

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100421\
 Data File : BN016773.D
 Acq On : 06 Oct 2021 10:31
 Operator : CG/JU
 Sample : M3892-02 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-1-1.5-092221-FD

Quant Time: Oct 06 11:10:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 04 17:52:33 2021
 Response via : Initial Calibration

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

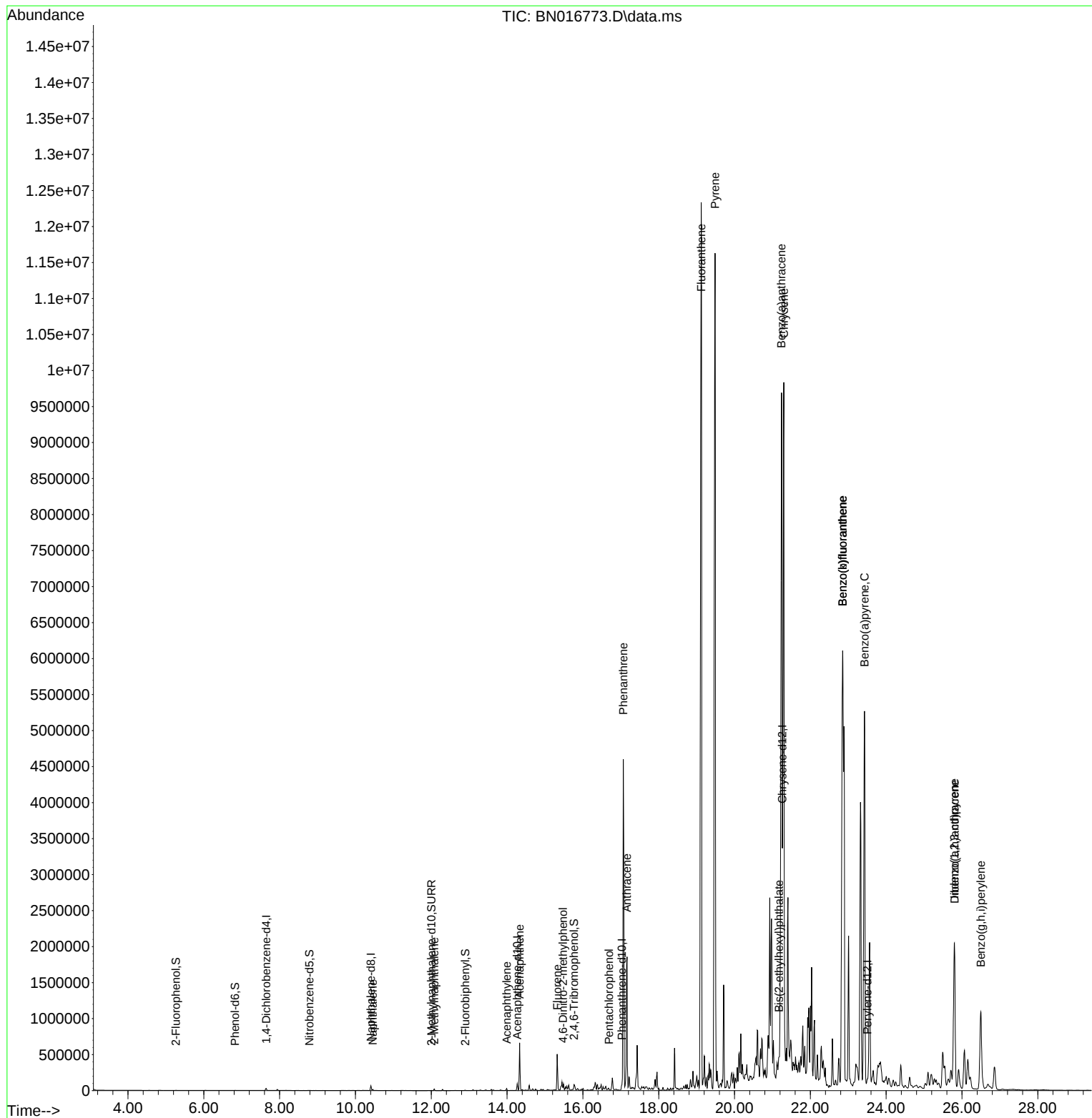
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	18809	0.400	ng	0.00
7) Naphthalene-d8	10.406	136	87803	0.400	ng	0.00
13) Acenaphthene-d10	14.268	164	51309	0.400	ng	0.00
19) Phenanthrene-d10	17.029	188	103316	0.400	ng	0.00
29) Chrysene-d12	21.259	240	95116	0.400	ng	# 0.02
35) Perylene-d12	23.508	264	111083	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	1497	0.031	ng	0.00
5) Phenol-d6	6.821	99	1544	0.029	ng	0.00
8) Nitrobenzene-d5	8.784	82	1636	0.027	ng	0.00
11) 2-Methylnaphthalene-d10	12.002	152	3809	0.029	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	873	0.146	ng	-0.01
15) 2-Fluorobiphenyl	12.898	172	4977	0.024	ng	0.00
27) Fluoranthene-d10	19.117	212	1052	0.004	ng	0.05
31) Terphenyl-d14	19.718	244	3083	0.014	ng	0.03
Target Compounds						Qvalue
9) Naphthalene	10.457	128	18096	0.075	ng	99
12) 2-Methylnaphthalene	12.078	142	16746	0.110	ng	99
16) Acenaphthylene	13.989	152	27835	0.123	ng	# 97
17) Acenaphthene	14.332	154	309583	2.069	ng	99
18) Fluorene	15.322	166	310886	1.722	ng	98
20) 4,6-Dinitro-2-methylph...	15.474	198	92	0.277	ng	# 1
24) Pentachlorophenol	16.689	266	182	0.344	ng	# 85
25) Phenanthrene	17.066	178	5174056	17.036	ng	99
26) Anthracene	17.163	178	2152870	7.937	ng	# 96
28) Fluoranthene	19.122	202	16557737	49.128	ng	97
30) Pyrene	19.485	202	15374058	49.158	ng	95
32) Benzo(a)anthracene	21.238	228	12264228	41.571	ng	# 94
33) Chrysene	21.301	228	9664566	32.294	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.174	149	73830	0.413	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.798	276	3127244	8.867	ng	97
37) Benzo(b)fluoranthene	22.851	252	13319018	37.080	ng	97
38) Benzo(k)fluoranthene	22.851	252	2518193	7.295	ng	97
39) Benzo(a)pyrene	23.429	252	8852109	27.544	ng	97
40) Dibenzo(a,h)anthracene	25.805	278	1014909	3.627	ng	95
41) Benzo(g,h,i)perylene	26.496	276	2349561	7.505	ng	99

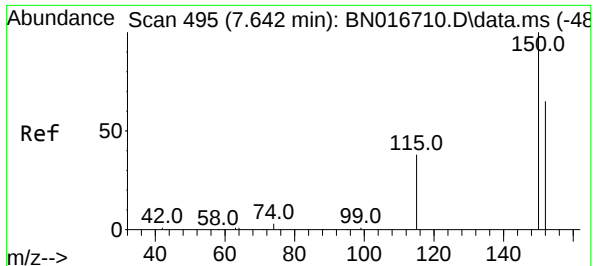
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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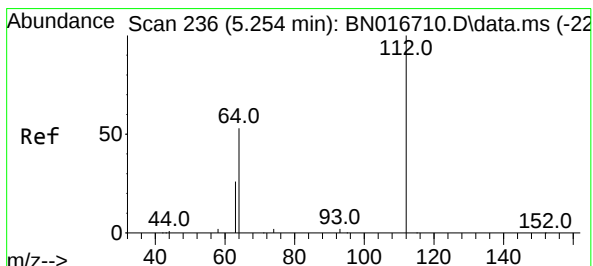
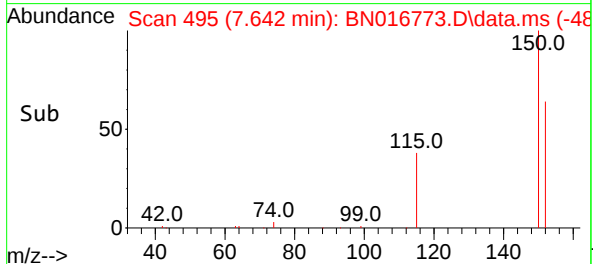
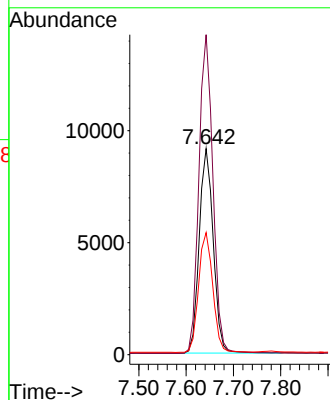
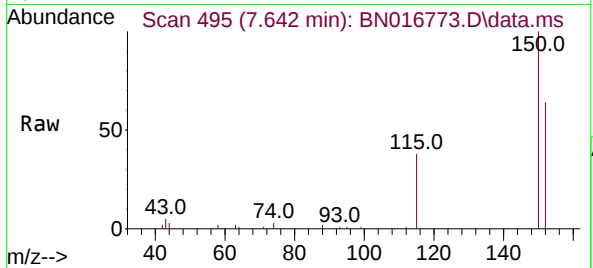




