40) Dibenzo(a,h)anthracene	25.798	278	106863	0.41	ng	# 74
41) Benzo(g,h,i)perylene	26.479	276	328103	1.15	ng	96

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

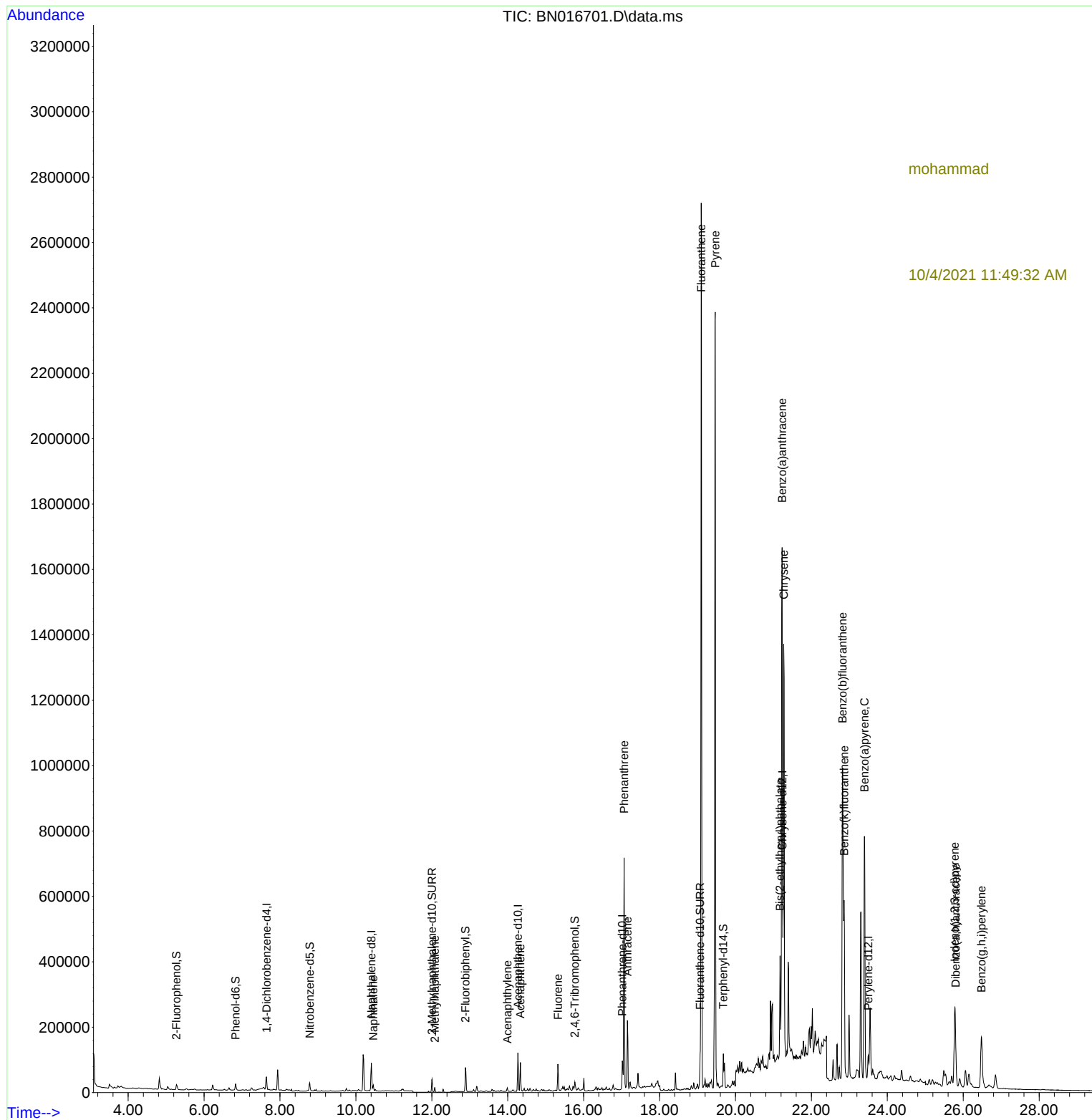
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016701.D
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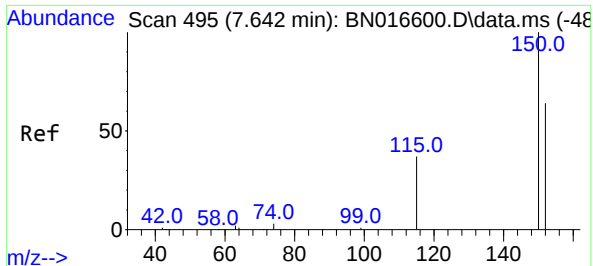
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Quant Time: Oct 04 03:38:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
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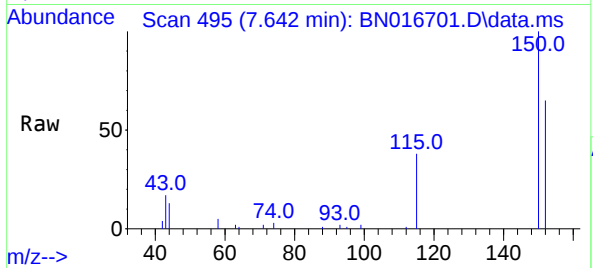


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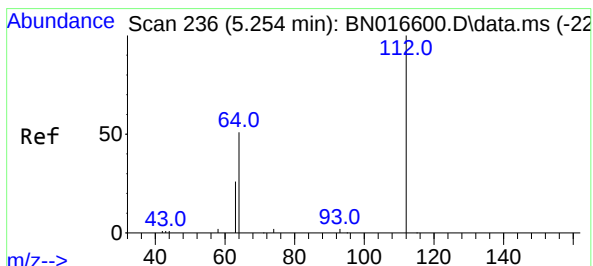
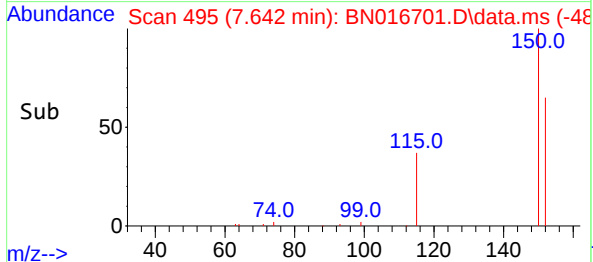
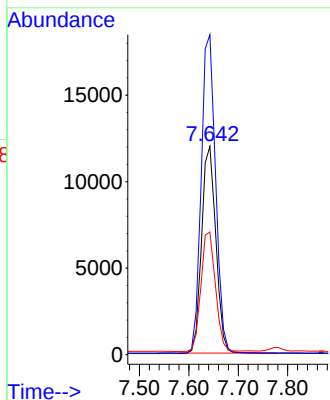
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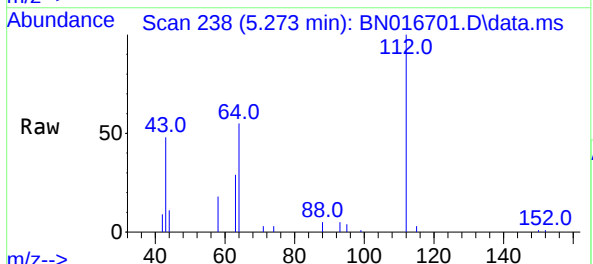
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



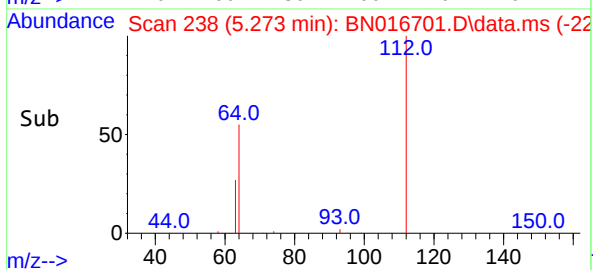
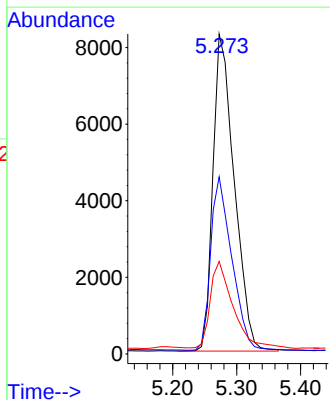
Tgt Ion:152 Resp: 23884
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 58.9 46.5 69.7



#4
2-Fluorophenol
Concen: 0.31 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



Tgt Ion:112 Resp: 19109
Ion Ratio Lower Upper
112 100
64 54.3 43.1 64.7
63 28.8 21.6 32.4



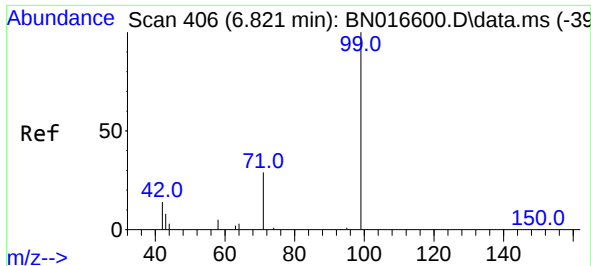
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

