

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016699.D
 Acq On : 03 Oct 2021 09:24
 Operator : CG/JU
 Sample : M3892-20
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-3-3.5-092221

Manual Integrations
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 10/4/2021 11:49:26 AM

Quant Time: Oct 04 03:37:55 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	29844	0.40	ng	0.00
7) Naphthalene-d8	10.406	136	137525	0.40	ng	0.00
13) Acenaphthene-d10	14.268	164	81580	0.40	ng	0.00
19) Phenanthrene-d10	17.029	188	153012	0.40	ng	# 0.00
29) Chrysene-d12	21.259	240	116284	0.40	ng	# 0.02
35) Perylene-d12	23.518	264	115220	0.40	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	18991	0.25	ng	0.02
5) Phenol-d6	6.831	99	20166	0.24	ng	0.00
8) Nitrobenzene-d5	8.784	82	22676	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.002	152	50632	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.765	330	11462	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.885	172	63027	0.19	ng	-0.01
27) Fluoranthene-d10	19.077	212	102811	0.25	ng	0.00
31) Terphenyl-d14	19.683	244	104420	0.41	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	332783	0.89	ng	100
12) 2-Methylnaphthalene	12.078	142	209903	0.88	ng	99
16) Acenaphthylene	13.989	152	83899	0.24	ng	# 91
17) Acenaphthene	14.332	154	1678466	6.99	ng	97
18) Fluorene	15.321	166	2482921m	8.74	ng	
24) Pentachlorophenol	16.689	266	1484	0.04	ng	96
25) Phenanthrene	17.090	178	18186766	39.50	ng	95
26) Anthracene	17.163	178	7838198	19.72	ng	97
28) Fluoranthene	19.112	202	22830735m	45.93	ng	
30) Pyrene	19.480	202	21013286	55.85	ng	# 94
32) Benzo(a)anthracene	21.238	228	13497725	37.82	ng	94
33) Chrysene	21.291	228	12094132	33.47	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.174	149	421393	2.96	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.812	276	3827462	9.31	ng	96
37) Benzo(b)fluoranthene	22.847	252	13784160	37.23	ng	96
38) Benzo(k)fluoranthene	22.885	252	4887946m	13.36	ng	
39) Benzo(a)pyrene	23.429	252	9206277	27.91	ng	97
40) Dibenzo(a,h)anthracene	25.819	278	1002935	3.02	ng	# 92
41) Benzo(g,h,i)perylene	26.513	276	3298497	9.07	ng	99

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

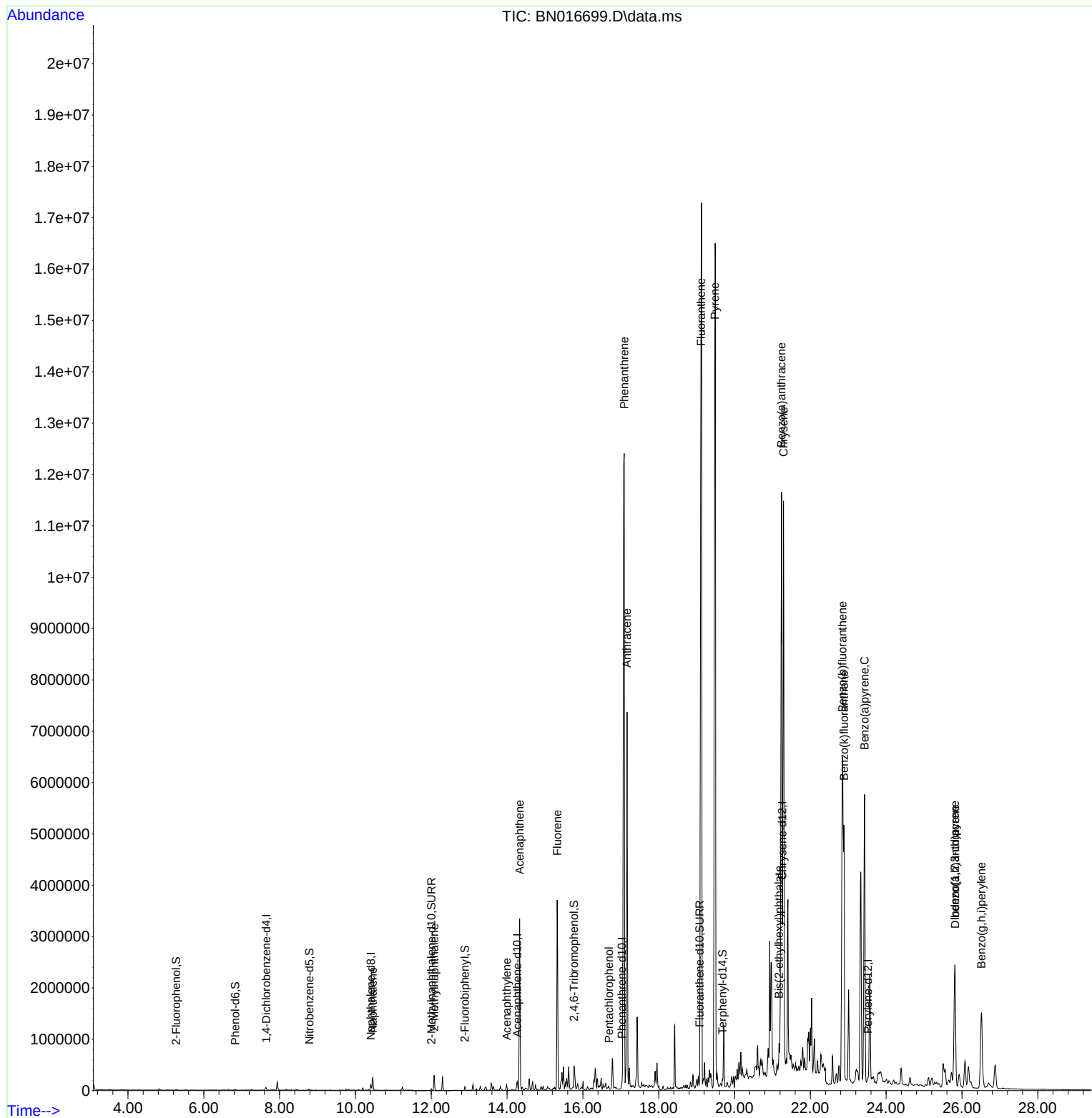
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016699.D
Acq On : 03 Oct 2021 09:24
Operator : CG/JU
Sample : M3892-20
Misc :
ALS Vial : 67 Sample Multiplier: 1

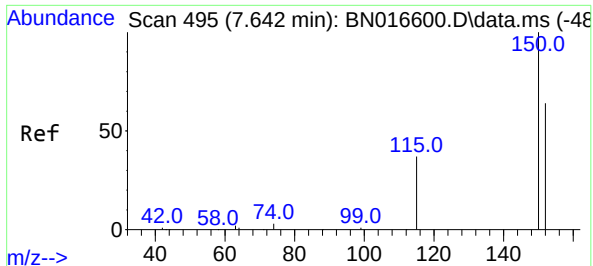
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

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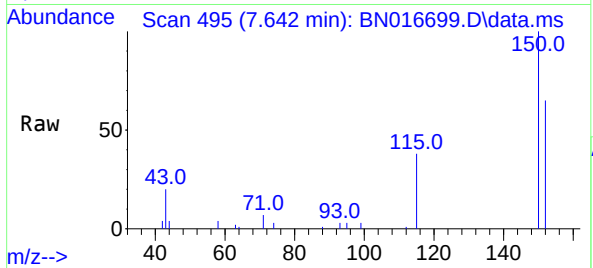
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Quant Time: Oct 04 03:37:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

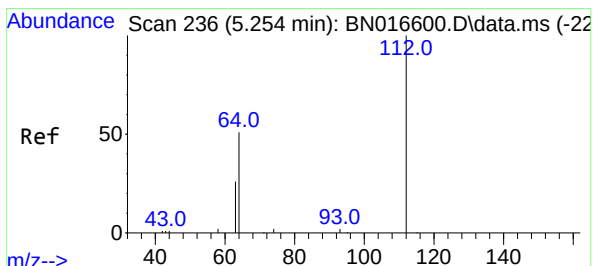
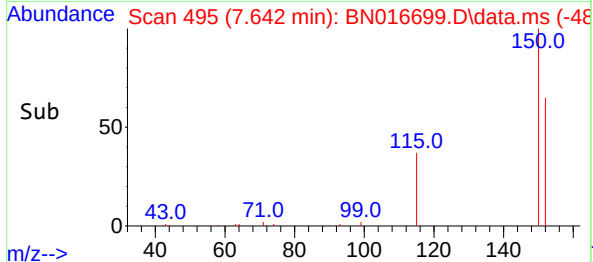
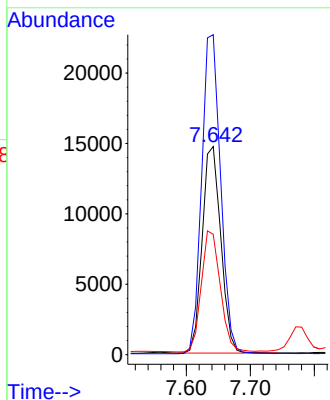




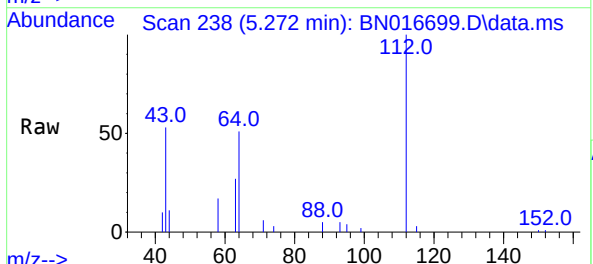
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