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

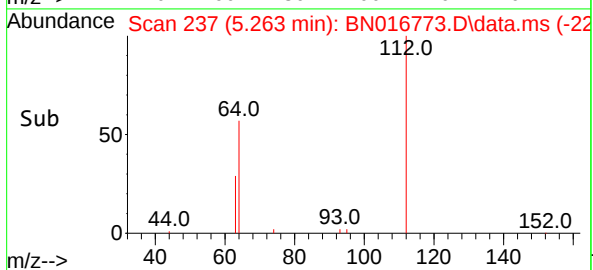
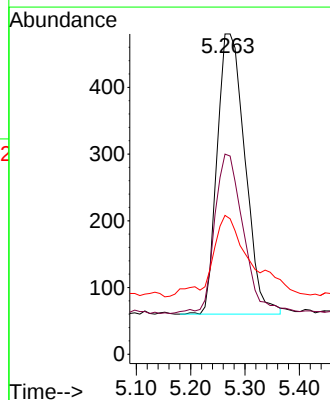
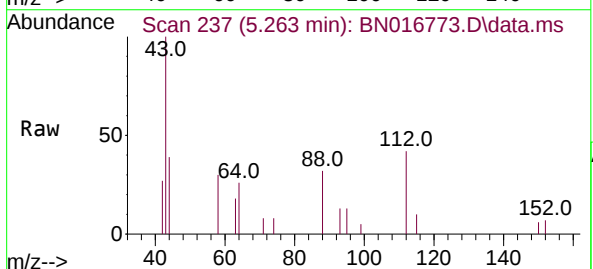
Instrument :
BNA_N
ClientSampleId :
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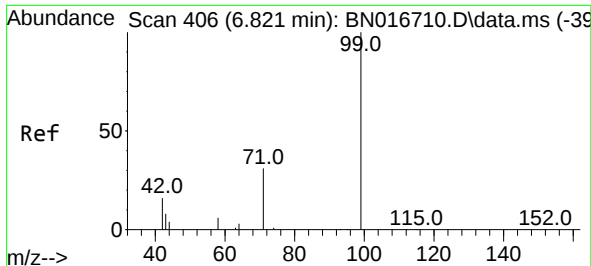
Tgt Ion:152 Resp: 18809
Ion Ratio Lower Upper
152 100
150 155.2 123.3 184.9
115 59.2 47.0 70.6



#4
2-Fluorophenol
Concen: 0.031 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.009 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:112 Resp: 1497
Ion Ratio Lower Upper
112 100
64 57.4 42.9 64.3
63 30.6 21.5 32.3

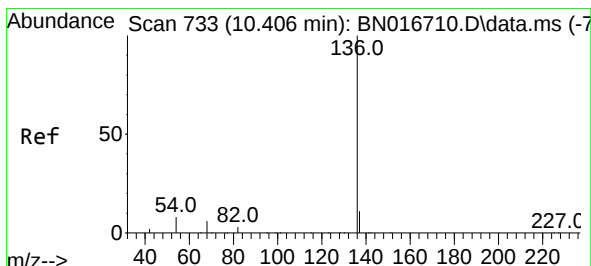
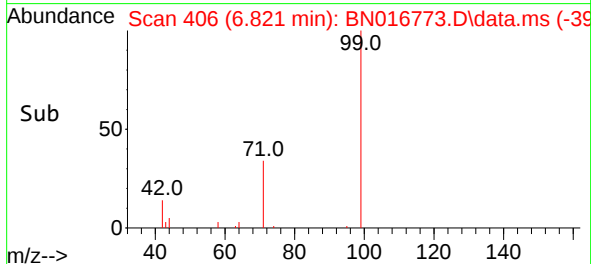
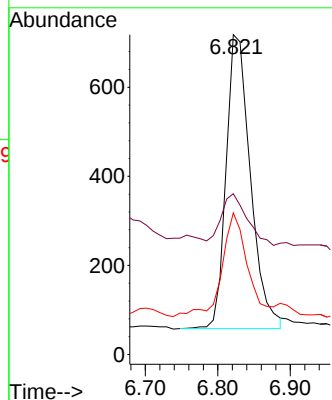
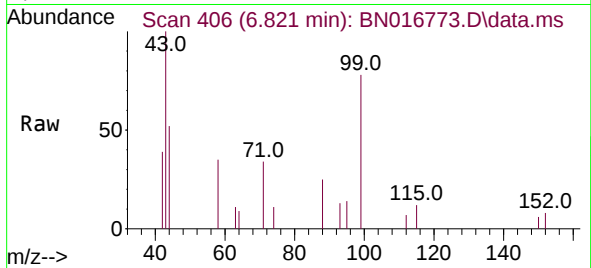




#5
Phenol-d6
Concen: 0.029 ng
RT: 6.821 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

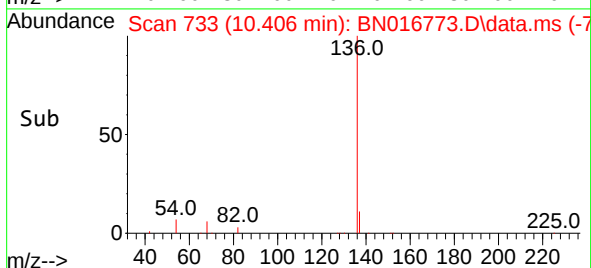
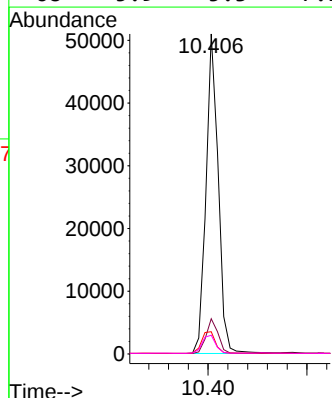
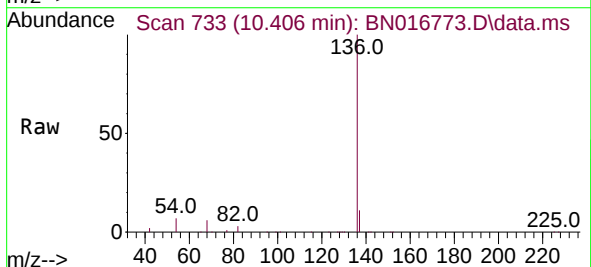
Instrument :
BNA_N
ClientSampleId :
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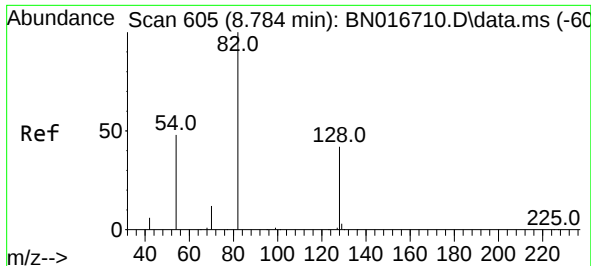
Tgt Ion: 99 Resp: 1544
Ion Ratio Lower Upper
99 100
42 18.5 13.4 20.2
71 37.0 24.0 36.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion: 136 Resp: 87803
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.5 9.7
68 5.9 5.3 7.9

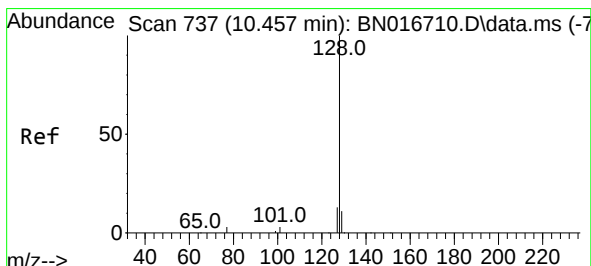
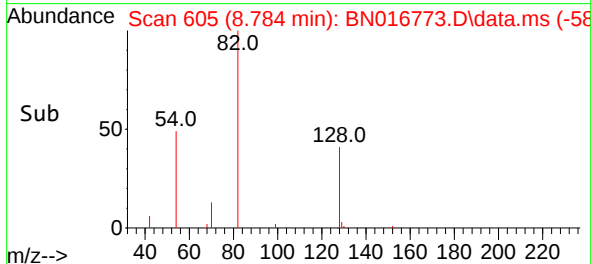
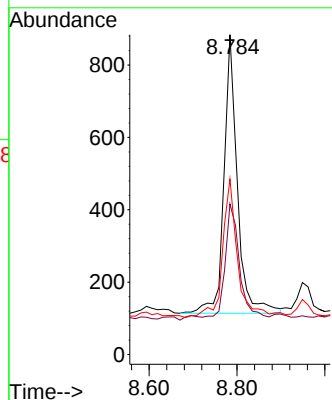
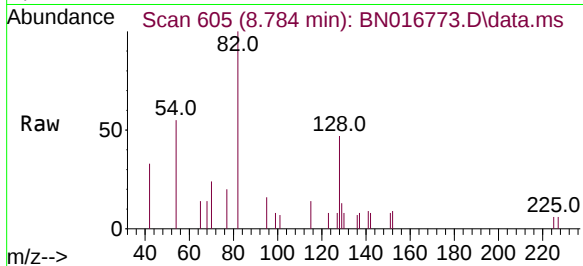




#8
Nitrobenzene-d5
Concen: 0.027 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

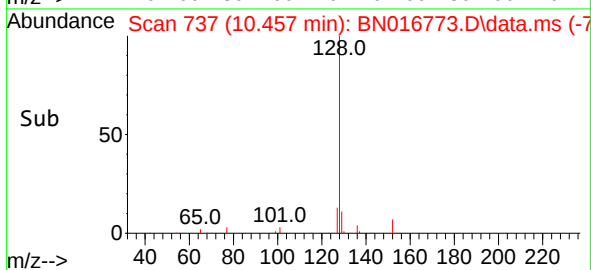
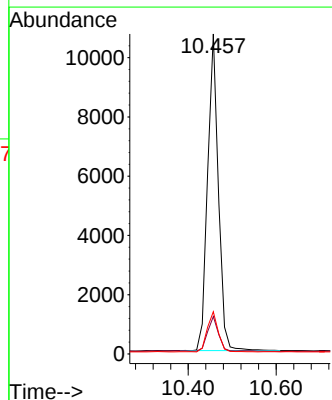
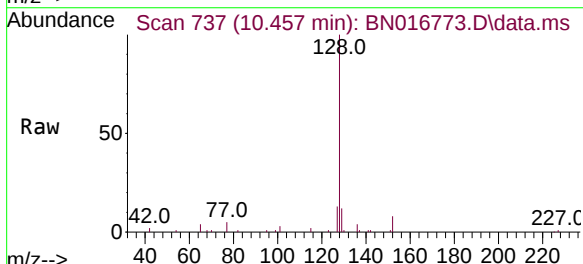
Instrument :
BNA_N
ClientSampleId :
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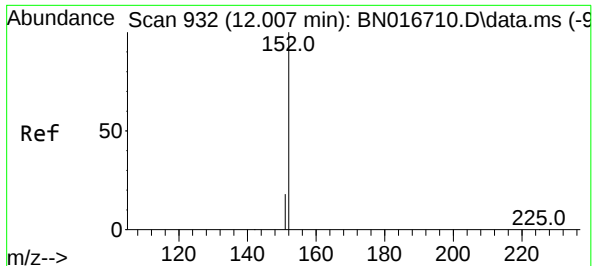
Tgt Ion: 82 Resp: 1636
Ion Ratio Lower Upper
82 100
128 47.1 33.8 50.6
54 54.9 38.5 57.7



