

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100821\
 Data File : BN016878.D
 Acq On : 09 Oct 2021 12:48
 Operator : CG/JU
 Sample : M3966-01 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-1-1.5-092721

Quant Time: Oct 11 01:03:16 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)

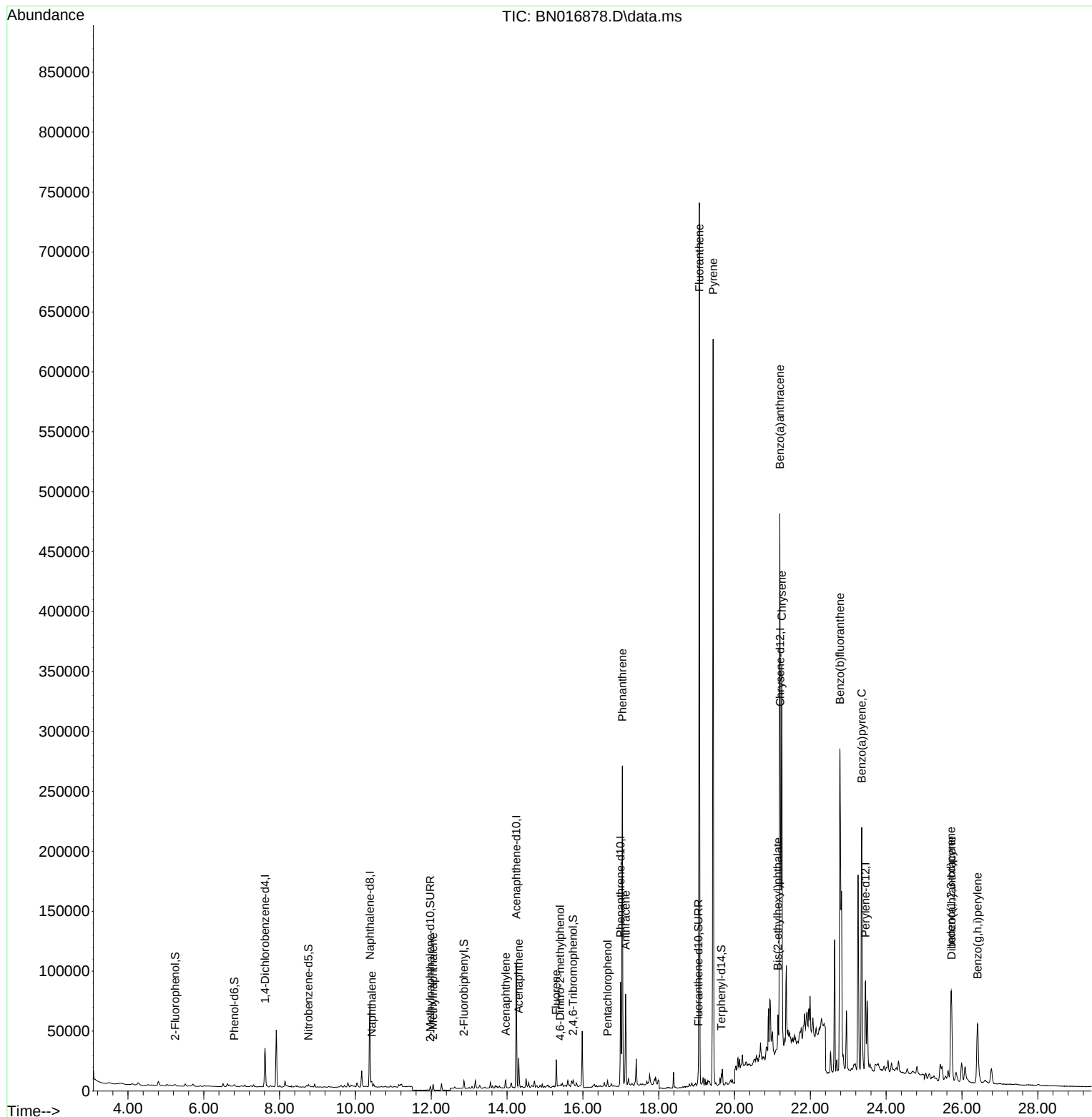
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	19935	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	95167	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	56270	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	117249	0.400	ng	#-0.01
29) Chrysene-d12	21.206	240	119079	0.400	ng	# 0.00
35) Perylene-d12	23.454	264	94265	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	1589	0.032	ng	0.00
5) Phenol-d6	6.803	99	1612	0.028	ng	0.00
8) Nitrobenzene-d5	8.759	82	2130	0.032	ng	0.00
11) 2-Methylnaphthalene-d10	11.976	152	4213	0.030	ng	0.00
14) 2,4,6-Tribromophenol	15.741	330	975	0.033	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	5593	0.025	ng	-0.01
27) Fluoranthene-d10	19.043	212	9769	0.030	ng	0.00
31) Terphenyl-d14	19.654	244	8566	0.033	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.432	128	6221	0.024	ng	# 92
12) 2-Methylnaphthalene	12.047	142	3540	0.021	ng	# 97
16) Acenaphthylene	13.964	152	7221	0.029	ng	94
17) Acenaphthene	14.307	154	11189	0.068	ng	99
18) Fluorene	15.296	166	14282	0.071	ng	97
20) 4,6-Dinitro-2-methylph...	15.398	198	4	0.207	ng	# 1
24) Pentachlorophenol	16.653	266	720	0.122	ng	99
25) Phenanthrene	17.042	178	271989	0.781	ng	100
26) Anthracene	17.127	178	76492	0.247	ng	97
28) Fluoranthene	19.073	202	664126	1.698	ng	100
30) Pyrene	19.435	202	558298	1.525	ng	# 94
32) Benzo(a)anthracene	21.196	228	377148	1.024	ng	98
33) Chrysene	21.249	228	316638	0.844	ng	95
34) Bis(2-ethylhexyl)phtha...	21.143	149	25859	0.138	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.713	276	118515	0.332	ng	99
37) Benzo(b)fluoranthene	22.779	252	448540	1.503	ng	# 96
39) Benzo(a)pyrene	23.354	252	283339	1.039	ng	# 96
40) Dibenzo(a,h)anthracene	25.727	278	31346	0.107	ng	# 62
41) Benzo(g,h,i)perylene	26.408	276	105327	0.339	ng	94

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

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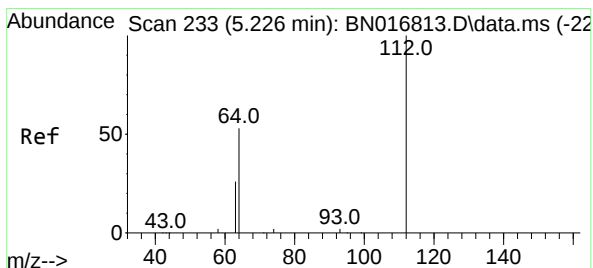
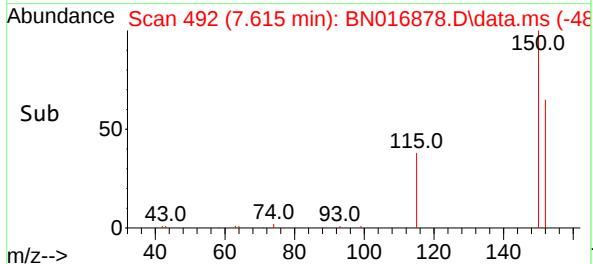
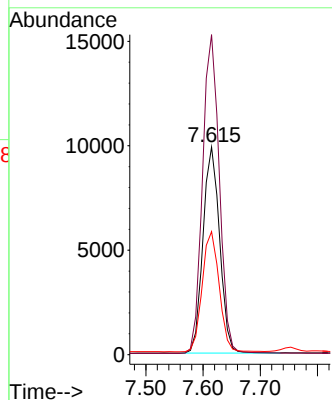
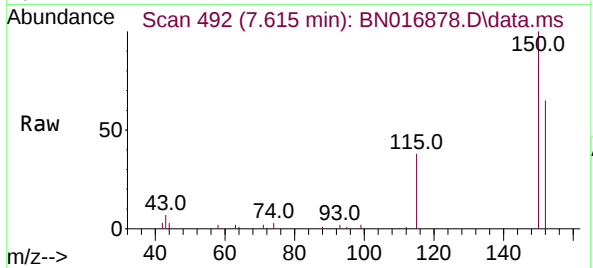




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

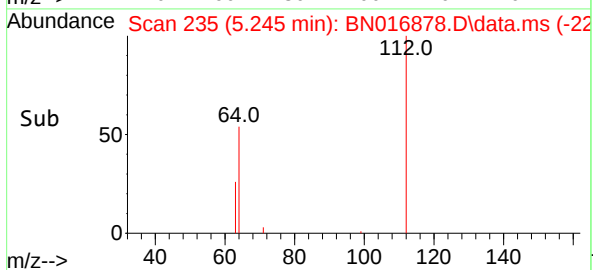
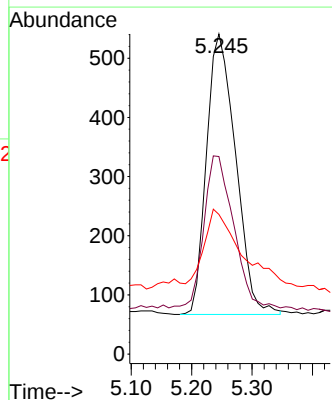
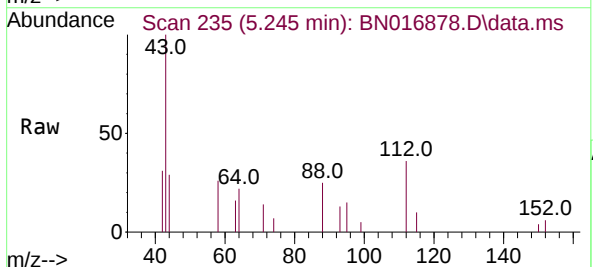
Instrument :
BNA_N
ClientSampleId :
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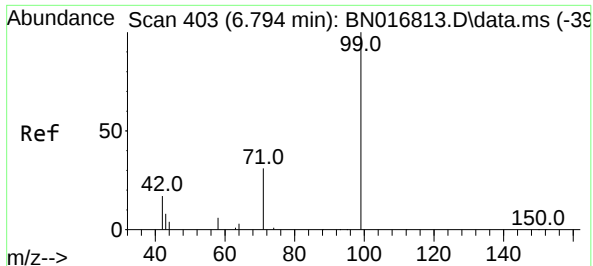
Tgt Ion:152 Resp: 19935
Ion Ratio Lower Upper
152 100
150 154.1 123.3 184.9
115 59.2 47.0 70.6