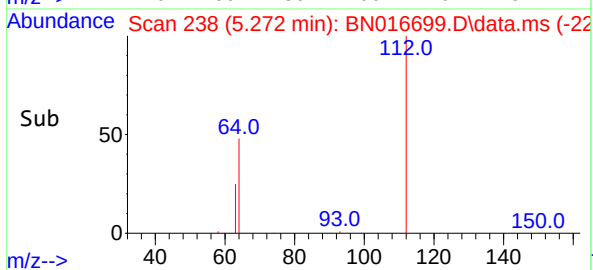
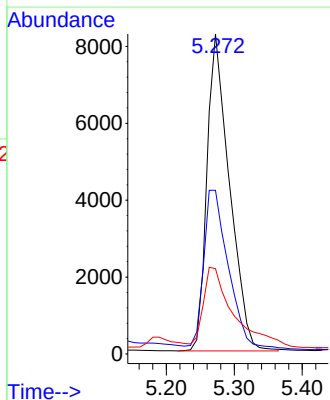
Tgt Ion:152 Resp: 29844
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 57.8 46.5 69.7



#4
2-Fluorophenol
Concen: 0.25 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.018 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



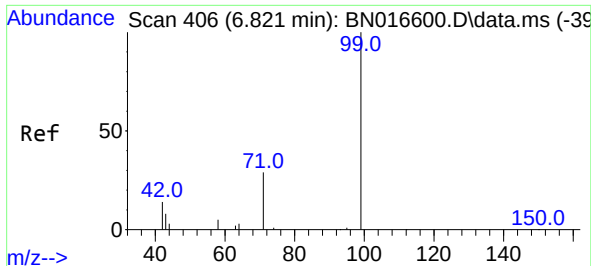
Tgt Ion:112 Resp: 18991
Ion Ratio Lower Upper
112 100
64 53.5 43.1 64.7
63 29.8 21.6 32.4



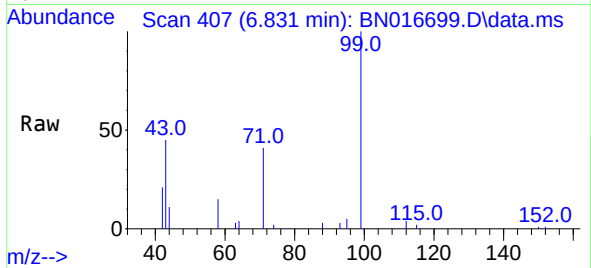
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

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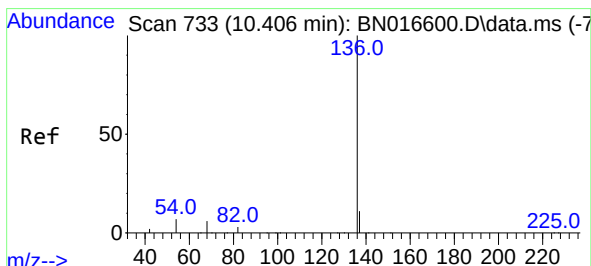
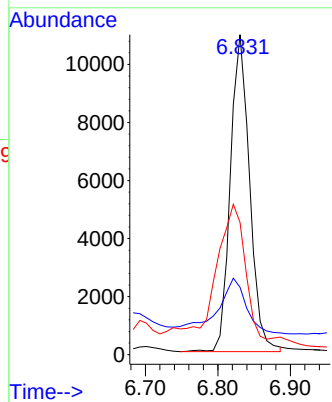
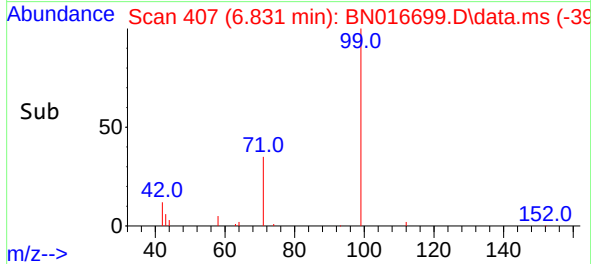
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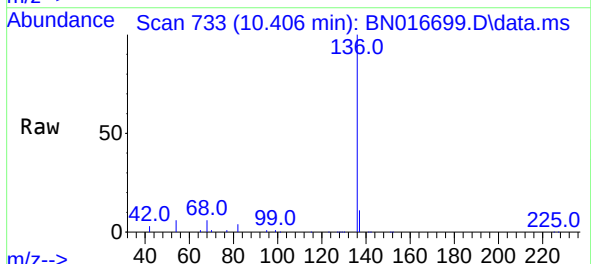
#5
Phenol-d6
Concen: 0.24 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



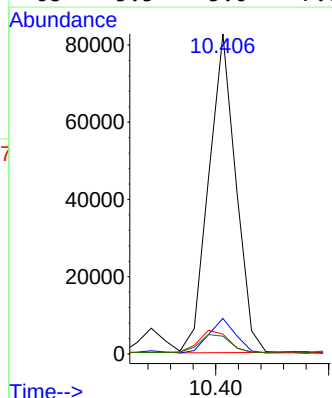
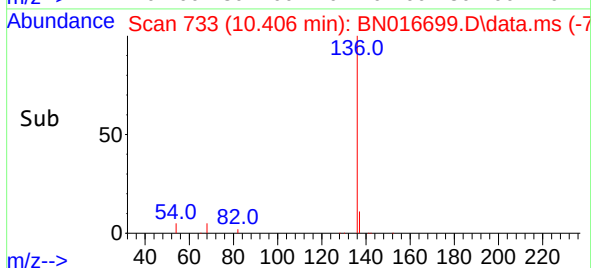
Tgt Ion: 99 Resp: 20166
Ion Ratio Lower Upper
99 100
42 26.1 13.0 19.6#
71 57.0 23.5 35.3#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.406 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



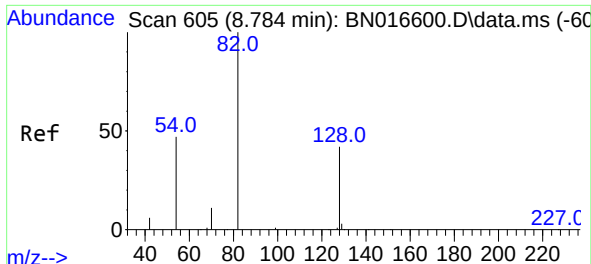
Tgt Ion: 136 Resp: 137525
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.2 5.9 8.9
68 5.5 5.0 7.6



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

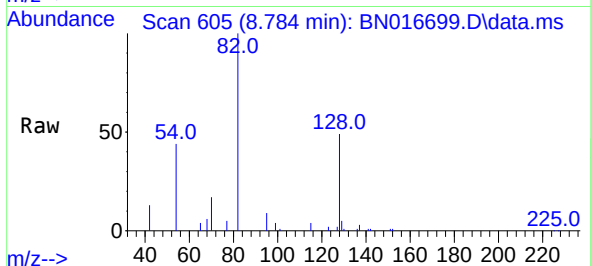
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#8
Nitrobenzene-d5
Concen: 0.25 ng
RT: 8.784 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

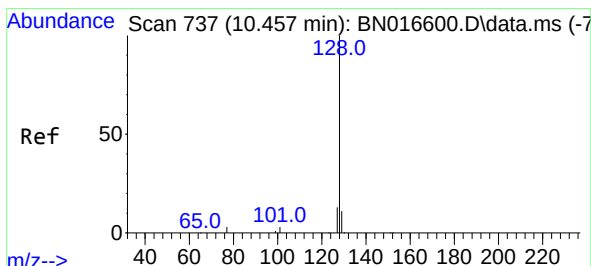
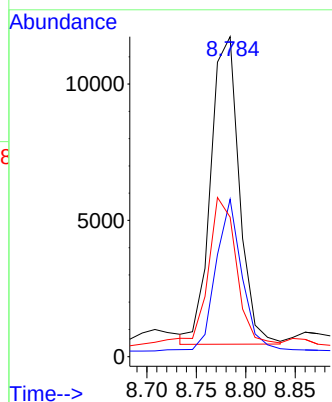
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BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221



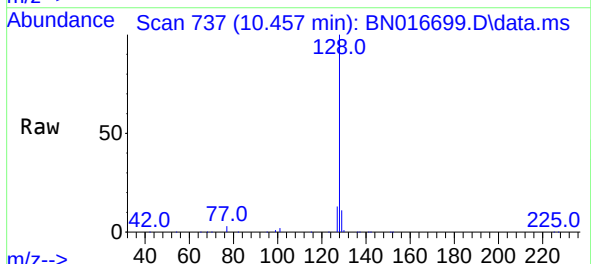
Tgt Ion: 82 Resp: 22676
Ion Ratio Lower Upper
82 100
128 49.2 33.6 50.4
54 43.6 37.6 56.4

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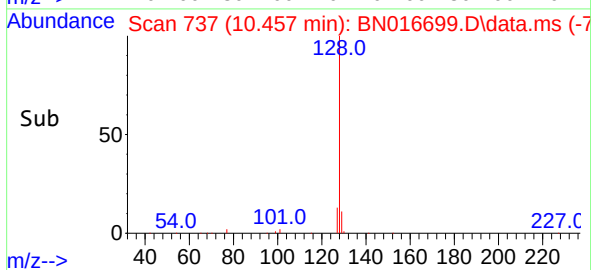
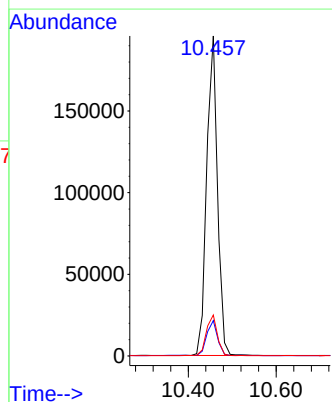
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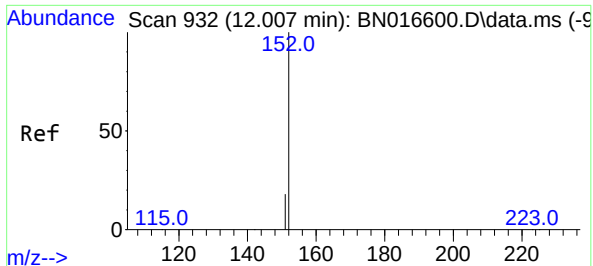


#9
Naphthalene
Concen: 0.89 ng
RT: 10.457 min Scan# 737
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



Tgt Ion: 128 Resp: 332783
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.3 15.5