#9
Naphthalene
Concen: 0.075 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion: 128 Resp: 18096
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.2 10.3 15.5

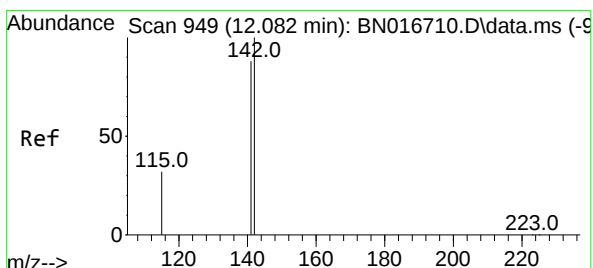
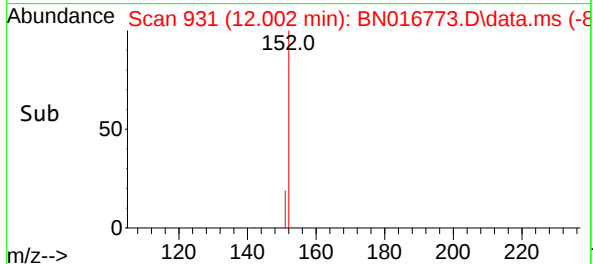
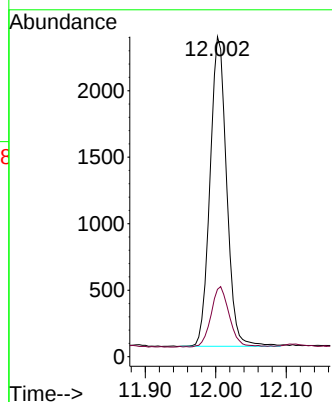
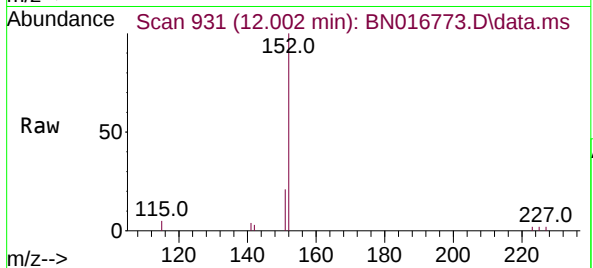




#11
2-Methylnaphthalene-d10
Concen: 0.029 ng
RT: 12.002 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

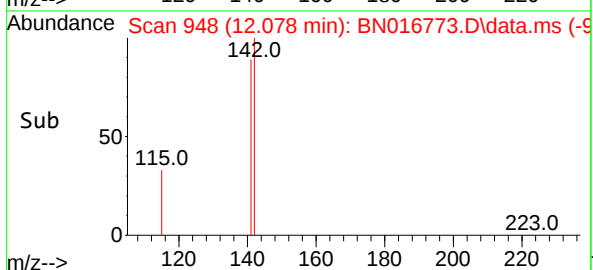
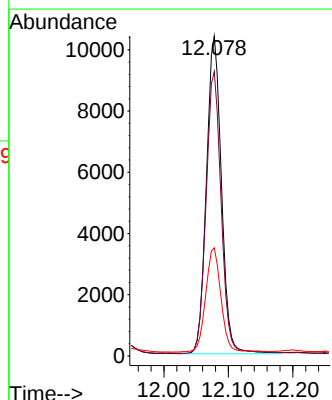
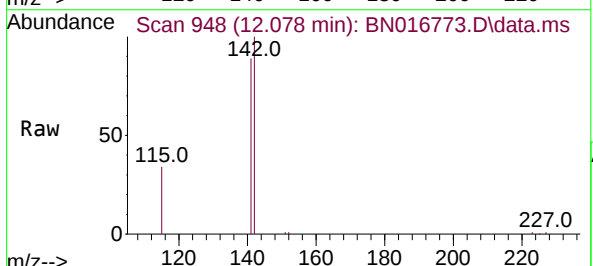
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

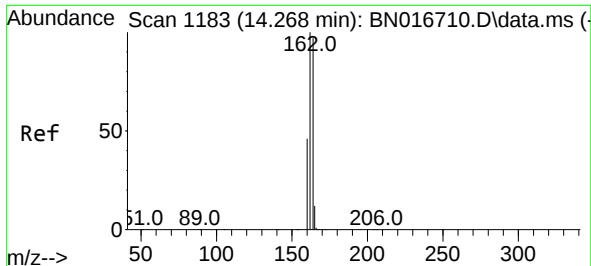
Tgt Ion:152 Resp: 3809
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.110 ng
RT: 12.078 min Scan# 948
Delta R.T. -0.004 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:142 Resp: 16746
Ion Ratio Lower Upper
142 100
141 88.9 70.6 106.0
115 33.8 26.1 39.1

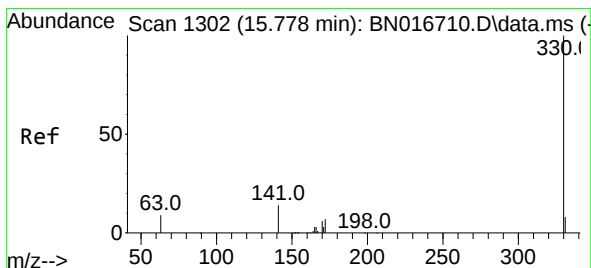
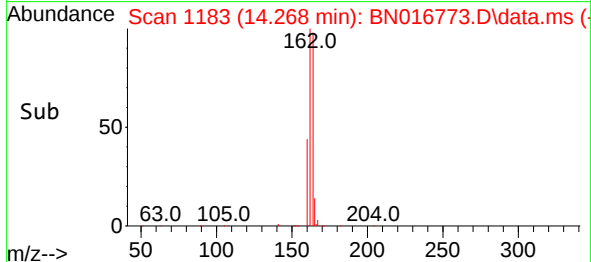
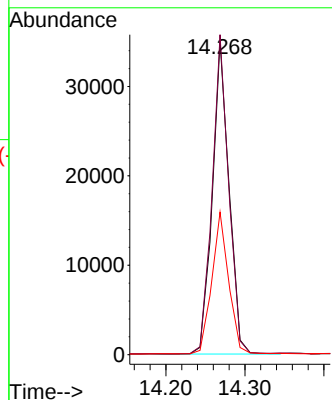
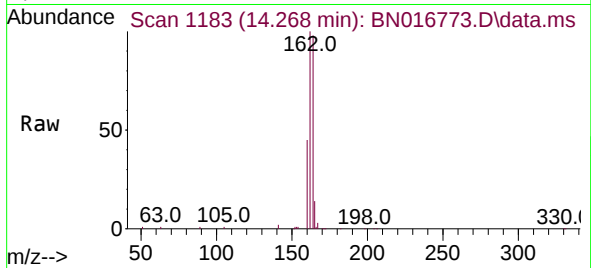




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.268 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

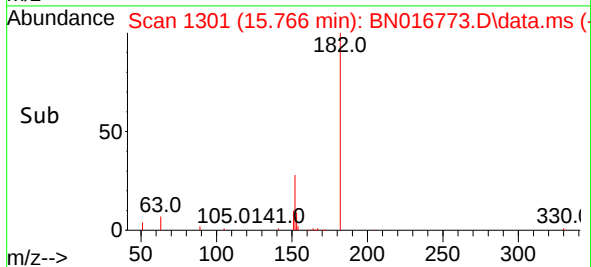
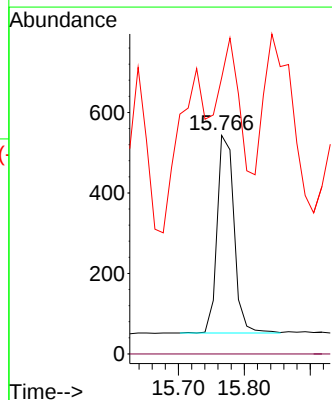
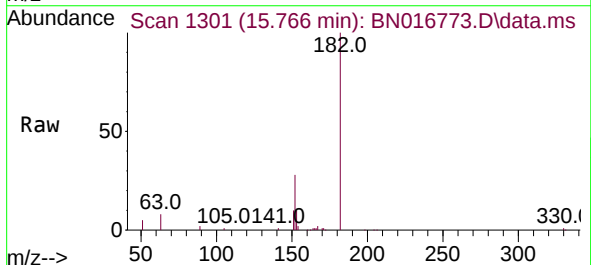
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ClientSampleId :
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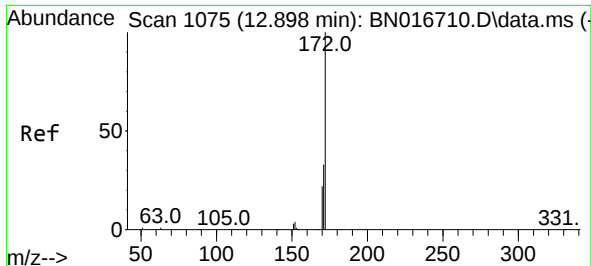
Tgt Ion:164 Resp: 51309
Ion Ratio Lower Upper
164 100
162 102.0 82.6 124.0
160 45.4 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.146 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:330 Resp: 873
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 69.1 24.2 36.2#

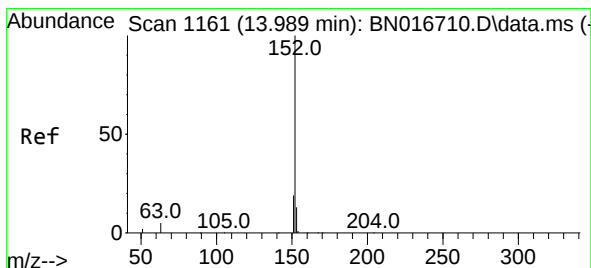
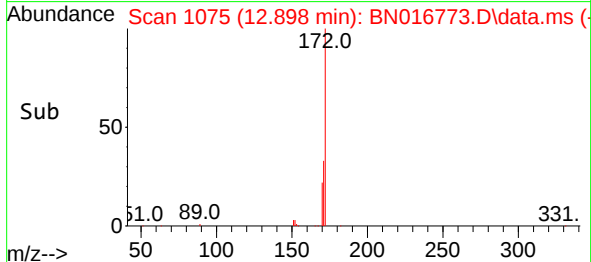
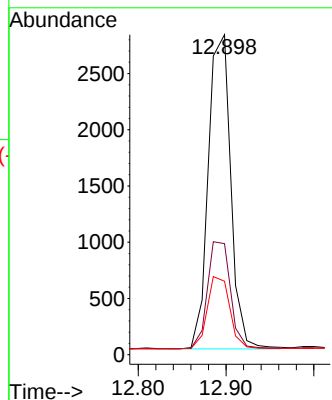
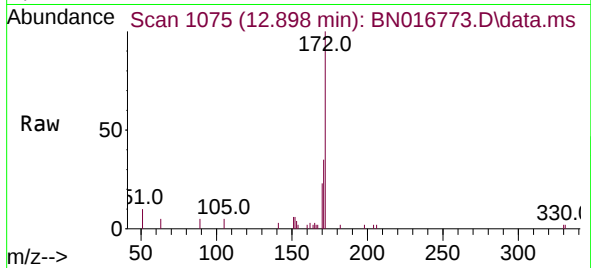




