

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091721\
 Data File : BN016327.D
 Acq On : 18 Sep 2021 10:20
 Operator : CG/JU
 Sample : M3733-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

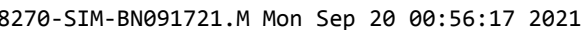
Instrument :
 BNA_N
 ClientSampleId :
 SUP-UST-01-(5-7)

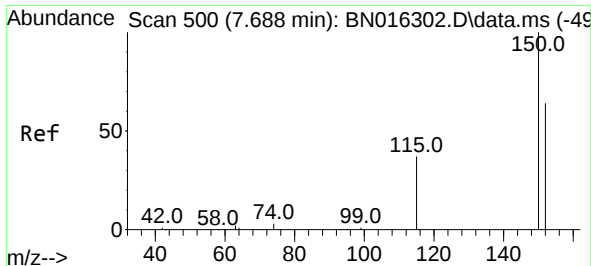
Quant Time: Sep 20 00:56:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 17 23:59:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	26679	0.400	ng	0.00
7) Naphthalene-d8	10.457	136	126648	0.400	ng	# 0.00
13) Acenaphthene-d10	14.307	164	72737	0.400	ng	0.00
19) Phenanthrene-d10	17.054	188	139957	0.400	ng	#-0.01
29) Chrysene-d12	21.259	240	143433	0.400	ng	# 0.00
35) Perylene-d12	23.525	264	149912	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.328	112	29054	0.434	ng	0.03
5) Phenol-d6	6.877	99	71792	0.885	ng	0.00
8) Nitrobenzene-d5	8.822	82	184408	2.451	ng	-0.01
11) 2-Methylnaphthalene-d10	12.047	152	69624	0.349	ng	0.00
14) 2,4,6-Tribromophenol	15.804	330	9445	0.442	ng	0.00
15) 2-Fluorobiphenyl	12.936	172	84067	0.295	ng	0.00
27) Fluoranthene-d10	19.097	212	122729	0.303	ng	0.00
31) Terphenyl-d14	19.708	244	89928	0.271	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.318	88	500	0.045	ng	# 1
3) n-Nitrosodimethylamine	3.557	42	10597	0.418	ng	# 1
6) bis(2-Chloroethyl)ether	7.181	93	14717	0.204	ng	# 1
9) Naphthalene	10.508	128	629292	1.844	ng	98
12) 2-Methylnaphthalene	12.123	142	72400	0.320	ng	98
17) Acenaphthene	14.370	154	5445	0.026	ng	# 89
18) Fluorene	15.360	166	9427	0.036	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.448	198	71	0.156	ng	# 1
25) Phenanthrene	17.102	178	62618	0.158	ng	97
26) Anthracene	17.188	178	13473	0.035	ng	96
28) Fluoranthene	19.127	202	48583	0.107	ng	99
30) Pyrene	19.490	202	41789	0.092	ng	# 91
32) Benzo(a)anthracene	21.248	228	22080	0.048	ng	# 93
33) Chrysene	21.302	228	16621	0.037	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.195	149	203014	0.817	ng	99
36) Indeno(1,2,3-cd)pyrene	25.822	276	9905	0.020	ng	# 87
37) Benzo(b)fluoranthene	22.848	252	22259	0.047	ng	# 61
39) Benzo(a)pyrene	23.426	252	15701	0.036	ng	# 65
41) Benzo(g,h,i)perylene	26.524	276	9190	0.022	ng	# 89

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

Quant Time: Sep 20 00:56:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 17 23:59:14 2021
Response via : Initial Calibration

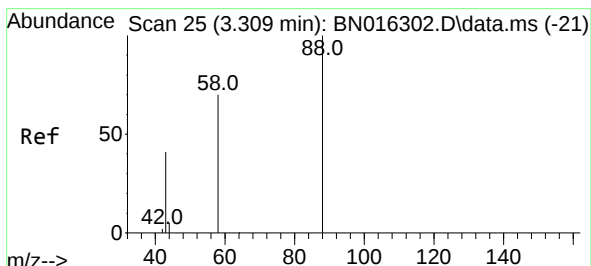
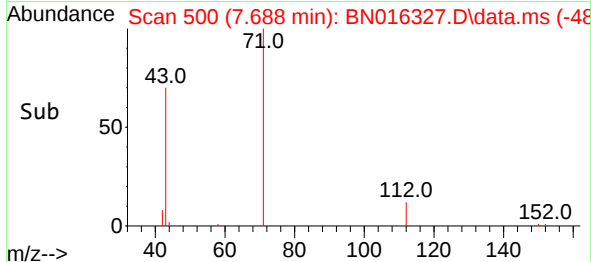
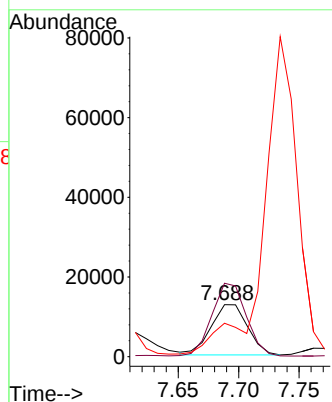
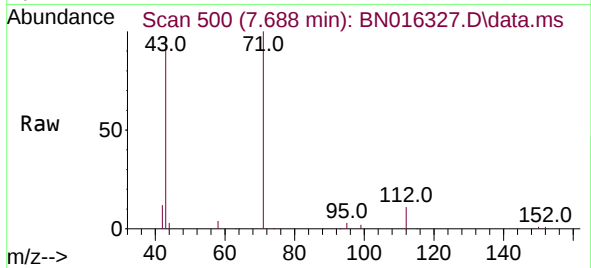




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.688 min Scan# 500
 Delta R.T. 0.000 min
 Lab File: BN016327.D
 Acq: 18 Sep 2021 10:20

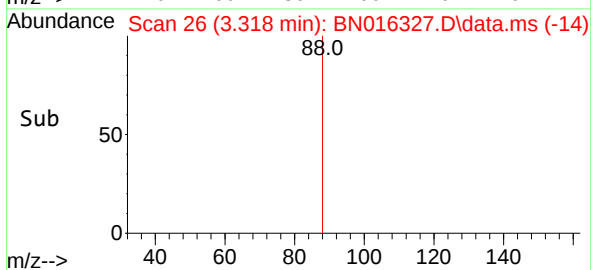
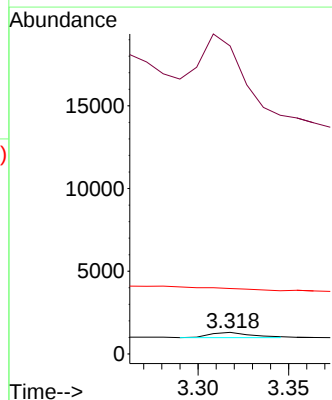
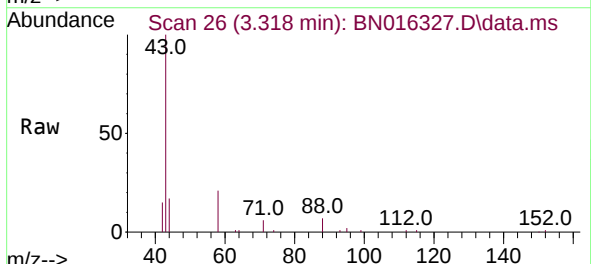
Instrument :
 BNA_N
 ClientSampleId :
 SUP-UST-01-(5-7)