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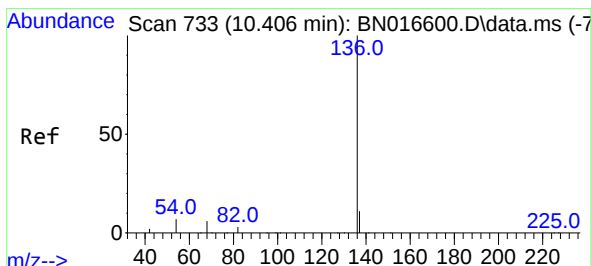
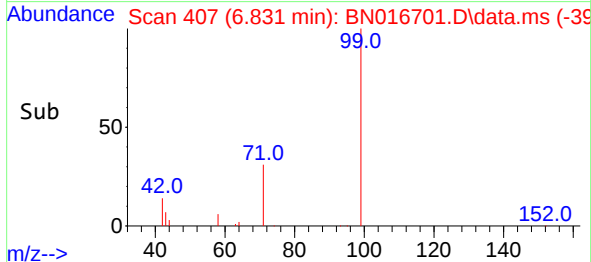
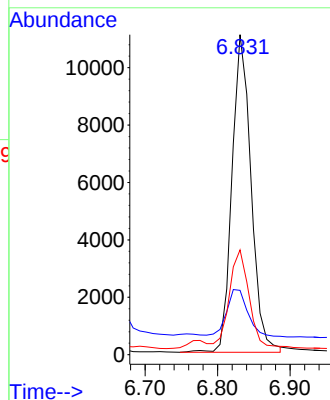
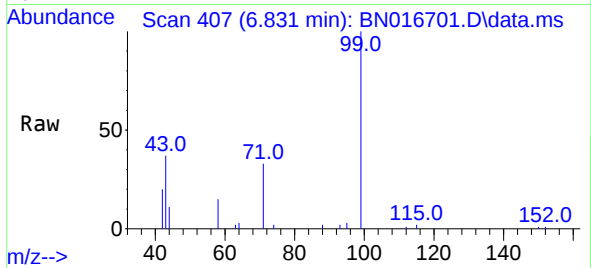
#5
Phenol-d6
Concen: 0.30 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion: 99 Resp: 20211
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.6
71 30.6 23.5 35.3

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

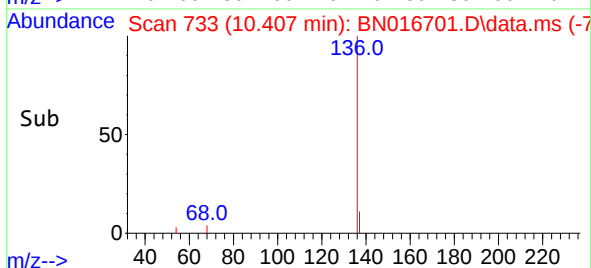
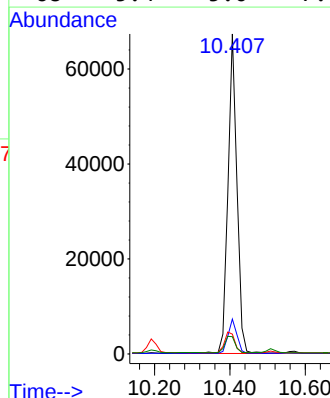
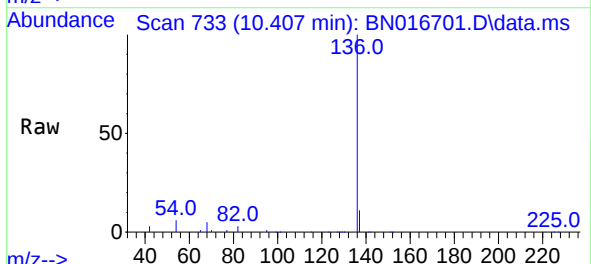
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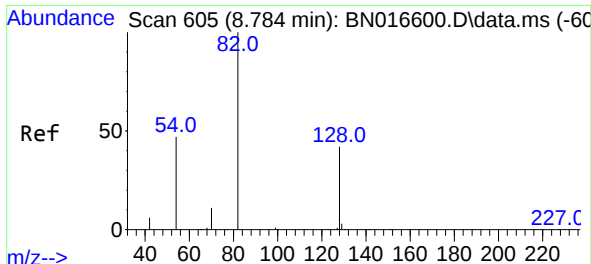
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion: 136 Resp: 111693
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.2 5.9 8.9
68 5.4 5.0 7.6





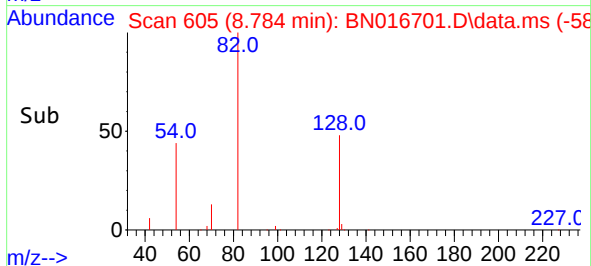
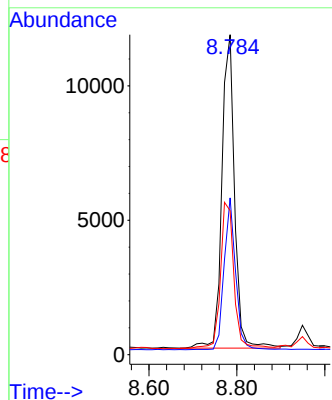
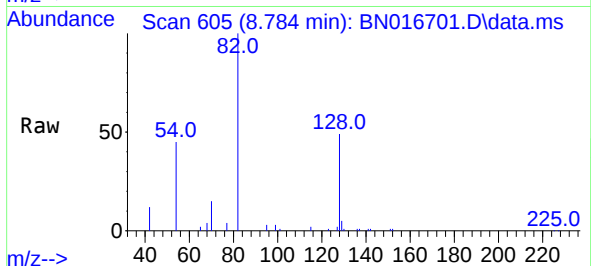
#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:	82	Resp:	23413
Ion	Ratio	Lower	Upper
82	100		
128	49.0	33.6	50.4
54	45.0	37.6	56.4

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

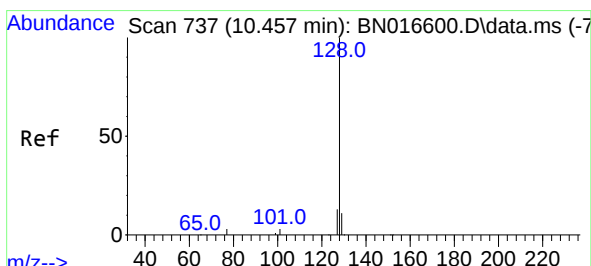
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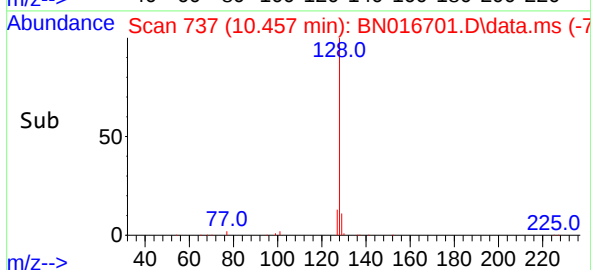
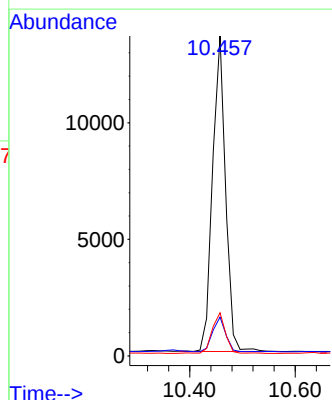
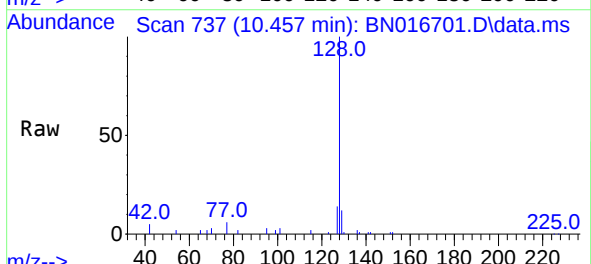
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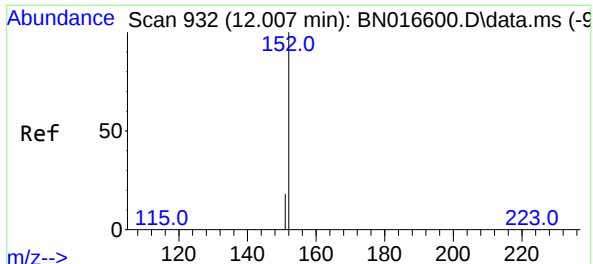
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#9
Naphthalene
Concen: 0.08 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