#15
2-Fluorobiphenyl
Concen: 0.024 ng
RT: 12.898 min Scan# 1075
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

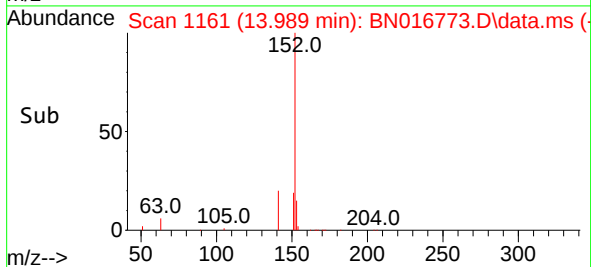
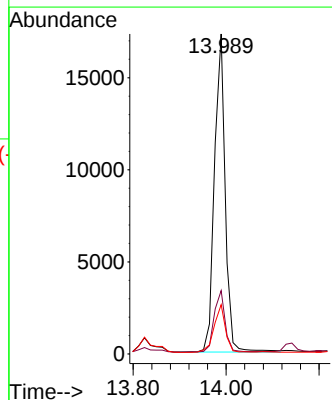
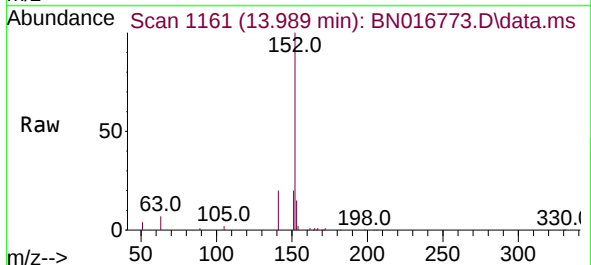
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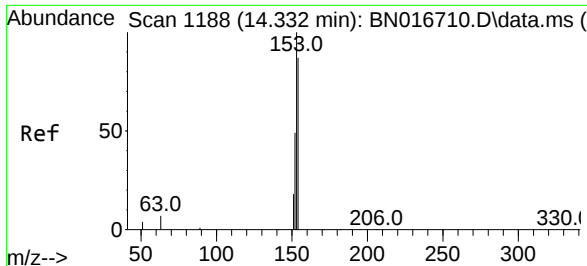
Tgt Ion:172	Resp:	4977
Ion	Ratio	Lower Upper
172	100	
171	34.7	26.9 40.3
170	23.0	17.4 26.0



#16
Acenaphthylene
Concen: 0.123 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:152	Resp:	27835
Ion	Ratio	Lower Upper
152	100	
151	19.7	15.5 23.3
153	15.7	10.4 15.6#

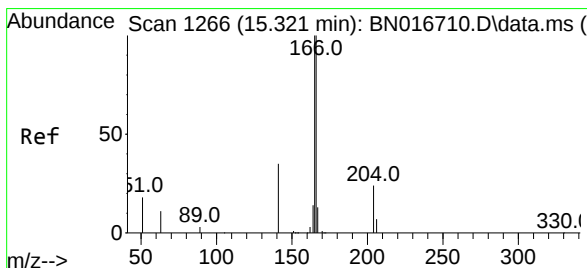
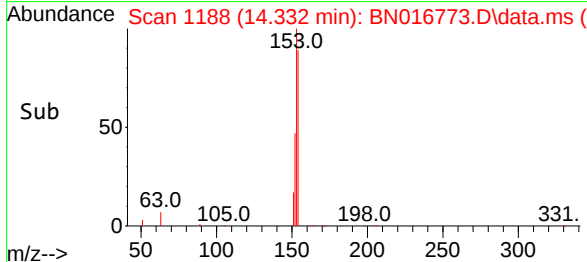
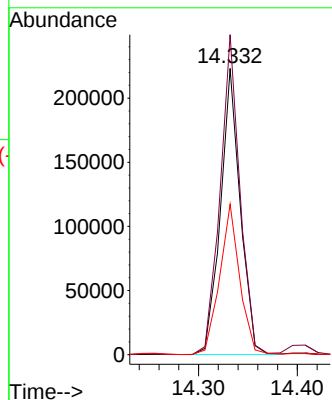
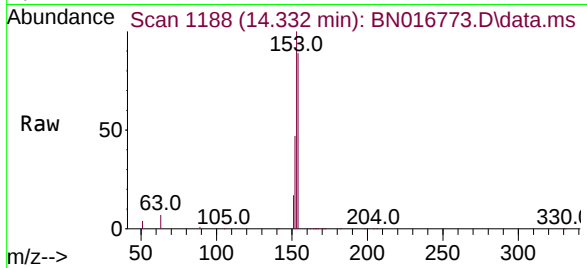




#17
Acenaphthene
Concen: 2.069 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

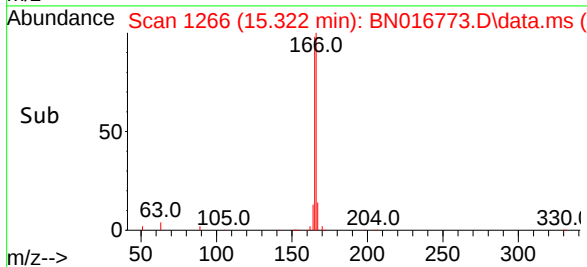
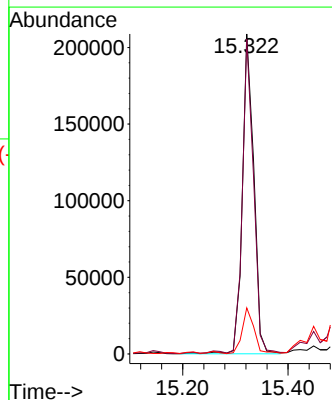
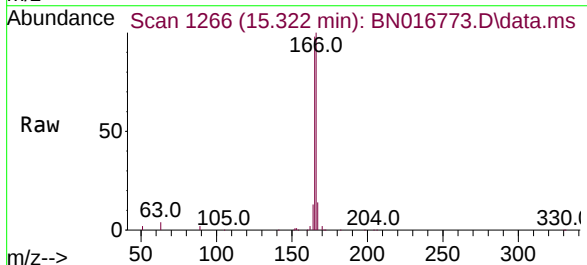
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BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

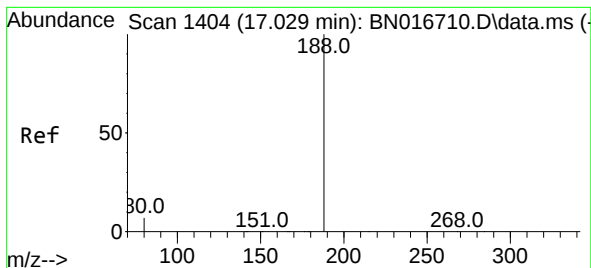
Tgt Ion:154 Resp: 309583
Ion Ratio Lower Upper
154 100
153 112.0 90.1 135.1
152 53.2 43.6 65.4



#18
Fluorene
Concen: 1.722 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:166 Resp: 310886
Ion Ratio Lower Upper
166 100
165 95.5 78.1 117.1
167 15.0 10.7 16.1

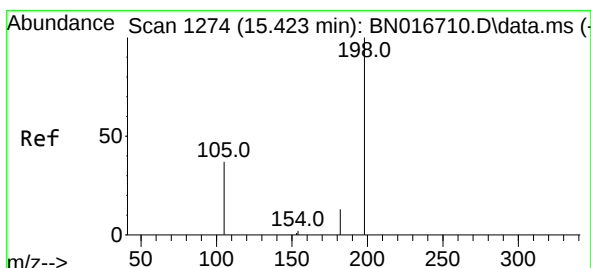
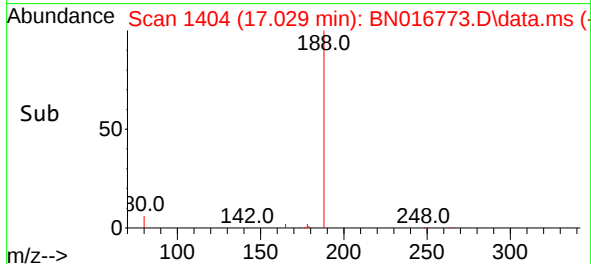
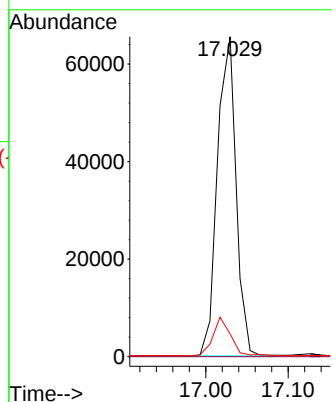
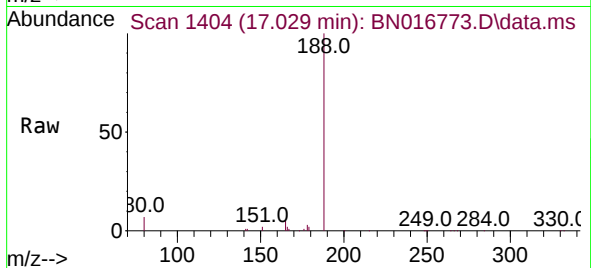




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.029 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