#4
2-Fluorophenol
Concen: 0.032 ng
RT: 5.245 min Scan# 235
Delta R.T. 0.010 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:112 Resp: 1589
Ion Ratio Lower Upper
112 100
64 54.8 42.9 64.3
63 31.2 21.5 32.3

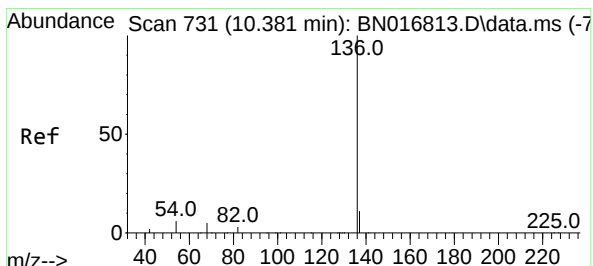
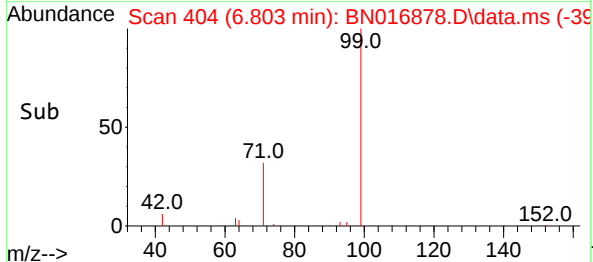
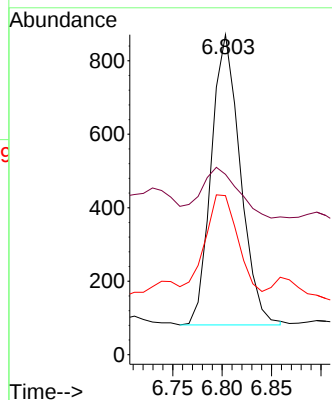
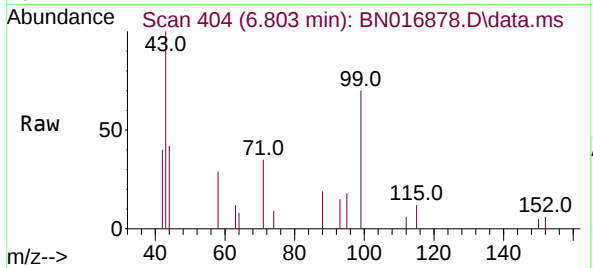




#5
Phenol-d6
Concen: 0.028 ng
RT: 6.803 min Scan# 404
Delta R.T. 0.010 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

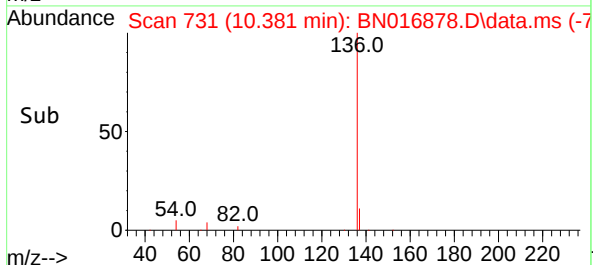
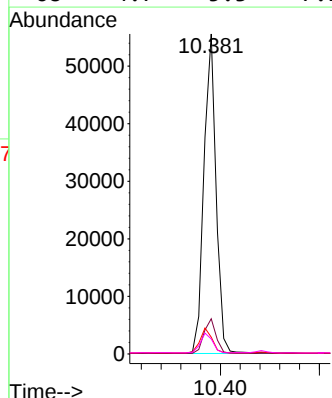
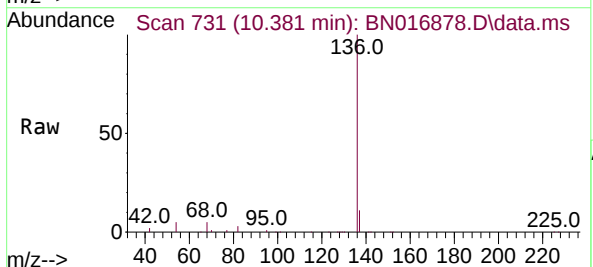
Instrument :
BNA_N
ClientSampleId :
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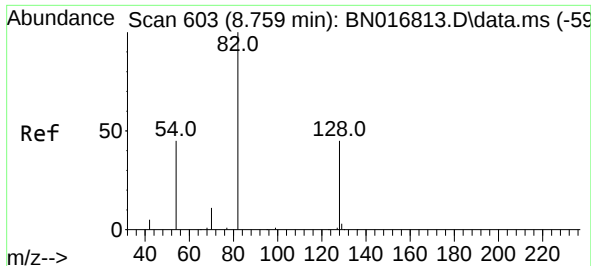
Tgt Ion: 99 Resp: 1612
Ion Ratio Lower Upper
99 100
42 22.1 13.4 20.2#
71 36.6 24.0 36.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion: 136 Resp: 95167
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 5.3 6.5 9.7#
68 4.7 5.3 7.9#

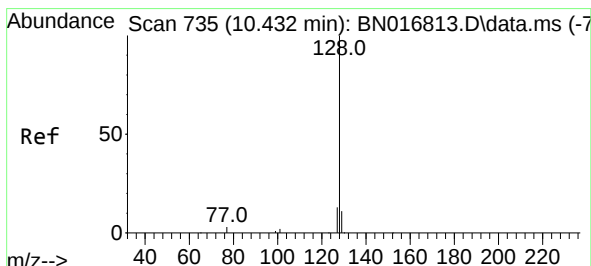
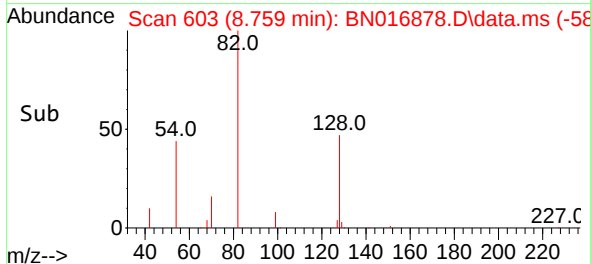
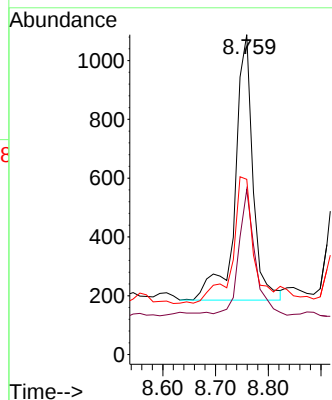
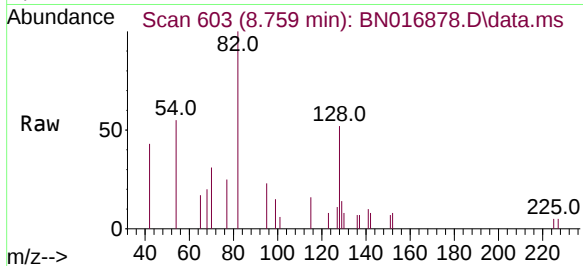




#8
Nitrobenzene-d5
Concen: 0.032 ng
RT: 8.759 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

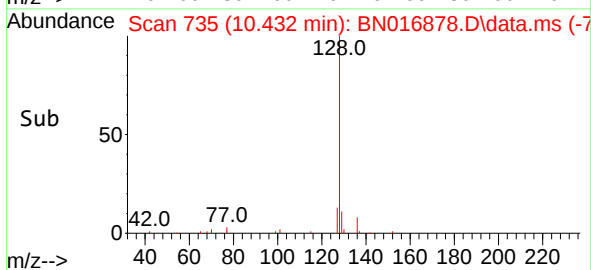
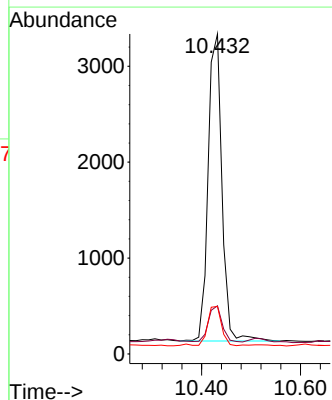
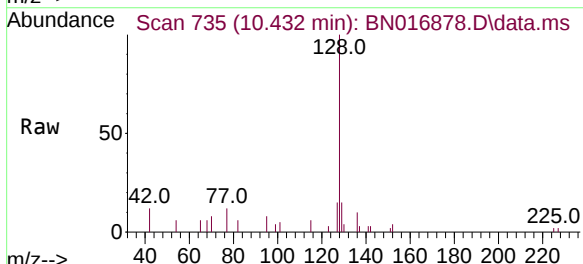
Instrument :
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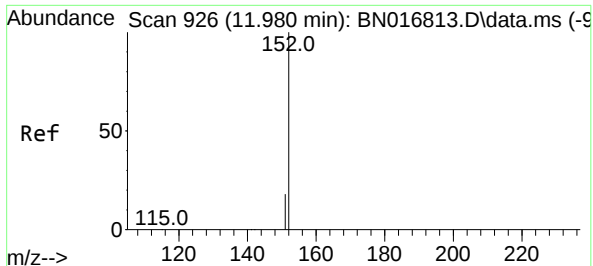
Tgt Ion: 82 Resp: 2130
Ion Ratio Lower Upper
82 100
128 51.6 33.8 50.6#
54 54.8 38.5 57.7



#9
Naphthalene
Concen: 0.024 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016878.D
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Tgt Ion: 128 Resp: 6221
Ion Ratio Lower Upper
128 100
129 15.0 8.7 13.1#
127 14.9 10.3 15.5