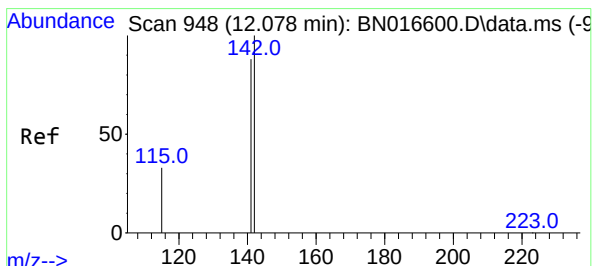
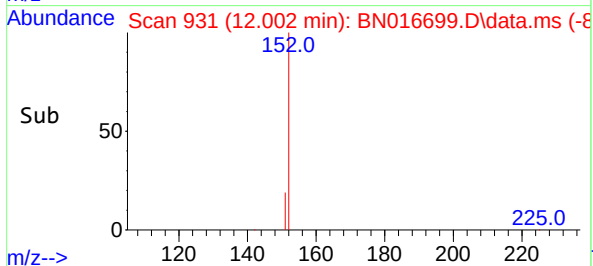
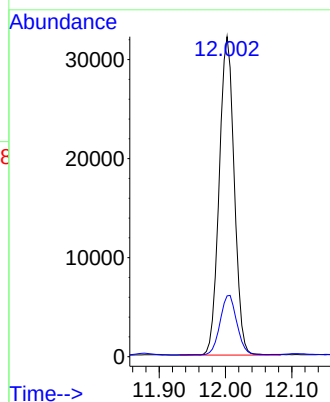
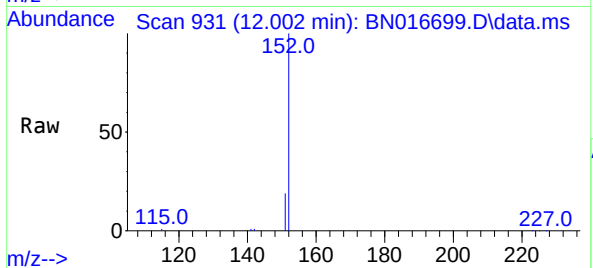
#11
2-Methylnaphthalene-d10
Concen: 0.25 ng
RT: 12.002 min Scan# 931
Delta R.T. -0.005 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:152 Resp: 50632
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4

Instrument :
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S-832-J-SO-3-3.5-092221

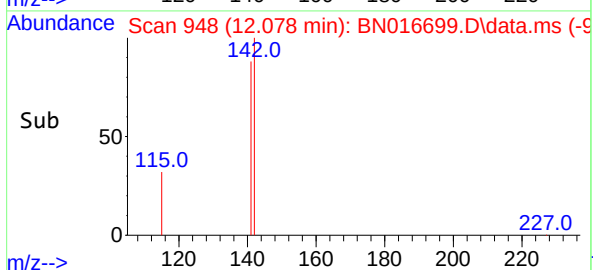
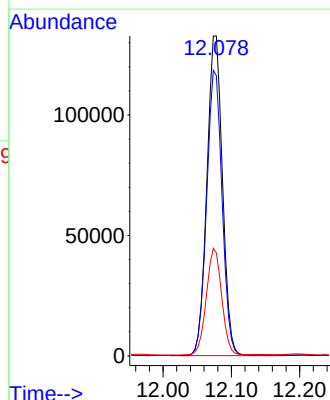
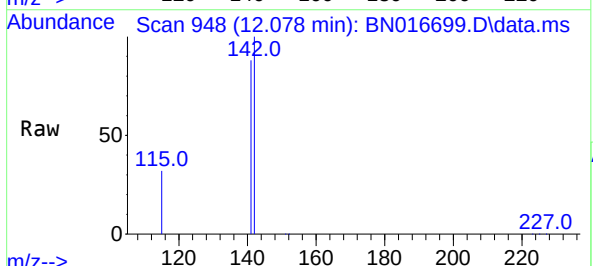
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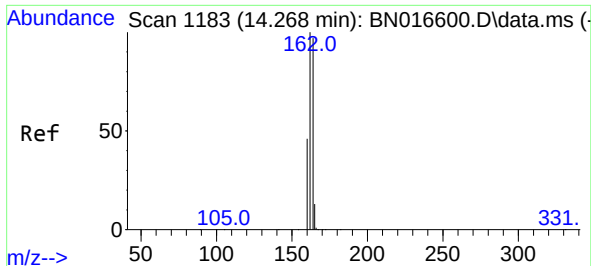
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#12
2-Methylnaphthalene
Concen: 0.88 ng
RT: 12.078 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

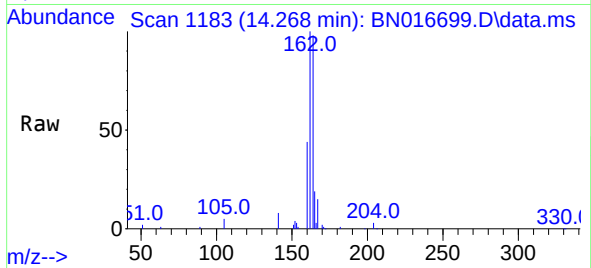
Tgt Ion:142 Resp: 209903
Ion Ratio Lower Upper
142 100
141 87.6 70.6 105.8
115 32.2 26.6 39.8





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.268 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

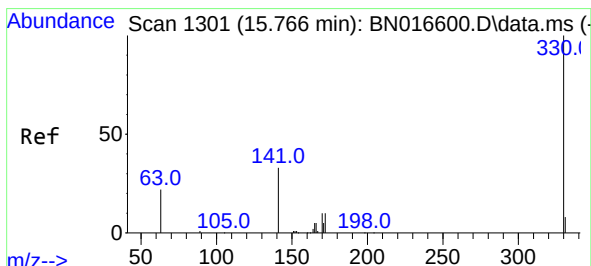
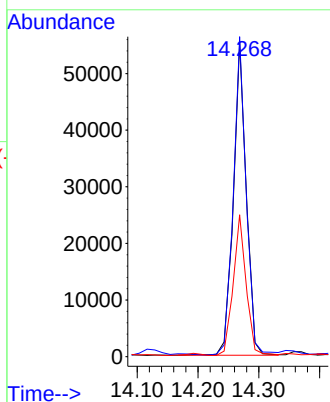
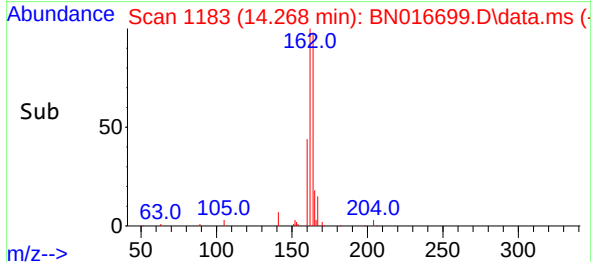
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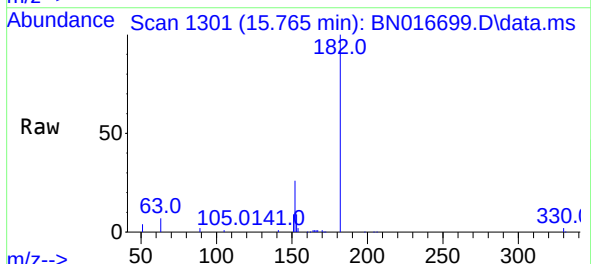
Tgt Ion:164 Resp: 81580
Ion Ratio Lower Upper
164 100
162 101.8 82.2 123.2
160 45.2 37.7 56.5

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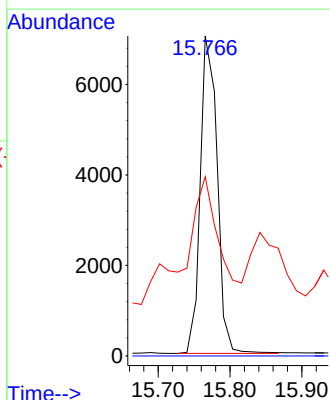
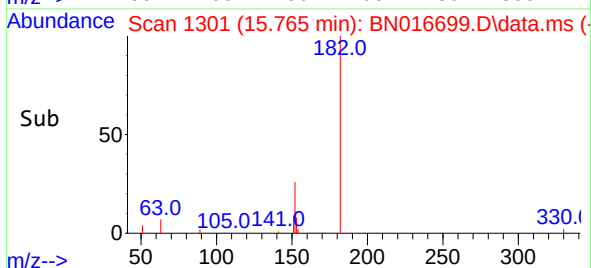
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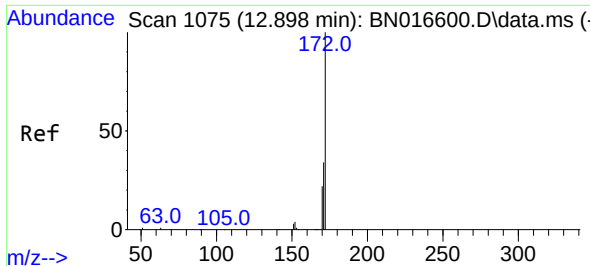


#14
2,4,6-Tribromophenol
Concen: 0.31 ng
RT: 15.765 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



Tgt Ion:330 Resp: 11462
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 47.5 25.2 37.8#





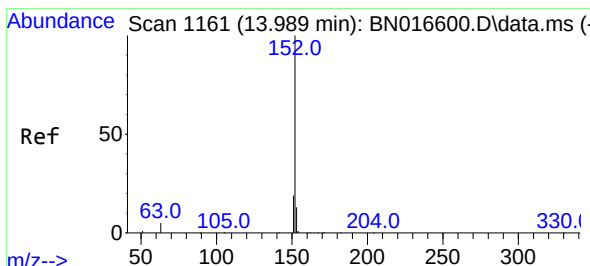
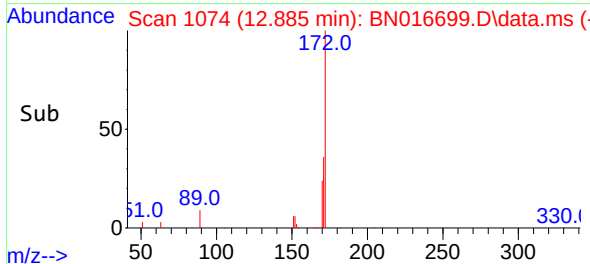
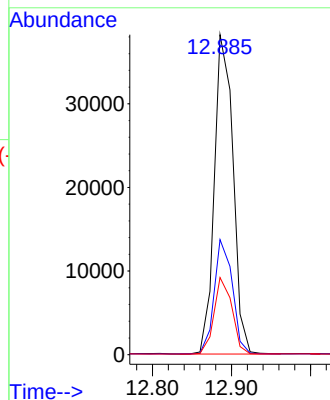
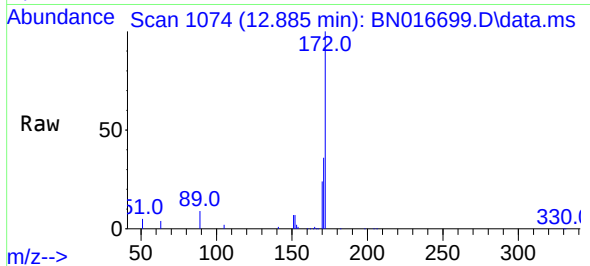
#15
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:	172	Resp:	63027
Ion Ratio	Lower	Upper	
172	100		
171	36.0	27.0	40.4
170	24.1	17.4	26.2