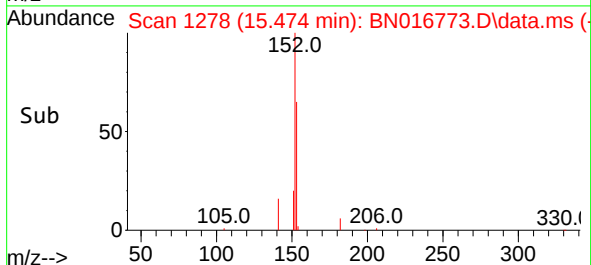
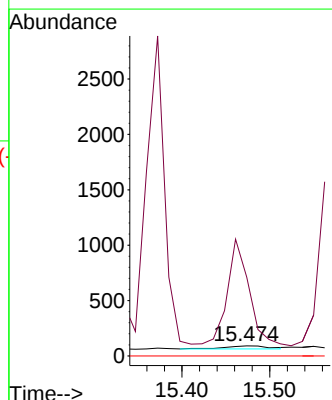
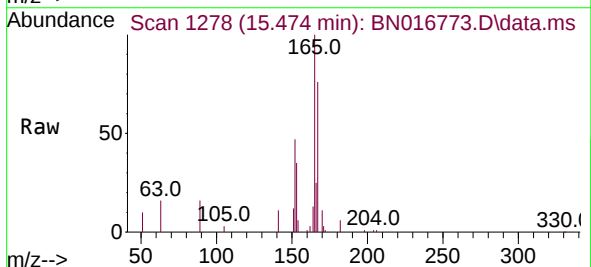
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

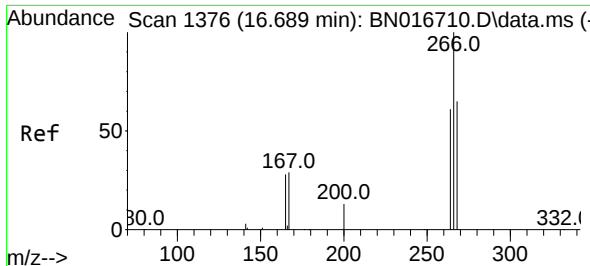
Tgt Ion:188 Resp: 103316
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.1 5.8 8.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.277 ng
RT: 15.474 min Scan# 1278
Delta R.T. 0.051 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:198 Resp: 92
Ion Ratio Lower Upper
198 100
182 781.3 26.2 39.2#
77 0.0 0.0 0.0

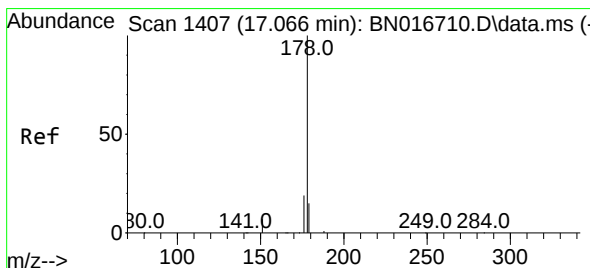
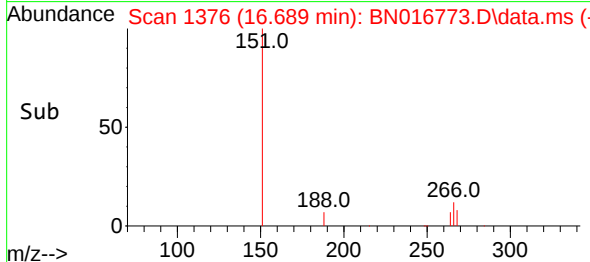
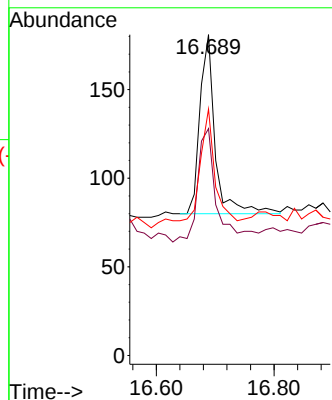
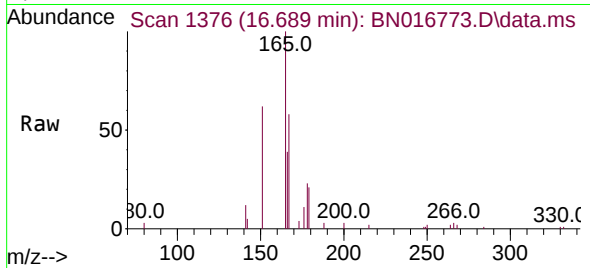




#24
Pentachlorophenol
Concen: 0.344 ng
RT: 16.689 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

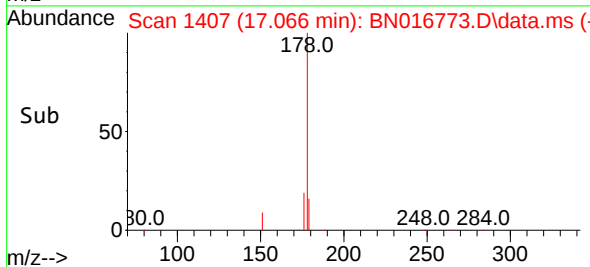
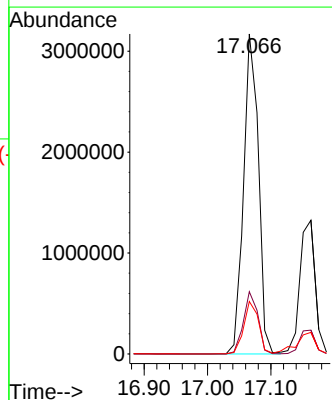
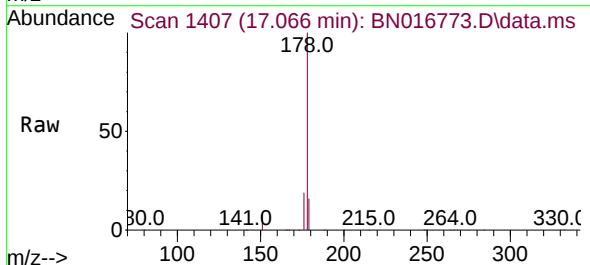
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

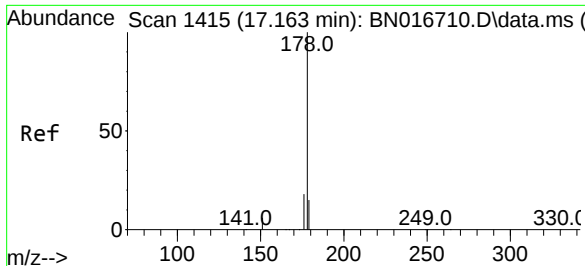
Tgt Ion:266 Resp: 182
Ion Ratio Lower Upper
266 100
264 76.4 49.3 73.9#
268 56.0 51.8 77.8



#25
Phenanthrene
Concen: 17.036 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:178 Resp: 5174056
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 16.3 12.4 18.6

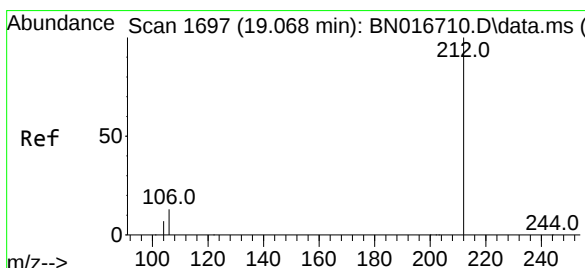
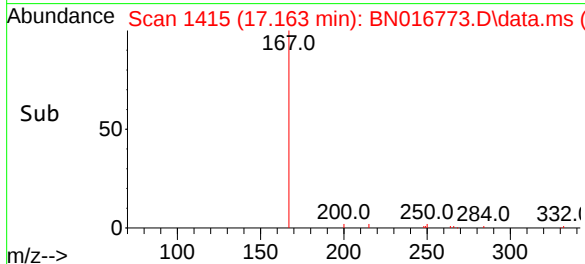
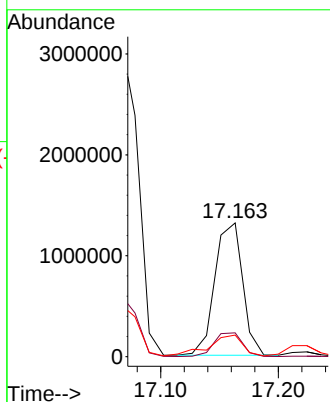
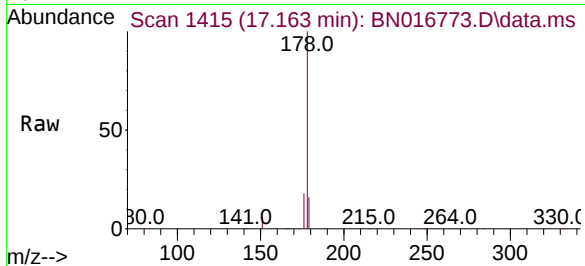




#26
 Anthracene
 Concen: 7.937 ng
 RT: 17.163 min Scan# 1415
 Delta R.T. 0.000 min
 Lab File: BN016773.D
 Acq: 06 Oct 2021 10:31

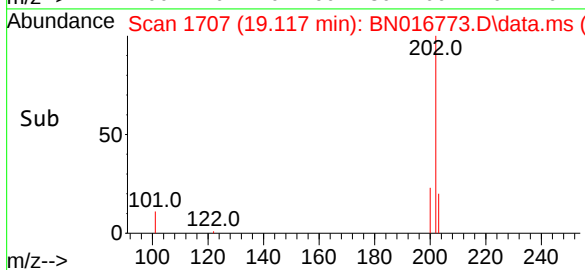
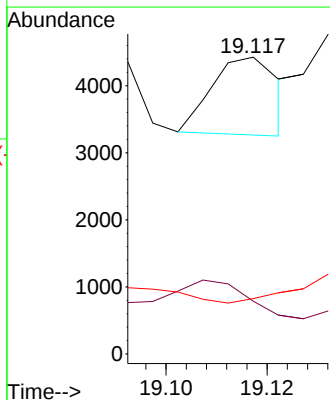
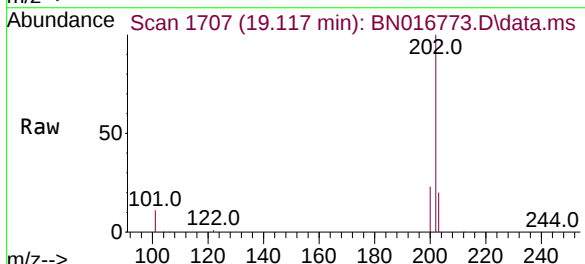
Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-1-1.5-092221-FD