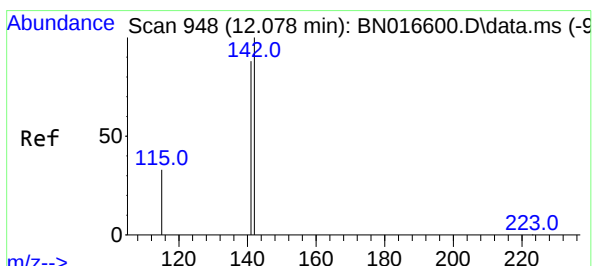
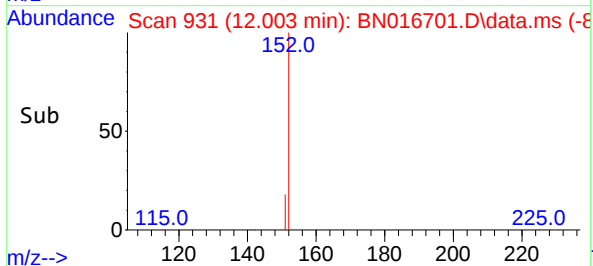
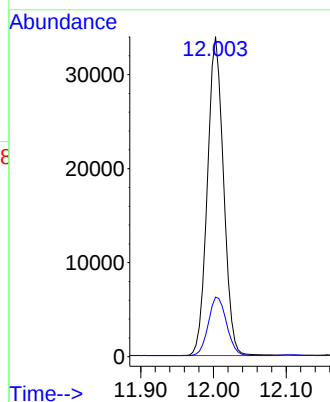
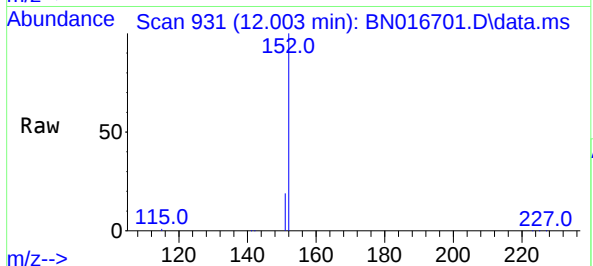
Tgt Ion:	128	Resp:	23119
Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.5	10.3	15.5





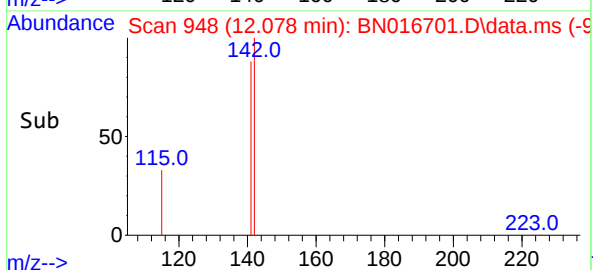
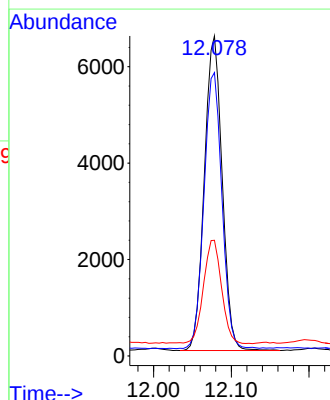
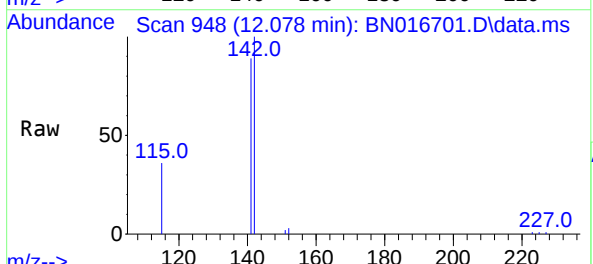
#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:152 Resp: 52381
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:142 Resp: 10371
Ion Ratio Lower Upper
142 100
141 88.6 70.6 105.8
115 36.2 26.6 39.8



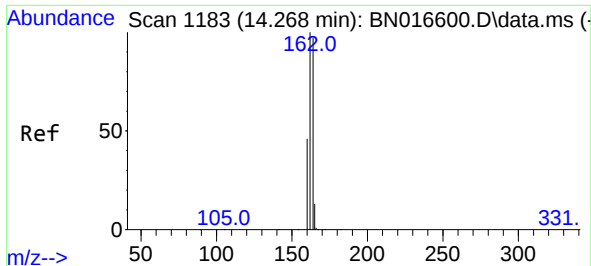
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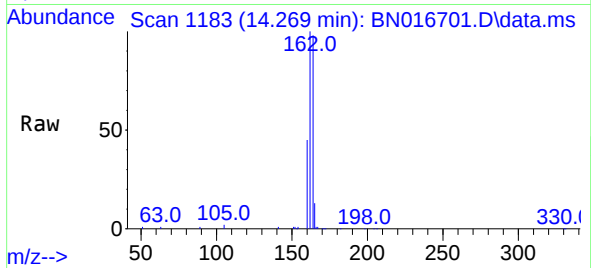
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#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

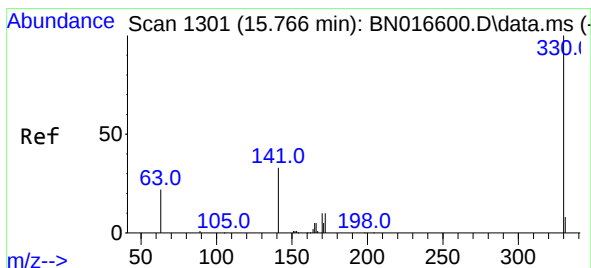
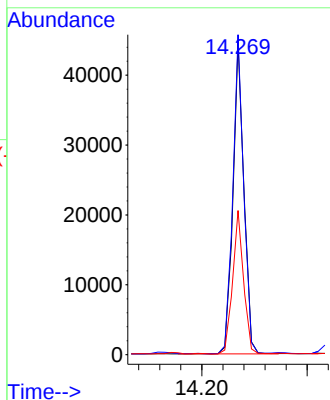
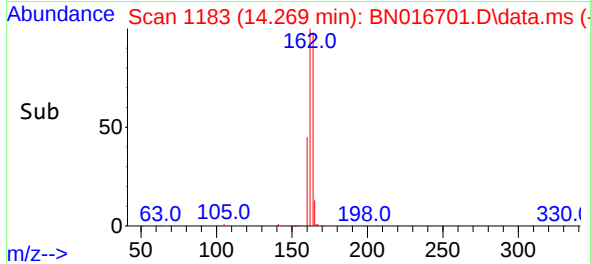
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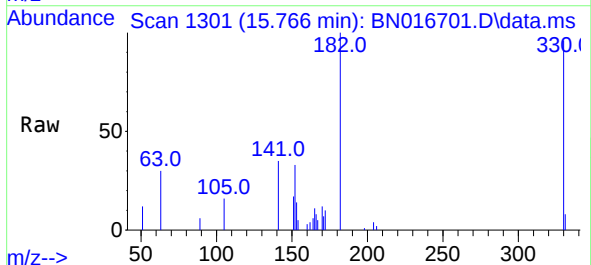
Tgt Ion:164 Resp: 63946
Ion Ratio Lower Upper
164 100
162 102.5 82.2 123.2
160 46.2 37.7 56.5

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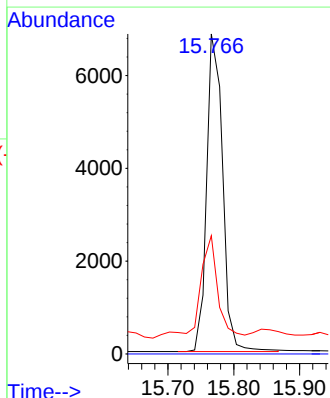
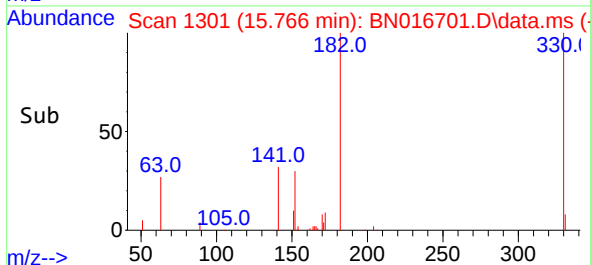
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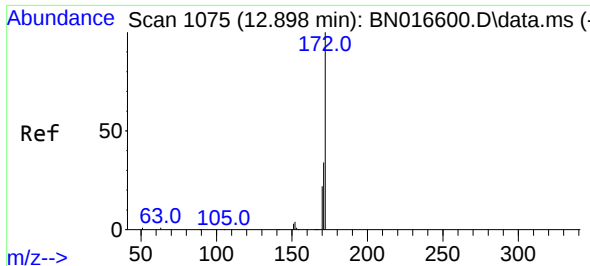


#14
2,4,6-Tribromophenol
Concen: 0.39 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



Tgt Ion:330 Resp: 11498
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 31.6 25.2 37.8