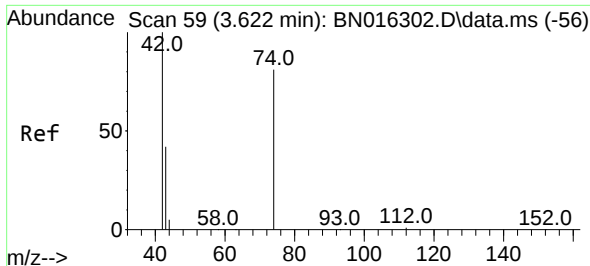
Tgt Ion: 152 Resp: 26679
 Ion Ratio Lower Upper
 152 100
 150 141.1 125.6 188.4
 115 64.2 50.2 75.2



#2
 1,4-Dioxane
 Concen: 0.045 ng
 RT: 3.318 min Scan# 26
 Delta R.T. 0.009 min
 Lab File: BN016327.D
 Acq: 18 Sep 2021 10:20

Tgt Ion: 88 Resp: 500
 Ion Ratio Lower Upper
 88 100
 43 1581.6 20.3 30.5#
 58 0.0 69.9 104.9#

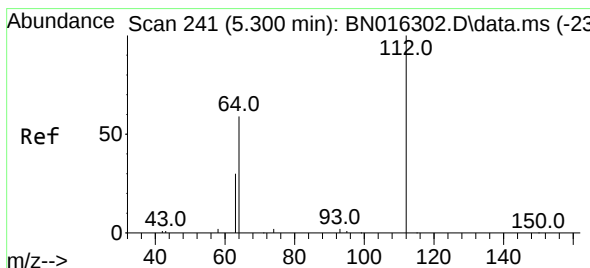
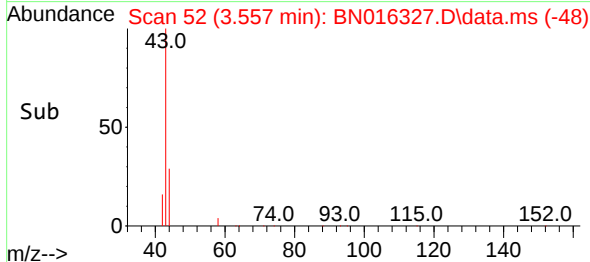
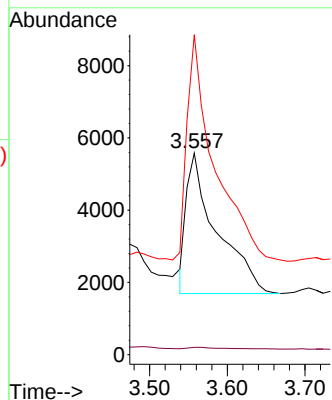
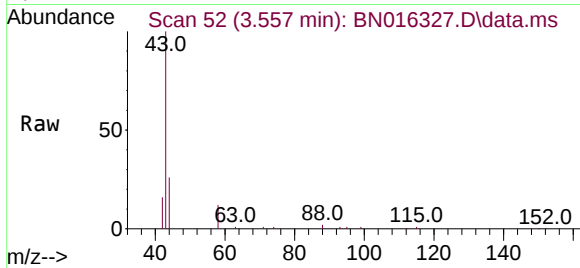




#3
n-Nitrosodimethylamine
Concen: 0.418 ng
RT: 3.557 min Scan# 52
Delta R.T. -0.065 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

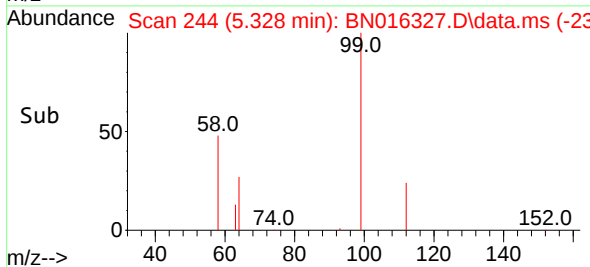
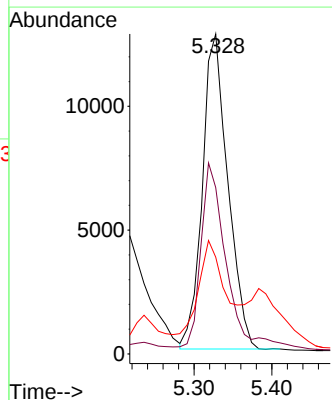
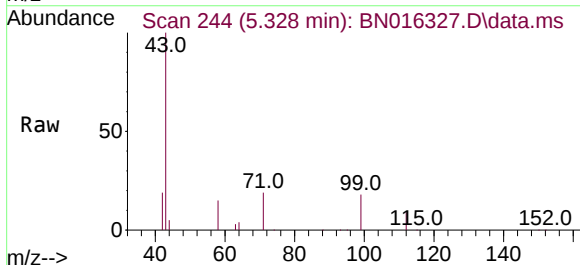
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

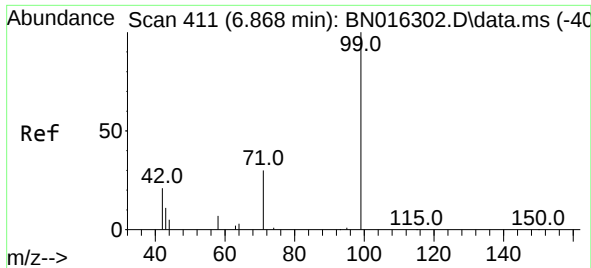
Tgt Ion: 42 Resp: 10597
Ion Ratio Lower Upper
42 100
74 1.6 113.6 170.4#
44 144.2 0.0 0.0#



#4
2-Fluorophenol
Concen: 0.434 ng
RT: 5.328 min Scan# 244
Delta R.T. 0.027 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion: 112 Resp: 29054
Ion Ratio Lower Upper
112 100
64 55.5 47.3 70.9
63 28.9 23.4 35.0

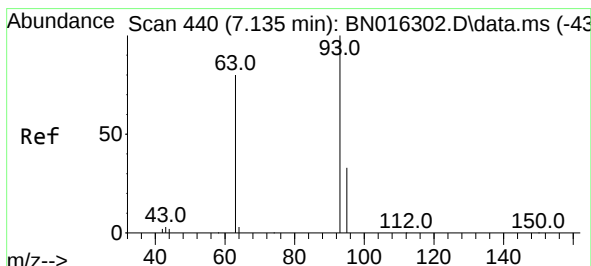
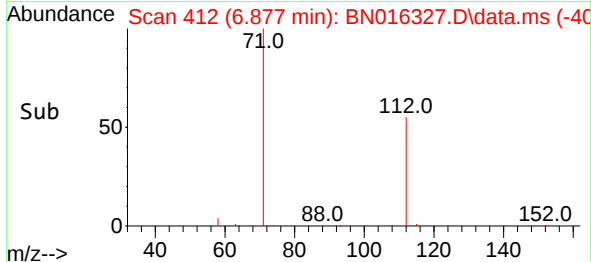
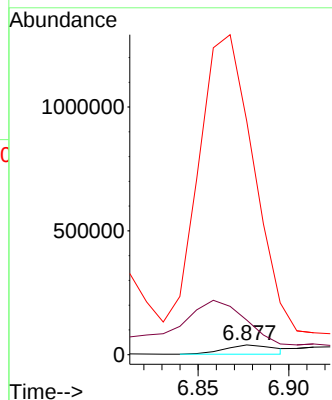
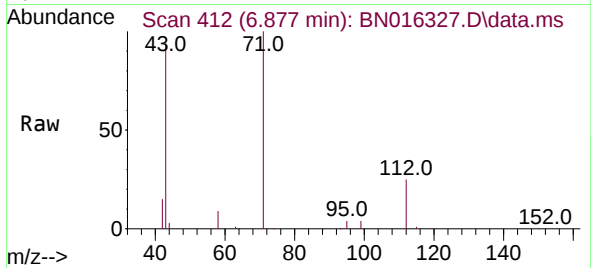