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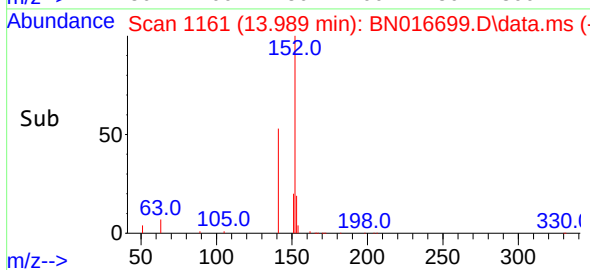
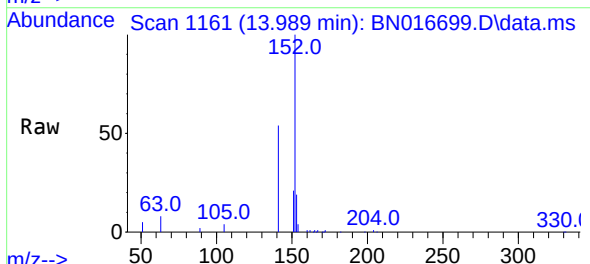
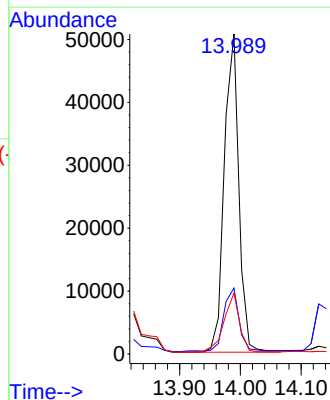
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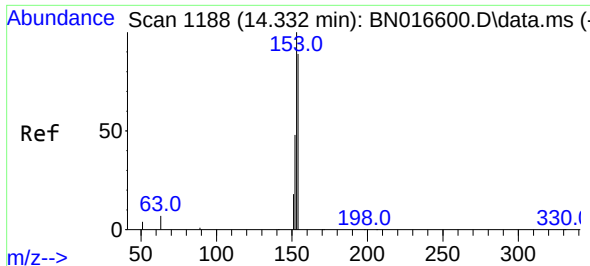
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#16
Acenaphthylene
Concen: 0.24 ng
RT: 13.989 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

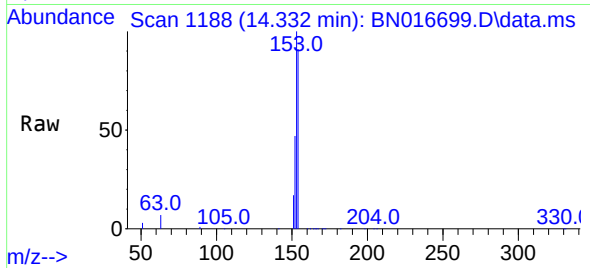
Tgt Ion:	152	Resp:	83899
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.5	23.3
153	19.9	10.4	15.6#





#17
Acenaphthene
Concen: 6.99 ng
RT: 14.332 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

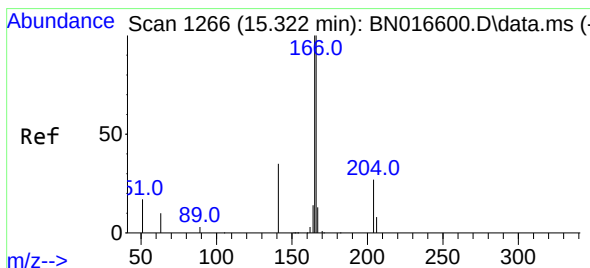
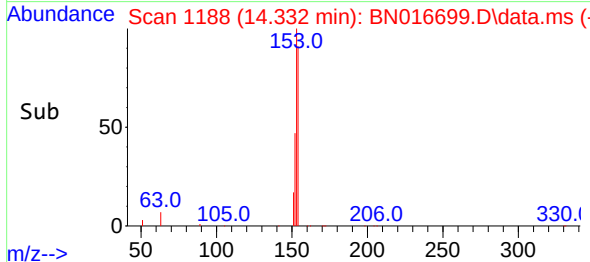
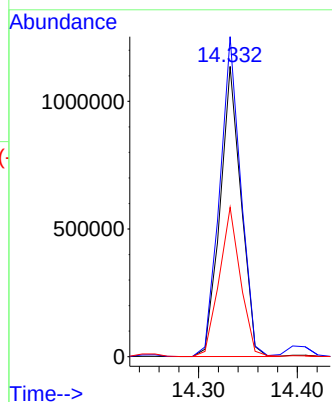
Instrument :
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Tgt Ion:154 Resp: 1678466
Ion Ratio Lower Upper
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153 110.7 90.2 135.2
152 52.0 44.0 66.0

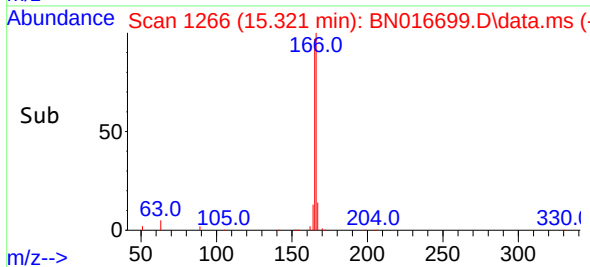
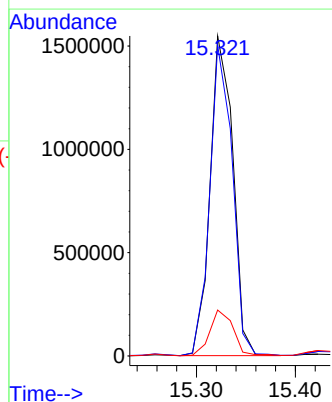
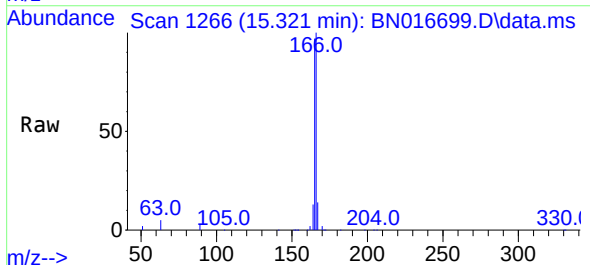
Manual Integrations
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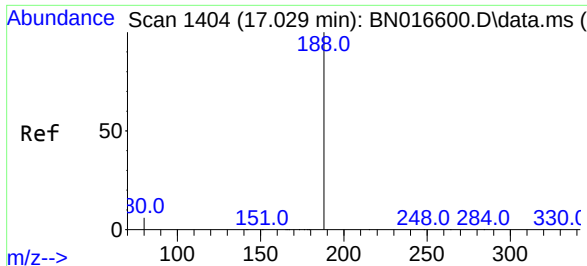
mohammad
10/4/2021 11:49:26 AM



#18
Fluorene
Concen: 8.74 ng m
RT: 15.321 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

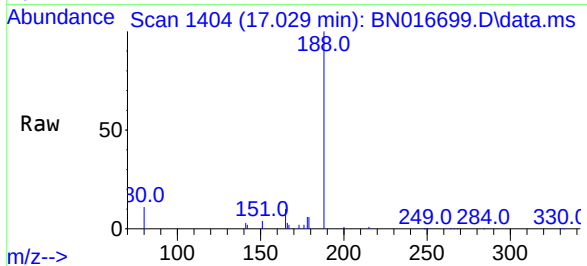
Tgt Ion:166 Resp: 2482921
Ion Ratio Lower Upper
166 100
165 95.6 77.9 116.9
167 14.8 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.029 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

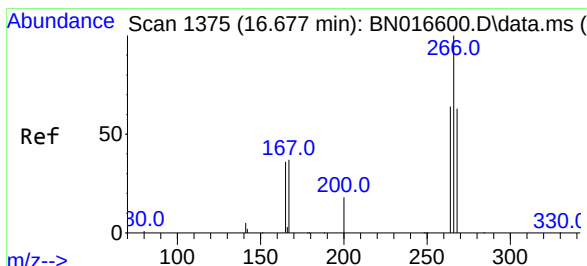
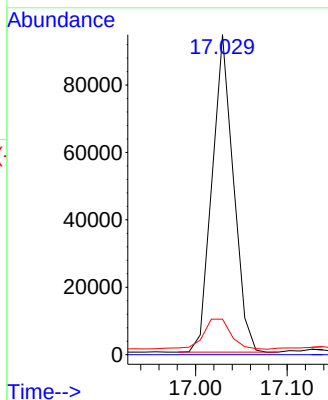
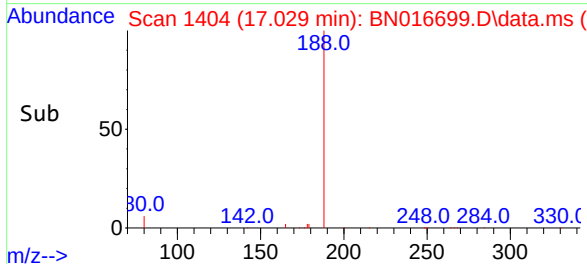
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221