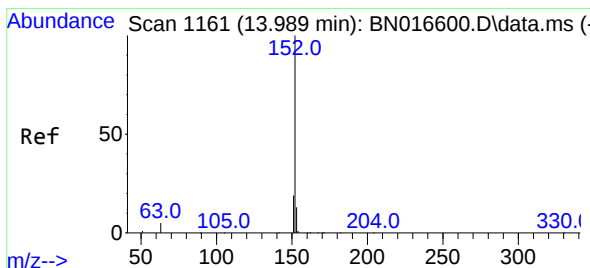
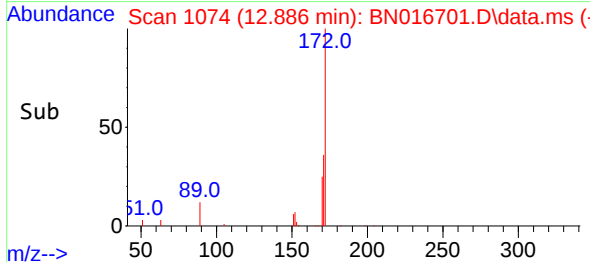
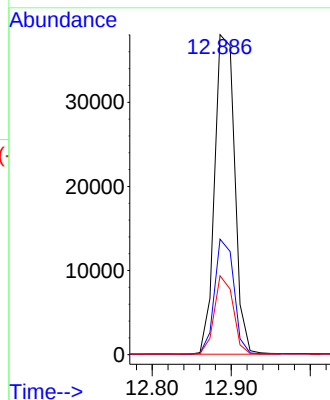
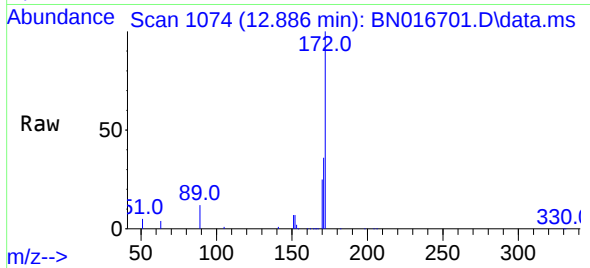
#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:	172	Resp:	67082
Ion Ratio	Lower	Upper	
172	100		
171	36.1	27.0	40.4
170	24.7	17.4	26.2

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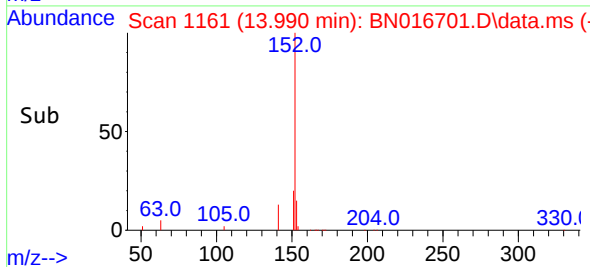
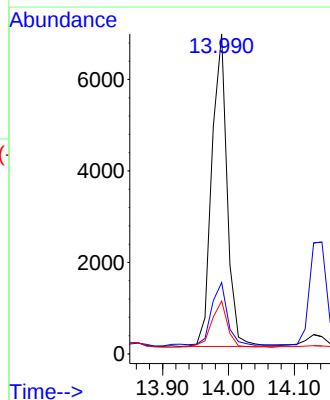
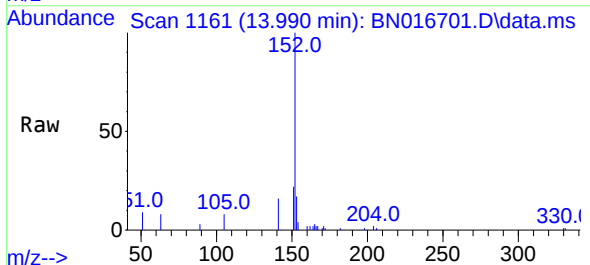
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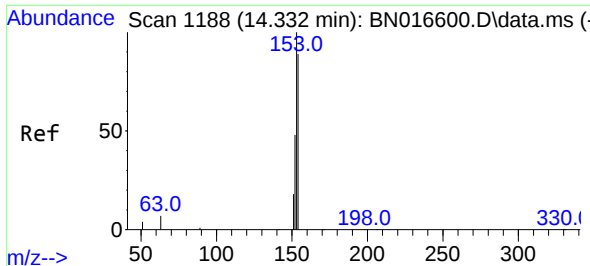
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#16
Acenaphthylene
Concen: 0.04 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

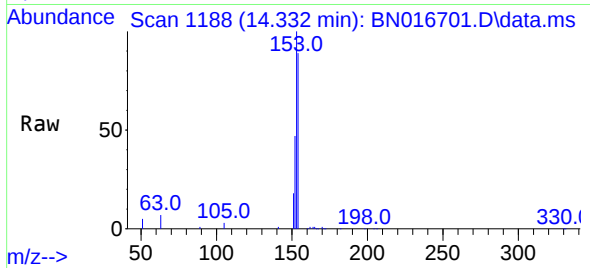
Tgt Ion:	152	Resp:	11053
Ion Ratio	Lower	Upper	
152	100		
151	22.7	15.5	23.3
153	15.8	10.4	15.6





#17
Acenaphthene
Concen: 0.22 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

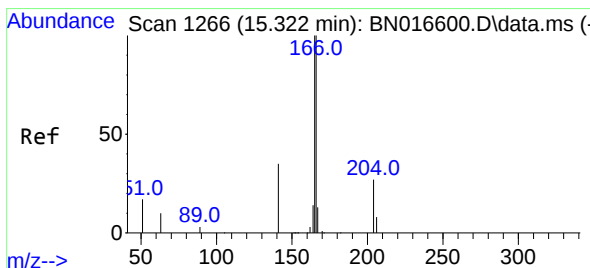
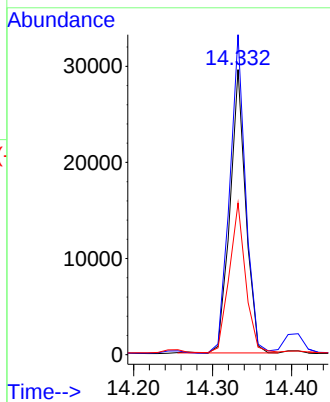
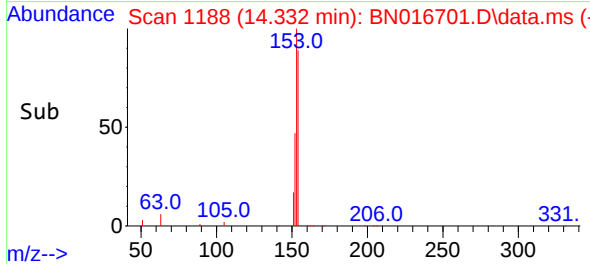
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ClientSampleId :
S-832-J-SO-2-2.5-092221-FD



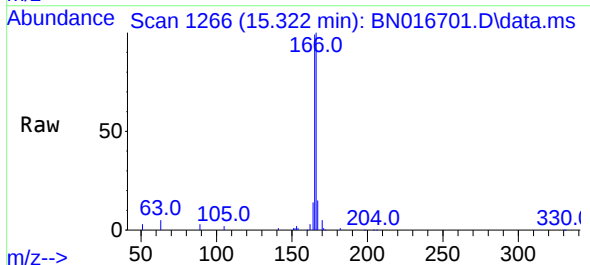
Tgt Ion:154 Resp: 40806
Ion Ratio Lower Upper
154 100
153 114.1 90.2 135.2
152 54.9 44.0 66.0

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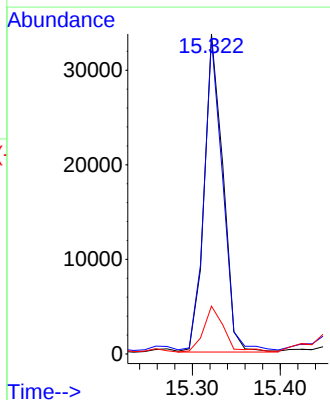
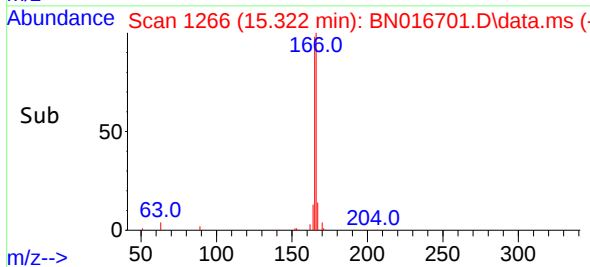
mohammad
10/4/2021 11:49:32 AM

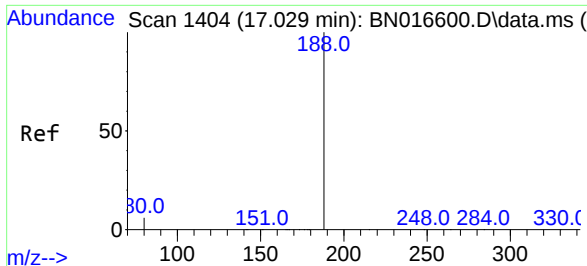


#18
Fluorene
Concen: 0.22 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



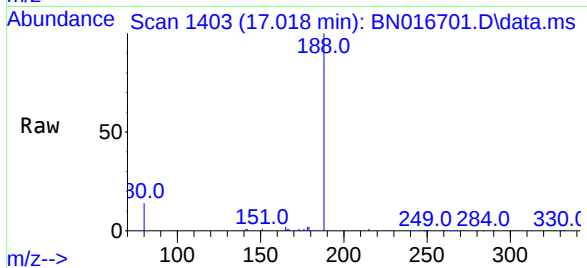
Tgt Ion:166 Resp: 49862
Ion Ratio Lower Upper
166 100
165 96.9 77.9 116.9
167 15.6 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