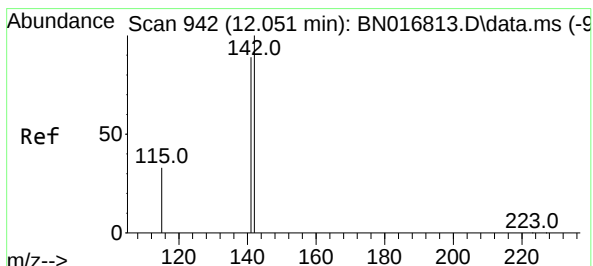
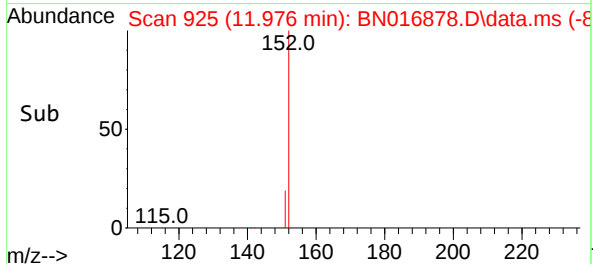
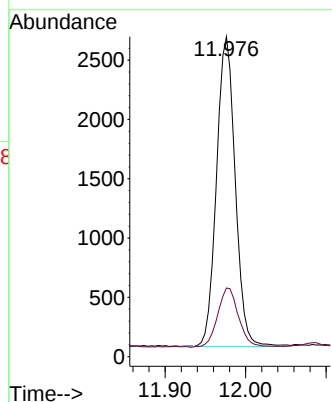
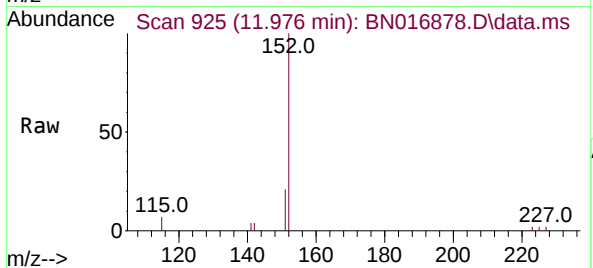




#11
2-Methylnaphthalene-d10
Concen: 0.030 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

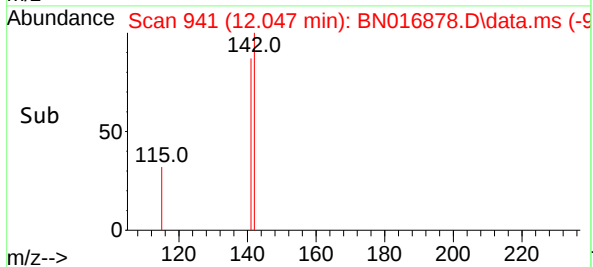
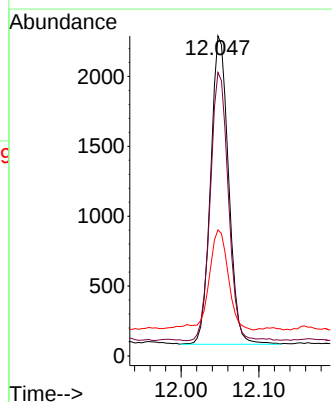
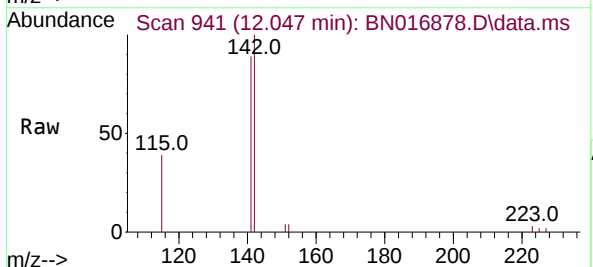
Instrument :
BNA_N
ClientSampleId :
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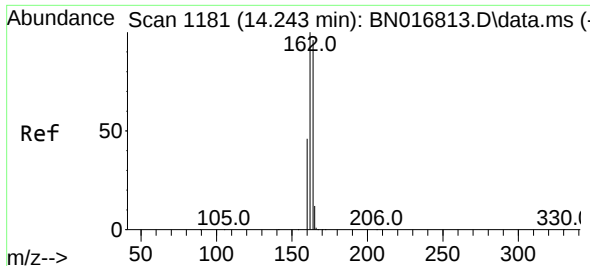
Tgt Ion:152 Resp: 4213
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.004 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

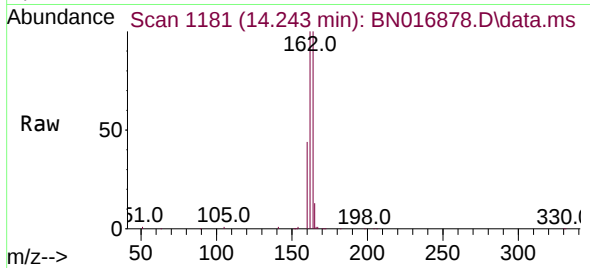
Tgt Ion:142 Resp: 3540
Ion Ratio Lower Upper
142 100
141 88.6 70.6 106.0
115 39.4 26.1 39.1#



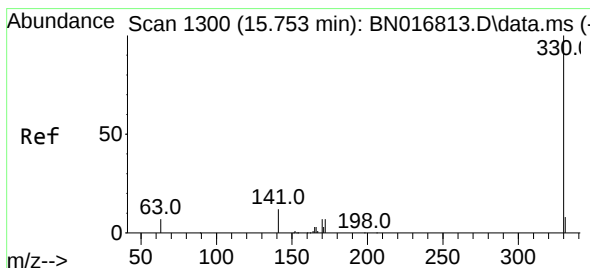
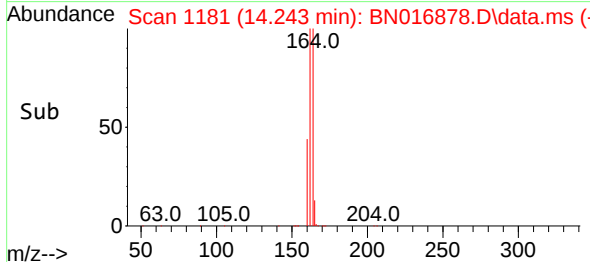
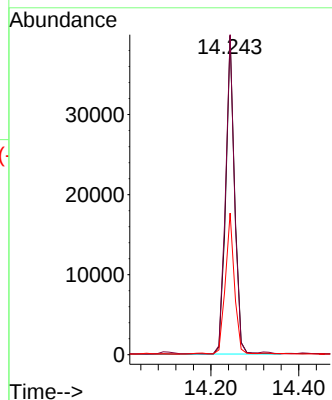


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016878.D
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ClientSampleId :
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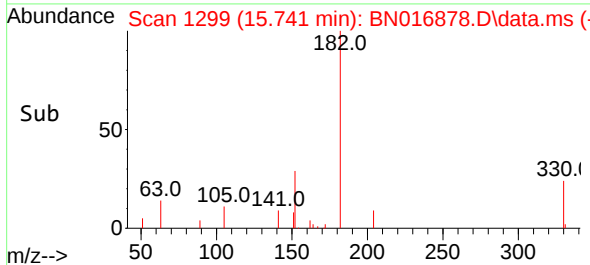
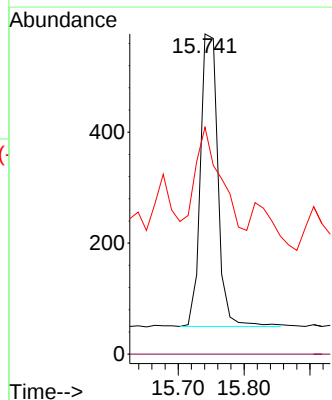
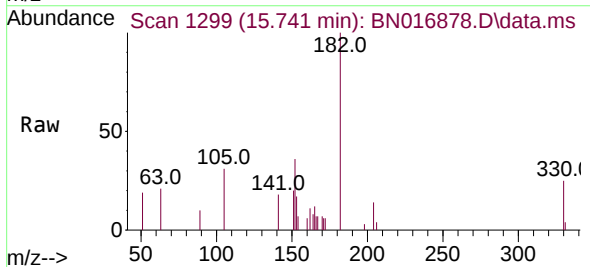


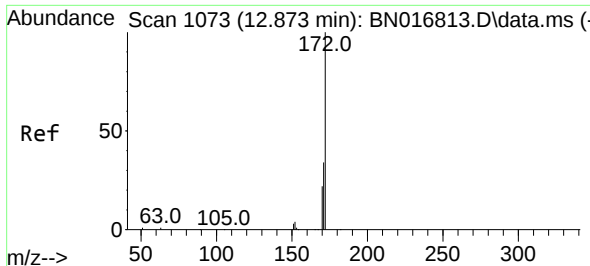
Tgt Ion:164 Resp: 56270
Ion Ratio Lower Upper
164 100
162 100.3 82.6 124.0
160 44.4 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.033 ng
RT: 15.741 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:330 Resp: 975
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 48.6 24.2 36.2#