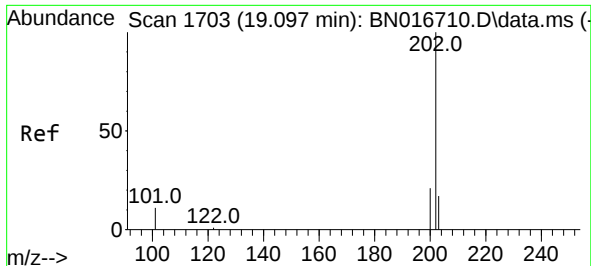
Tgt Ion:178 Resp: 2152870
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 19.1 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.004 ng
 RT: 19.117 min Scan# 1707
 Delta R.T. 0.050 min
 Lab File: BN016773.D
 Acq: 06 Oct 2021 10:31

Tgt Ion:212 Resp: 1052
 Ion Ratio Lower Upper
 212 100
 106 59.1 10.6 16.0#
 104 0.0 5.8 8.8#

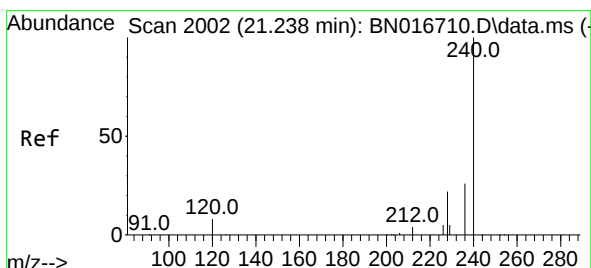
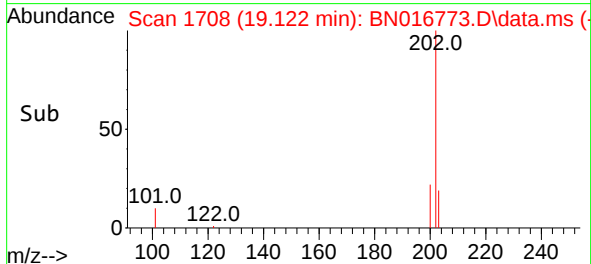
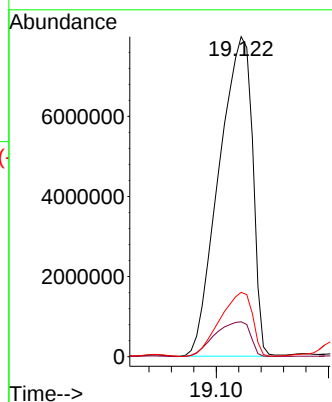
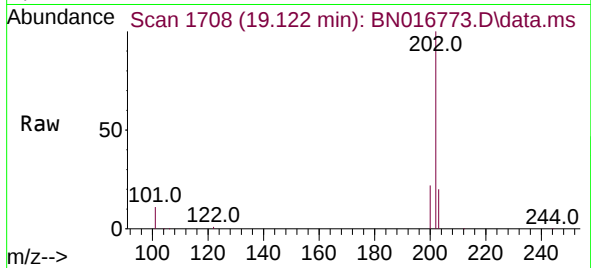




#28
Fluoranthene
Concen: 49.128 ng
RT: 19.122 min Scan# 1708
Delta R.T. 0.025 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

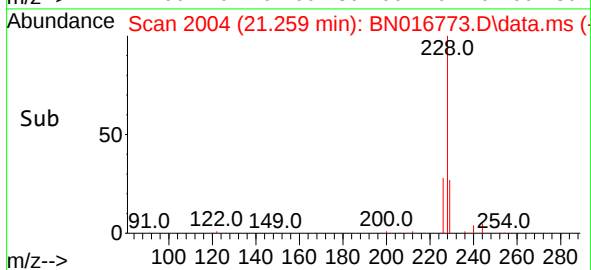
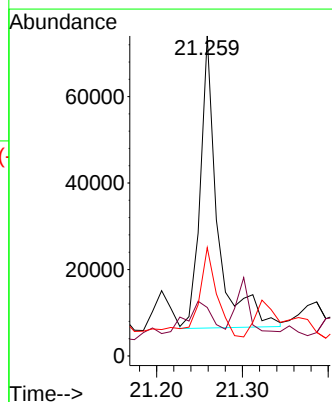
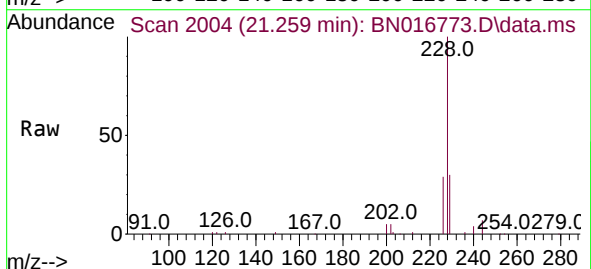
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

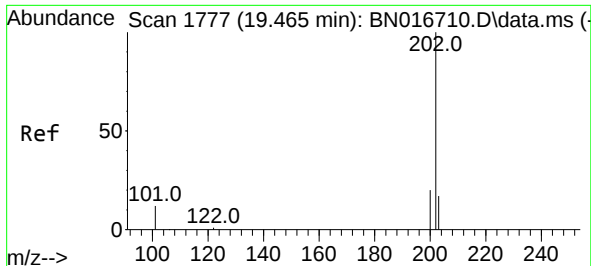
Tgt Ion:202 Resp:16557737
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
203 19.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.021 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:240 Resp: 95116
Ion Ratio Lower Upper
240 100
120 15.1 6.6 10.0#
236 33.9 20.7 31.1#

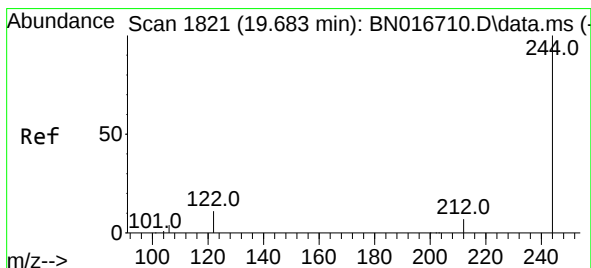
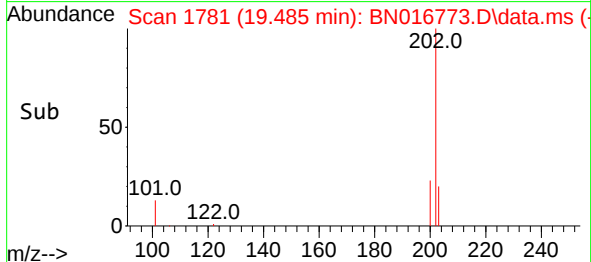
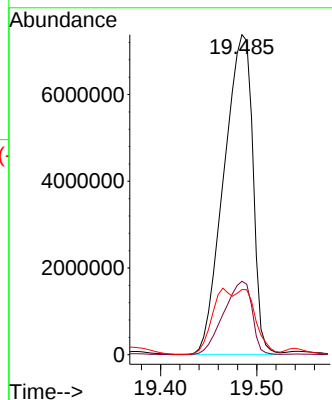
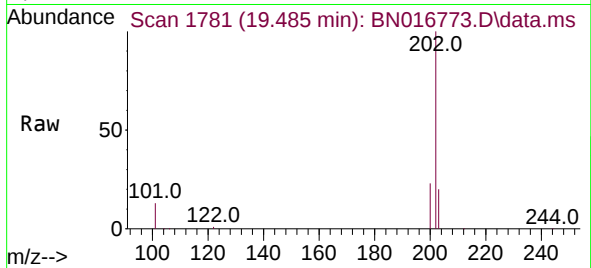




#30
Pyrene
Concen: 49.158 ng
RT: 19.485 min Scan# 1781
Delta R.T. 0.020 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

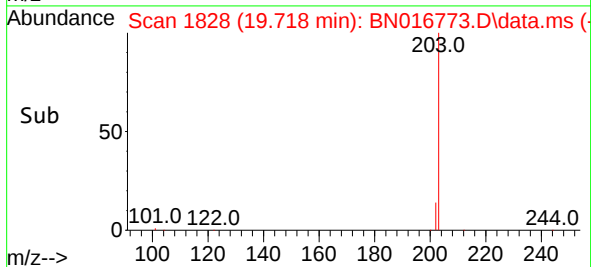
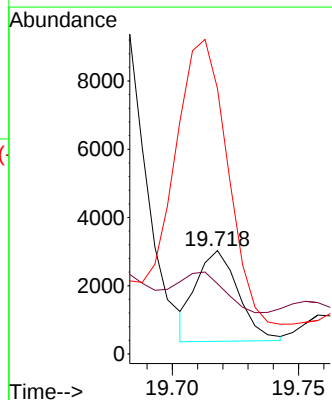
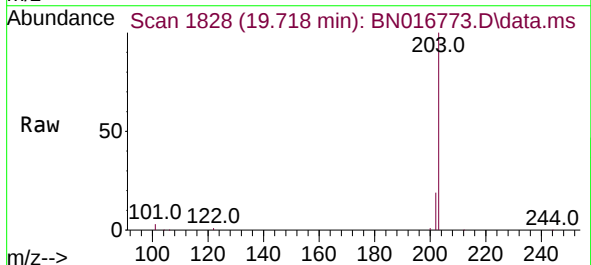
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

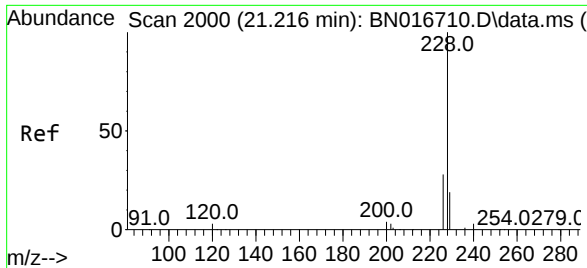
Tgt Ion:202 Resp:15374058
Ion Ratio Lower Upper
202 100
200 22.6 16.5 24.7
203 14.8 13.9 20.9



#31
Terphenyl-d14
Concen: 0.014 ng
RT: 19.718 min Scan# 1828
Delta R.T. 0.035 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:244 Resp: 3083
Ion Ratio Lower Upper
244 100
212 68.0 5.8 8.6#
122 256.6 8.9 13.3#

