

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101121\
 Data File : BN016883.D
 Acq On : 11 Oct 2021 13:41
 Operator : CG/JU
 Sample : M3966-04DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-2-2.5-092721DL

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Quant Time: Oct 11 14:15:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 15:46:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.605	152	22510	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	105909	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	59054	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	118539	0.400	ng	#-0.01
29) Chrysene-d12	21.217	240	115613	0.400	ng	0.01
35) Perylene-d12	23.464	264	130110	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.236	112	7765	0.138	ng	0.00
5) Phenol-d6	6.803	99	8357	0.131	ng	0.00
8) Nitrobenzene-d5	8.746	82	9260	0.125	ng	-0.01
11) 2-Methylnaphthalene-d10	11.976	152	21398	0.136	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	4086	0.134	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	27731	0.116	ng	-0.01
27) Fluoranthene-d10	19.043	212	41941	0.127	ng	0.00
31) Terphenyl-d14	19.658	244	34101	0.135	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.419	128	60050	0.208	ng	99
12) 2-Methylnaphthalene	12.047	142	22477	0.122	ng	98
16) Acenaphthylene	13.964	152	19808	0.076	ng	96
17) Acenaphthene	14.307	154	78667	0.454	ng	100
18) Fluorene	15.296	166	100700	0.478	ng	98
24) Pentachlorophenol	16.652	266	979	0.128	ng	99
25) Phenanthrene	17.042	178	1746835	4.962	ng	100
26) Anthracene	17.127	178	291164	0.931	ng	# 93
28) Fluoranthene	19.078	202	2757602	6.975	ng	99
30) Pyrene	19.440	202	2338835	6.579	ng	# 94
32) Benzo(a)anthracene	21.195	228	1178209	3.295	ng	99
33) Chrysene	21.248	228	1251694	3.437	ng	97
34) Bis(2-ethylhexyl)phtha...	21.153	149	169658	0.934	ng	100
36) Indeno(1,2,3-cd)pyrene	25.730	276	773896	1.571	ng	97
37) Benzo(b)fluoranthene	22.789	252	1742939	4.232	ng	98
38) Benzo(k)fluoranthene	22.830	252	589373m	1.472	ng	
39) Benzo(a)pyrene	23.364	252	1175758	3.124	ng	98
40) Dibenzo(a,h)anthracene	25.743	278	181801	0.451	ng	# 90
41) Benzo(g,h,i)perylene	26.428	276	755297	1.763	ng	98

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

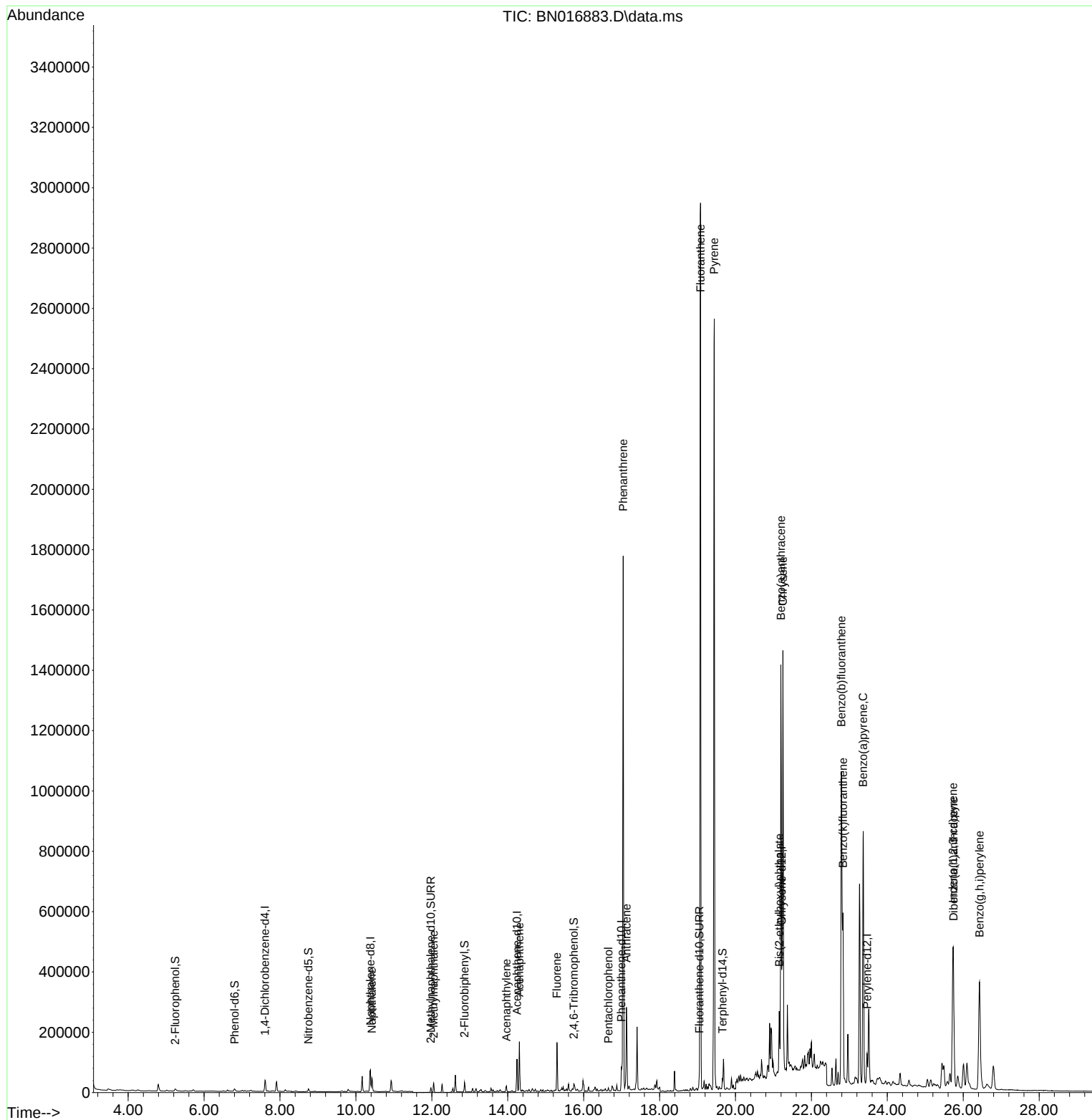
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101121\
 Data File : BN016883.D
 Acq On : 11 Oct 2021 13:41
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

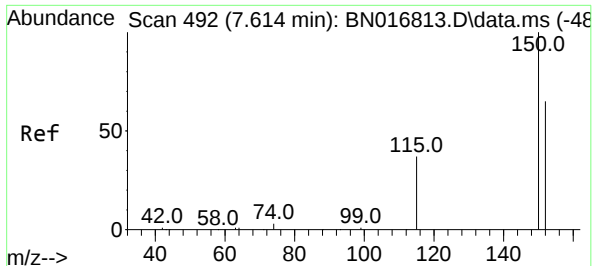
Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-2-2.5-092721DL

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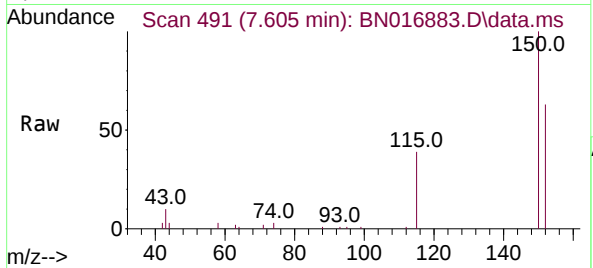
Quant Time: Oct 11 14:15:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 15:46:07 2021
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.605 min Scan# 491
Delta R.T. -0.009 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

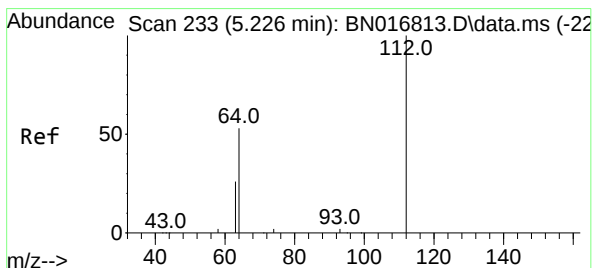
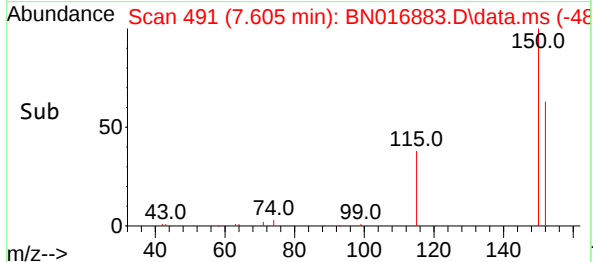
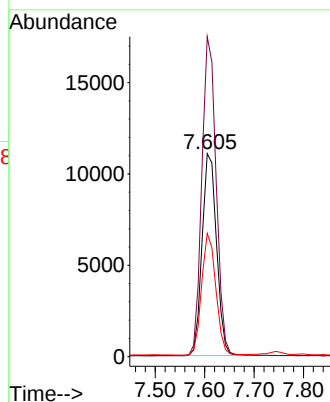
Instrument :
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S-830-J-SO-2-2.5-092721DL



Tgt Ion:152 Resp: 22510
Ion Ratio Lower Upper
152 100
150 157.6 123.3 184.9
115 60.7 47.0 70.6