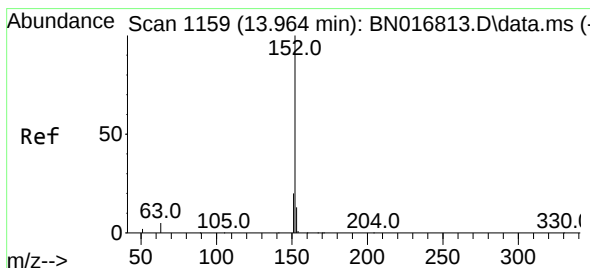
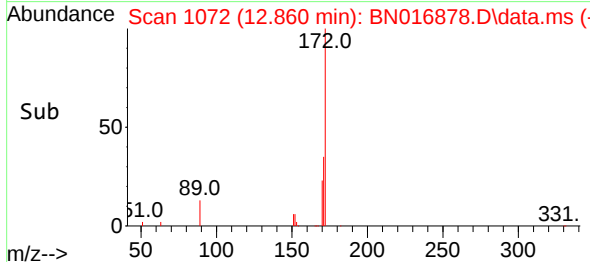
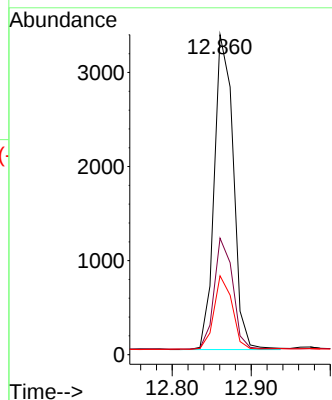
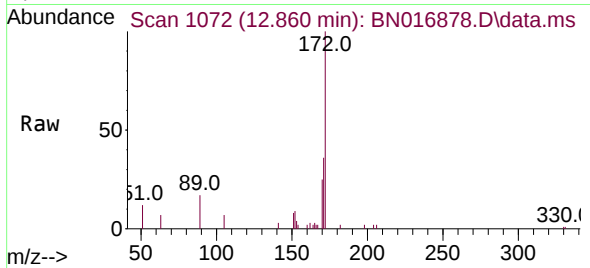




#15
2-Fluorobiphenyl
Concen: 0.025 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.012 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

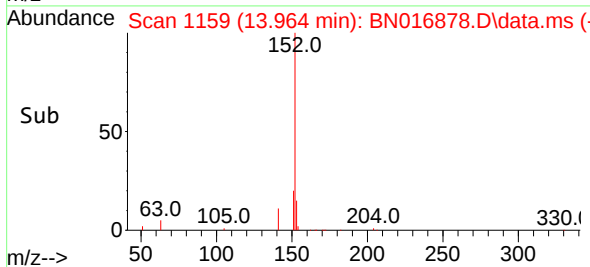
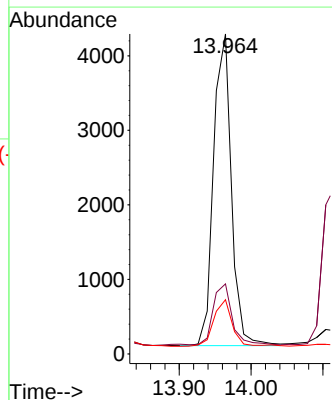
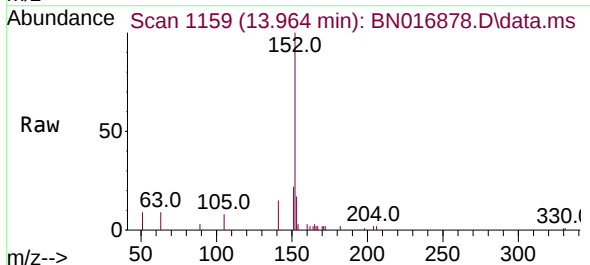
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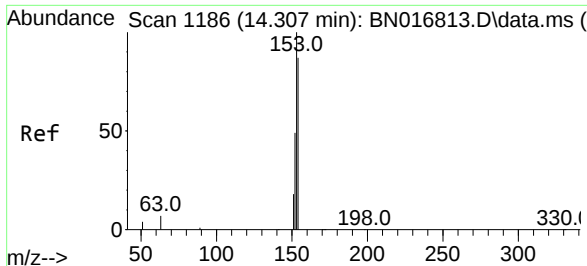
Tgt Ion:	172	Resp:	5593
Ion Ratio	Lower	Upper	
172	100		
171	36.4	26.9	40.3
170	24.6	17.4	26.0



#16
Acenaphthylene
Concen: 0.029 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016878.D
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Tgt Ion:	152	Resp:	7221
Ion Ratio	Lower	Upper	
152	100		
151	21.8	15.5	23.3
153	15.5	10.4	15.6

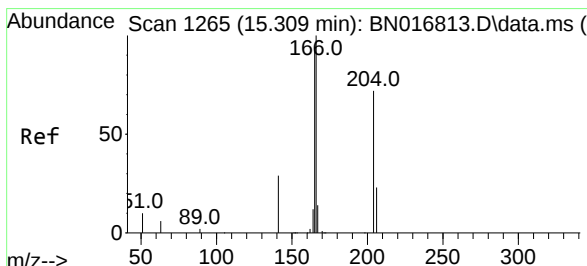
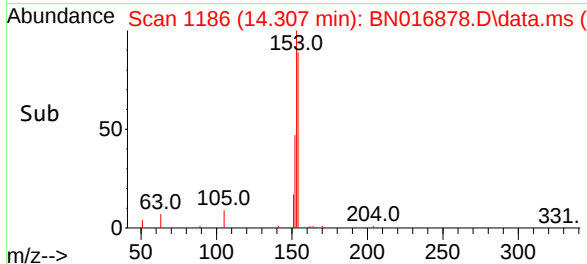
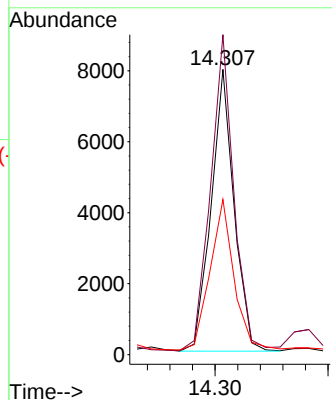
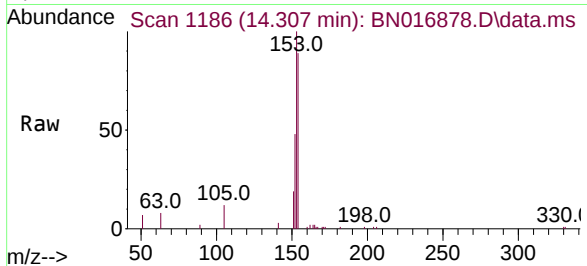




#17
Acenaphthene
Concen: 0.068 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

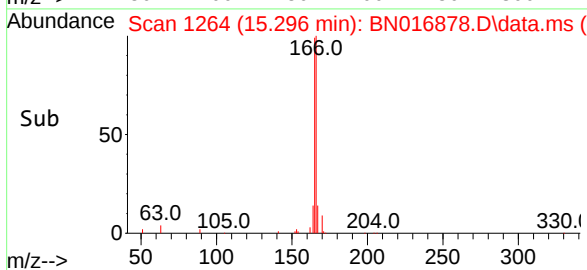
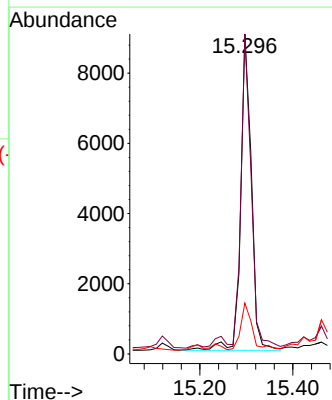
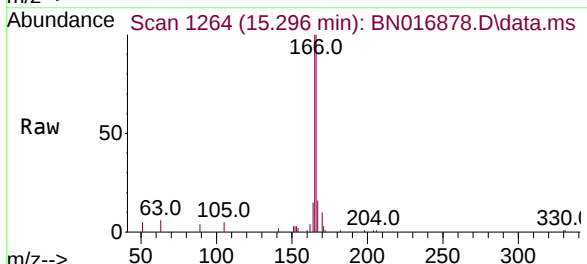
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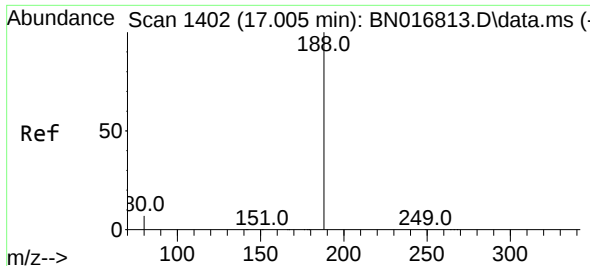
Tgt Ion:154 Resp: 11189
Ion Ratio Lower Upper
154 100
153 112.6 90.1 135.1
152 56.7 43.6 65.4



#18
Fluorene
Concen: 0.071 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:166 Resp: 14282
Ion Ratio Lower Upper
166 100
165 100.3 78.1 117.1
167 15.5 10.7 16.1

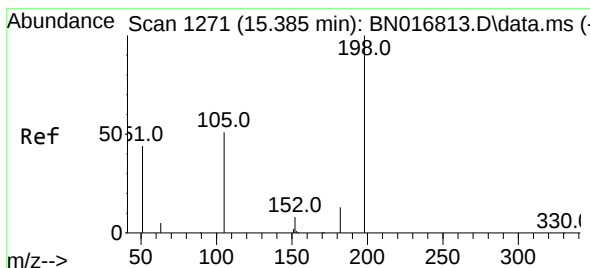
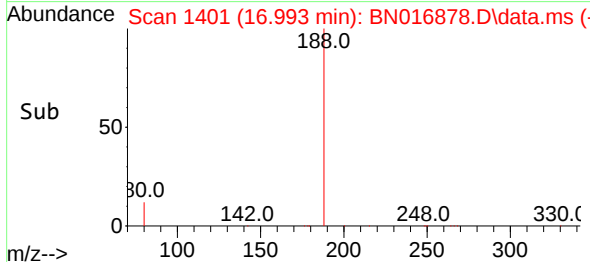
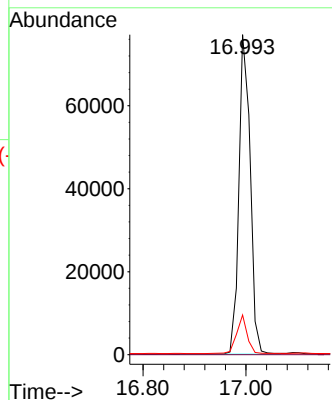
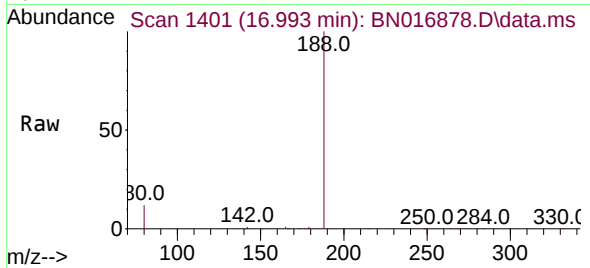