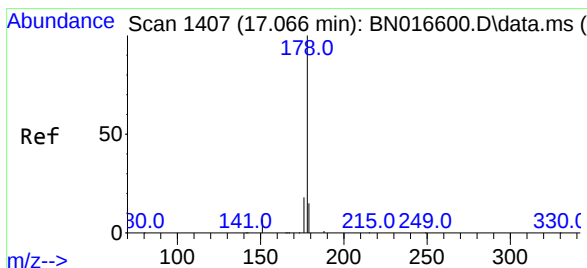
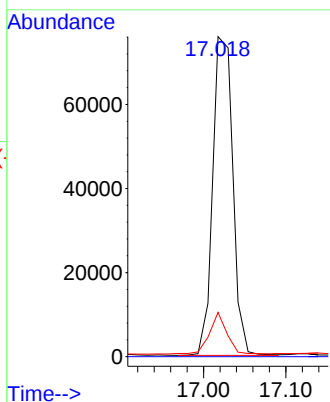
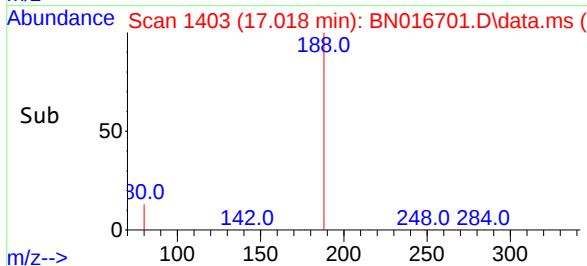
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD



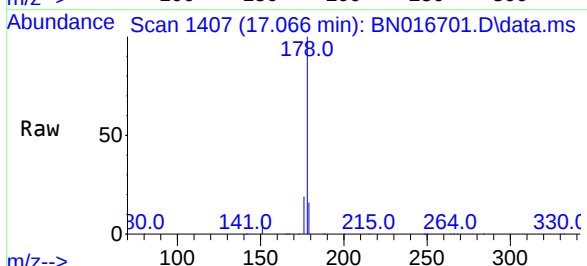
Tgt Ion:188 Resp: 128468
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 5.0 7.6#

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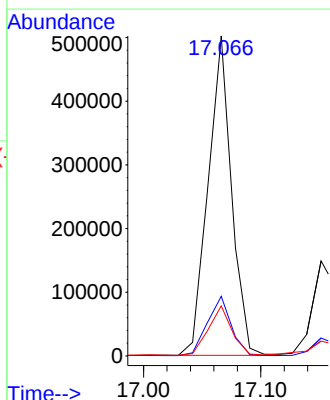
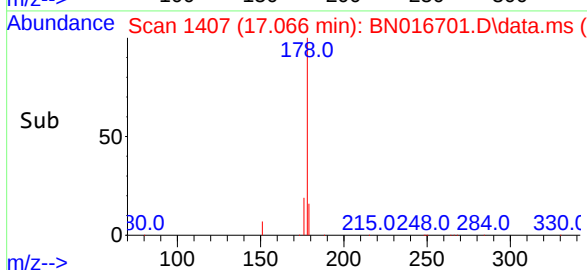
mohammad
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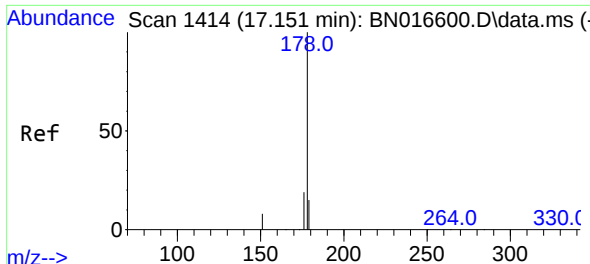


#25
Phenanthrene
Concen: 1.80 ng m
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



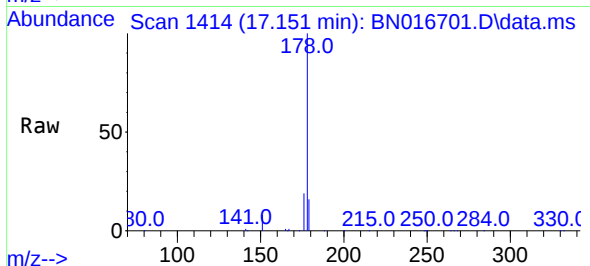
Tgt Ion:178 Resp: 695468
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 16.1 12.2 18.4





#26
 Anthracene
 Concen: 0.66 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016701.D
 Acq: 03 Oct 2021 10:36

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221-FD

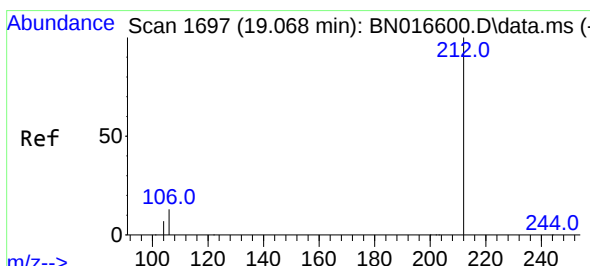
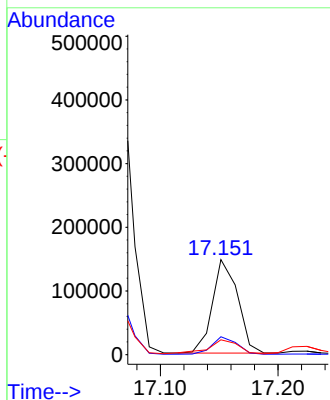
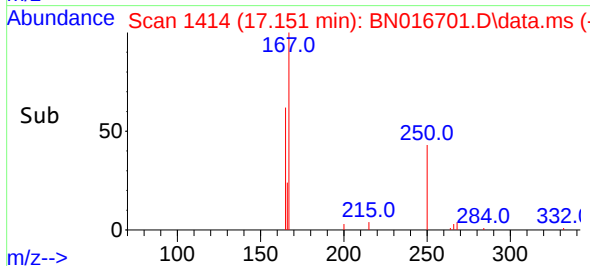


Tgt Ion:178 Resp: 218965

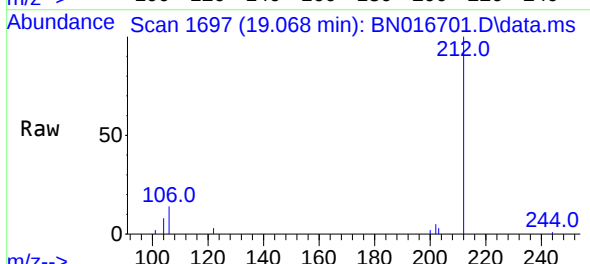
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	17.6	12.2	18.4

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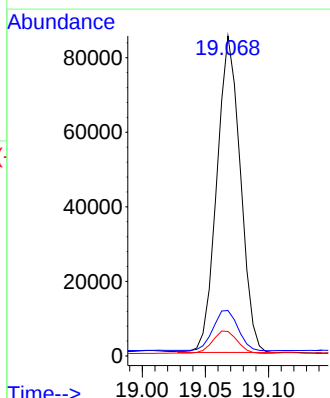
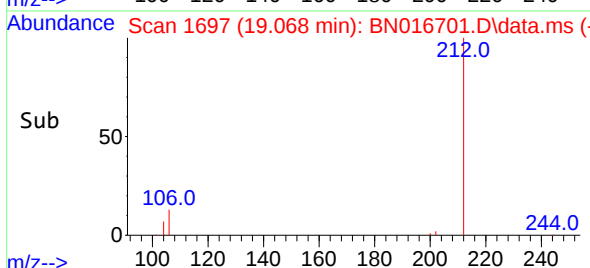


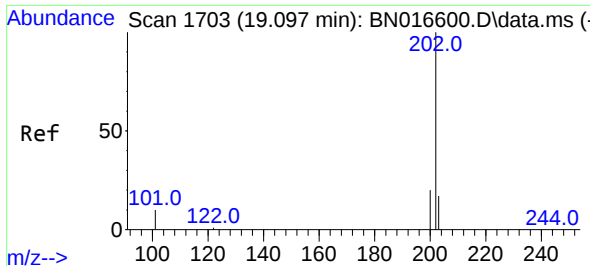
#27
 Fluoranthene-d10
 Concen: 0.32 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016701.D
 Acq: 03 Oct 2021 10:36



Tgt Ion:212 Resp: 109973

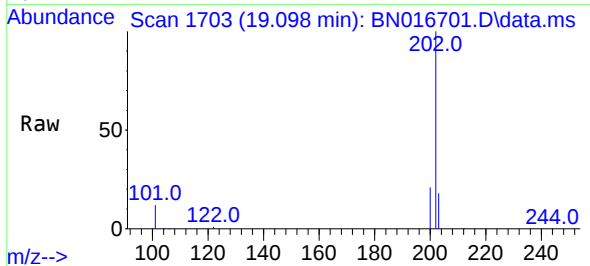
Ion	Ratio	Lower	Upper
212	100		
106	13.5	10.6	16.0
104	7.7	5.9	8.9





#28
Fluoranthene
Concen: 5.90 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