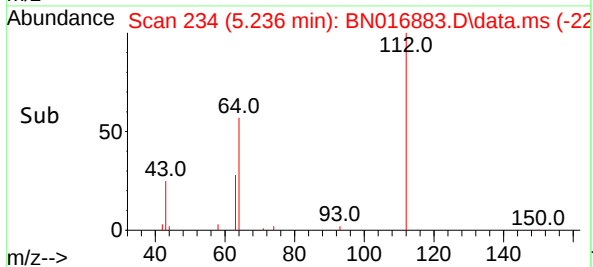
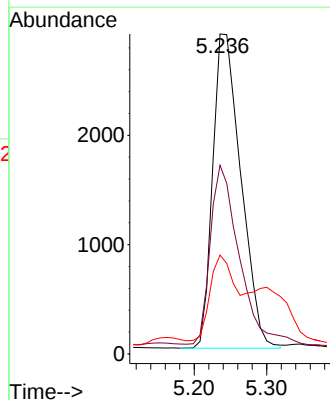
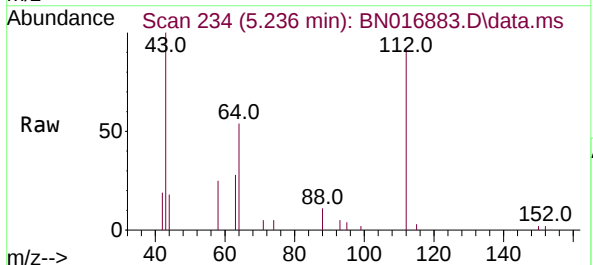
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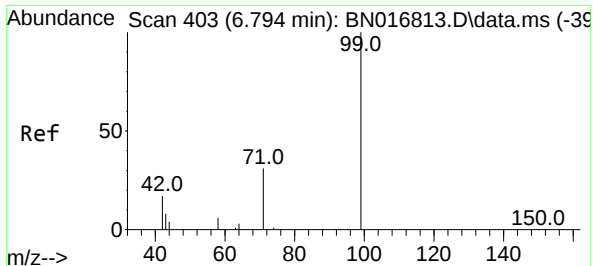
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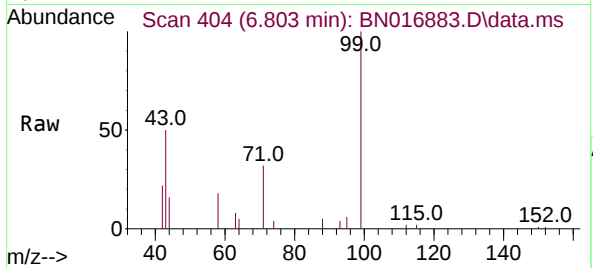
#4
2-Fluorophenol
Concen: 0.138 ng
RT: 5.236 min Scan# 234
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

Tgt Ion:112 Resp: 7765
Ion Ratio Lower Upper
112 100
64 58.2 42.9 64.3
63 27.2 21.5 32.3

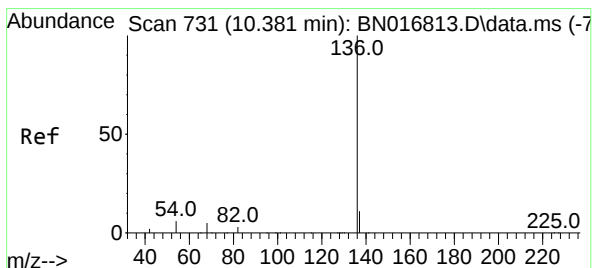
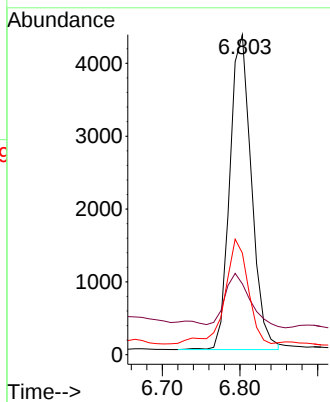
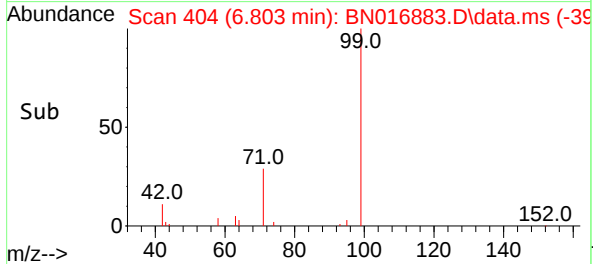




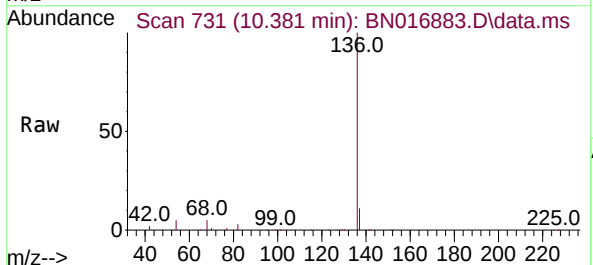
#5
Phenol-d6
Concen: 0.131 ng
RT: 6.803 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



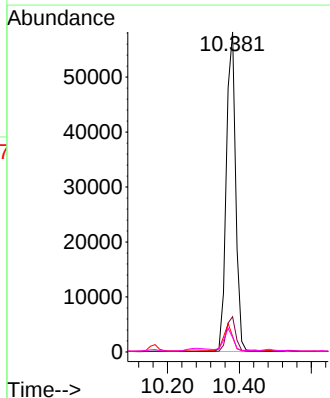
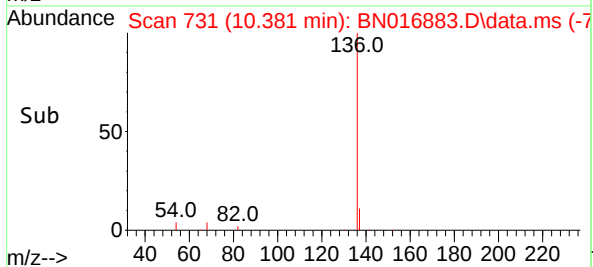
Tgt Ion: 99 Resp: 8357
Ion Ratio Lower Upper
99 100
42 19.0 13.4 20.2
71 35.4 24.0 36.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



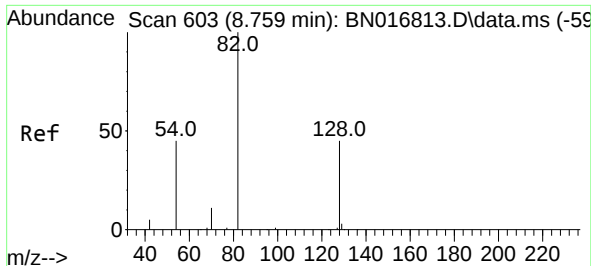
Tgt Ion: 136 Resp: 105909
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 4.9 6.5 9.7#
68 4.6 5.3 7.9#



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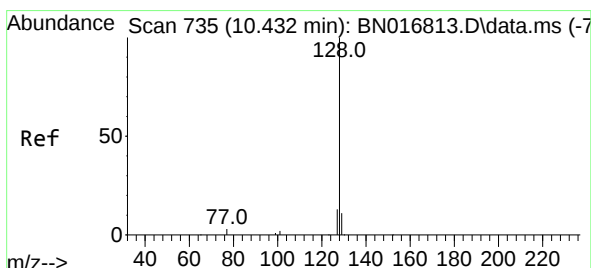
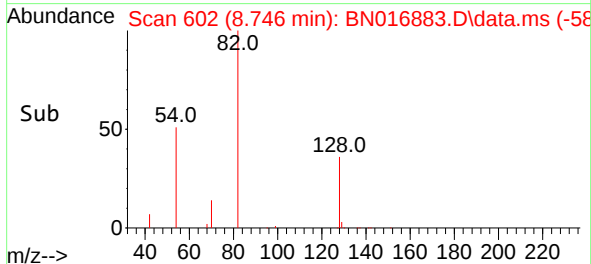
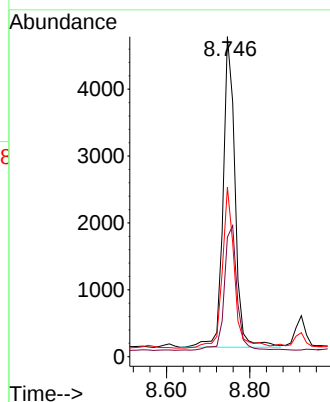
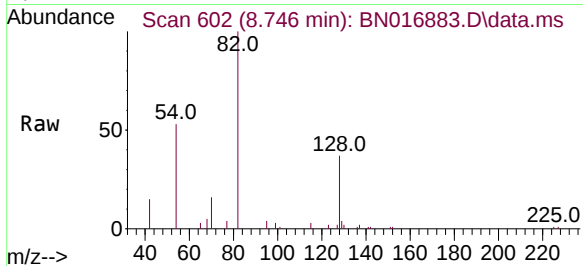
#8
Nitrobenzene-d5
Concen: 0.125 ng
RT: 8.746 min Scan# 602
Delta R.T. -0.013 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

Tgt Ion:	82	Resp:	9260
Ion Ratio	Lower	Upper	
82	100		
128	37.4	33.8	50.6
54	53.0	38.5	57.7

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL

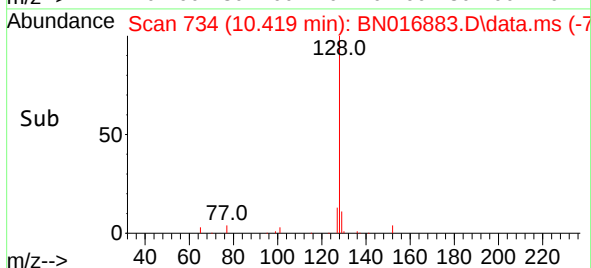
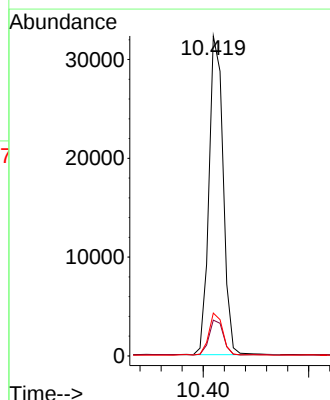
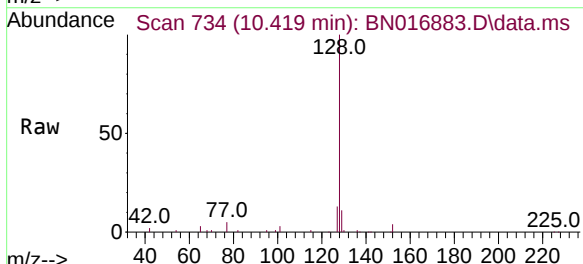
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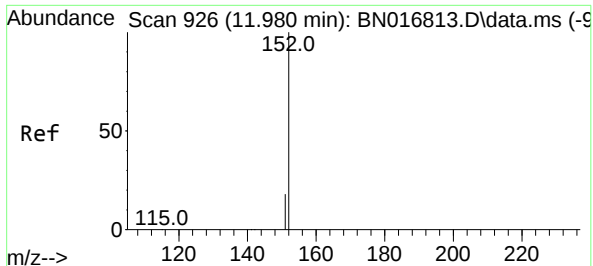
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#9
Naphthalene
Concen: 0.208 ng
RT: 10.419 min Scan# 734
Delta R.T. -0.013 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