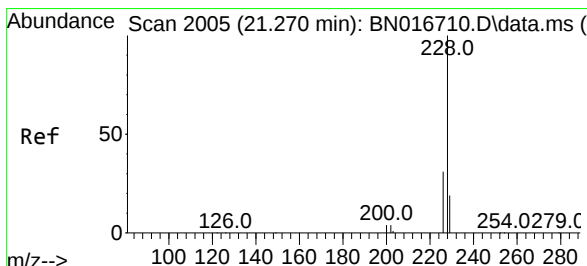
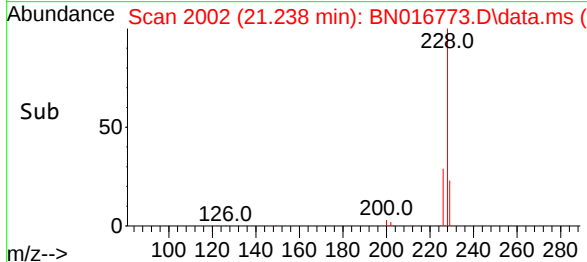
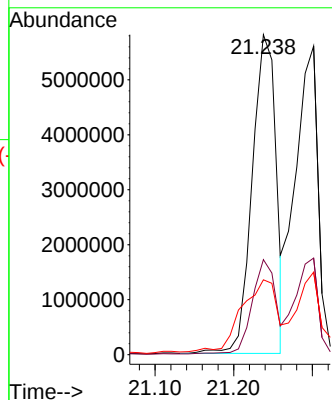
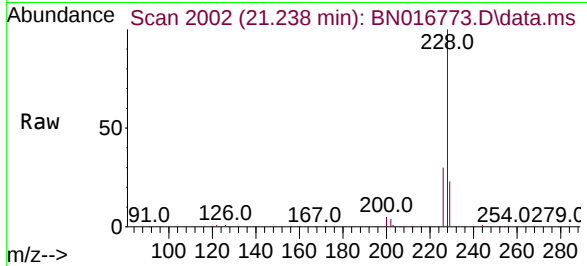




#32
Benzo(a)anthracene
Concen: 41.571 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.021 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

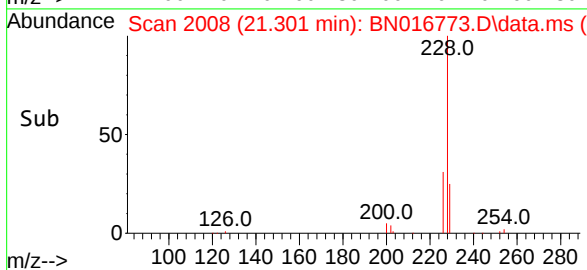
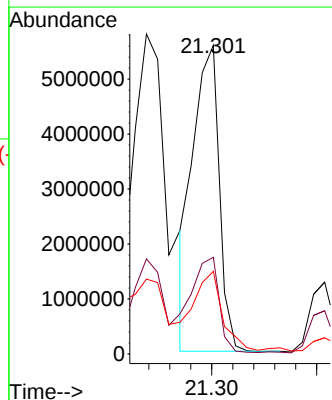
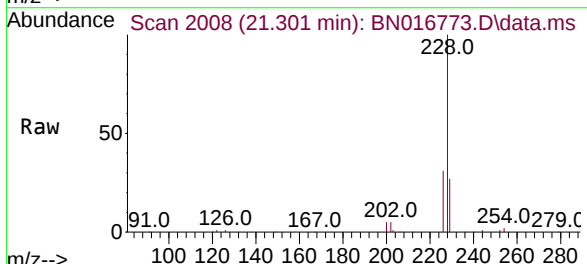
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

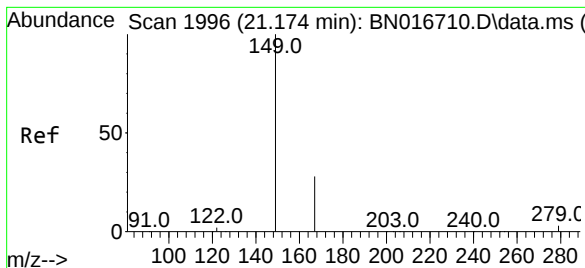
Tgt Ion:228 Resp:12264228
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 23.4 15.4 23.0#



#33
Chrysene
Concen: 32.294 ng
RT: 21.301 min Scan# 2008
Delta R.T. 0.032 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:228 Resp: 9664566
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 26.7 15.4 23.0#

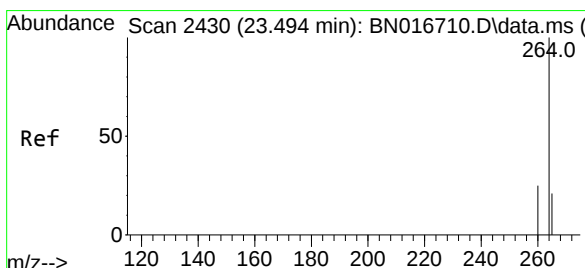
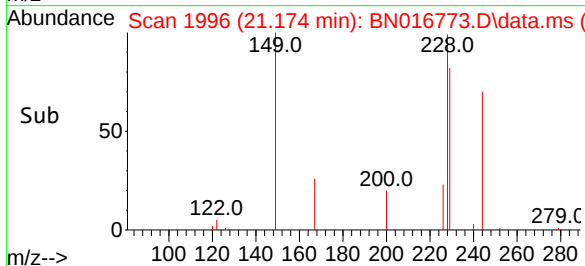
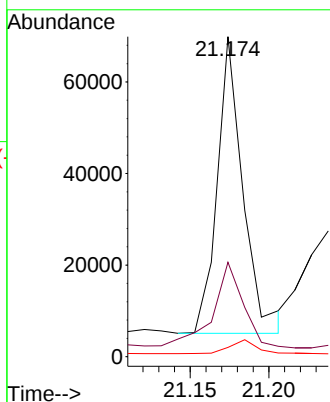
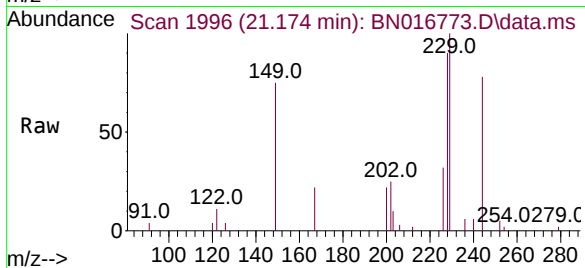




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.413 ng
 RT: 21.174 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: BN016773.D
 Acq: 06 Oct 2021 10:31

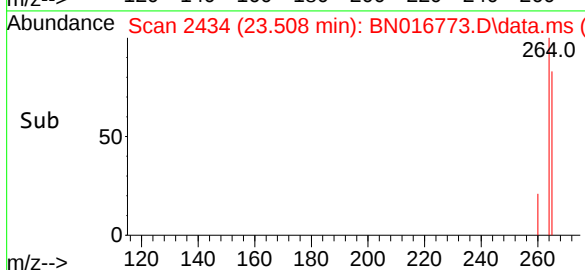
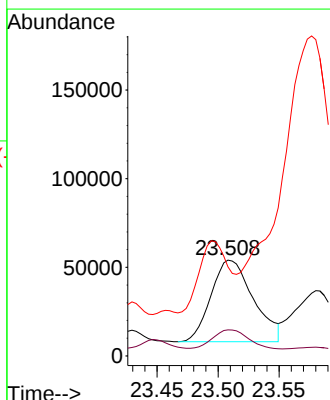
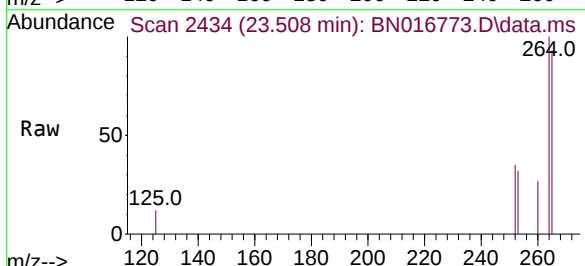
Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-1-1.5-092221-FD

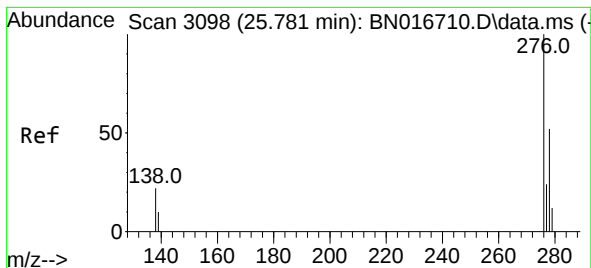
Tgt Ion:149 Resp: 73830
 Ion Ratio Lower Upper
 149 100
 167 35.0 22.2 33.4#
 279 6.3 3.4 5.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.508 min Scan# 2434
 Delta R.T. 0.014 min
 Lab File: BN016773.D
 Acq: 06 Oct 2021 10:31

Tgt Ion:264 Resp: 111083
 Ion Ratio Lower Upper
 264 100
 260 27.2 19.8 29.6
 265 93.1 20.3 30.5#

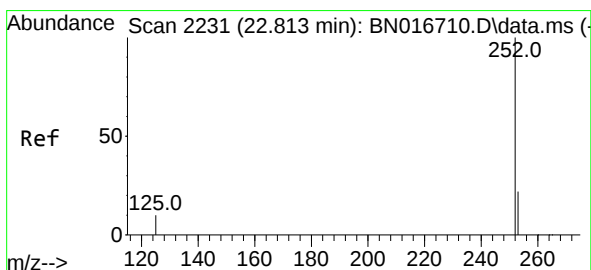
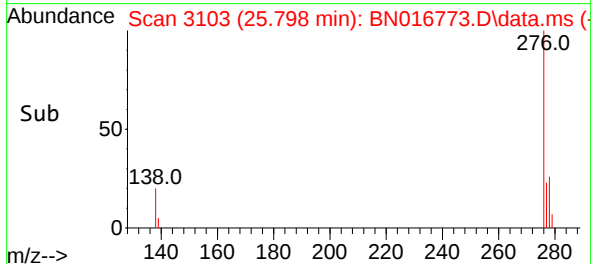
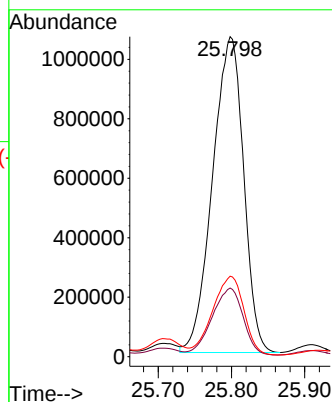
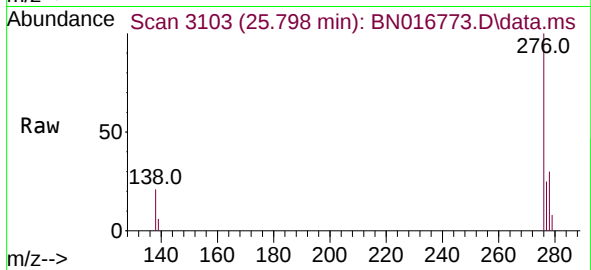