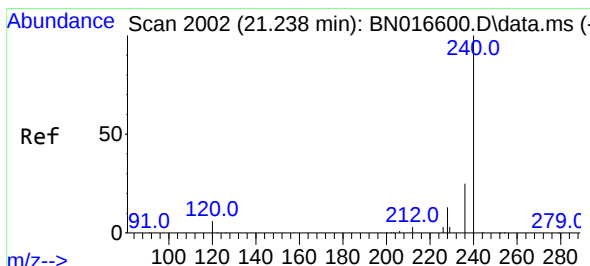
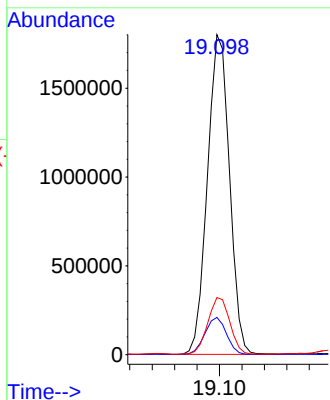
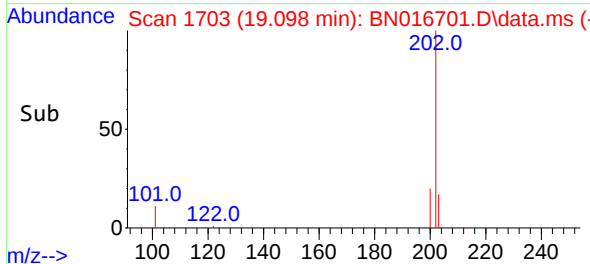
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD



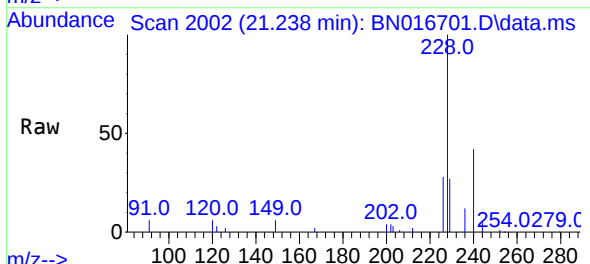
Tgt Ion:202 Resp: 2461607
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.4
203 17.7 13.8 20.6

Manual Integrations
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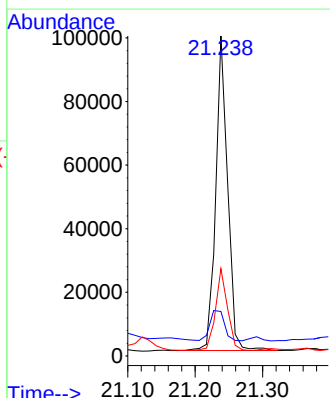
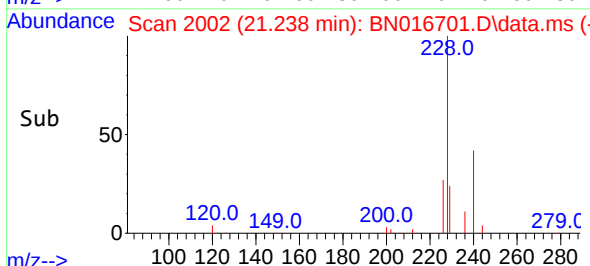
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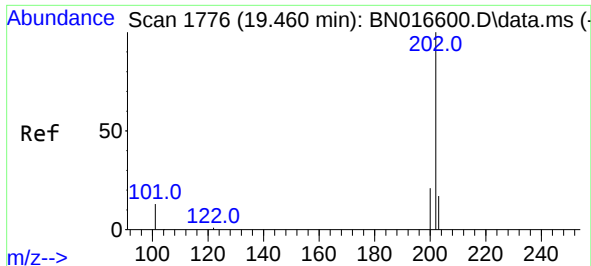


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

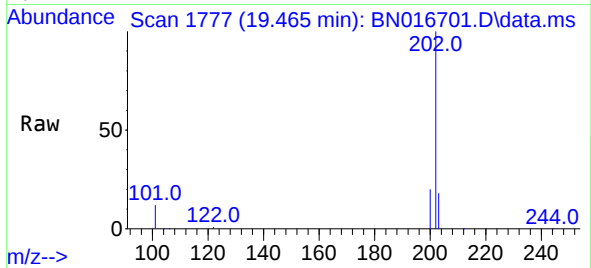


Tgt Ion:240 Resp: 121998
Ion Ratio Lower Upper
240 100
120 13.9 5.0 7.4#
236 27.3 20.4 30.6

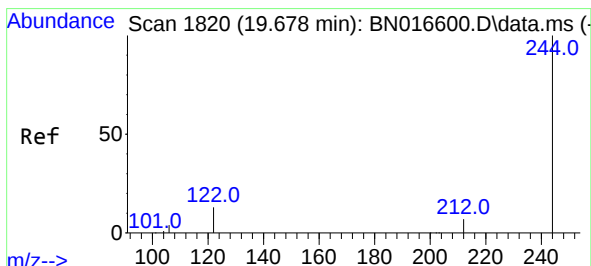
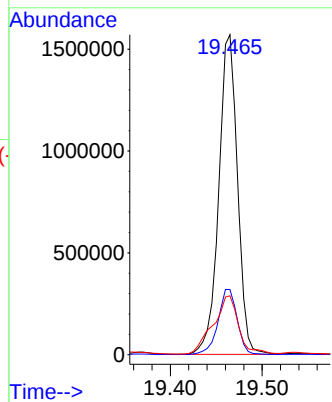
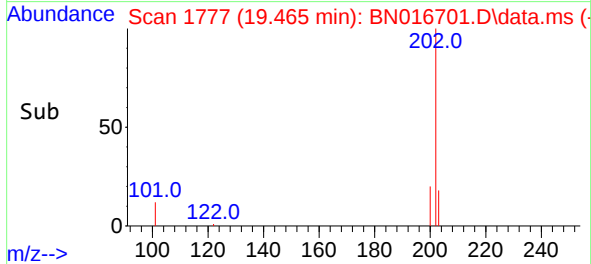




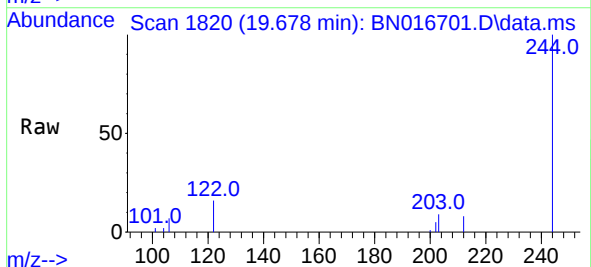
#30
Pyrene
Concen: 5.66 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



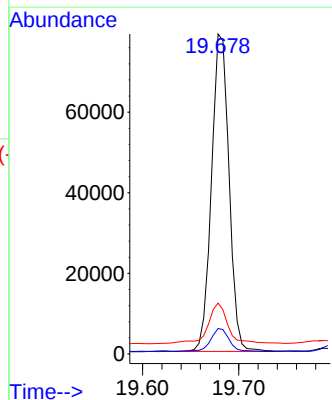
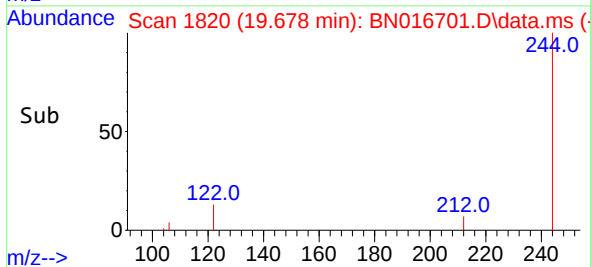
Tgt Ion:202 Resp: 2232935
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 24.5 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.38 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



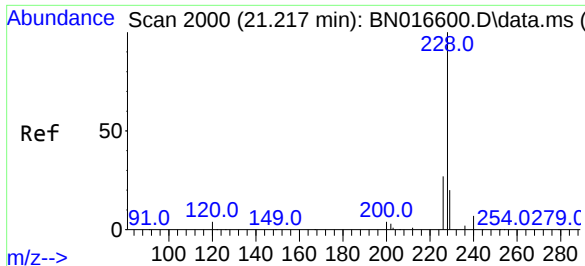
Tgt Ion:244 Resp: 99642
Ion Ratio Lower Upper
244 100
212 7.9 6.0 9.0
122 15.9 10.1 15.1#



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

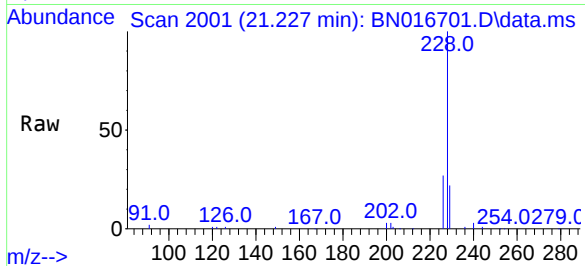
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#32
Benzo(a)anthracene
Concen: 4.19 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

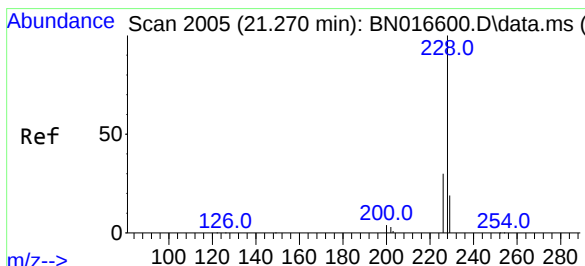
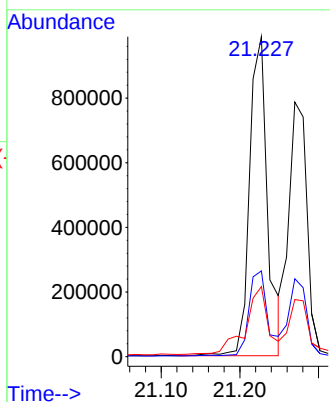
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD