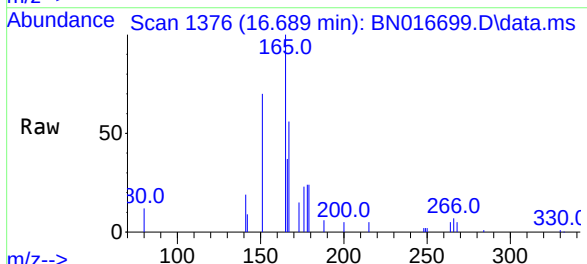
Tgt Ion:188 Resp: 153012
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 5.0 7.6#

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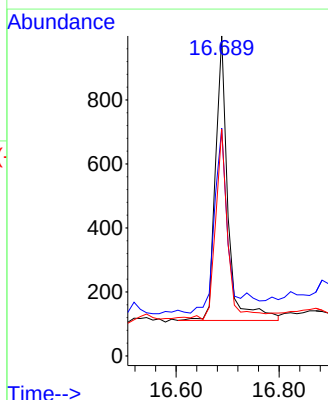
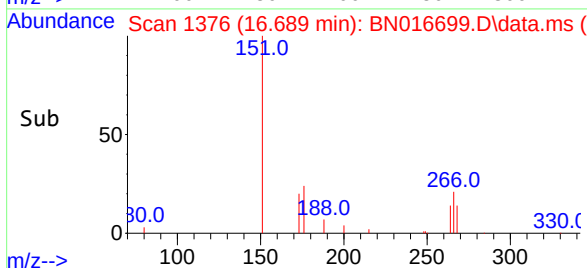
mohammad
10/4/2021 11:49:26 AM

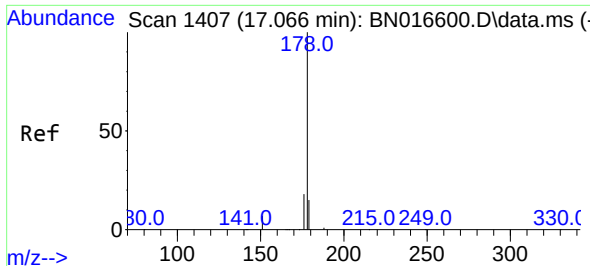


#24
Pentachlorophenol
Concen: 0.04 ng
RT: 16.689 min Scan# 1376
Delta R.T. 0.012 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



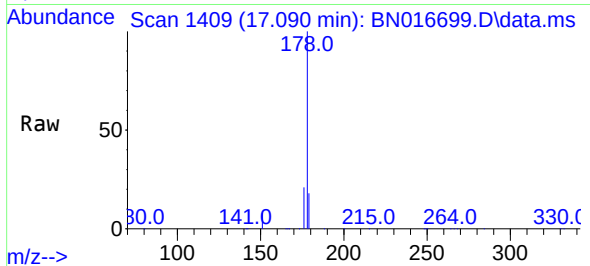
Tgt Ion:266 Resp: 1484
Ion Ratio Lower Upper
266 100
264 66.7 49.8 74.6
268 62.8 51.4 77.2





#25
Phenanthrene
Concen: 39.50 ng
RT: 17.090 min Scan# 1409
Delta R.T. 0.024 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

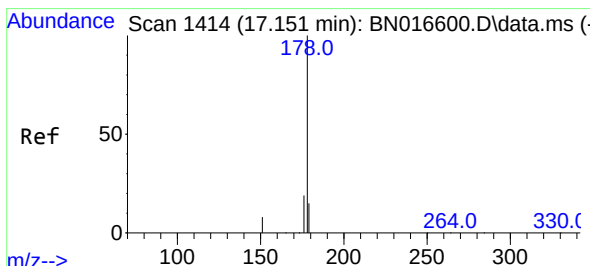
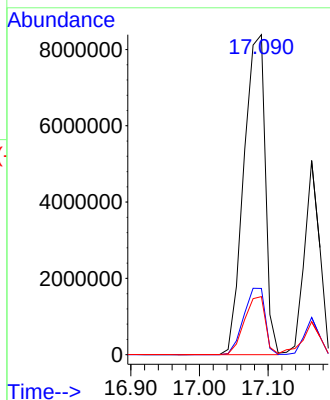
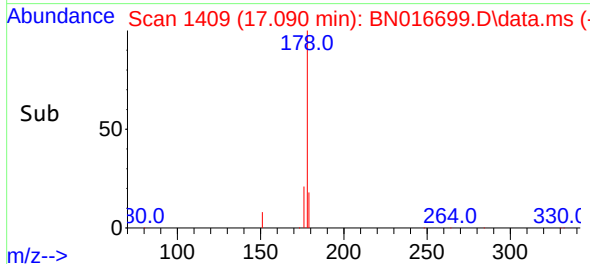
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221



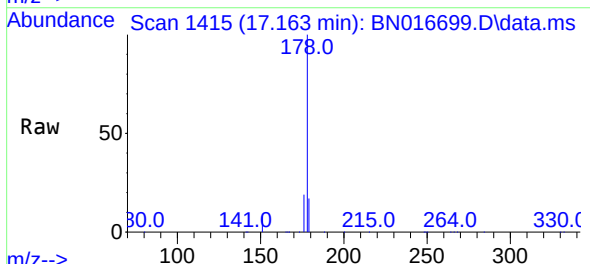
Tgt Ion:178 Resp:18186766
Ion Ratio Lower Upper
178 100
176 20.6 15.0 22.4
179 17.9 12.2 18.4

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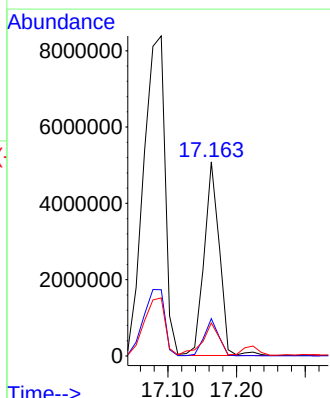
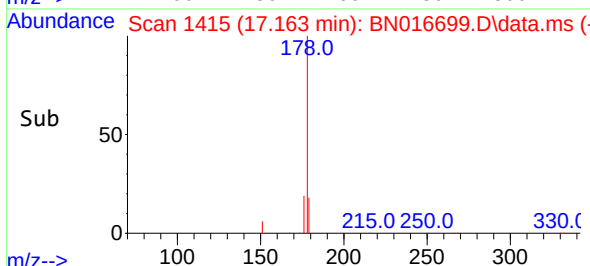
mohammad
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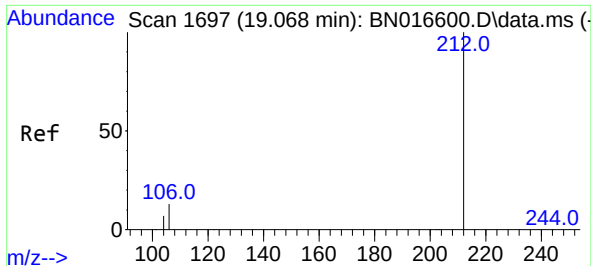


#26
Anthracene
Concen: 19.72 ng
RT: 17.163 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



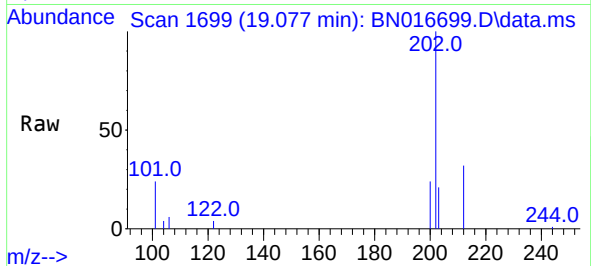
Tgt Ion:178 Resp: 7838198
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 17.4 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.25 ng
RT: 19.077 min Scan# 1699
Delta R.T. 0.010 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

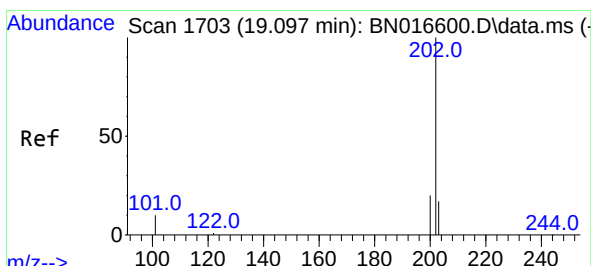
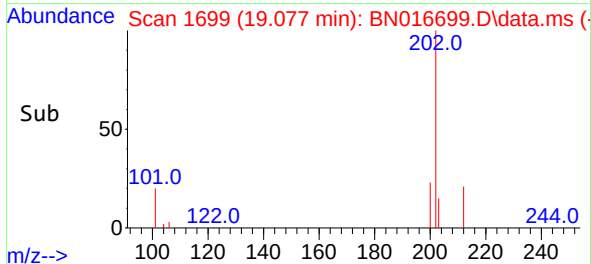
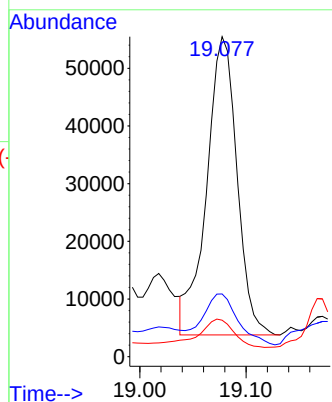
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221



Tgt Ion:212 Resp: 102811
Ion Ratio Lower Upper
212 100
106 19.6 10.6 16.0#
104 11.6 5.9 8.9#