Tgt Ion:	128	Resp:	60050
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.7	13.1
127	13.4	10.3	15.5





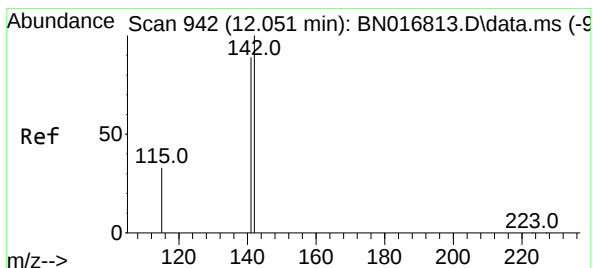
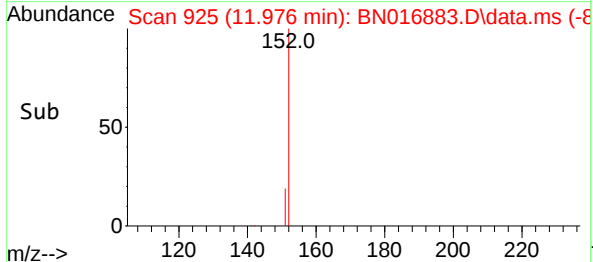
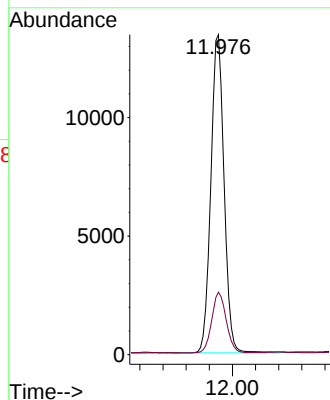
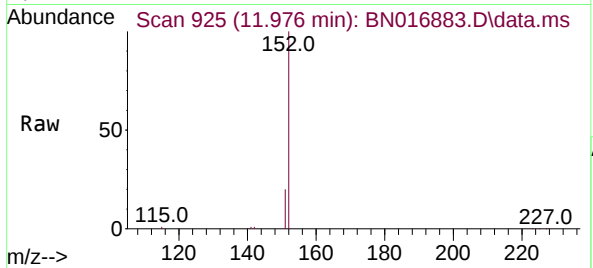
#11
2-Methylnaphthalene-d10
Concen: 0.136 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

Tgt Ion:152 Resp: 21398
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4

Instrument :
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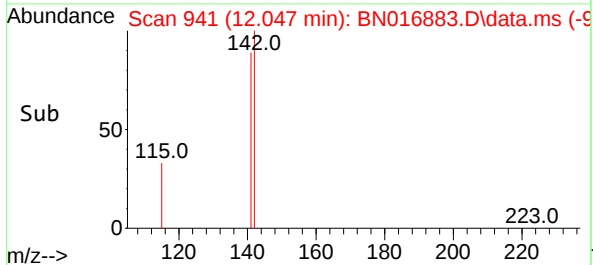
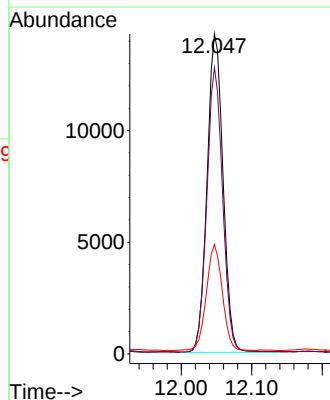
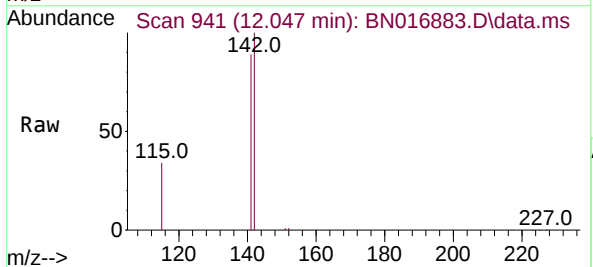
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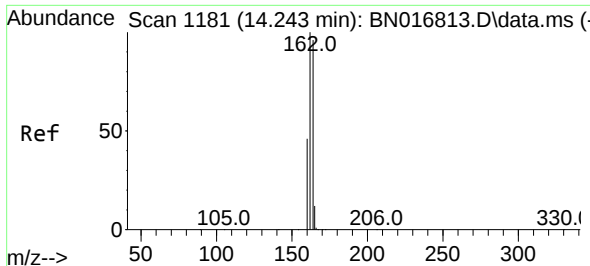
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#12
2-Methylnaphthalene
Concen: 0.122 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.004 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

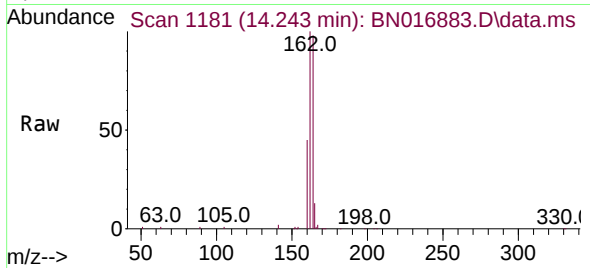
Tgt Ion:142 Resp: 22477
Ion Ratio Lower Upper
142 100
141 89.5 70.6 106.0
115 34.2 26.1 39.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

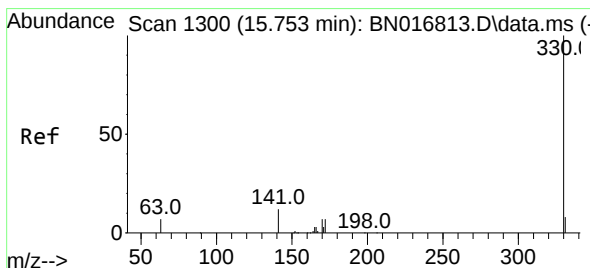
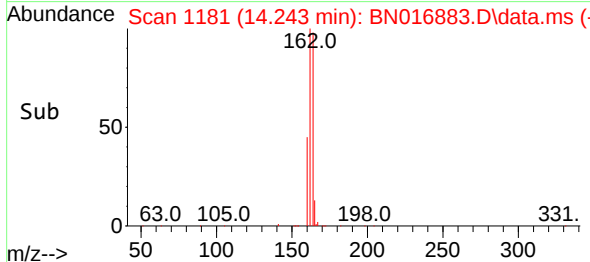
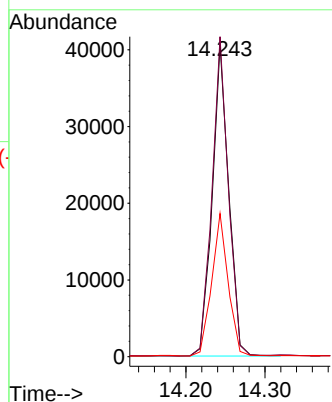
Instrument :
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Tgt Ion:164 Resp: 59054
Ion Ratio Lower Upper
164 100
162 102.5 82.6 124.0
160 45.9 38.2 57.2

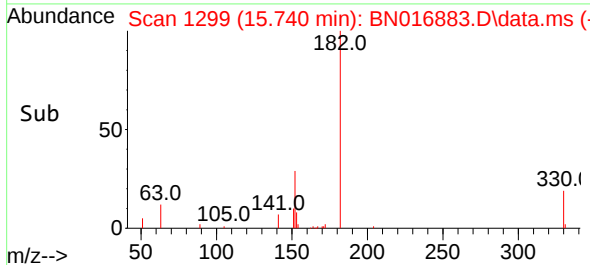
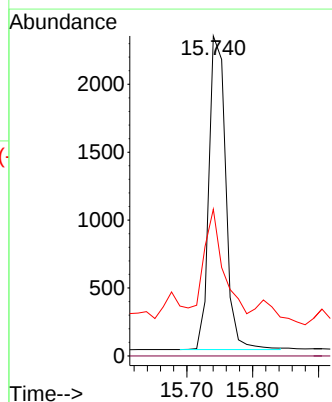
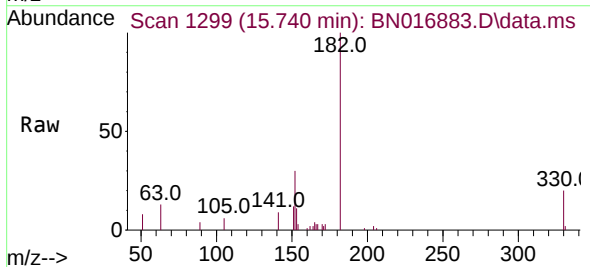
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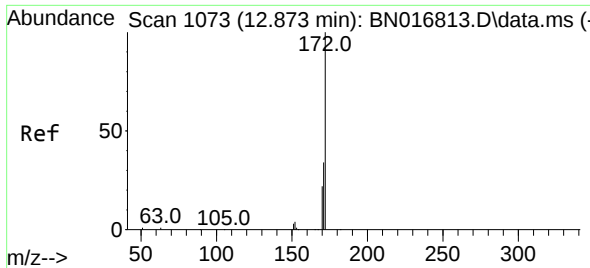
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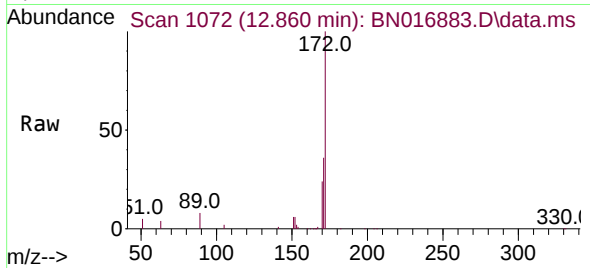
#14
2,4,6-Tribromophenol
Concen: 0.134 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

Tgt Ion:330 Resp: 4086
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.5 24.2 36.2#