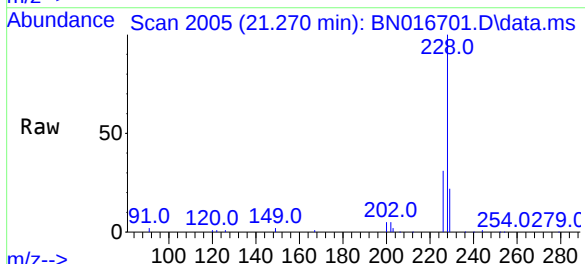
Tgt Ion:228 Resp: 1569733
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 21.9 15.7 23.5

Manual Integrations
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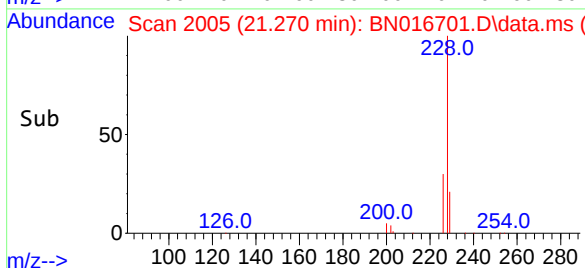
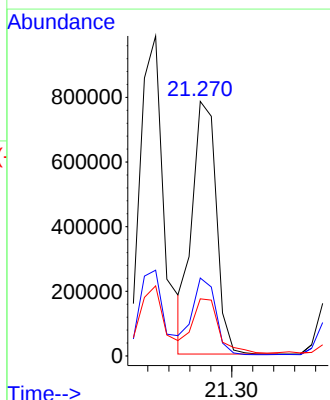
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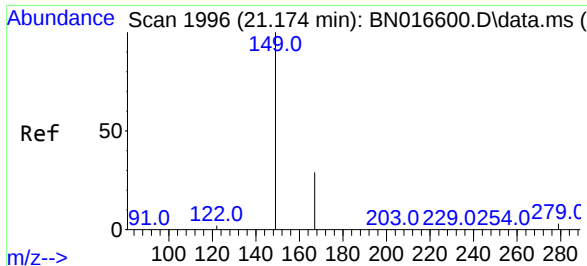


#33
Chrysene
Concen: 3.30 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



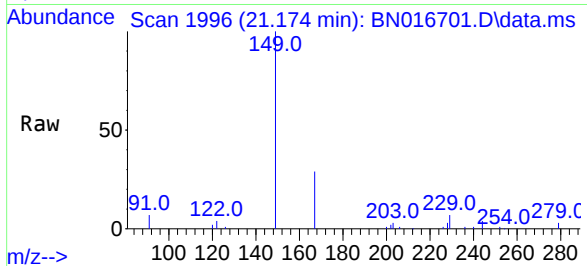
Tgt Ion:228 Resp: 1250449
Ion Ratio Lower Upper
228 100
226 30.6 23.7 35.5
229 22.4 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.70 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

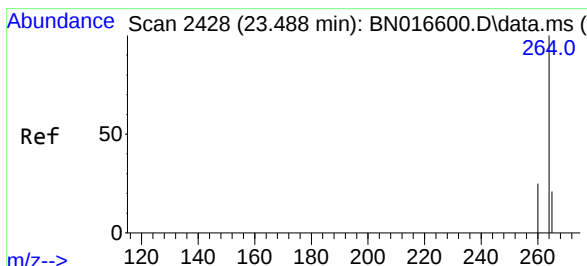
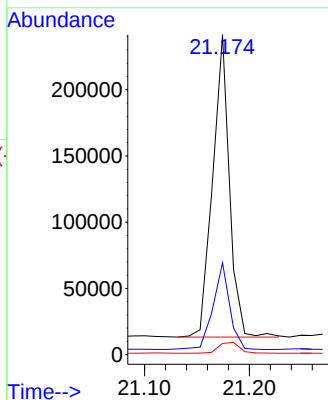
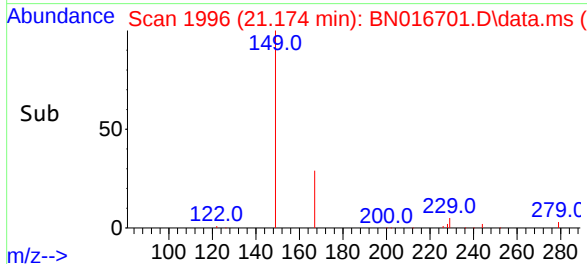
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD



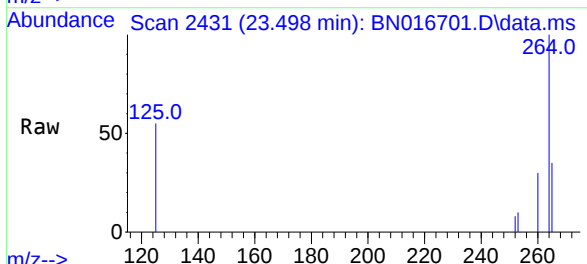
Tgt Ion:149 Resp: 253953
Ion Ratio Lower Upper
149 100
167 28.3 22.2 33.4
279 4.5 3.2 4.8

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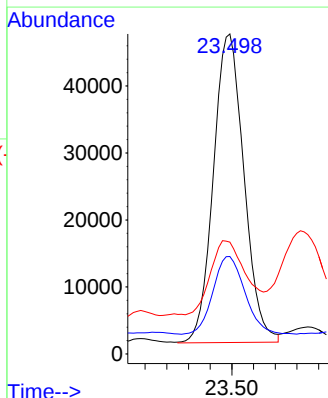
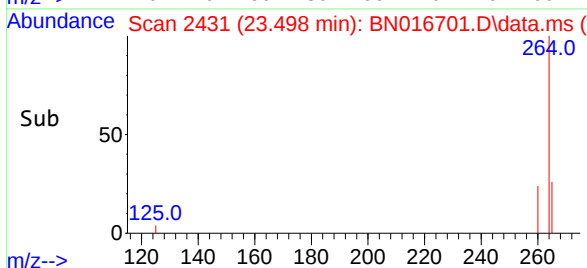
mohammad
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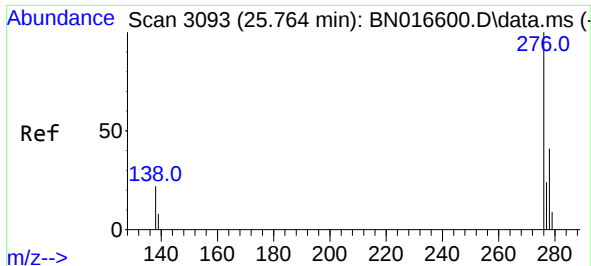


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.498 min Scan# 2431
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

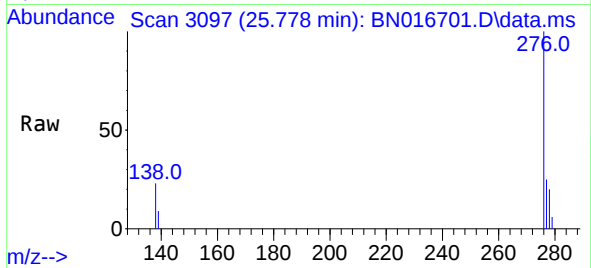


Tgt Ion:264 Resp: 90107
Ion Ratio Lower Upper
264 100
260 30.4 19.9 29.9#
265 35.0 19.2 28.8#

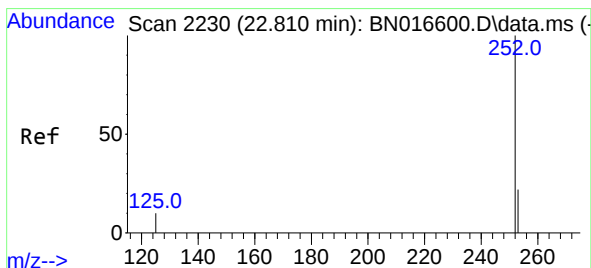
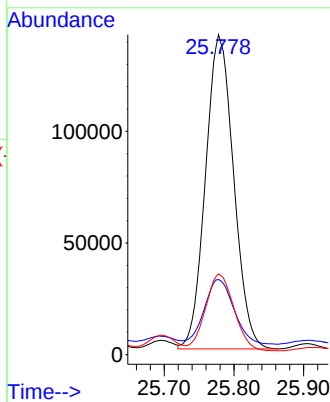
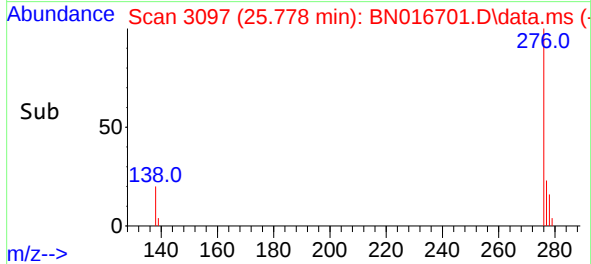