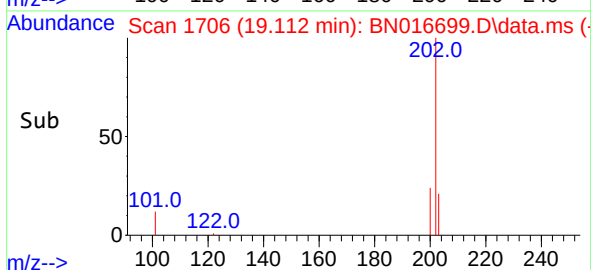
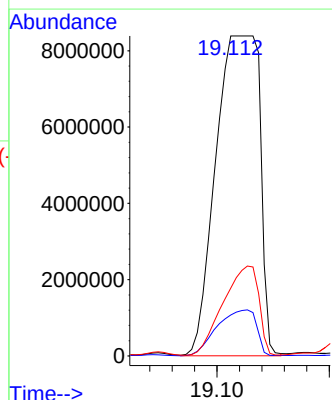
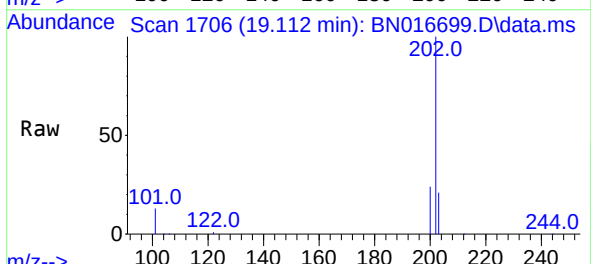
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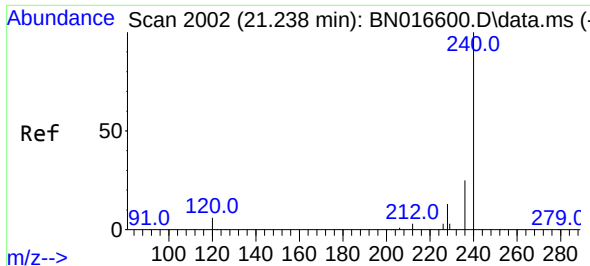
mohammad
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#28
Fluoranthene
Concen: 45.93 ng m
RT: 19.112 min Scan# 1706
Delta R.T. 0.015 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:202 Resp:22830735
Ion Ratio Lower Upper
202 100
101 0.0 9.0 13.4#
203 0.0 13.8 20.6#





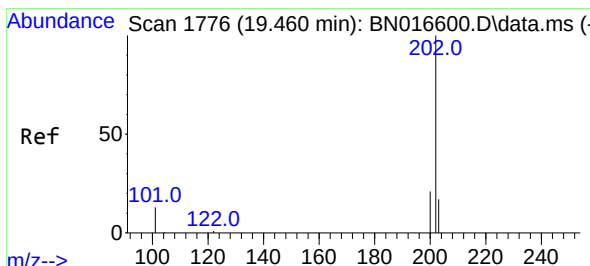
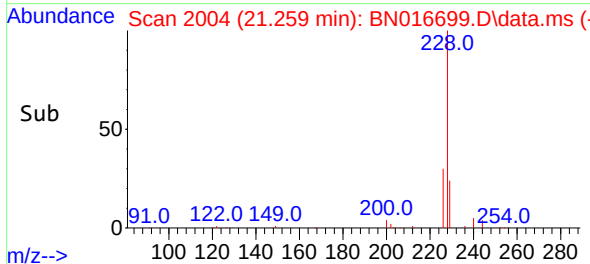
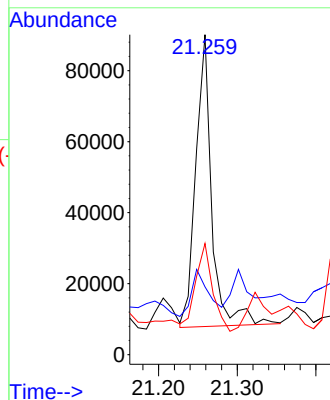
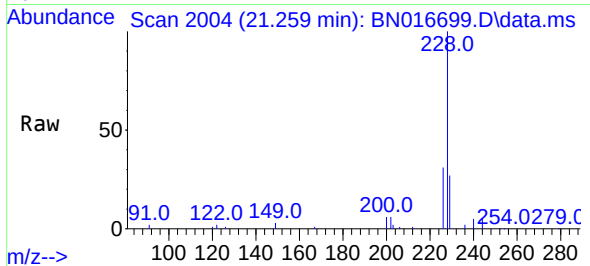
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.021 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:240 Resp: 116284
Ion Ratio Lower Upper
240 100
120 21.2 5.0 7.4#
236 34.7 20.4 30.6#

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

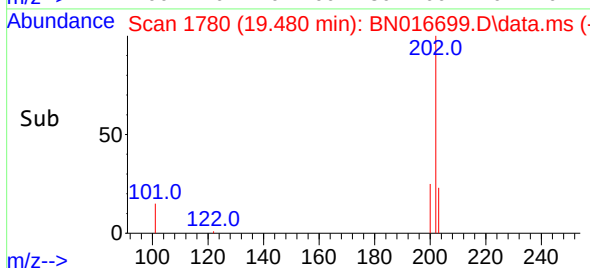
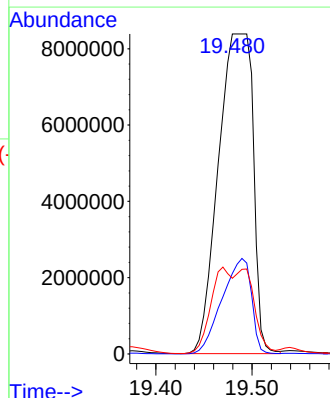
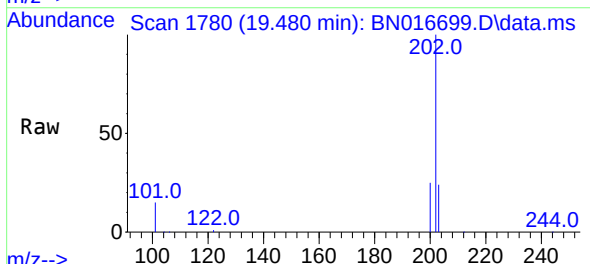
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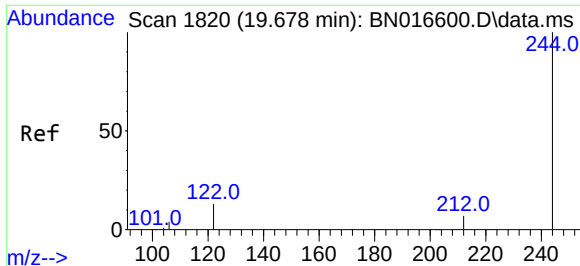
mohammad
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#30
Pyrene
Concen: 55.85 ng
RT: 19.480 min Scan# 1780
Delta R.T. 0.020 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

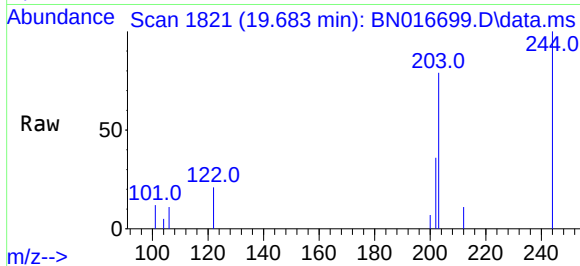
Tgt Ion:202 Resp:21013286
Ion Ratio Lower Upper
202 100
200 25.2 16.5 24.7#
203 16.9 14.0 21.0





#31
Terphenyl-d14
Concen: 0.41 ng
RT: 19.683 min Scan# 1821
Delta R.T. 0.005 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

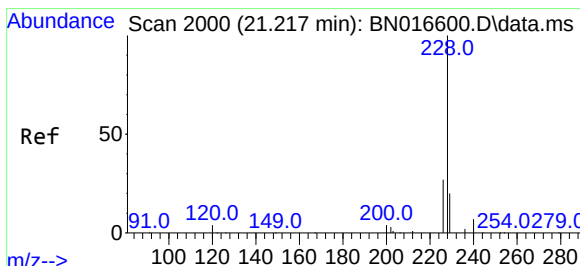
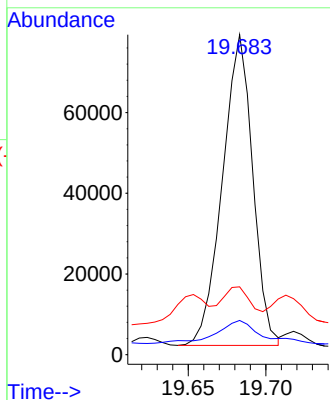
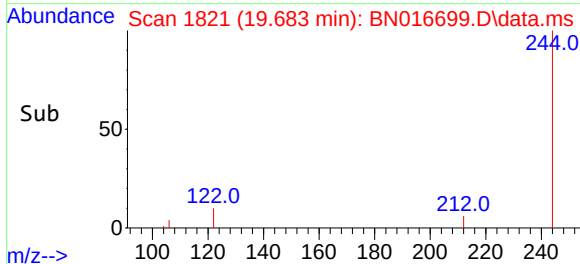
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221



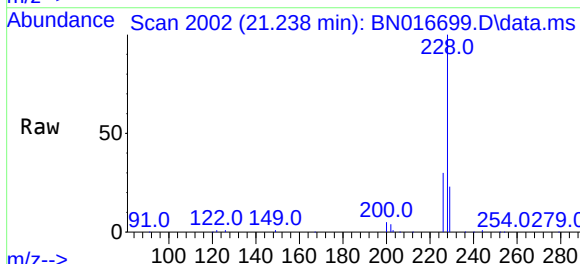
Tgt Ion:244 Resp: 104420
Ion Ratio Lower Upper
244 100
212 10.7 6.0 9.0#
122 21.2 10.1 15.1#

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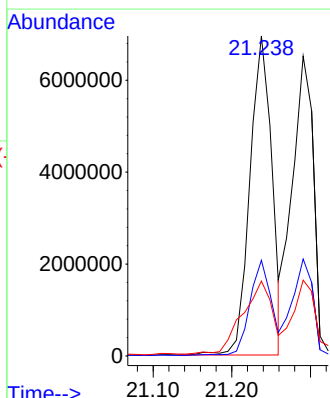
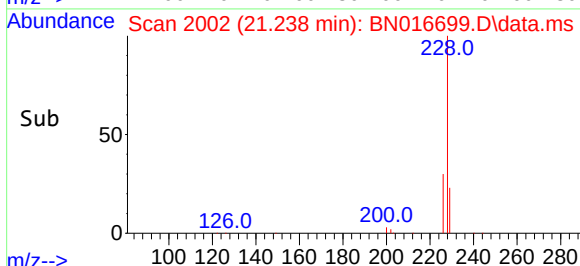
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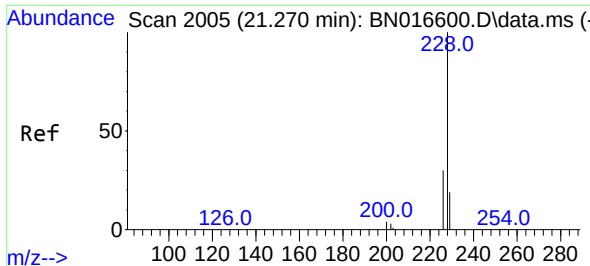