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

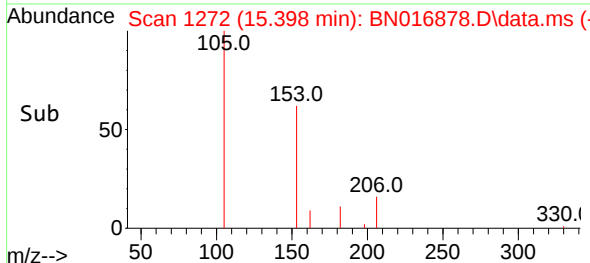
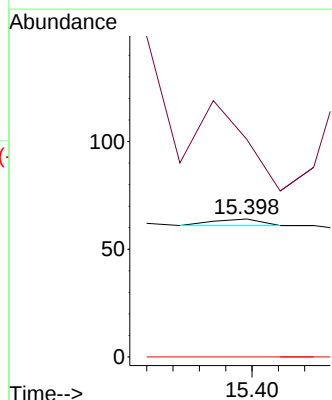
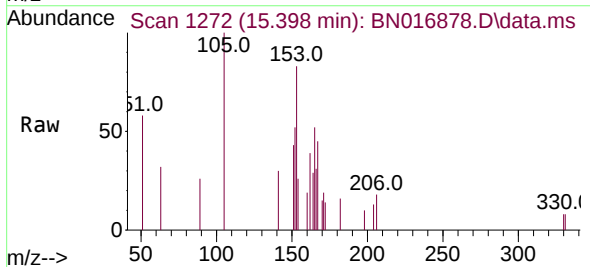
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-1-1.5-092721

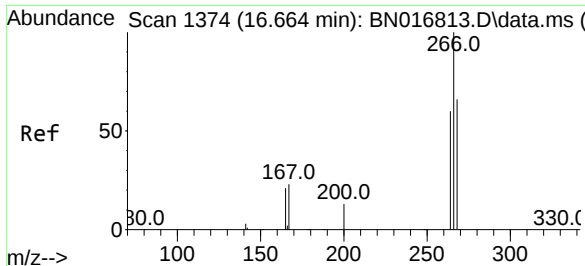
Tgt Ion:188 Resp: 117249
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.8 8.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.207 ng
RT: 15.398 min Scan# 1272
Delta R.T. 0.013 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
182 157.8 26.2 39.2#
77 0.0 0.0 0.0

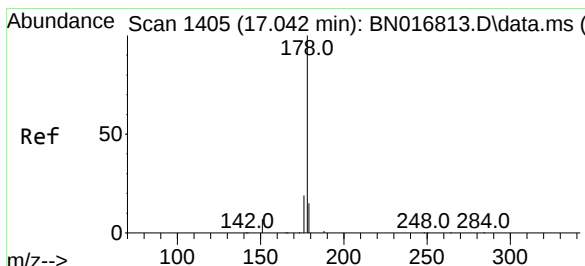
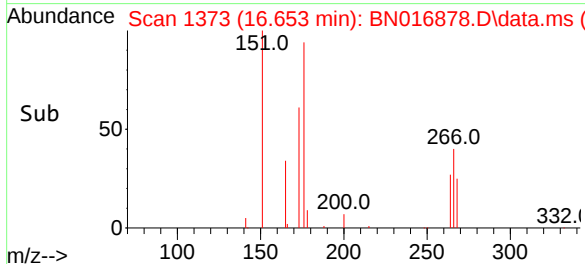
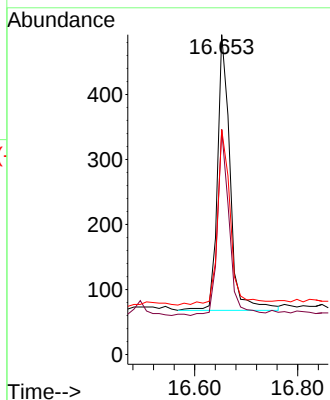
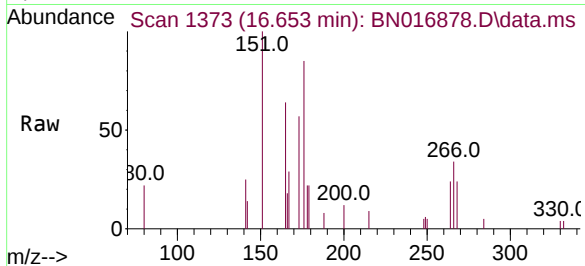




#24
 Pentachlorophenol
 Concen: 0.122 ng
 RT: 16.653 min Scan# 1373
 Delta R.T. 0.000 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

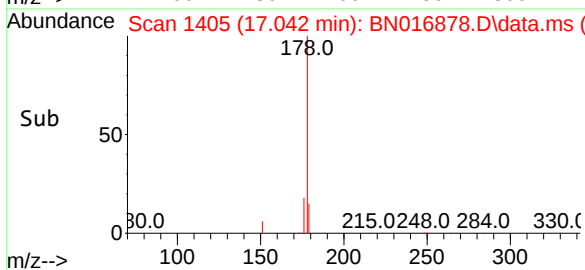
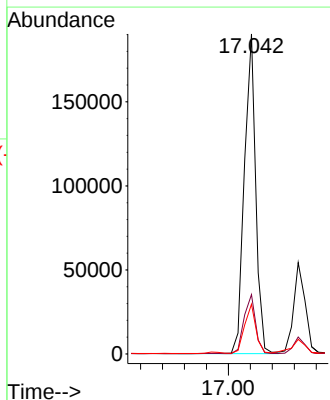
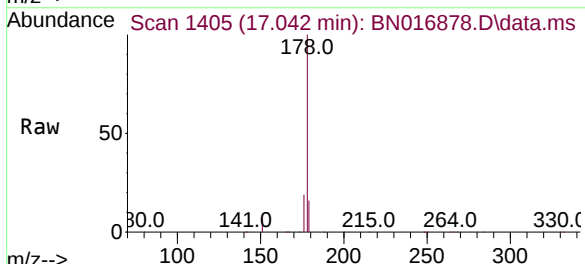
Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-1-1.5-092721

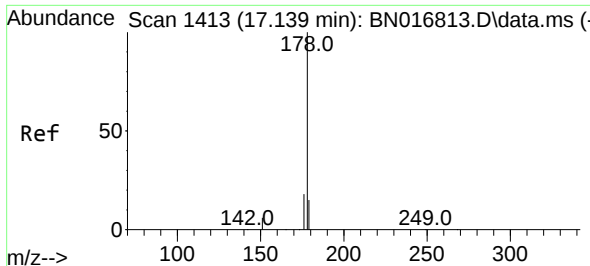
Tgt Ion:	266	Resp:	720
Ion Ratio	Lower	Upper	
266	100		
264	62.9	49.3	73.9
268	65.0	51.8	77.8



#25
 Phenanthrene
 Concen: 0.781 ng
 RT: 17.042 min Scan# 1405
 Delta R.T. 0.000 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

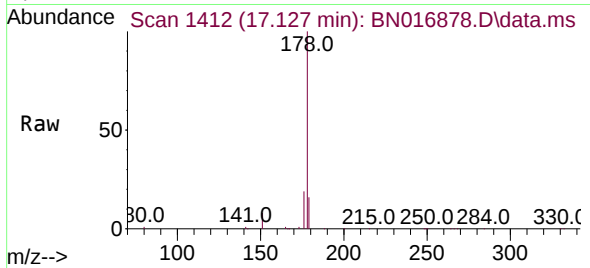
Tgt Ion:	178	Resp:	271989
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.6
179	15.2	12.4	18.6





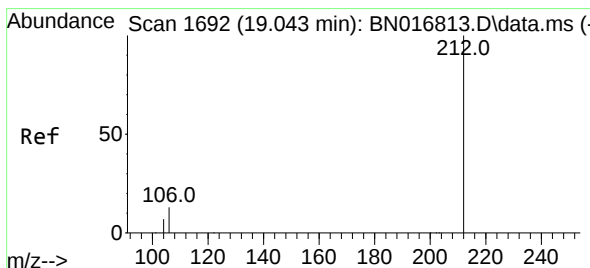
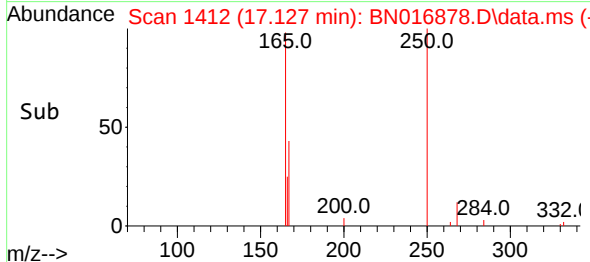
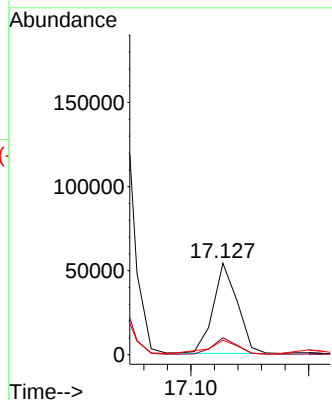
#26
 Anthracene
 Concen: 0.247 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. 0.000 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-1-1.5-092721



Tgt Ion:178 Resp: 76492

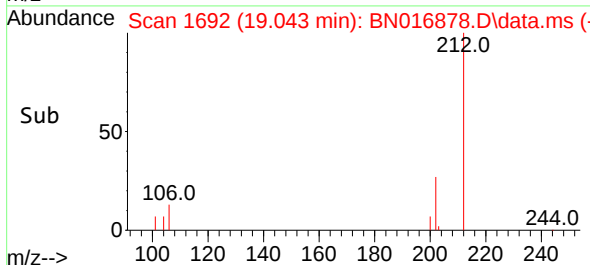
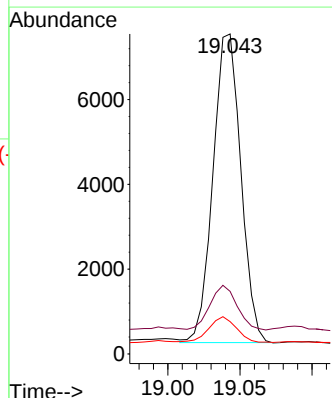
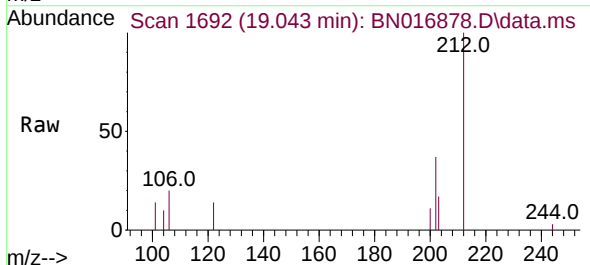
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	18.3	12.2	18.4