#5
Phenol-d6
Concen: 0.885 ng
RT: 6.877 min Scan# 412
Delta R.T. 0.009 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

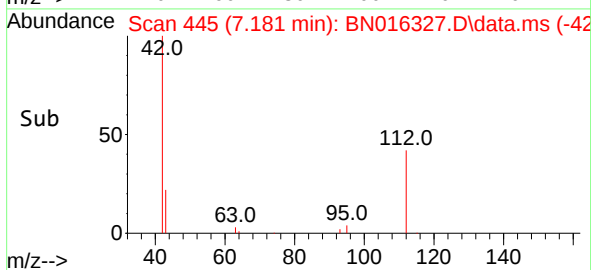
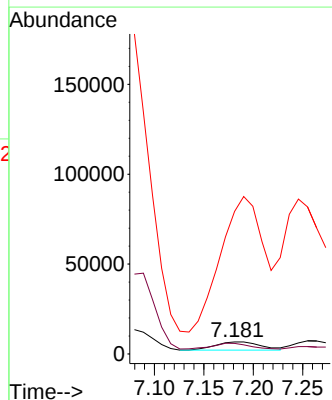
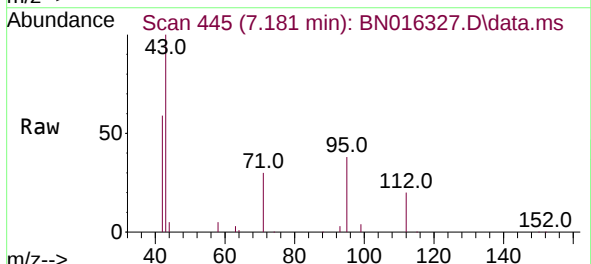
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

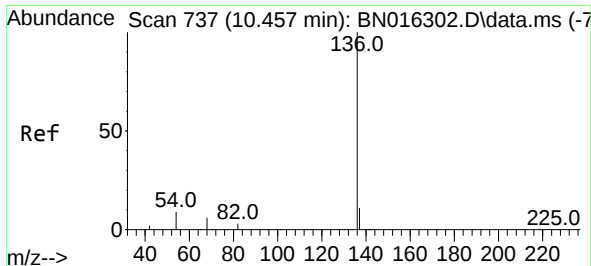
Tgt Ion: 99 Resp: 71792
Ion Ratio Lower Upper
99 100
42 689.2 14.0 21.0#
71 3531.0 23.8 35.6#



#6
bis(2-Chloroethyl)ether
Concen: 0.204 ng
RT: 7.181 min Scan# 445
Delta R.T. 0.046 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion: 93 Resp: 14717
Ion Ratio Lower Upper
93 100
63 52.5 63.4 95.0#
95 1540.7 26.8 40.2#

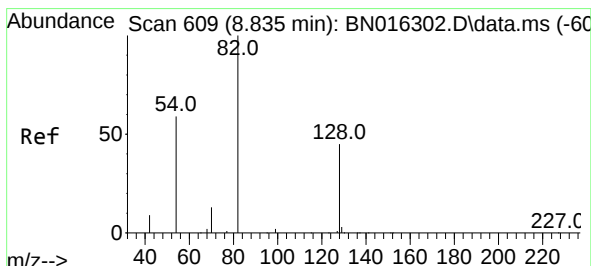
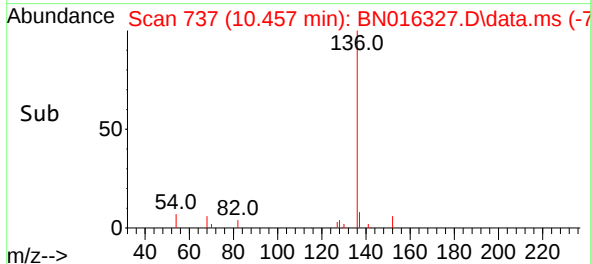
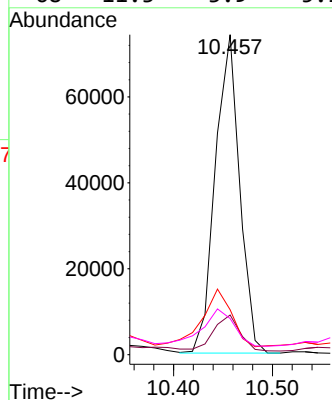
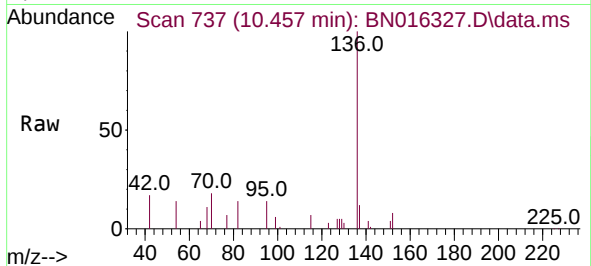




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.457 min Scan# 737
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

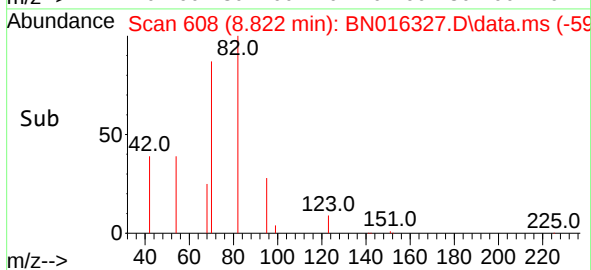
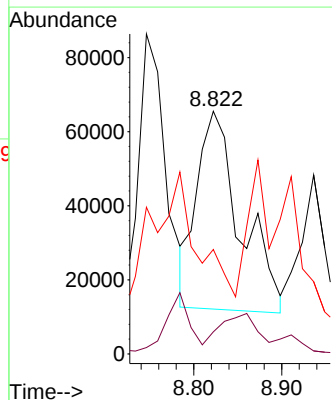
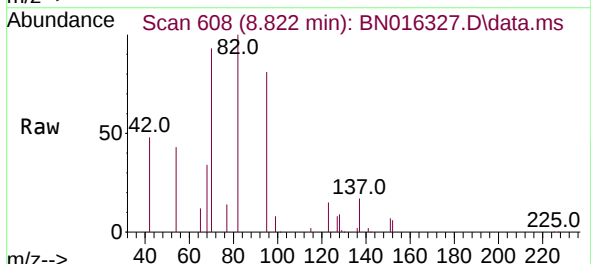
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

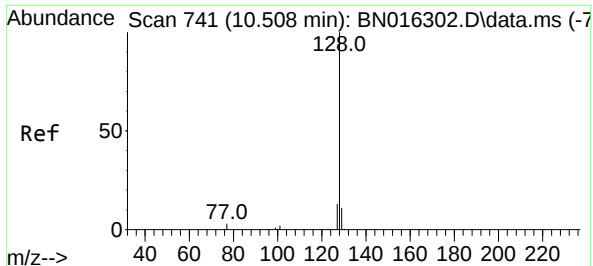
Tgt Ion:	136	Resp:	126648
Ion Ratio	Lower	Upper	
136	100		
137	12.4	8.8	13.2
54	14.0	5.3	7.9#
68	11.3	3.9	5.9#