#32
Benzo(a)anthracene
Concen: 37.82 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.021 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



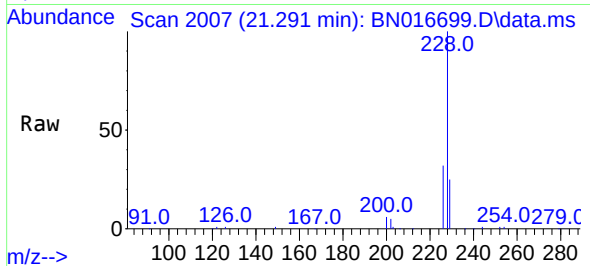
Tgt Ion:228 Resp:13497725
Ion Ratio Lower Upper
228 100
226 29.9 21.9 32.9
229 23.4 15.7 23.5





#33
Chrysene
Concen: 33.47 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.021 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

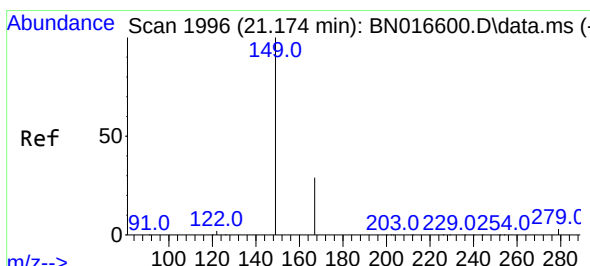
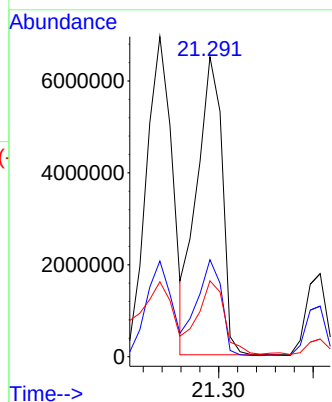
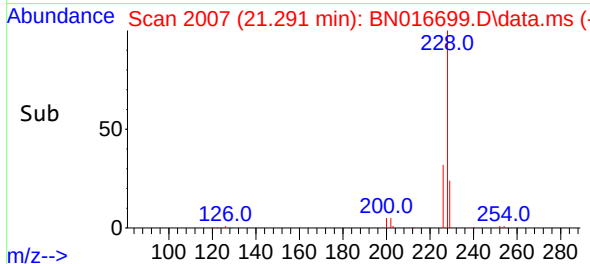
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221



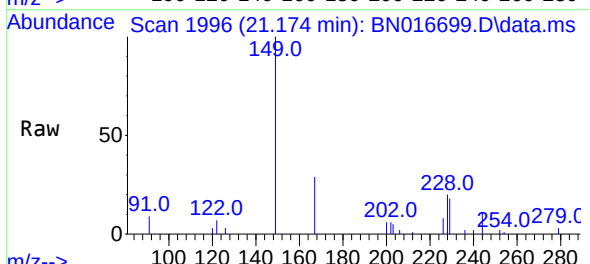
Tgt Ion:228 Resp:12094132
Ion Ratio Lower Upper
228 100
226 32.3 23.7 35.5
229 25.3 15.5 23.3#

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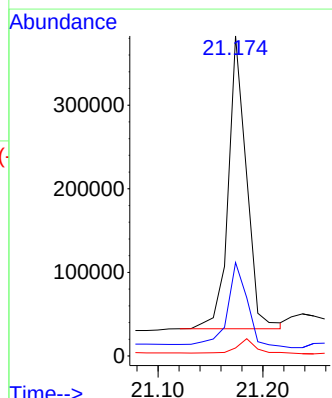
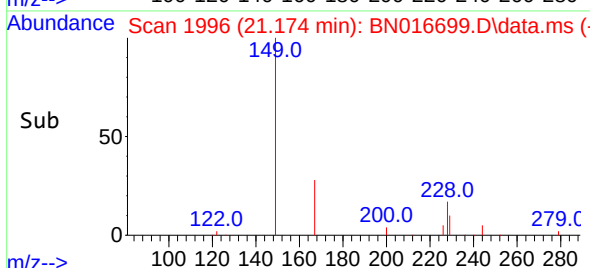
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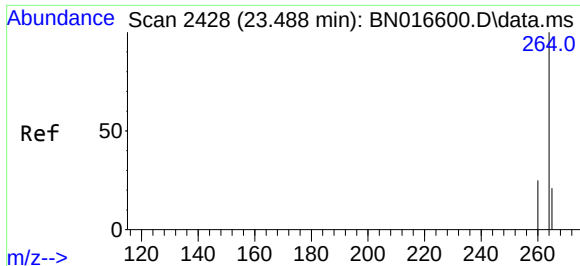


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.96 ng
RT: 21.174 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

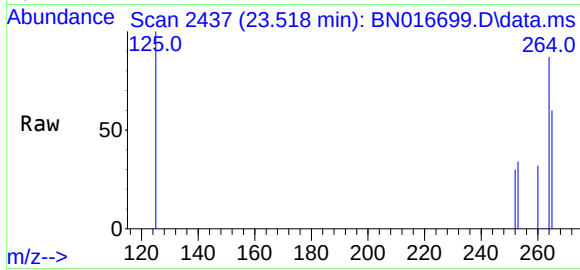


Tgt Ion:149 Resp: 421393
Ion Ratio Lower Upper
149 100
167 33.2 22.2 33.4
279 5.9 3.2 4.8#

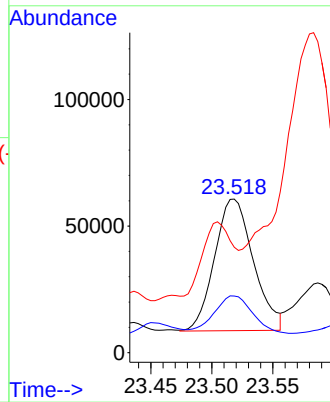
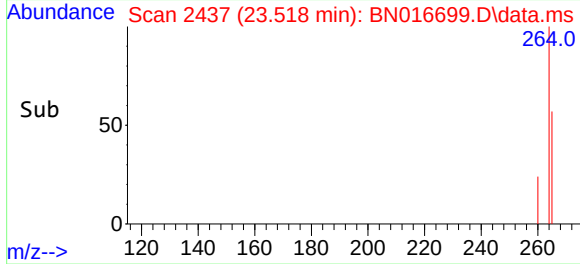




#35
Perylene-d12
Concen: 0.40 ng
RT: 23.518 min Scan# 2437
Delta R.T. 0.031 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



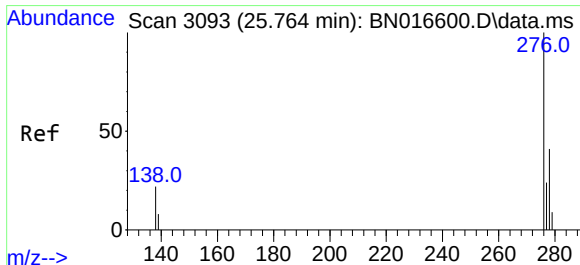
Tgt Ion:264 Resp: 115220
Ion Ratio Lower Upper
264 100
260 36.9 19.9 29.9#
265 68.6 19.2 28.8#



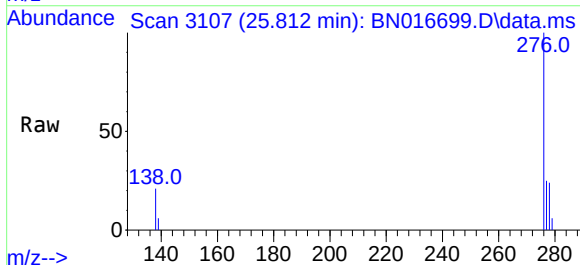
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

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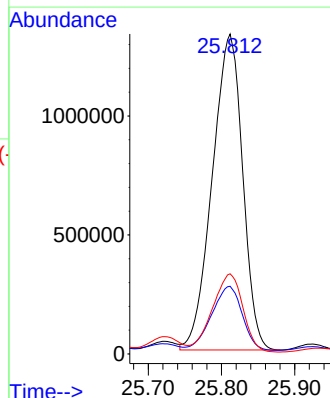
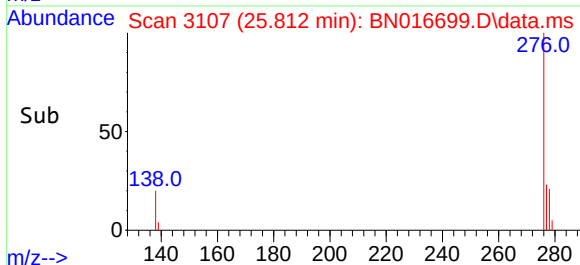
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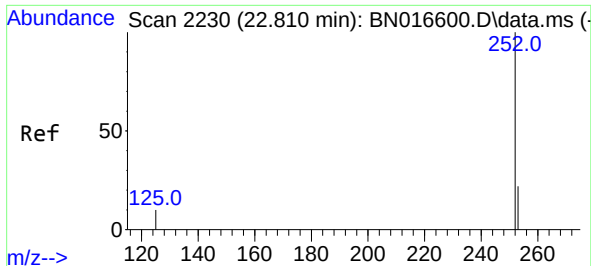


#36
Indeno(1,2,3-cd)pyrene
Concen: 9.31 ng
RT: 25.812 min Scan# 3107
Delta R.T. 0.048 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

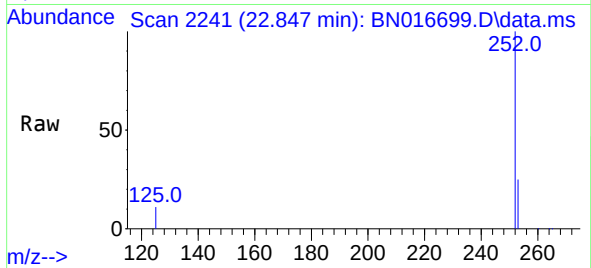


Tgt Ion:276 Resp: 3827462
Ion Ratio Lower Upper
276 100
138 20.4 19.5 29.3
277 24.8 19.9 29.9