#36
Indeno(1,2,3-cd)pyrene
Concen: 8.867 ng
RT: 25.798 min Scan# 3103
Delta R.T. 0.017 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

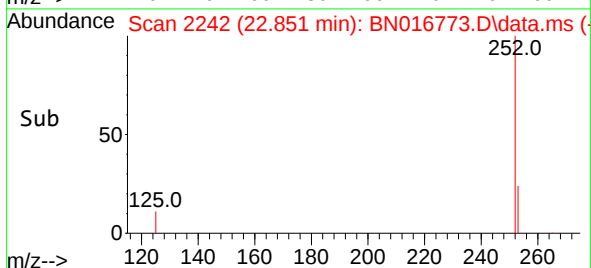
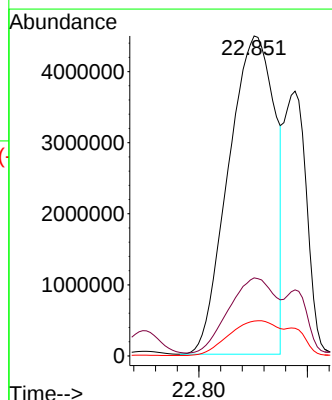
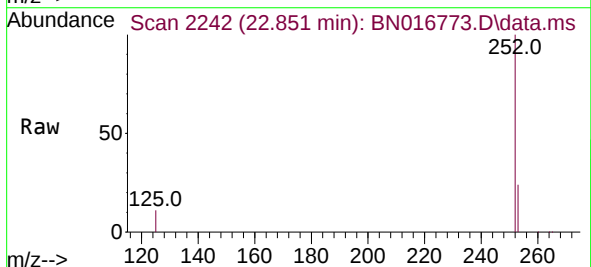
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

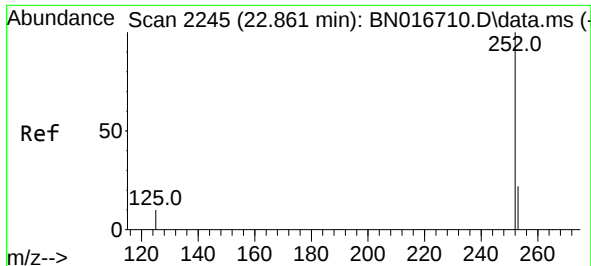
Tgt Ion:276 Resp: 3127244
Ion Ratio Lower Upper
276 100
138 21.3 19.2 28.8
277 25.1 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 37.080 ng
RT: 22.851 min Scan# 2242
Delta R.T. 0.038 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:252 Resp:13319018
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 10.9 8.3 12.5

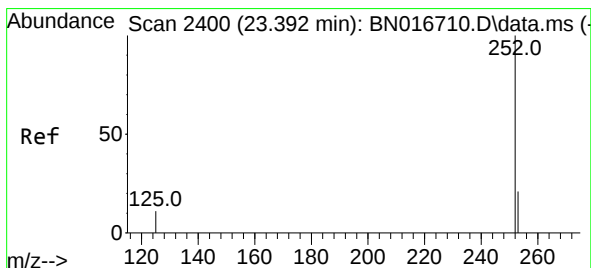
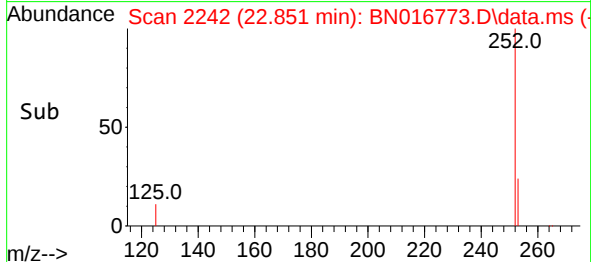
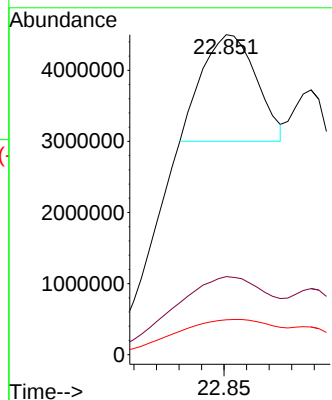
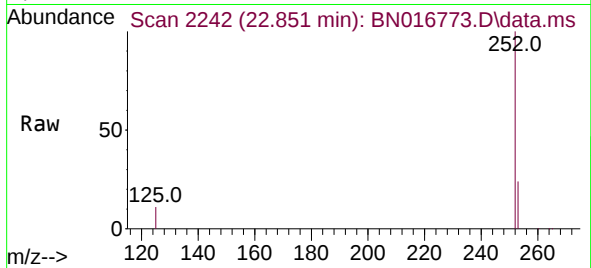




#38
Benzo(k)fluoranthene
Concen: 7.295 ng
RT: 22.851 min Scan# 2242
Delta R.T. -0.010 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

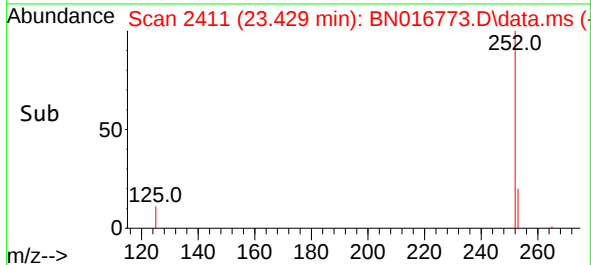
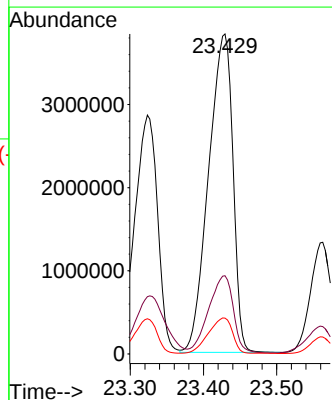
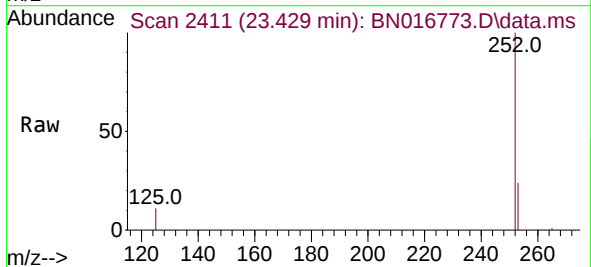
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

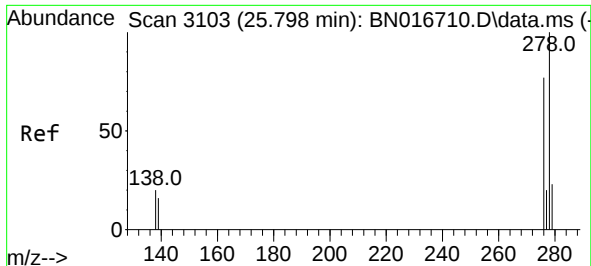
Tgt Ion:252 Resp: 2518193
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 10.9 8.5 12.7



#39
Benzo(a)pyrene
Concen: 27.544 ng
RT: 23.429 min Scan# 2411
Delta R.T. 0.038 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:252 Resp: 8852109
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.2 9.4 14.2

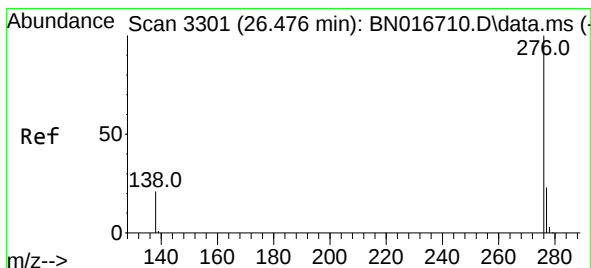
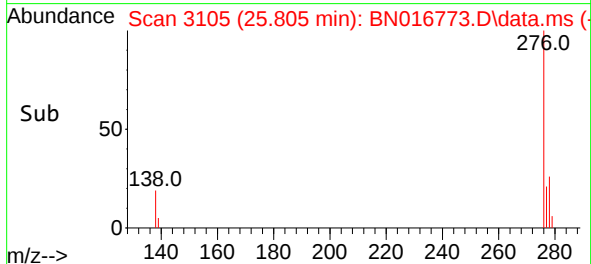
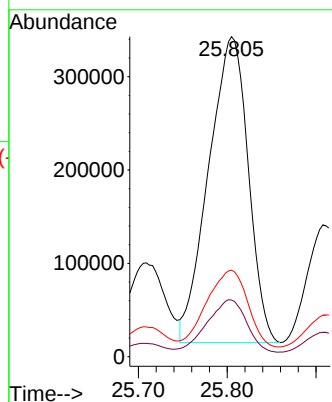
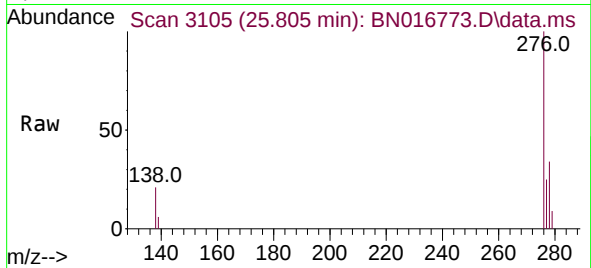




#40
Dibenzo(a,h)anthracene
Concen: 3.627 ng
RT: 25.805 min Scan# 3105
Delta R.T. 0.007 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221-FD

Tgt Ion:278 Resp: 1014909
Ion Ratio Lower Upper
278 100
139 17.7 13.1 19.7
279 27.1 19.3 28.9



#41
Benzo(g,h,i)perylene
Concen: 7.505 ng
RT: 26.496 min Scan# 3307
Delta R.T. 0.021 min
Lab File: BN016773.D
Acq: 06 Oct 2021 10:31

Tgt Ion:276 Resp: 2349561
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 20.9 17.0 25.6