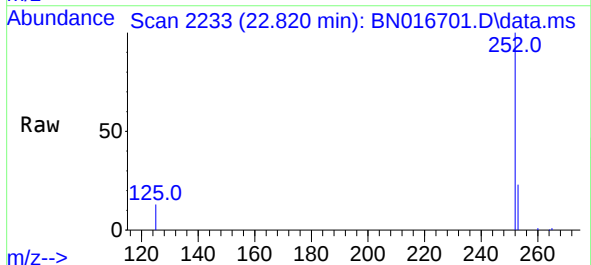
#36
Indeno(1,2,3-cd)pyrene
Concen: 1.23 ng
RT: 25.778 min Scan# 3097
Delta R.T. 0.014 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



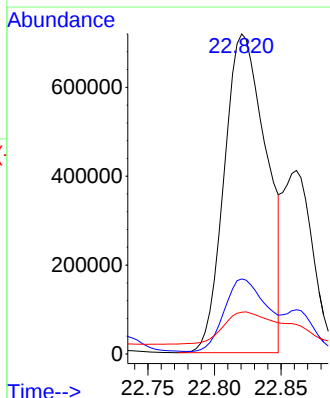
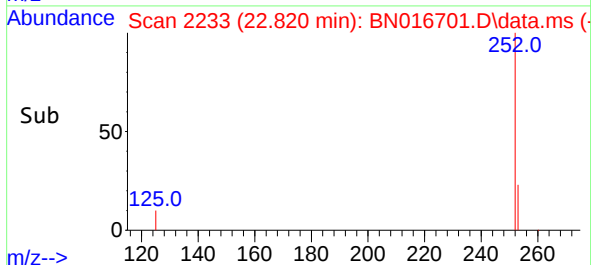
Tgt Ion: 276 Resp: 394616
Ion Ratio Lower Upper
276 100
138 21.6 19.5 29.3
277 24.8 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 5.44 ng
RT: 22.820 min Scan# 2233
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



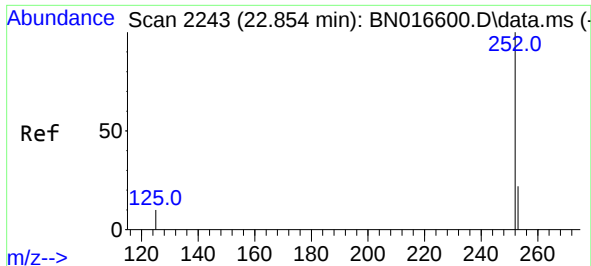
Tgt Ion: 252 Resp: 1573782
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 13.0 8.0 12.0#



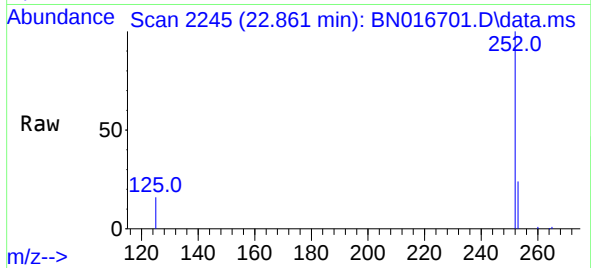
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

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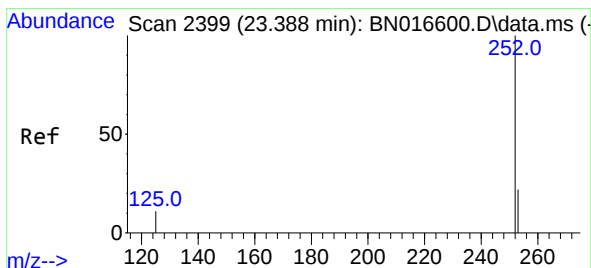
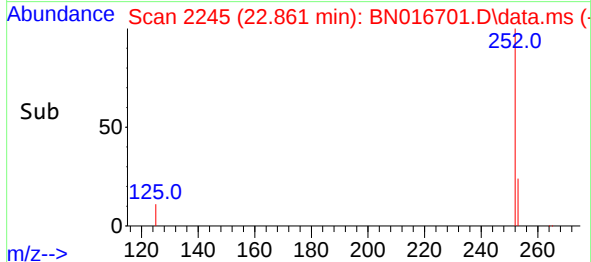
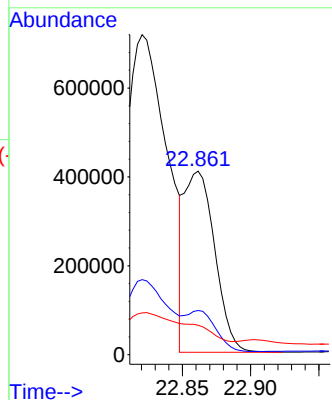
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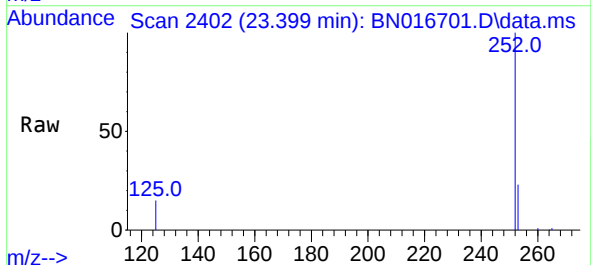
#38
Benzo(k)fluoranthene
Concen: 2.20 ng m
RT: 22.861 min Scan# 2245
Delta R.T. 0.007 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



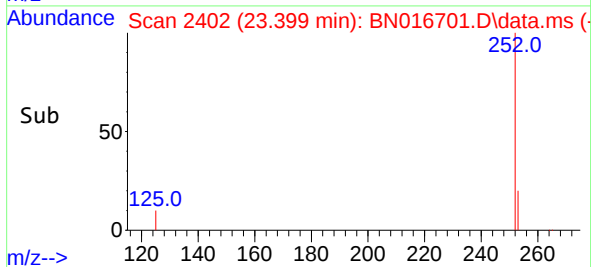
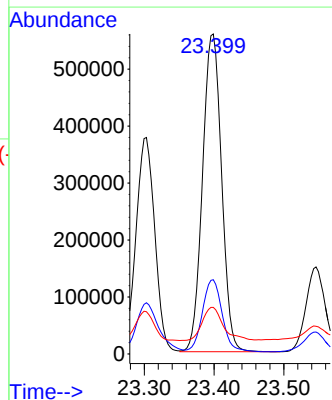
Tgt Ion:252 Resp: 630241
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 16.1 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 4.11 ng
RT: 23.399 min Scan# 2402
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36



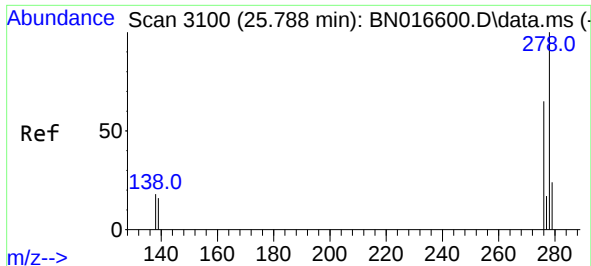
Tgt Ion:252 Resp: 1058768
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 14.6 9.0 13.4#



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

Manual Integrations
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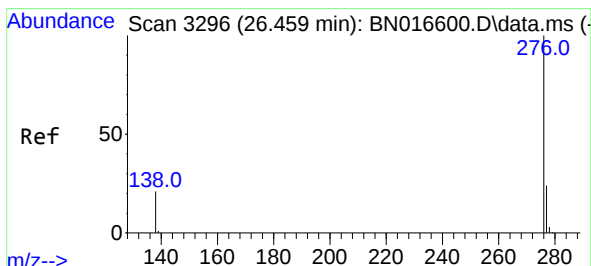
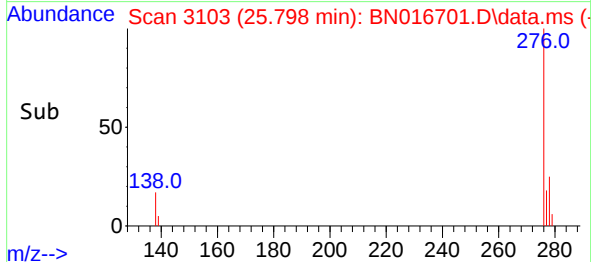
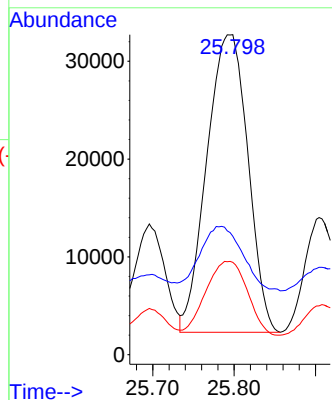
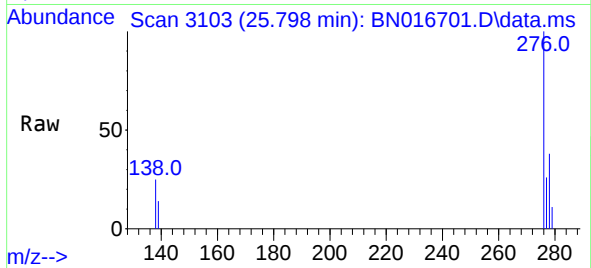
#40
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 25.798 min Scan# 3103
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:278 Resp: 106863
Ion Ratio Lower Upper
278 100
139 37.0 13.1 19.7#
279 28.9 19.1 28.7#

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 1.15 ng
RT: 26.479 min Scan# 3302
Delta R.T. 0.021 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:276 Resp: 328103
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 23.9 16.9 25.3