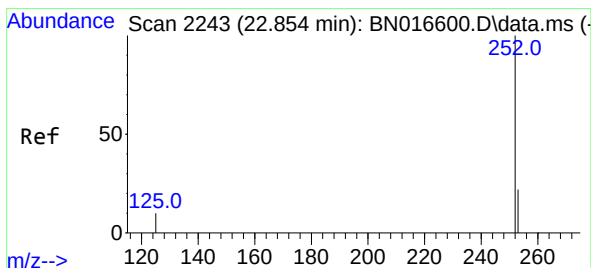
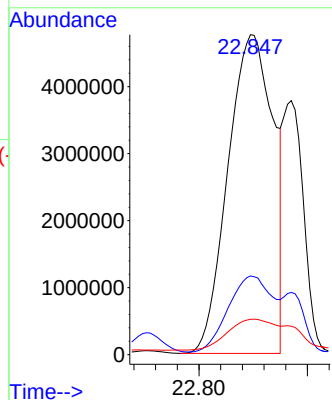




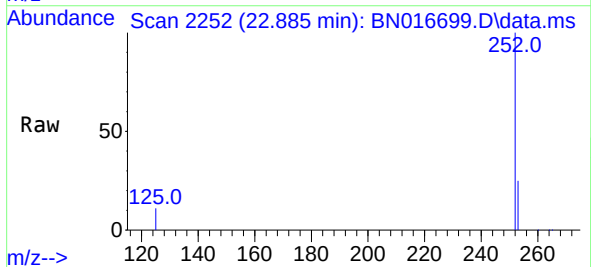
#37
Benzo(b)fluoranthene
Concen: 37.23 ng
RT: 22.847 min Scan# 2241
Delta R.T. 0.038 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



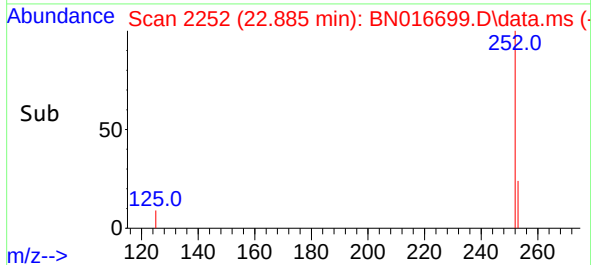
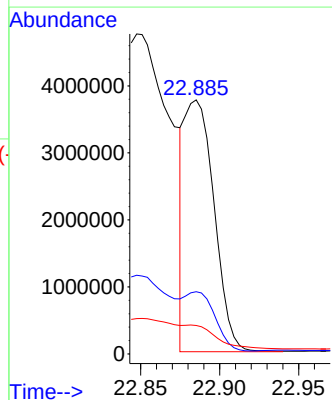
Tgt Ion:252 Resp:13784160
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 11.1 8.0 12.0



#38
Benzo(k)fluoranthene
Concen: 13.36 ng m
RT: 22.885 min Scan# 2252
Delta R.T. 0.031 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24



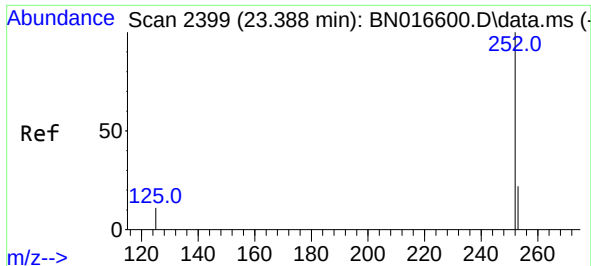
Tgt Ion:252 Resp: 4887946
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 11.2 8.0 12.0



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

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#39

Benzo(a)pyrene

Concen: 27.91 ng

RT: 23.429 min Scan# 2411

Delta R.T. 0.041 min

Lab File: BN016699.D

Acq: 03 Oct 2021 09:24

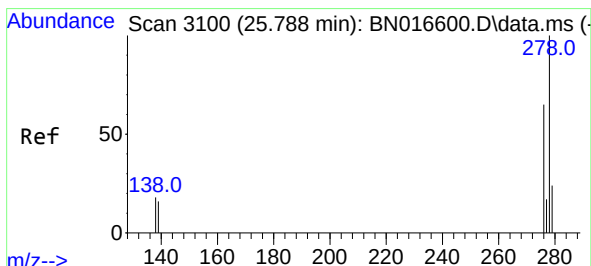
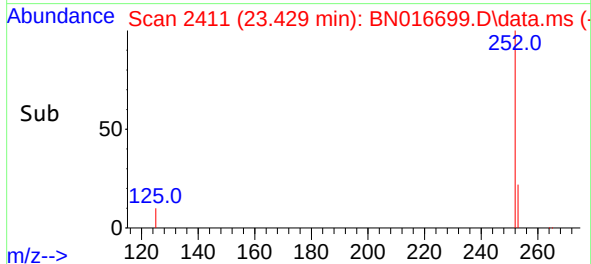
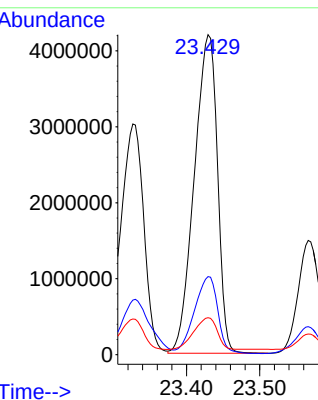
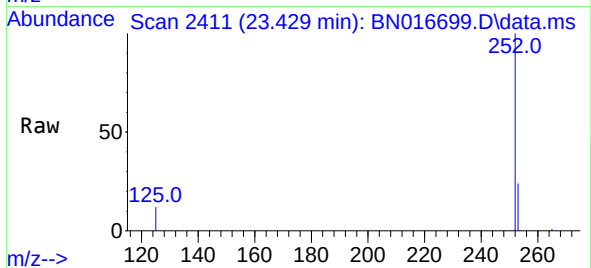
Tgt Ion:252 Resp: 9206277

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

125 11.6 9.0 13.4



#40

Dibenzo(a,h)anthracene

Concen: 3.02 ng

RT: 25.819 min Scan# 3109

Delta R.T. 0.031 min

Lab File: BN016699.D

Acq: 03 Oct 2021 09:24

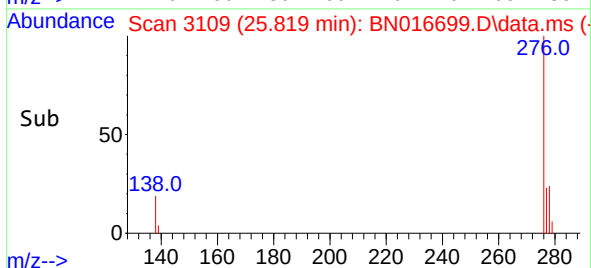
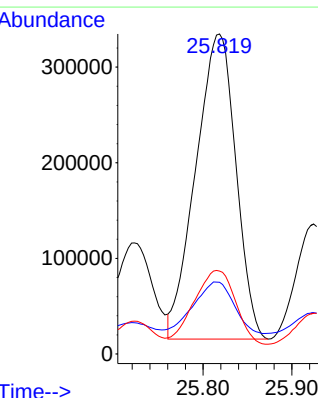
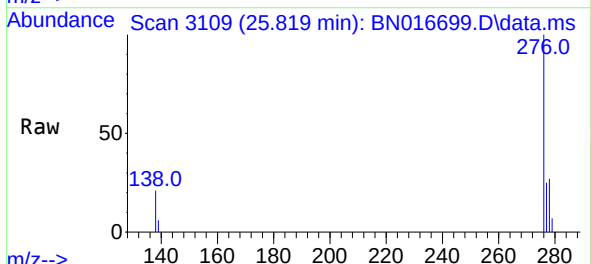
Tgt Ion:278 Resp: 1002935

Ion Ratio Lower Upper

278 100

139 22.4 13.1 19.7#

279 25.9 19.1 28.7



Instrument :

BNA_N

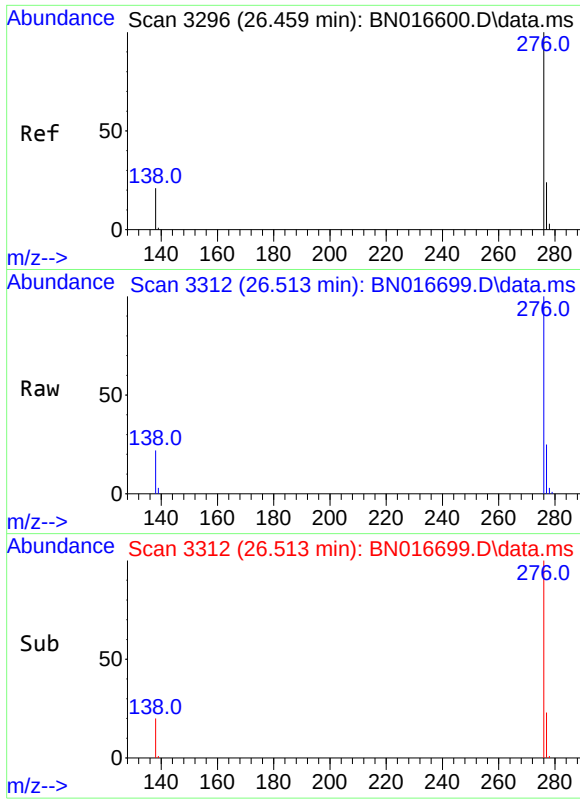
ClientSampleId :

S-832-J-SO-3-3.5-092221

Manual Integrations

APPROVED

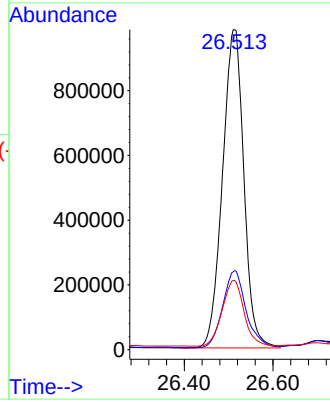
mohammad
10/4/2021 11:49:26 AM



#41
Benzo(g,h,i)perylene
Concen: 9.07 ng
RT: 26.513 min Scan# 3312
Delta R.T. 0.055 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:276 Resp: 3298497

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.6
138	21.6	16.9	25.3



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-3-3.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:26 AM