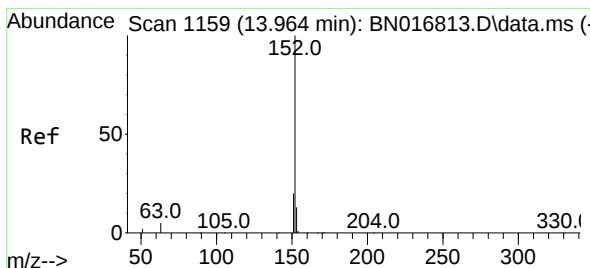
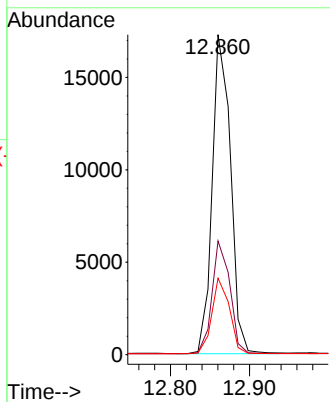
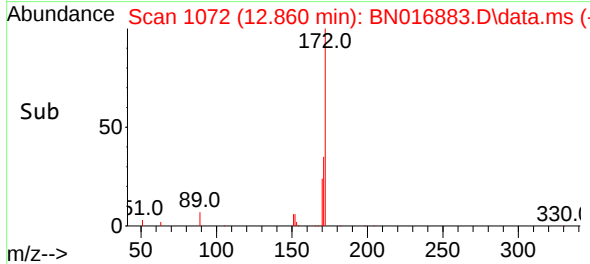




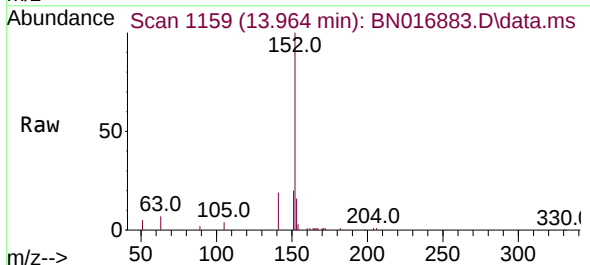
#15
2-Fluorobiphenyl
Concen: 0.116 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.013 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



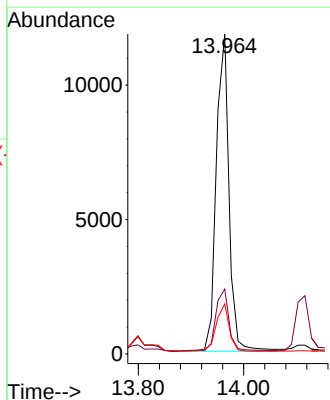
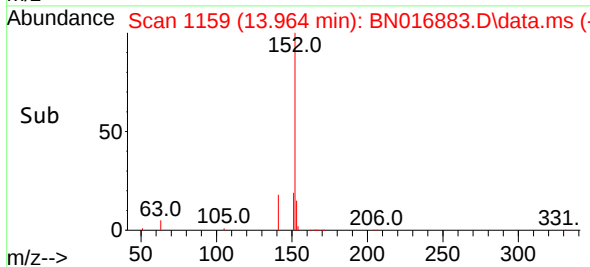
Tgt Ion:172 Resp: 27731
Ion Ratio Lower Upper
172 100
171 35.5 26.9 40.3
170 23.9 17.4 26.0



#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



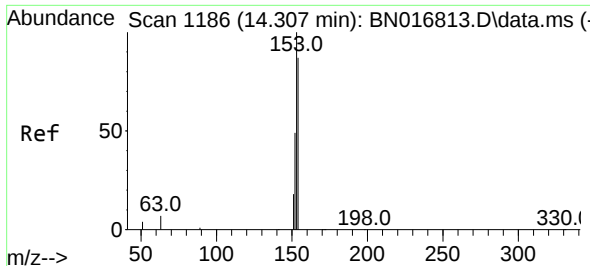
Tgt Ion:152 Resp: 19808
Ion Ratio Lower Upper
152 100
151 20.6 15.5 23.3
153 15.3 10.4 15.6



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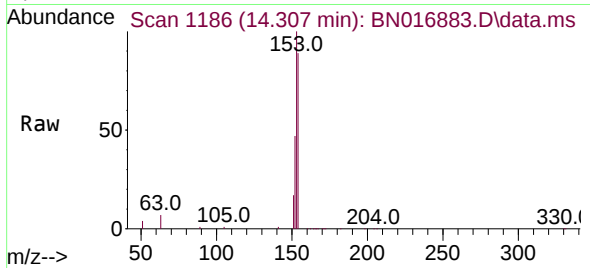
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#17
Acenaphthene
Concen: 0.454 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

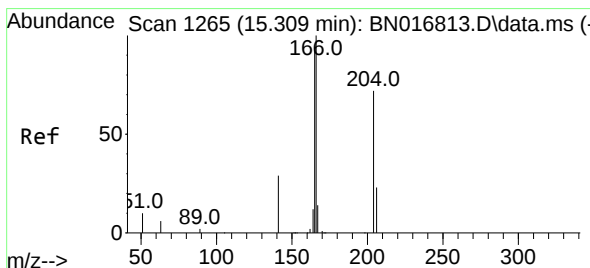
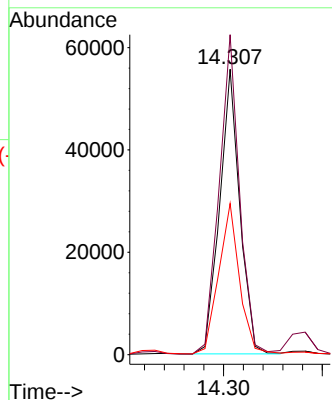
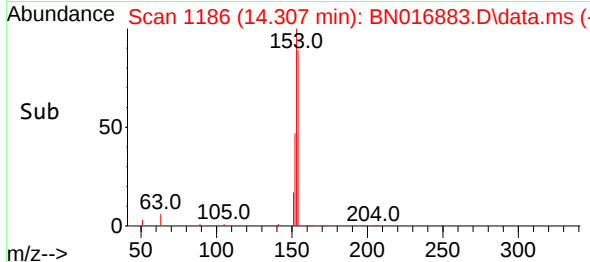
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ClientSampleId :
S-830-J-SO-2-2.5-092721DL



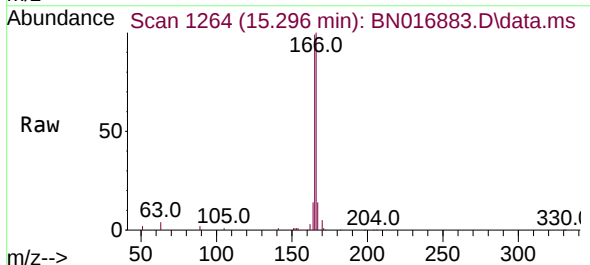
Tgt Ion:154 Resp: 78667
Ion Ratio Lower Upper
154 100
153 113.1 90.1 135.1
152 54.4 43.6 65.4

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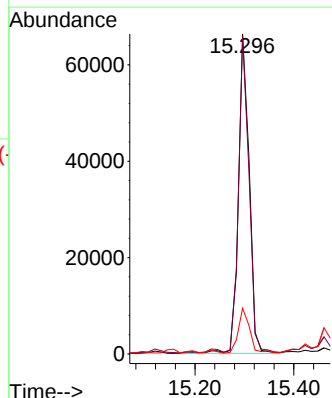
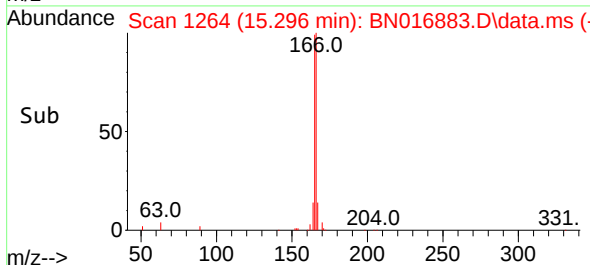
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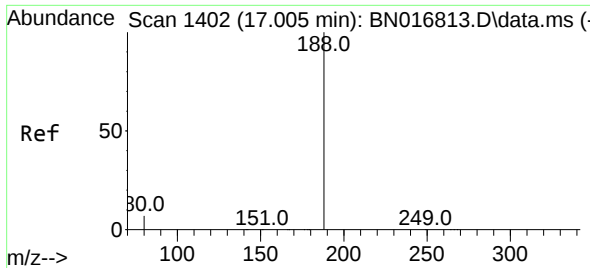


#18
Fluorene
Concen: 0.478 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

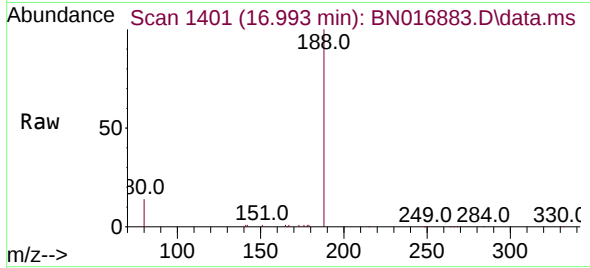


Tgt Ion:166 Resp: 100700
Ion Ratio Lower Upper
166 100
165 96.0 78.1 117.1
167 14.8 10.7 16.1

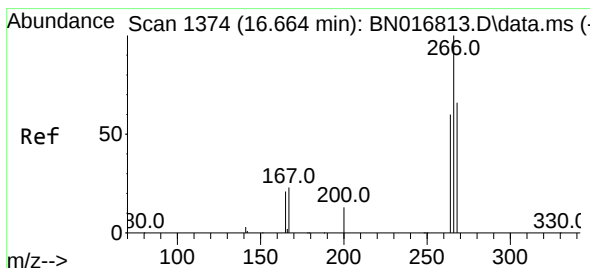
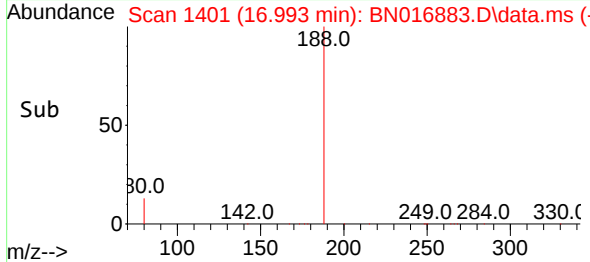
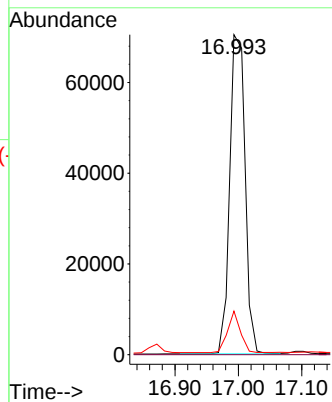