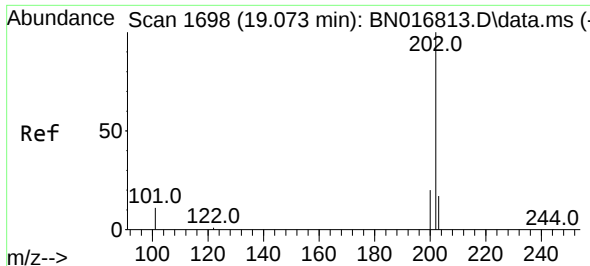


#27
 Fluoranthene-d10
 Concen: 0.030 ng
 RT: 19.043 min Scan# 1692
 Delta R.T. 0.000 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

Tgt Ion:212 Resp: 9769

Ion	Ratio	Lower	Upper
212	100		
106	15.3	10.6	16.0
104	8.4	5.8	8.8

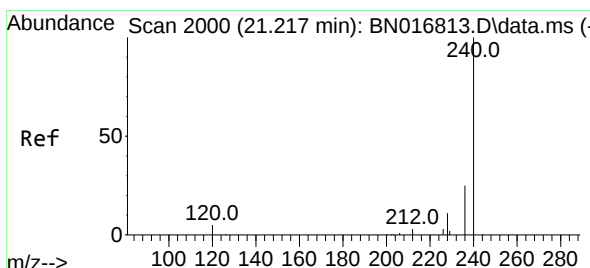
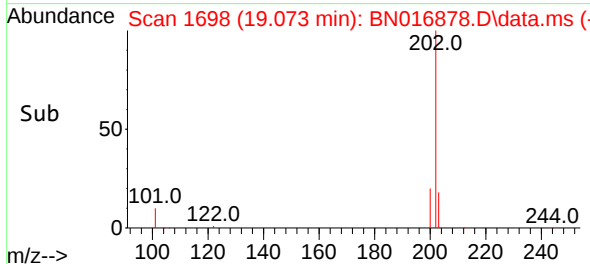
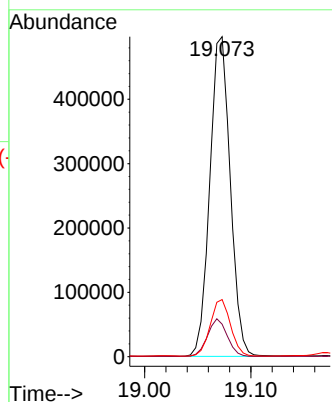
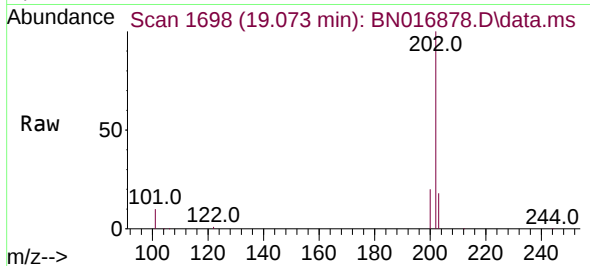




#28
Fluoranthene
Concen: 1.698 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

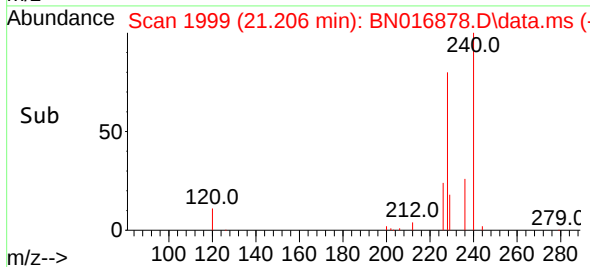
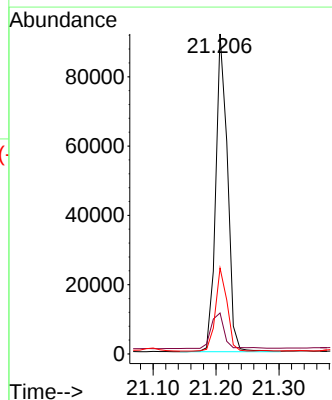
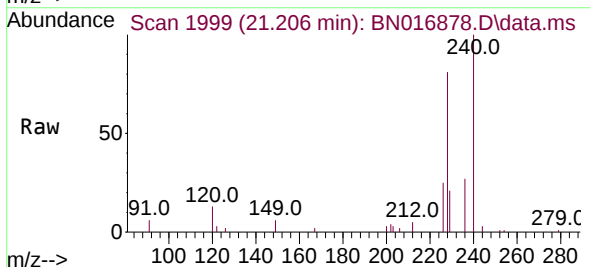
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-1-1.5-092721

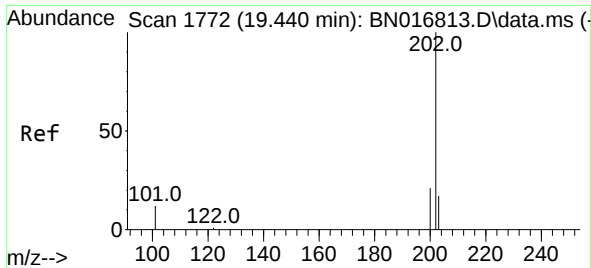
Tgt Ion:202 Resp: 664126
Ion Ratio Lower Upper
202 100
101 11.3 8.9 13.3
203 17.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.206 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:240 Resp: 119079
Ion Ratio Lower Upper
240 100
120 12.8 6.6 10.0#
236 26.9 20.7 31.1

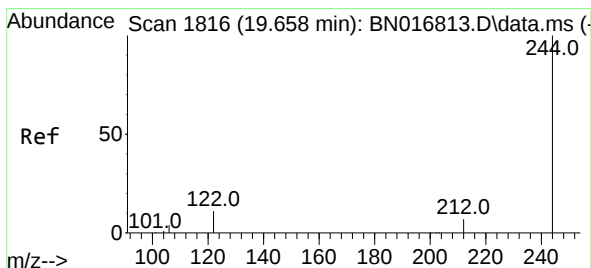
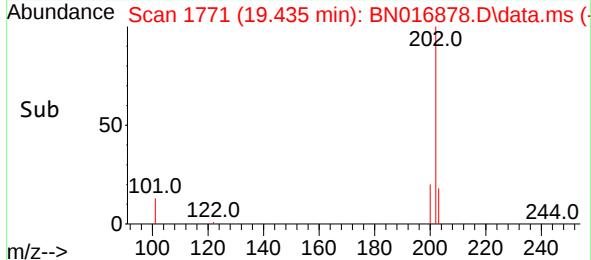
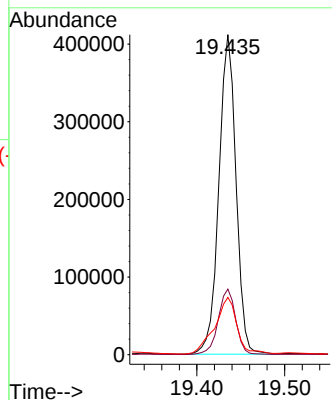
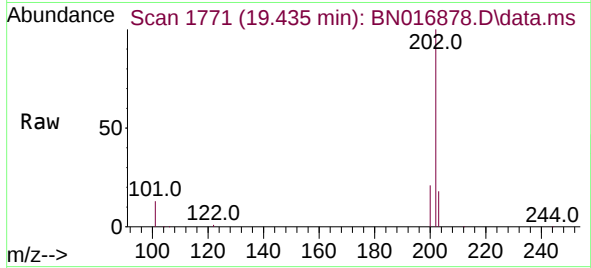




#30
Pyrene
Concen: 1.525 ng
RT: 19.435 min Scan# 1771
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

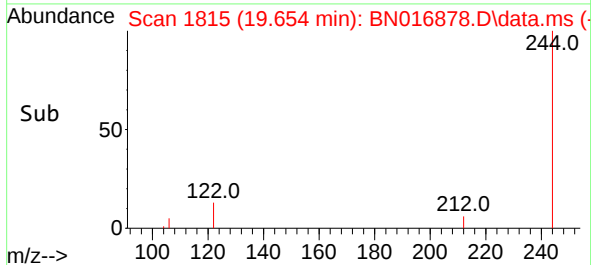
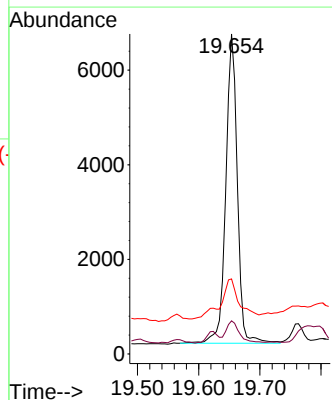
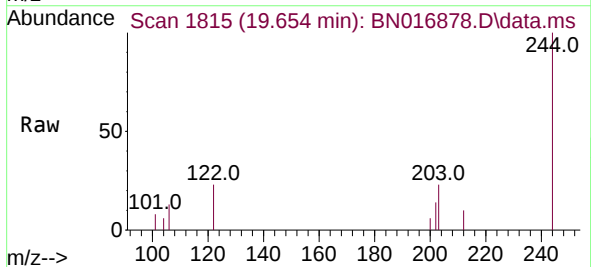
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-1-1.5-092721