#8
Nitrobenzene-d5
Concen: 2.451 ng
RT: 8.822 min Scan# 608
Delta R.T. -0.013 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:	82	Resp:	184408
Ion Ratio	Lower	Upper	
82	100		
128	9.1	31.7	47.5#
54	43.1	46.4	69.6#

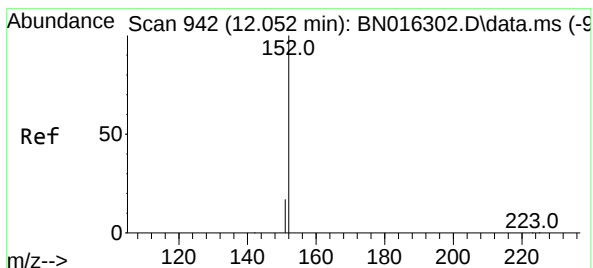
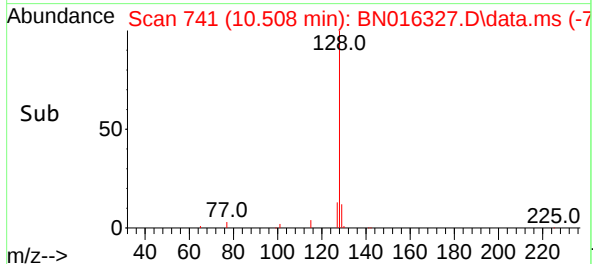
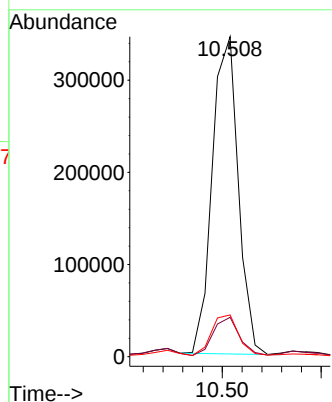
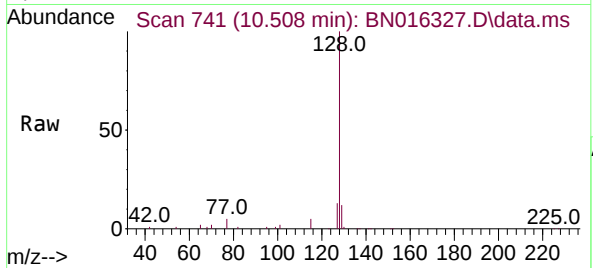




#9
Naphthalene
Concen: 1.844 ng
RT: 10.508 min Scan# 741
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

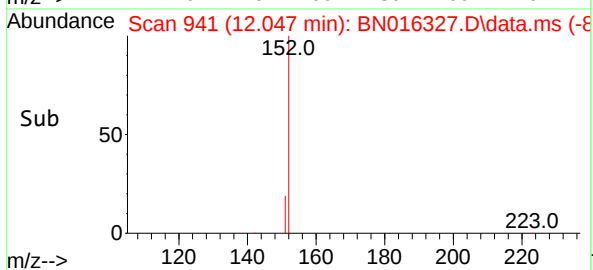
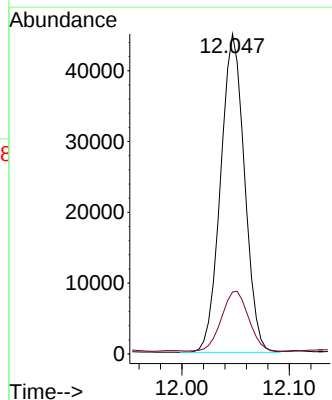
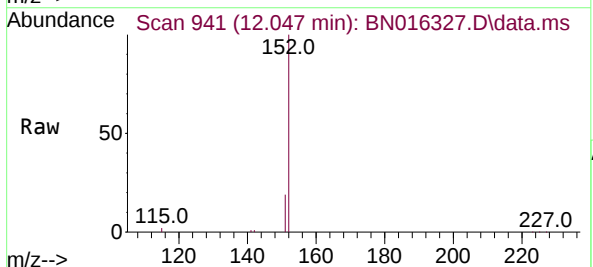
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

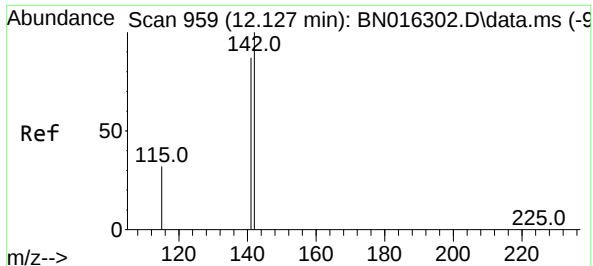
Tgt Ion:128 Resp: 629292
Ion Ratio Lower Upper
128 100
129 12.3 8.9 13.3
127 13.1 10.1 15.1



#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.005 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:152 Resp: 69624
Ion Ratio Lower Upper
152 100
151 21.6 16.1 24.1





#12

2-Methylnaphthalene

Concen: 0.320 ng

RT: 12.123 min Scan# 958

Delta R.T. -0.005 min

Lab File: BN016327.D

Acq: 18 Sep 2021 10:20

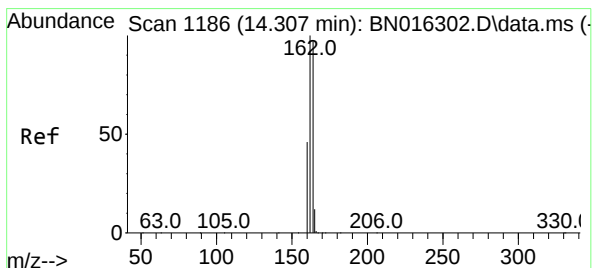
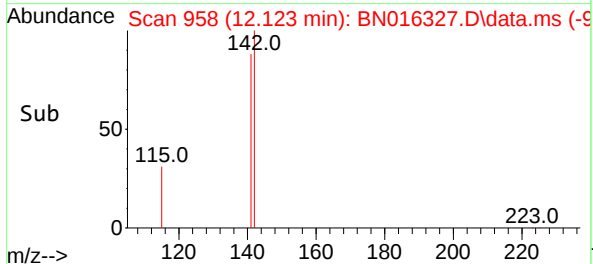
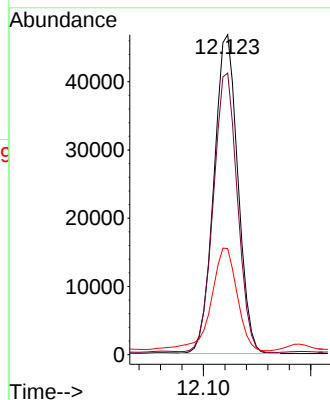
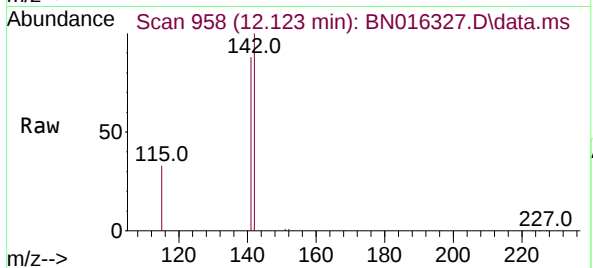
Instrument :

BNA_N

ClientSampleId :

SUP-UST-01-(5-7)

Tgt Ion:	142	Resp:	72400
Ion Ratio	Lower	Upper	
142	100		
141	88.0	69.8	104.8
115	33.2	24.4	36.6