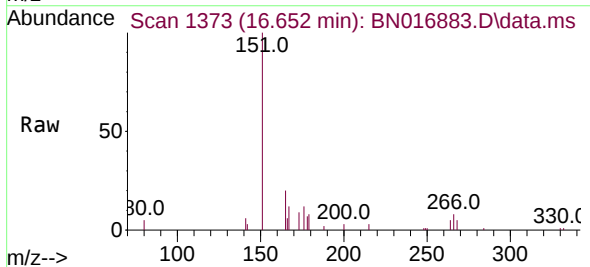
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



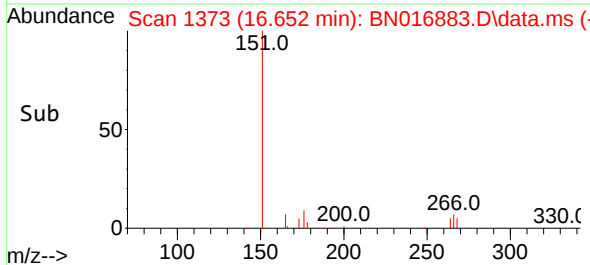
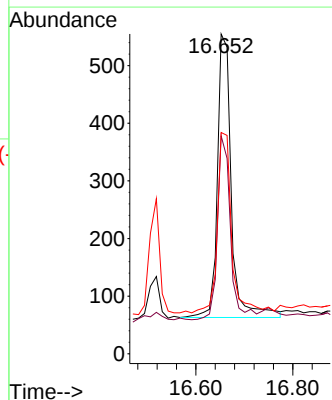
Tgt Ion:188 Resp: 118539
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 5.8 8.8#



#24
Pentachlorophenol
Concen: 0.128 ng
RT: 16.652 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



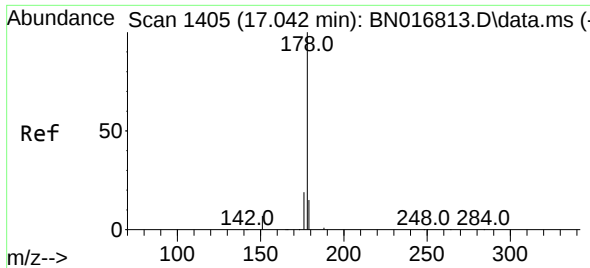
Tgt Ion:266 Resp: 979
Ion Ratio Lower Upper
266 100
264 60.6 49.3 73.9
268 64.5 51.8 77.8



Instrument :
BNA_N
ClientSampleId :
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#25
Phenanthrene
Concen: 4.962 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

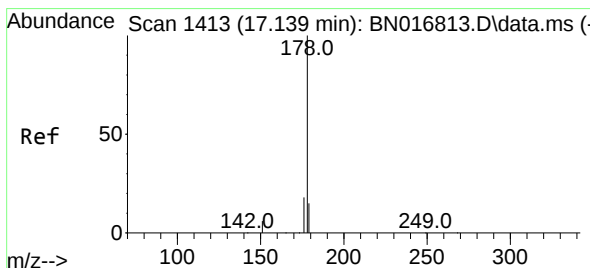
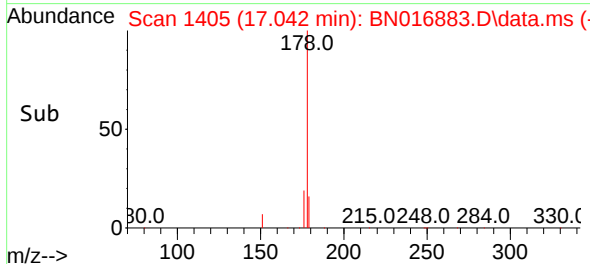
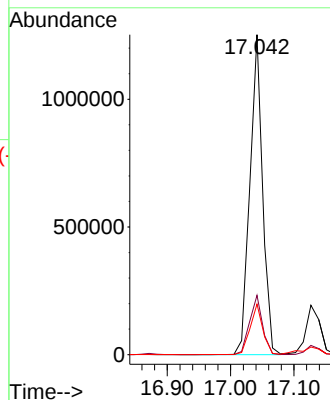
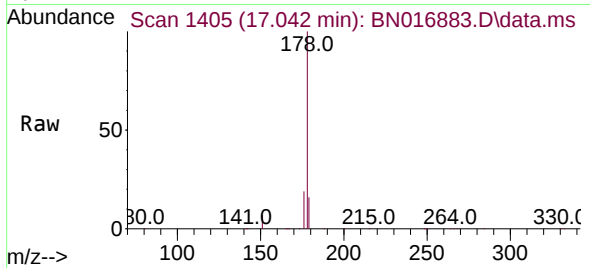
Tgt Ion:178 Resp: 1746835

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.8	12.4	18.6

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL

Manual Integrations
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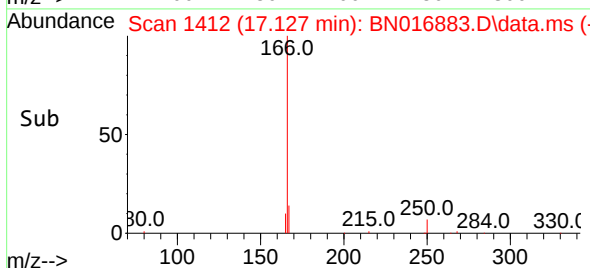
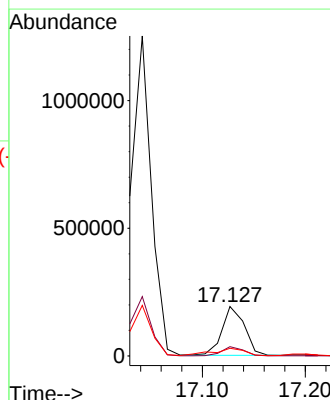
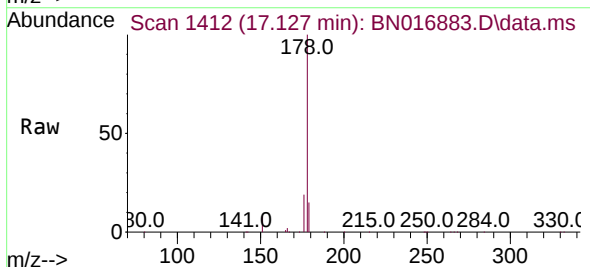
mohammad
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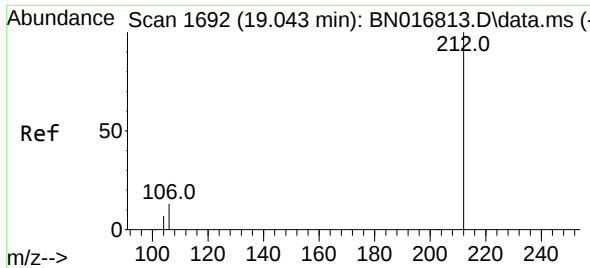


#26
Anthracene
Concen: 0.931 ng
RT: 17.127 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

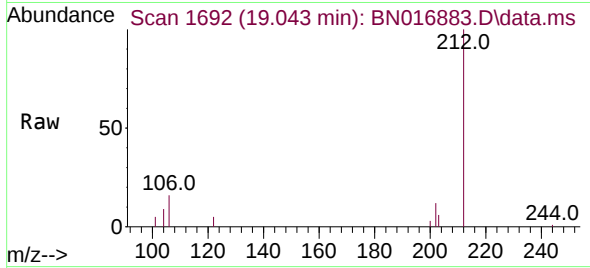
Tgt Ion:178 Resp: 291164

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	21.4	12.2	18.4

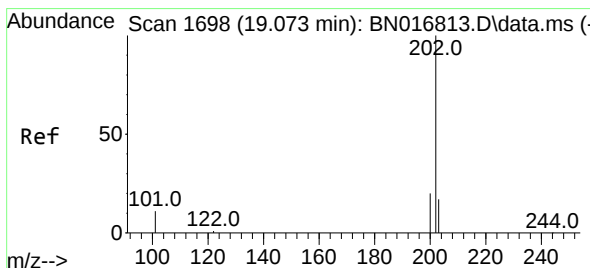
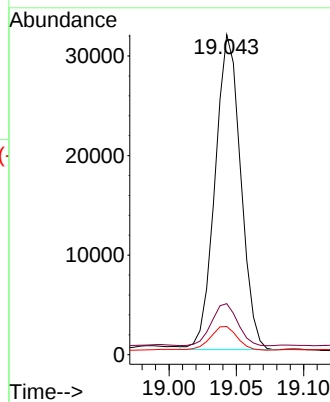
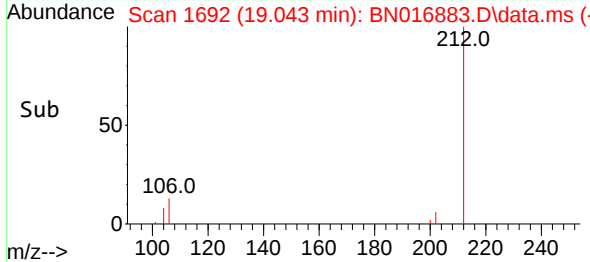




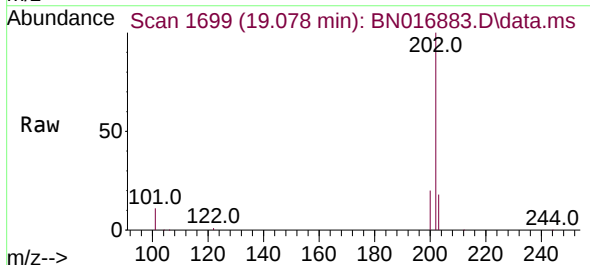
#27
Fluoranthene-d10
Concen: 0.127 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