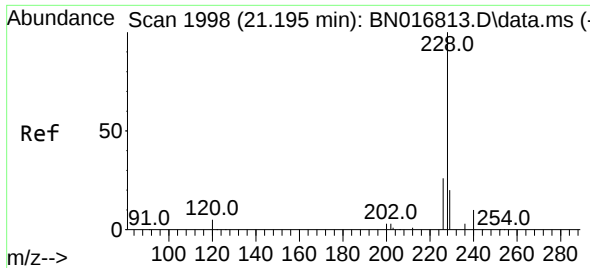
Tgt Ion:202 Resp: 558298
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 22.7 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.033 ng
RT: 19.654 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:244 Resp: 8566
Ion Ratio Lower Upper
244 100
212 10.4 5.8 8.6#
122 23.5 8.9 13.3#

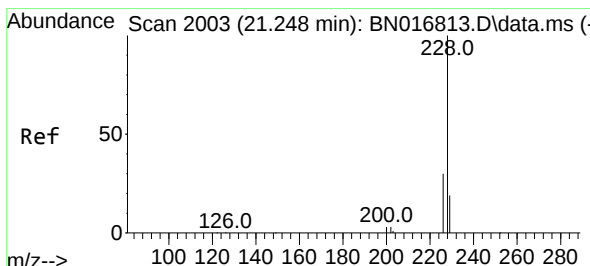
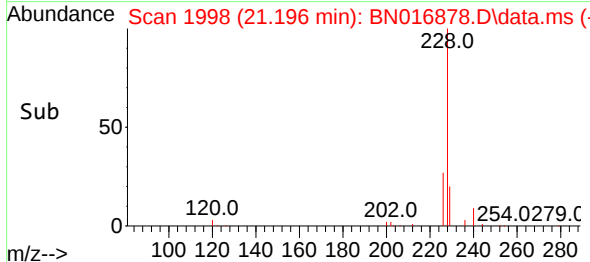
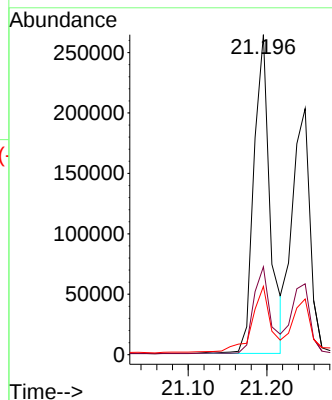
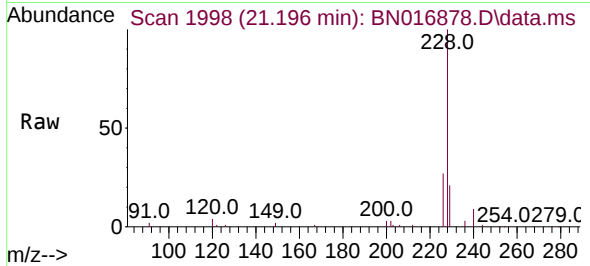




#32
Benzo(a)anthracene
Concen: 1.024 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

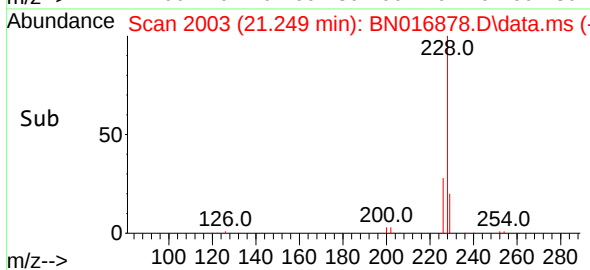
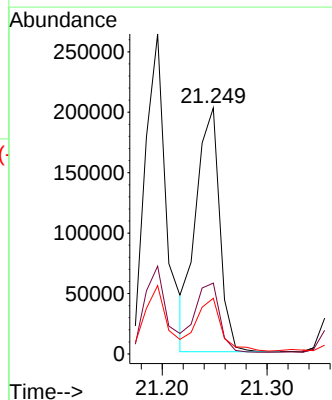
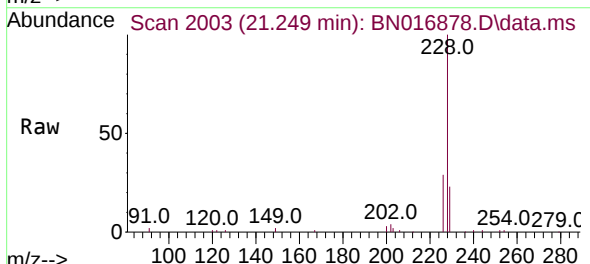
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-1-1.5-092721

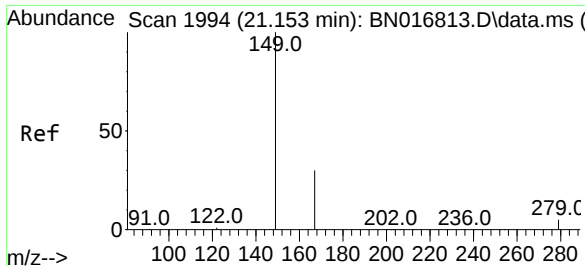
Tgt Ion:228 Resp: 377148
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 21.3 15.4 23.0



#33
Chrysene
Concen: 0.844 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:228 Resp: 316638
Ion Ratio Lower Upper
228 100
226 28.8 24.2 36.4
229 22.6 15.4 23.0

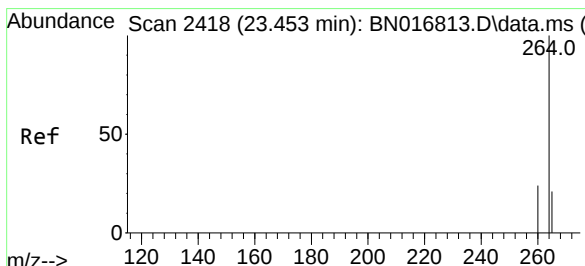
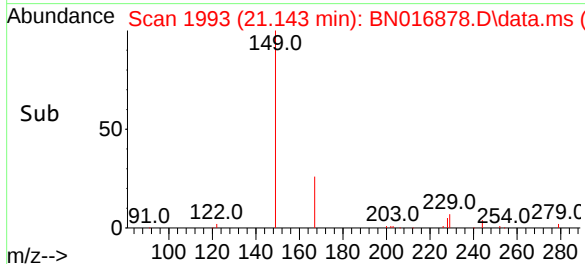
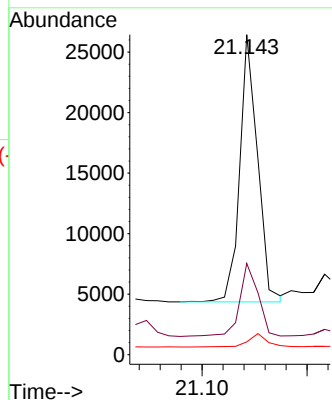
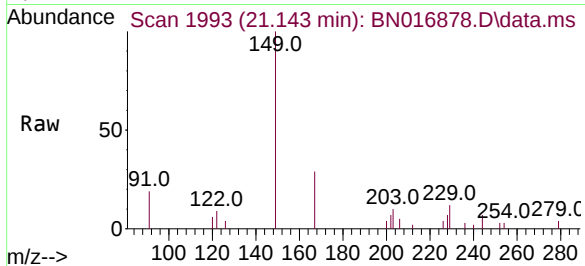




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.138 ng
RT: 21.143 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

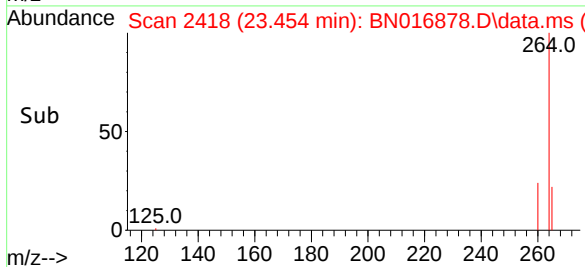
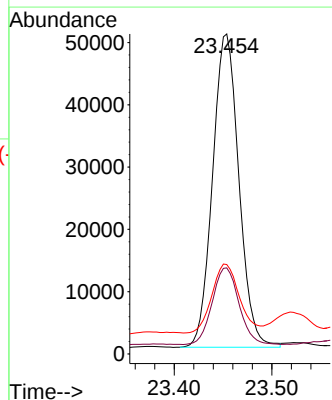
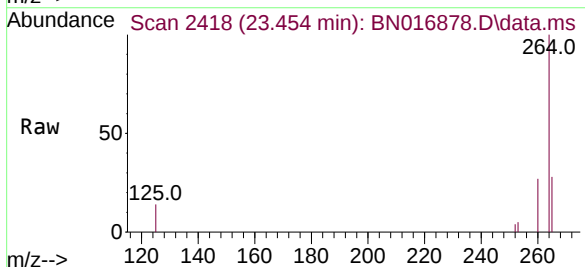
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-1-1.5-092721

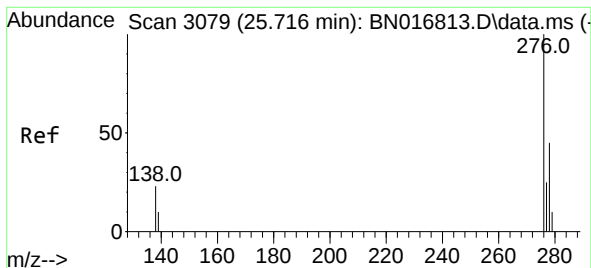
Tgt Ion:149 Resp: 25859
Ion Ratio Lower Upper
149 100
167 28.7 22.2 33.4
279 5.5 3.4 5.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.454 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BN016878.D
Acq: 09 Oct 2021 12:48

Tgt Ion:264 Resp: 94265
Ion Ratio Lower Upper
264 100
260 26.9 19.8 29.6
265 28.0 20.3 30.5