#13

Acenaphthene-d10

Concen: 0.400 ng

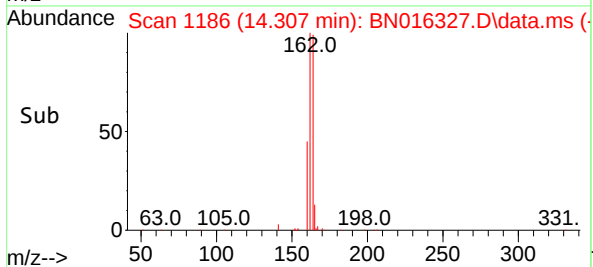
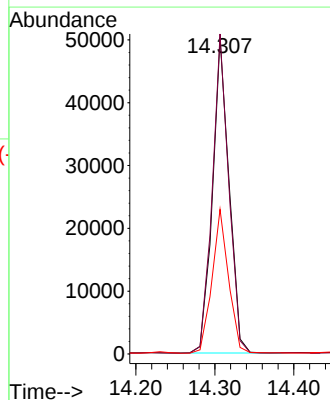
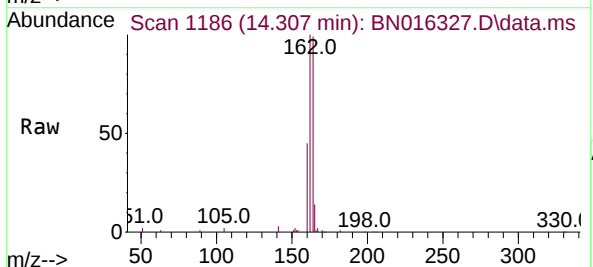
RT: 14.307 min Scan# 1186

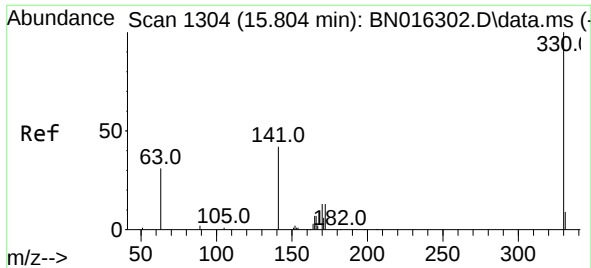
Delta R.T. -0.000 min

Lab File: BN016327.D

Acq: 18 Sep 2021 10:20

Tgt Ion:	164	Resp:	72737
Ion Ratio	Lower	Upper	
164	100		
162	101.2	79.0	118.4
160	45.7	34.1	51.1

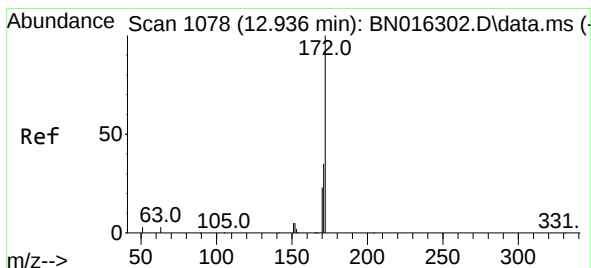
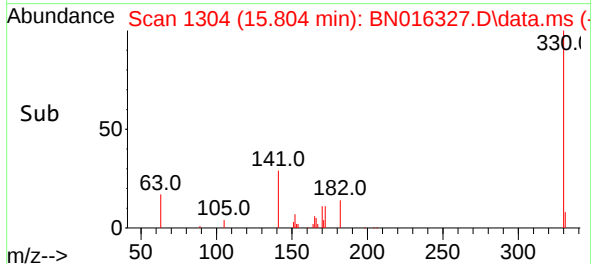
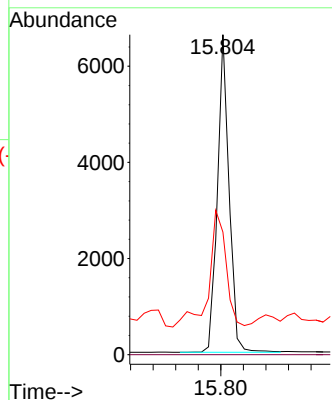
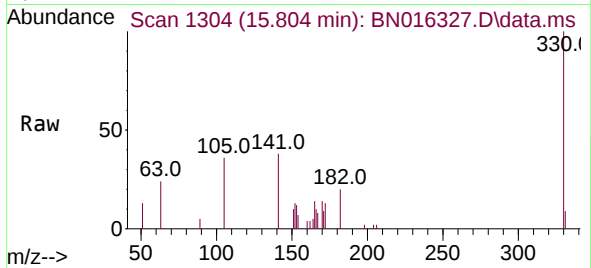




#14
2,4,6-Tribromophenol
Concen: 0.442 ng
RT: 15.804 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

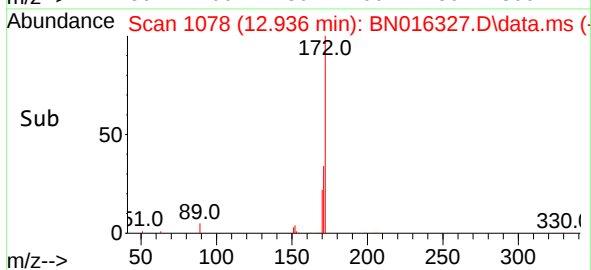
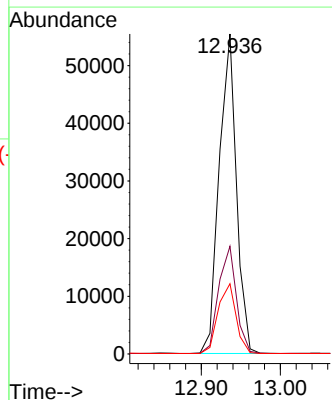
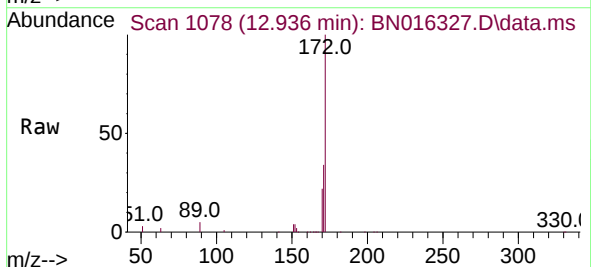
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

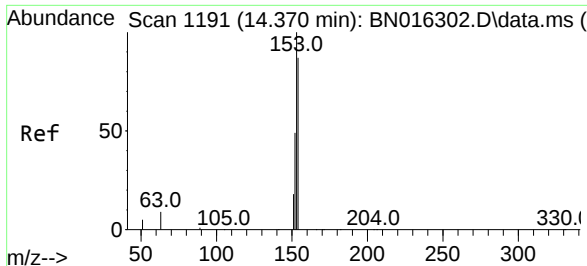
Tgt Ion:330 Resp: 9445
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 50.3 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.295 ng
RT: 12.936 min Scan# 1078
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:172 Resp: 84067
Ion Ratio Lower Upper
172 100
171 33.7 27.8 41.6
170 22.0 18.2 27.2