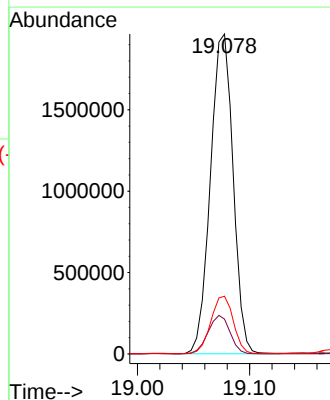
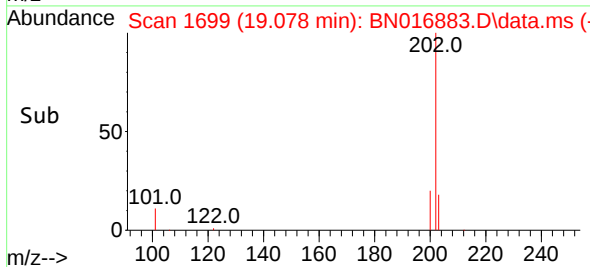
Tgt Ion:212 Resp: 41941
Ion Ratio Lower Upper
212 100
106 13.6 10.6 16.0
104 7.9 5.8 8.8



#28
Fluoranthene
Concen: 6.975 ng
RT: 19.078 min Scan# 1699
Delta R.T. 0.005 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



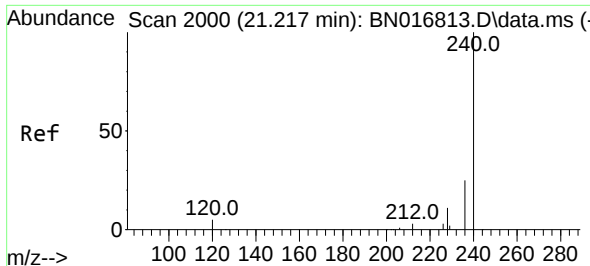
Tgt Ion:202 Resp: 2757602
Ion Ratio Lower Upper
202 100
101 11.6 8.9 13.3
203 17.8 13.8 20.8



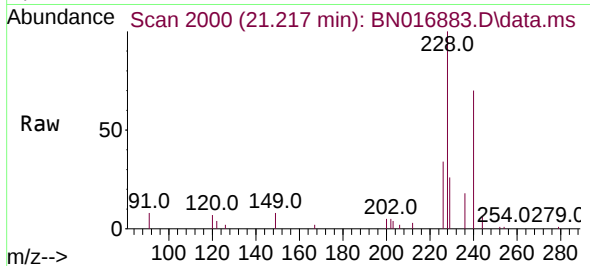
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL

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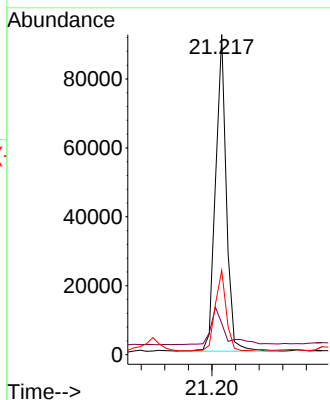
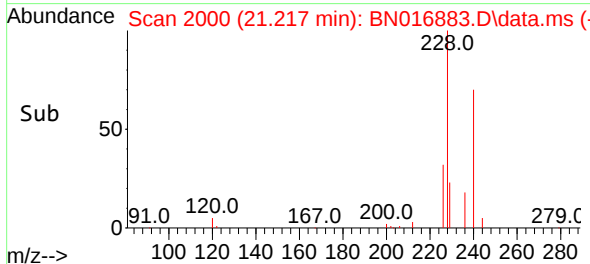
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



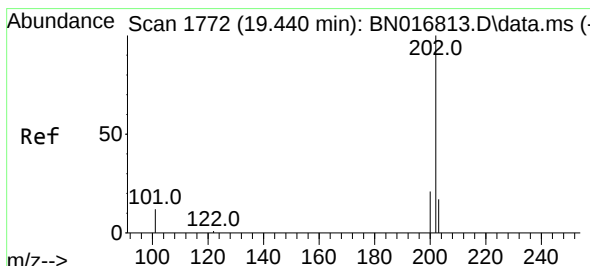
Tgt Ion:240 Resp: 115613
Ion Ratio Lower Upper
240 100
120 9.8 6.6 10.0
236 26.3 20.7 31.1



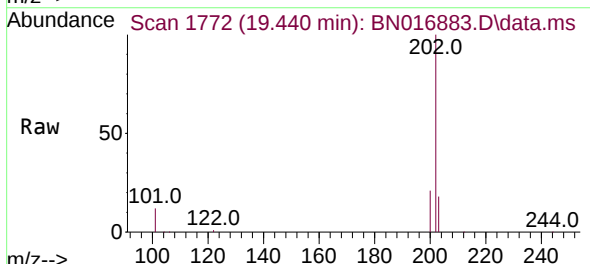
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL

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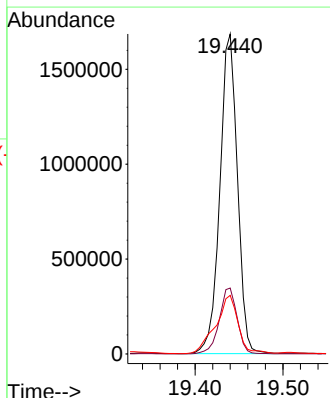
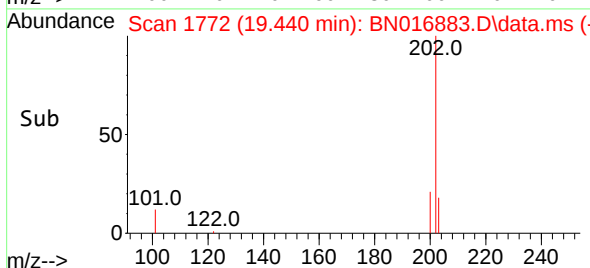
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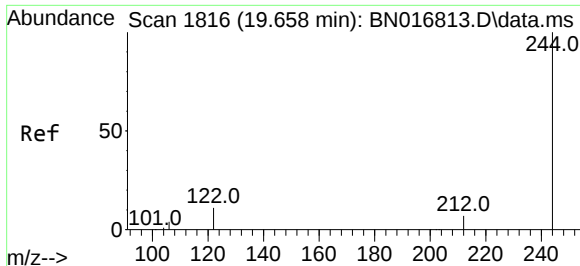


#30
Pyrene
Concen: 6.579 ng
RT: 19.440 min Scan# 1772
Delta R.T. 0.005 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



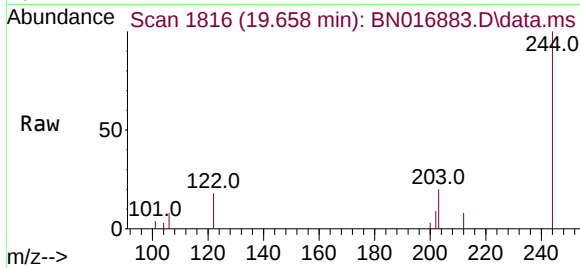
Tgt Ion:202 Resp: 2338835
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.2 13.9 20.9#





#31
Terphenyl-d14
Concen: 0.135 ng
RT: 19.658 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

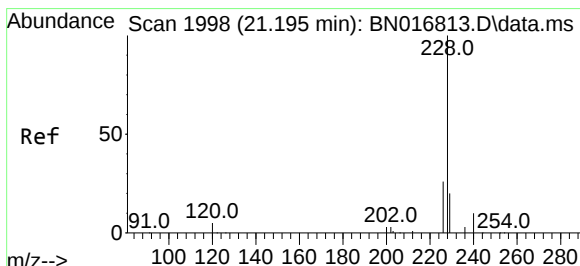
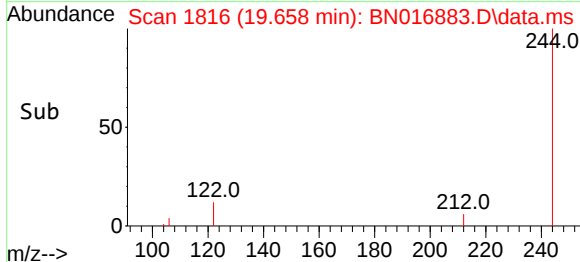
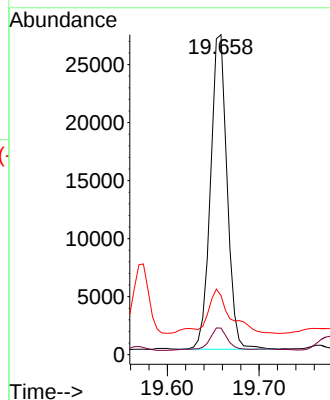
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL



Tgt Ion:244 Resp: 34101
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.6
122 18.5 8.9 13.3#

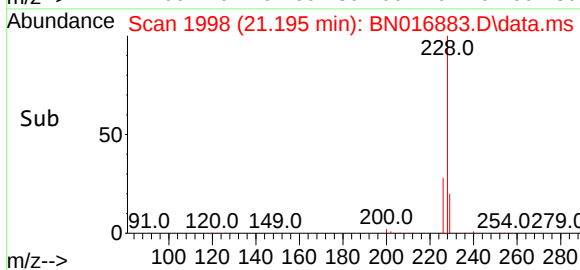
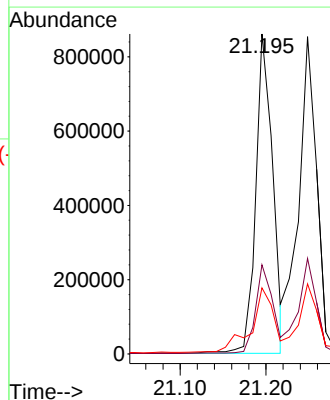
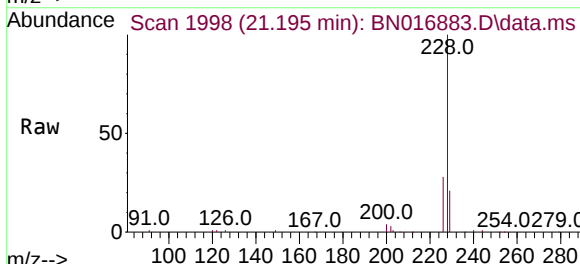
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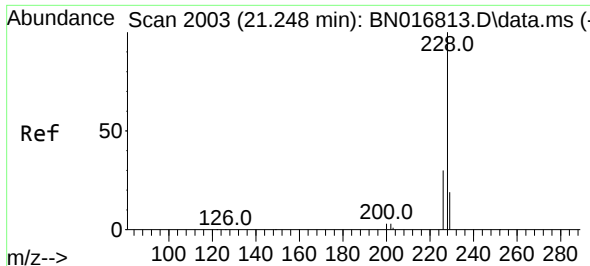
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#32
Benzo(a)anthracene
Concen: 3.295 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