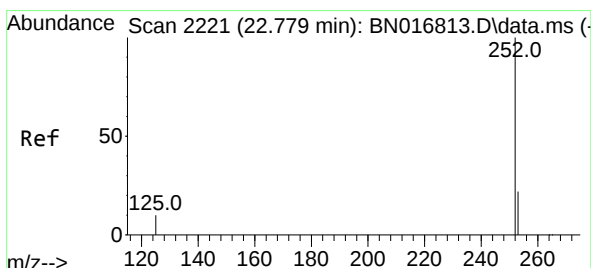
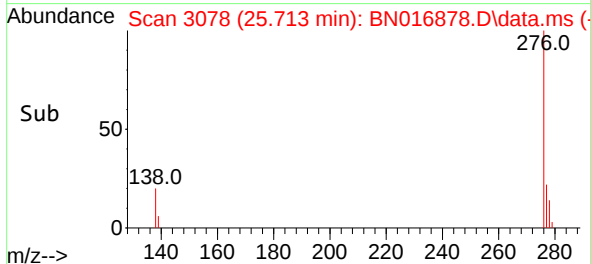
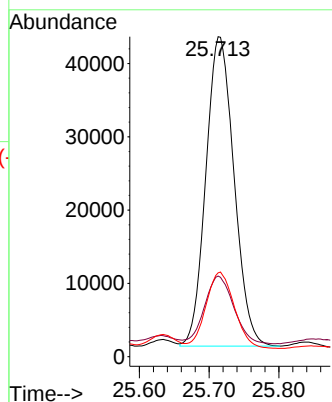
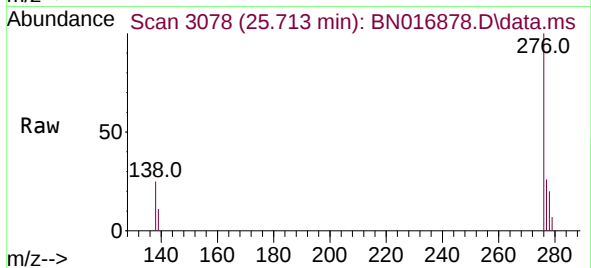




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.332 ng
 RT: 25.713 min Scan# 3078
 Delta R.T. -0.003 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

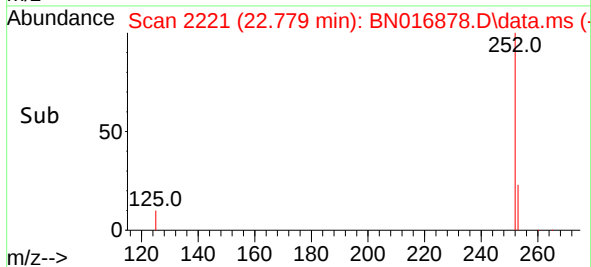
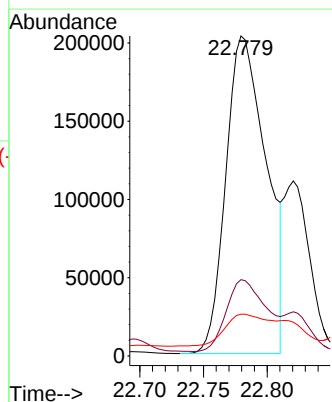
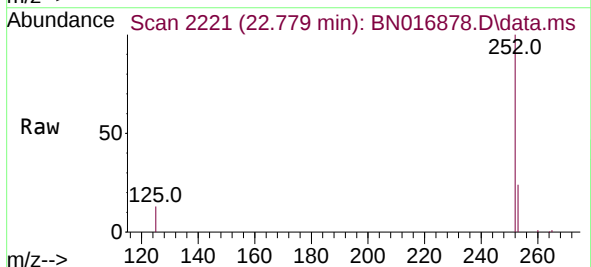
Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-1-1.5-092721

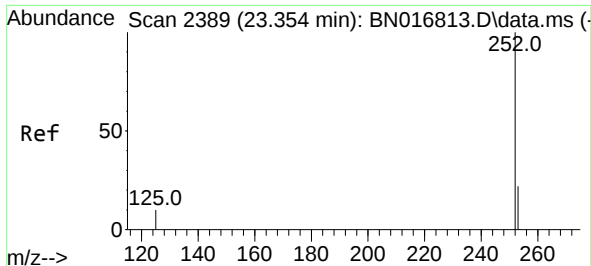
Tgt Ion:276 Resp: 118515
 Ion Ratio Lower Upper
 276 100
 138 22.6 19.2 28.8
 277 24.9 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 1.503 ng
 RT: 22.779 min Scan# 2221
 Delta R.T. 0.000 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

Tgt Ion:252 Resp: 448540
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.8 26.8
 125 13.1 8.3 12.5#





#39

Benzo(a)pyrene

Concen: 1.039 ng

RT: 23.354 min Scan# 2389

Delta R.T. 0.000 min

Lab File: BN016878.D

Acq: 09 Oct 2021 12:48

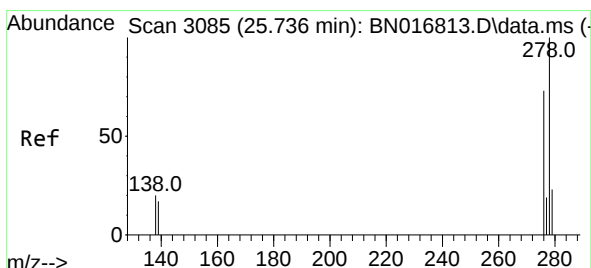
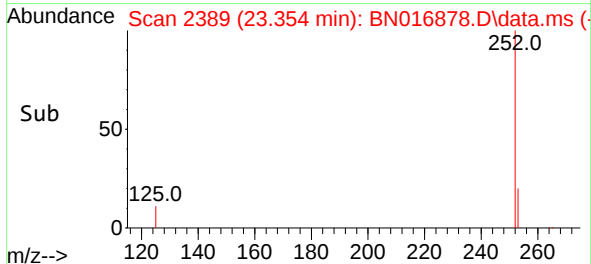
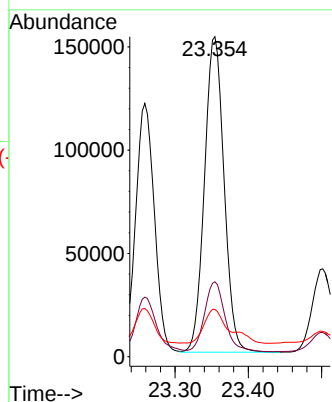
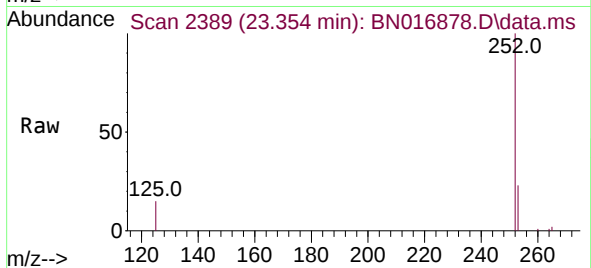
Instrument :

BNA_N

ClientSampleId :

S-831-J-SO-1-1.5-092721

Tgt Ion:252	Resp:	283339
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.9 26.9
125	14.8	9.4 14.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.107 ng

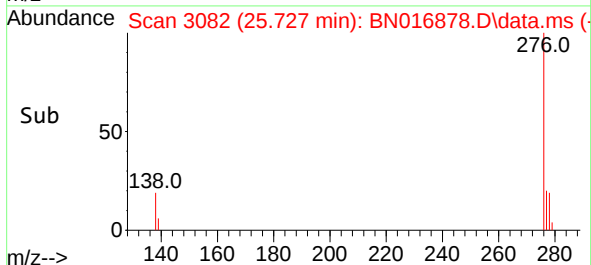
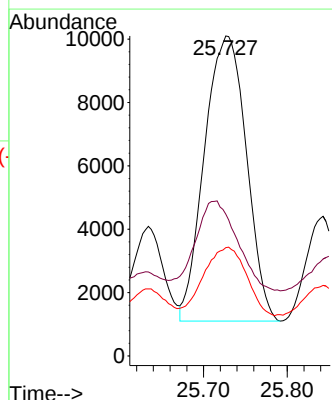
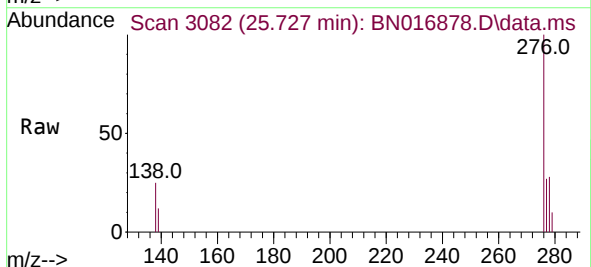
RT: 25.727 min Scan# 3082

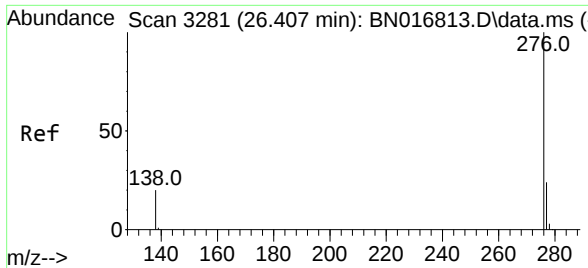
Delta R.T. -0.013 min

Lab File: BN016878.D

Acq: 09 Oct 2021 12:48

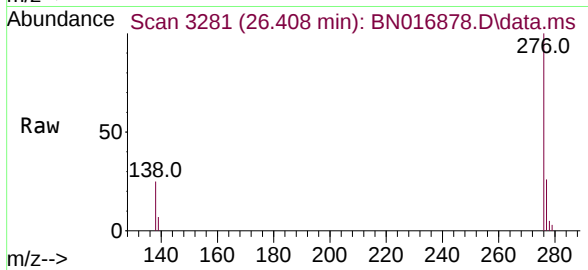
Tgt Ion:278	Resp:	31346
Ion Ratio	Lower	Upper
278	100	
139	44.3	13.1 19.7#
279	33.8	19.3 28.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.339 ng
 RT: 26.408 min Scan# 3281
 Delta R.T. 0.000 min
 Lab File: BN016878.D
 Acq: 09 Oct 2021 12:48

Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-1-1.5-092721



Tgt Ion:276 Resp: 105327
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.0 28.4
 138 25.0 17.0 25.6