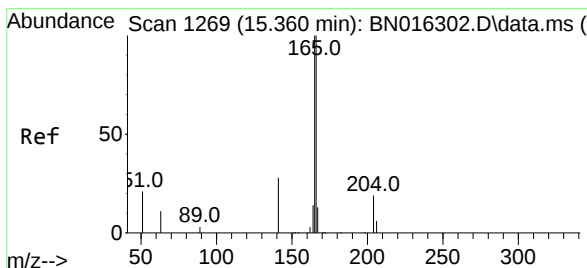
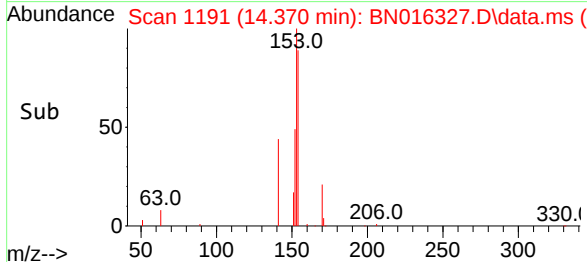
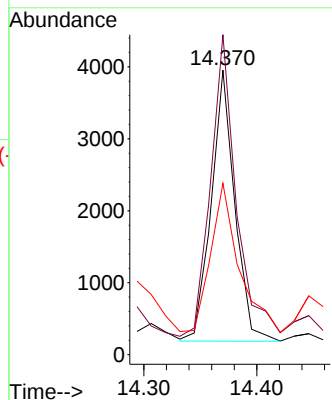
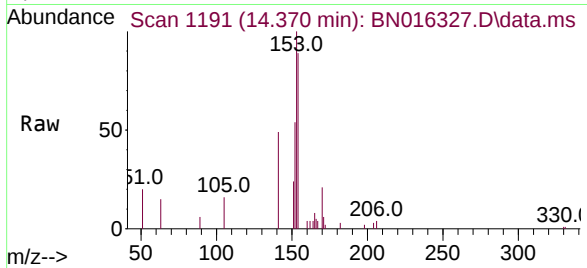




#17
Acenaphthene
Concen: 0.026 ng
RT: 14.370 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

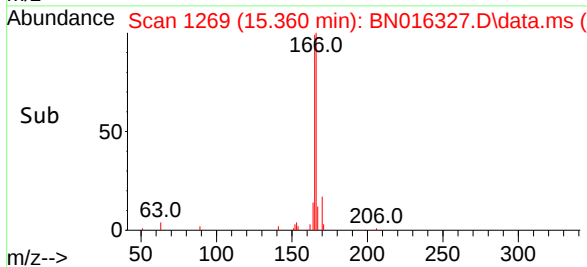
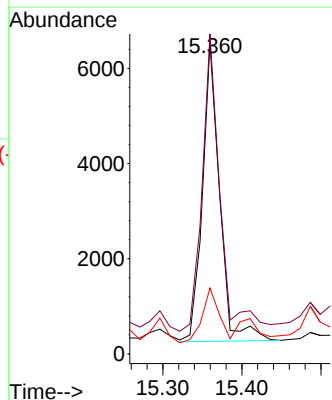
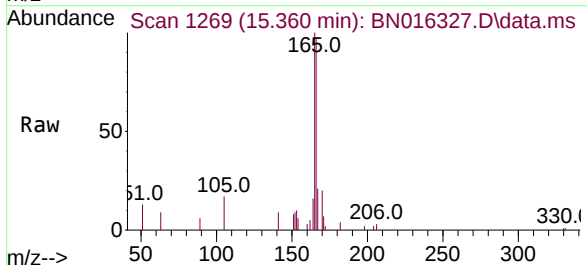
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

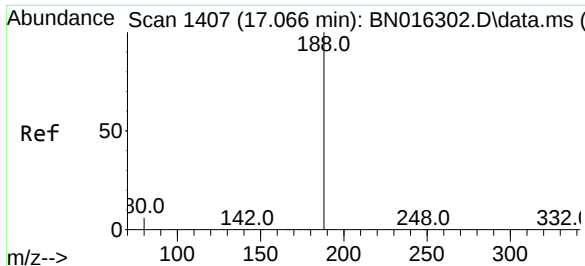
Tgt Ion:154 Resp: 5445
Ion Ratio Lower Upper
154 100
153 120.4 89.3 133.9
152 65.8 42.2 63.4#



#18
Fluorene
Concen: 0.036 ng
RT: 15.360 min Scan# 1269
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:166 Resp: 9427
Ion Ratio Lower Upper
166 100
165 103.6 76.7 115.1
167 18.2 10.9 16.3#

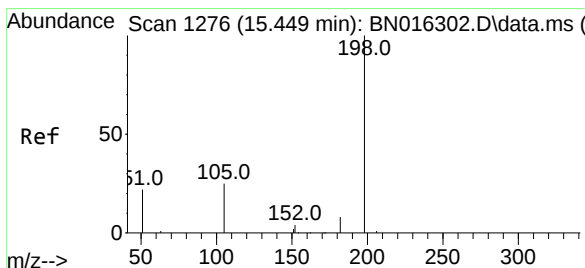
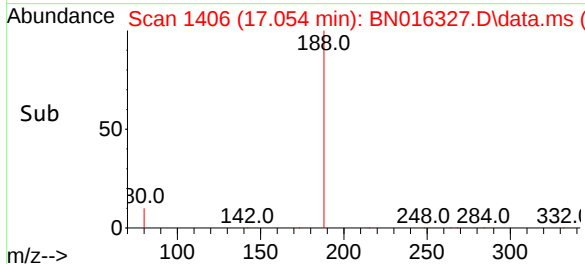
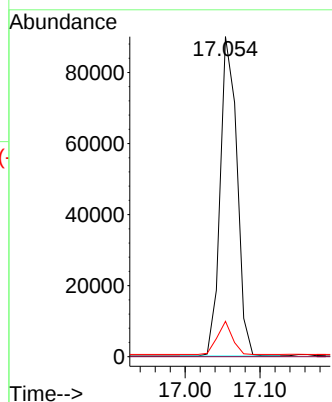
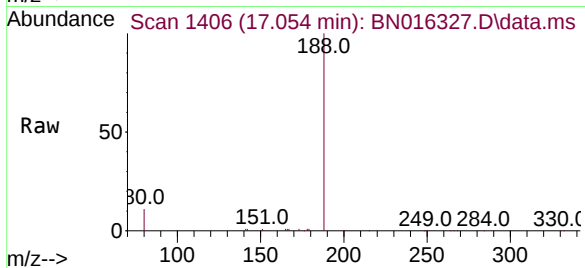




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

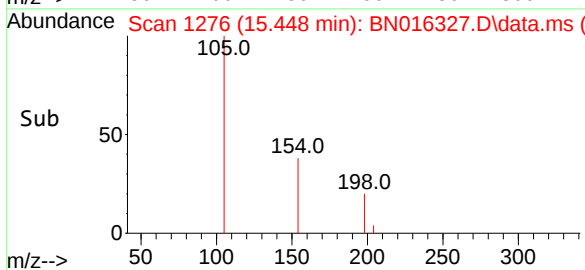
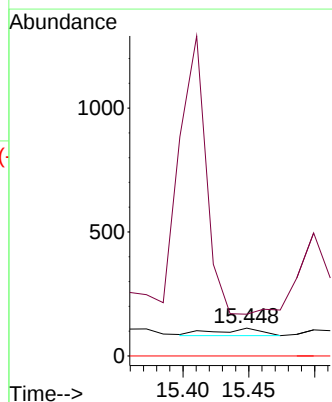
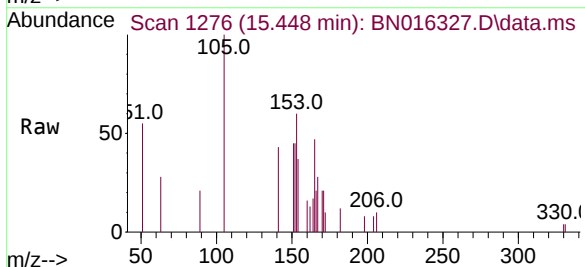
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