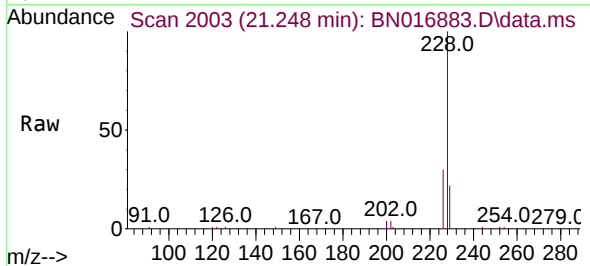
Tgt Ion:228 Resp: 1178209
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 20.7 15.4 23.0





#33
Chrysene
Concen: 3.437 ng
RT: 21.248 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

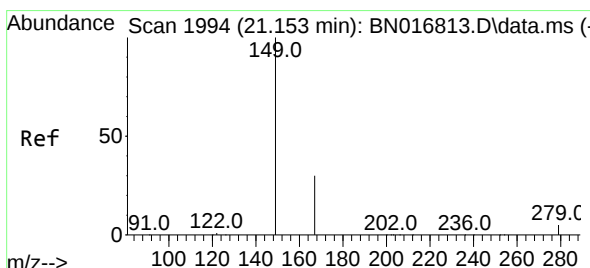
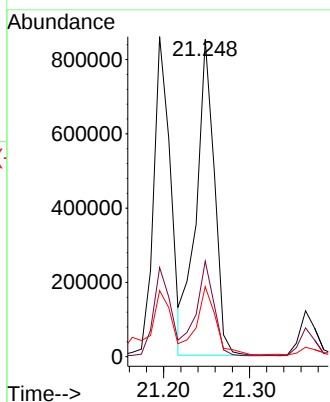
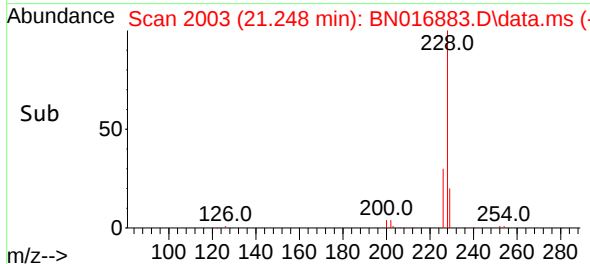
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL



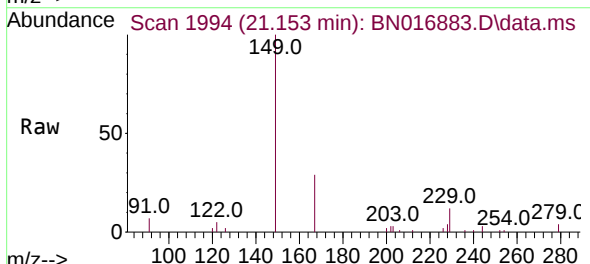
Tgt Ion:228 Resp: 1251694
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 22.1 15.4 23.0

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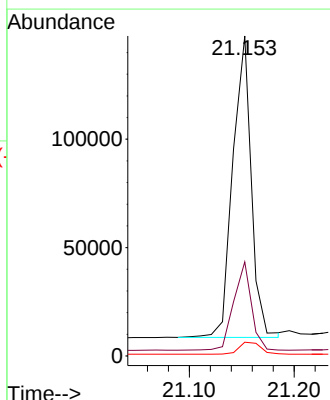
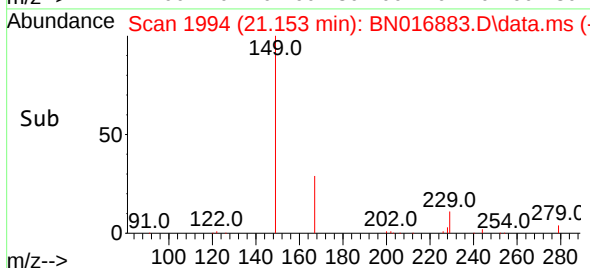
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10/12/2021 9:35:53 AM

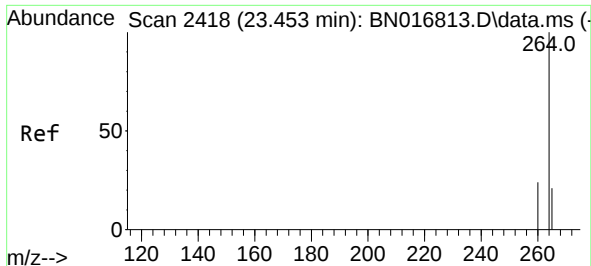


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.934 ng
RT: 21.153 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



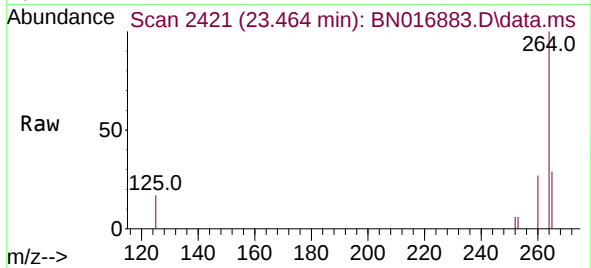
Tgt Ion:149 Resp: 169658
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.4
279 4.7 3.4 5.2





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.464 min Scan# 2421
Delta R.T. 0.010 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

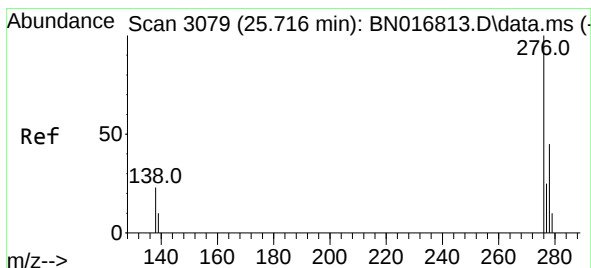
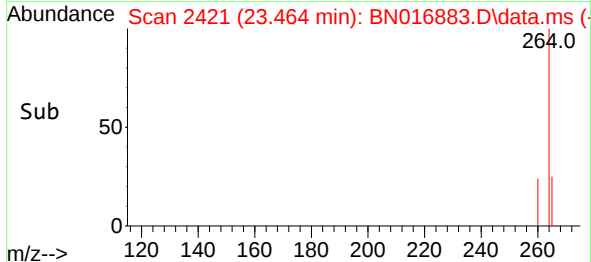
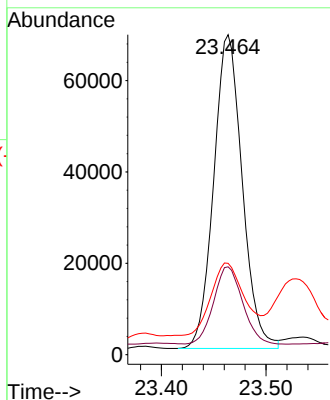
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL



Tgt Ion:264 Resp: 130110
Ion Ratio Lower Upper
264 100
260 27.5 19.8 29.6
265 28.5 20.3 30.5

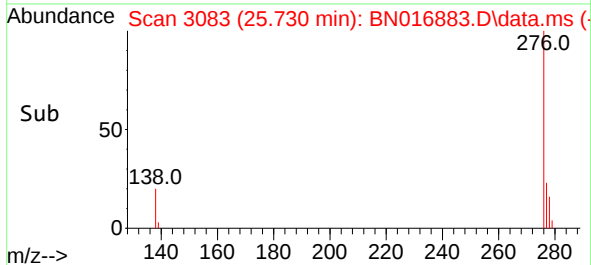
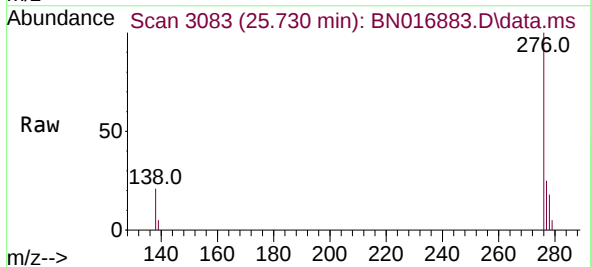
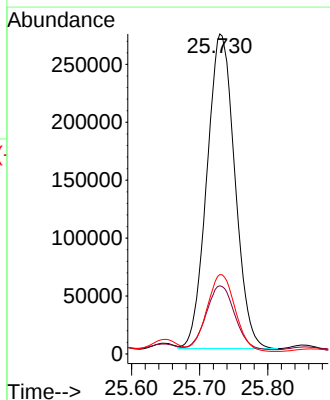
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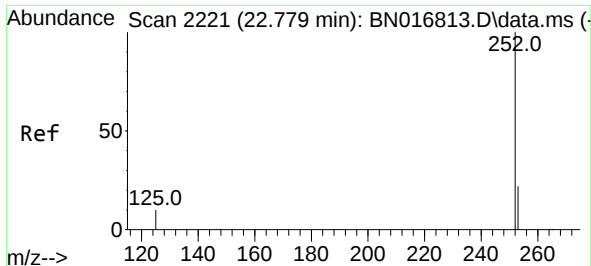
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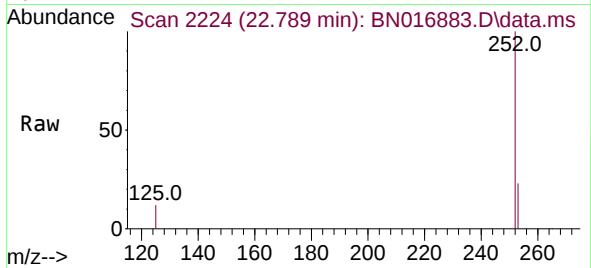
#36
Indeno(1,2,3-cd)pyrene
Concen: 1.571 ng
RT: 25.730 min Scan# 3083
Delta R.T. 0.014 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41

Tgt Ion:276 Resp: 773896
Ion Ratio Lower Upper
276 100
138 20.9 19.2 28.8
277 24.7 20.0 30.0