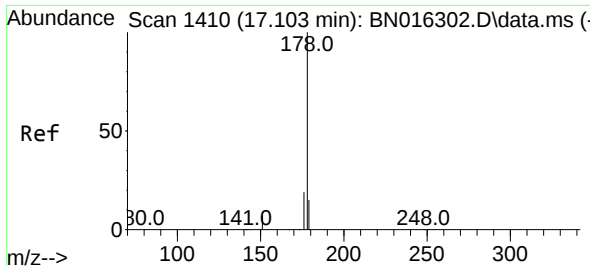
Tgt Ion:188 Resp: 139957
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 7.0 10.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.156 ng
RT: 15.448 min Scan# 1276
Delta R.T. -0.001 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:198 Resp: 71
Ion Ratio Lower Upper
198 100
182 150.0 26.6 39.8#
77 0.0 0.0 0.0

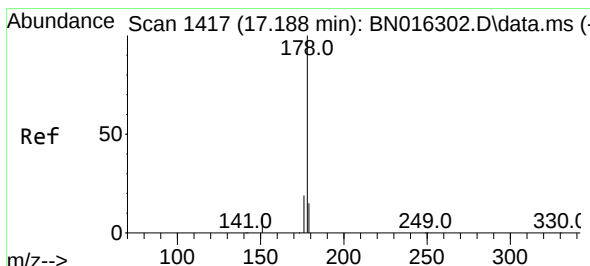
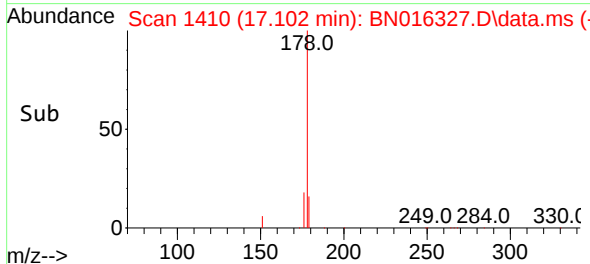
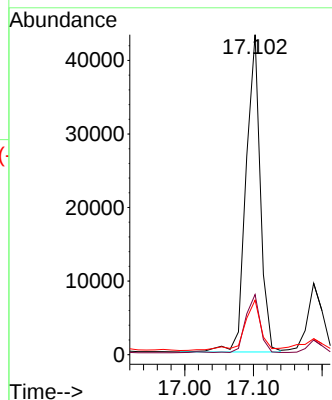
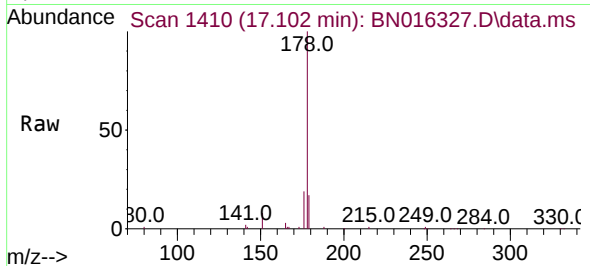




#25
Phenanthrene
Concen: 0.158 ng
RT: 17.102 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

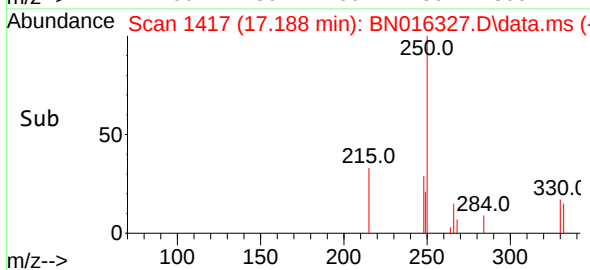
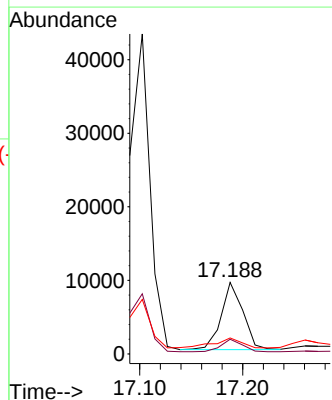
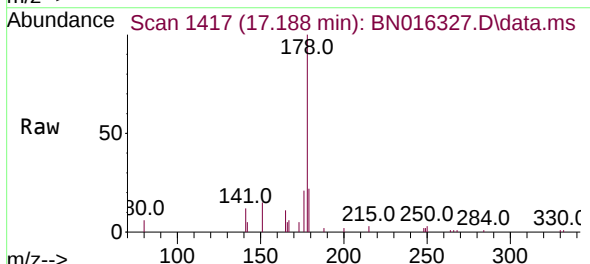
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

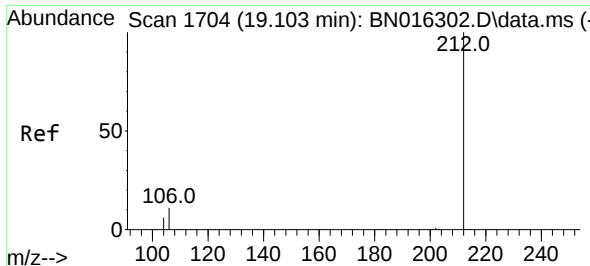
Tgt Ion:	178	Resp:	62618
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.4	21.6
179	18.2	12.2	18.4



#26
Anthracene
Concen: 0.035 ng
RT: 17.188 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:	178	Resp:	13473
Ion Ratio	Lower	Upper	
178	100		
176	17.8	13.9	20.9
179	18.1	12.2	18.4

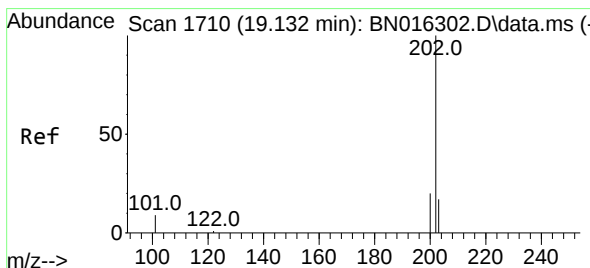
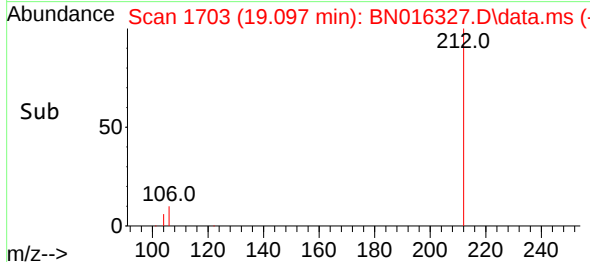
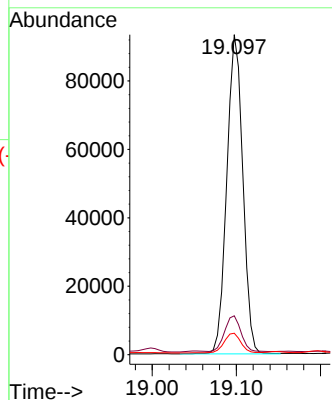
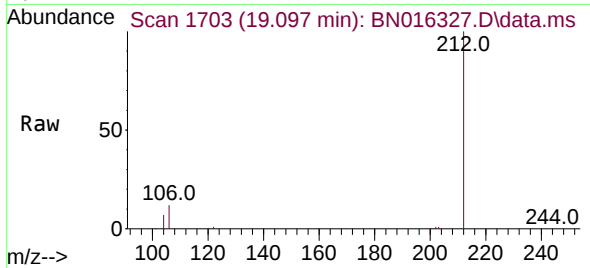




#27
Fluoranthene-d10
Concen: 0.303 ng
RT: 19.097 min Scan# 1703
Delta R.T. -0.005 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