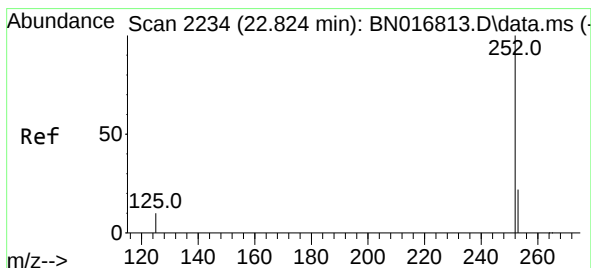
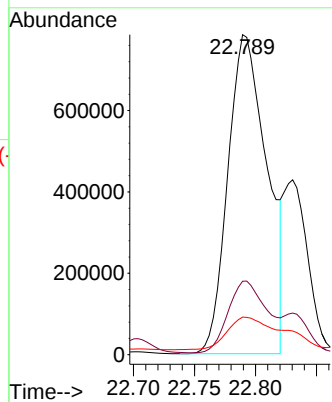
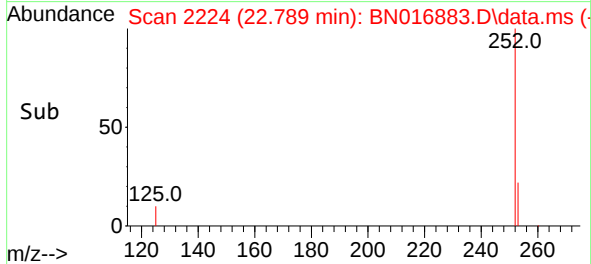




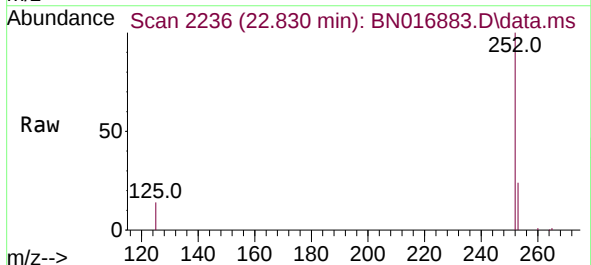
#37
Benzo(b)fluoranthene
Concen: 4.232 ng
RT: 22.789 min Scan# 2224
Delta R.T. 0.010 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



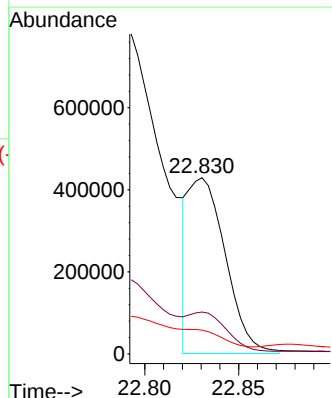
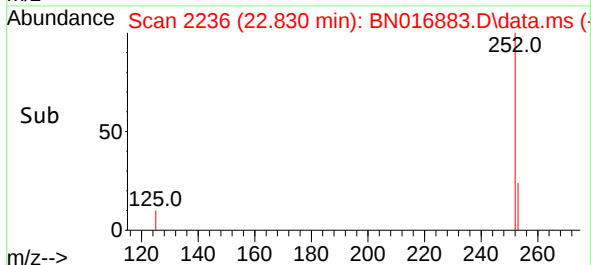
Tgt Ion:252 Resp: 1742939
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.7 8.3 12.5



#38
Benzo(k)fluoranthene
Concen: 1.472 ng m
RT: 22.830 min Scan# 2236
Delta R.T. 0.007 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



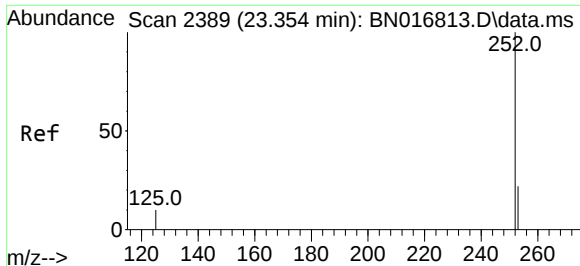
Tgt Ion:252 Resp: 589373
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 13.5 8.5 12.7#



Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL

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#39

Benzo(a)pyrene

Concen: 3.124 ng

RT: 23.364 min Scan# 2392

Delta R.T. 0.010 min

Lab File: BN016883.D

Acq: 11 Oct 2021 13:41

Tgt Ion:252 Resp: 1175758

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

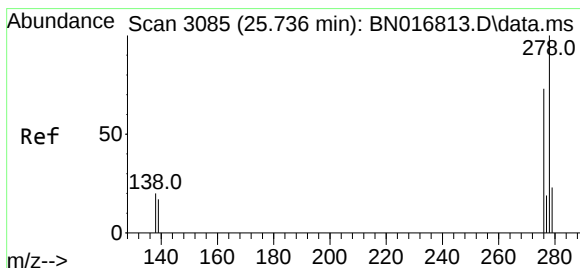
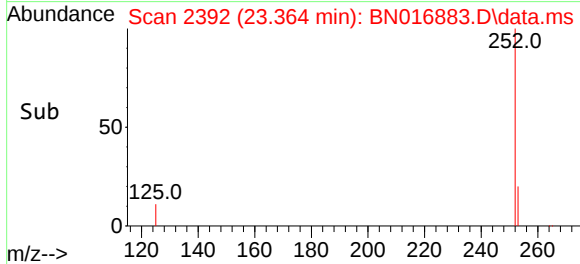
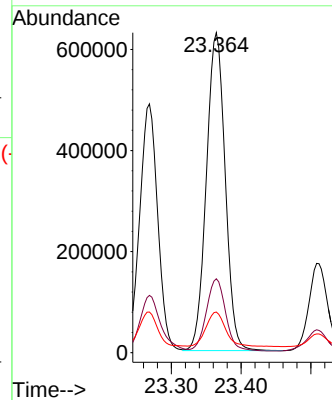
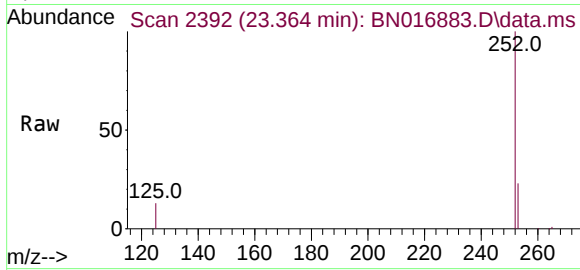
125 12.7 9.4 14.2

Instrument :
BNA_N

ClientSampleId :
S-830-J-SO-2-2.5-092721DL

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#40

Dibenzo(a,h)anthracene

Concen: 0.451 ng

RT: 25.743 min Scan# 3087

Delta R.T. 0.004 min

Lab File: BN016883.D

Acq: 11 Oct 2021 13:41

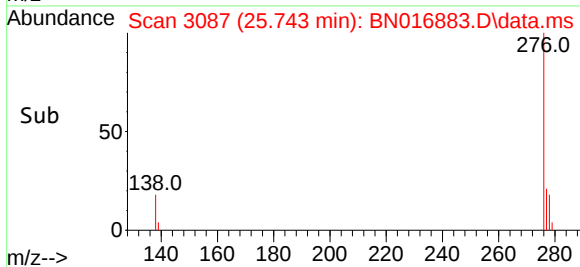
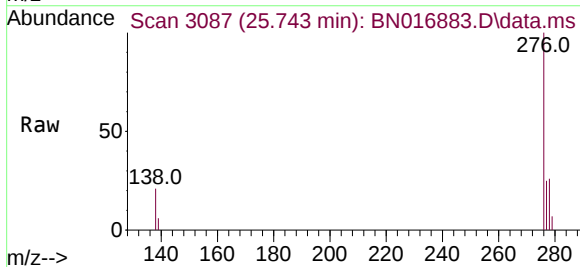
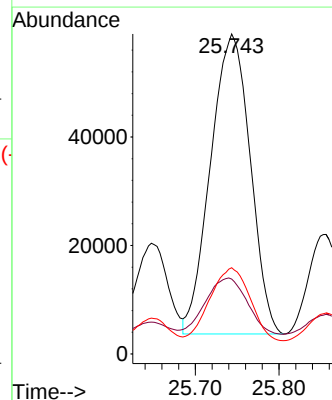
Tgt Ion:278 Resp: 181801

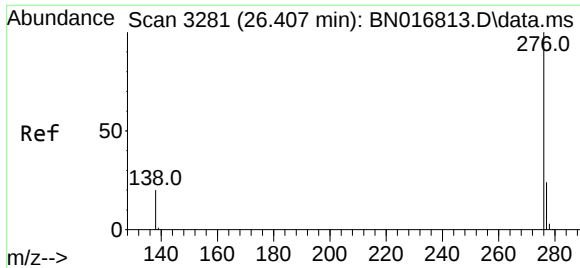
Ion Ratio Lower Upper

278 100

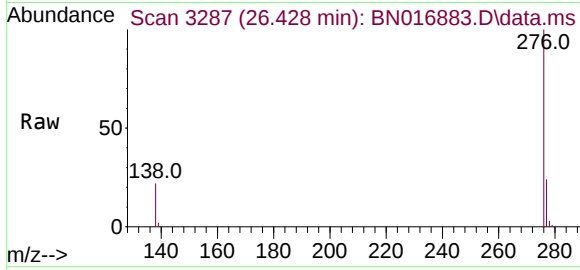
139 23.4 13.1 19.7#

279 26.9 19.3 28.9

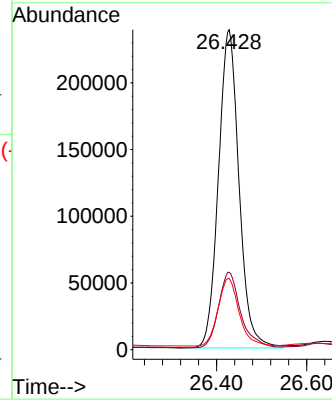
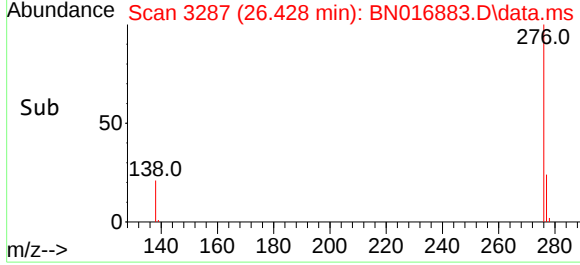




#41
Benzo(g,h,i)perylene
Concen: 1.763 ng
RT: 26.428 min Scan# 3287
Delta R.T. 0.021 min
Lab File: BN016883.D
Acq: 11 Oct 2021 13:41



Tgt Ion: 276 Resp: 755297
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.4
138 22.3 17.0 25.6



Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-2-2.5-092721DL

Manual Integrations
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