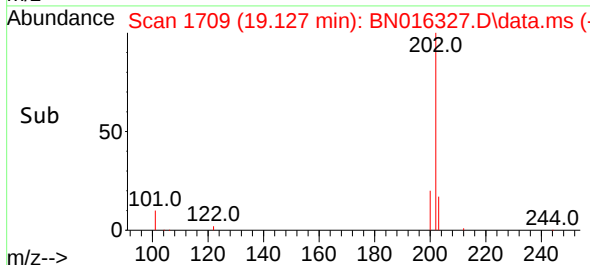
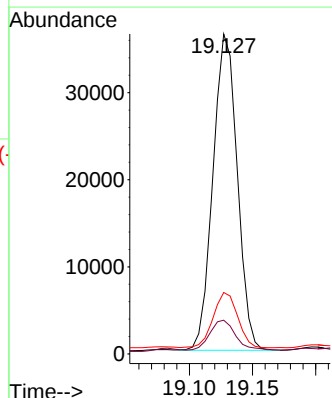
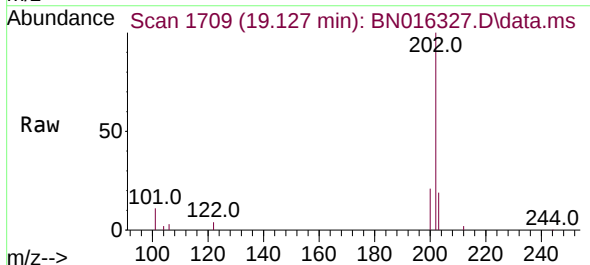
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

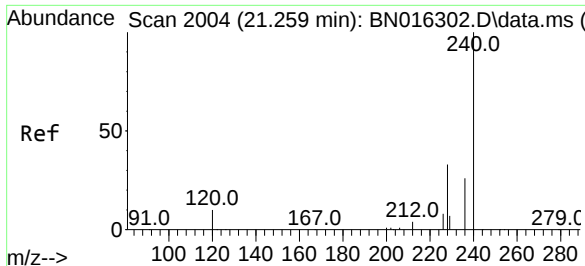
Tgt Ion:212 Resp: 122729
Ion Ratio Lower Upper
212 100
106 11.5 9.8 14.6
104 6.5 5.4 8.2



#28
Fluoranthene
Concen: 0.107 ng
RT: 19.127 min Scan# 1709
Delta R.T. -0.005 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:202 Resp: 48583
Ion Ratio Lower Upper
202 100
101 10.3 8.5 12.7
203 17.6 13.8 20.8

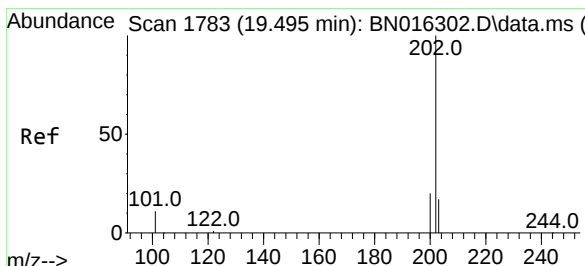
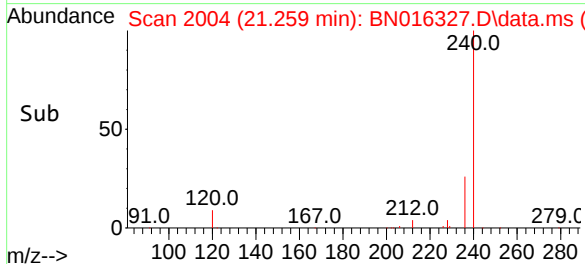
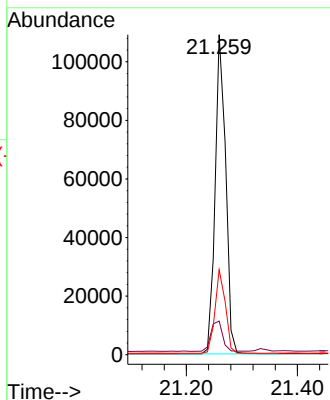
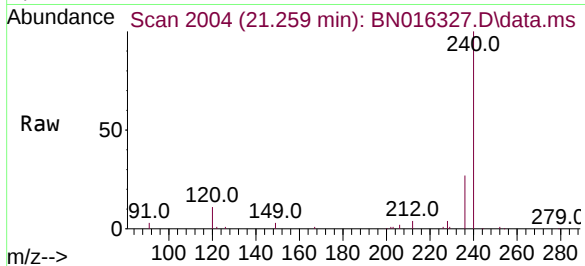




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

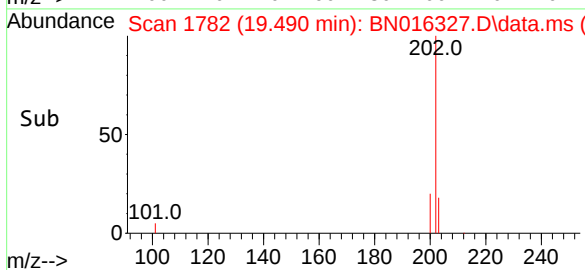
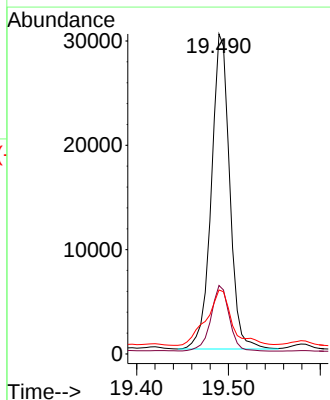
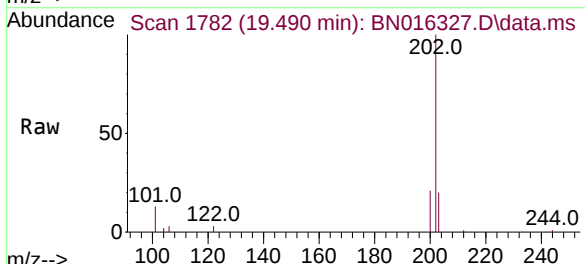
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

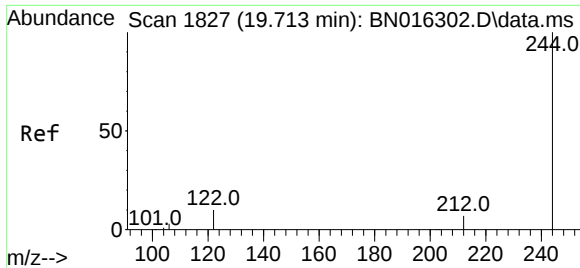
Tgt Ion:240 Resp: 143433
Ion Ratio Lower Upper
240 100
120 10.5 5.3 7.9#
236 26.6 19.8 29.8



#30
Pyrene
Concen: 0.092 ng
RT: 19.490 min Scan# 1782
Delta R.T. -0.005 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:202 Resp: 41789
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.6
203 24.2 13.9 20.9#

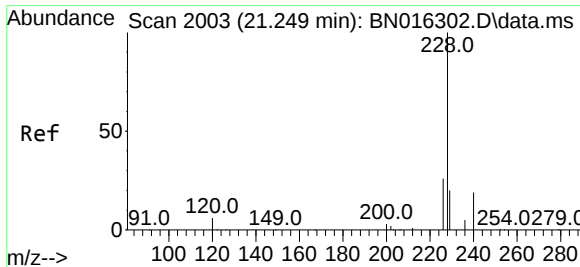
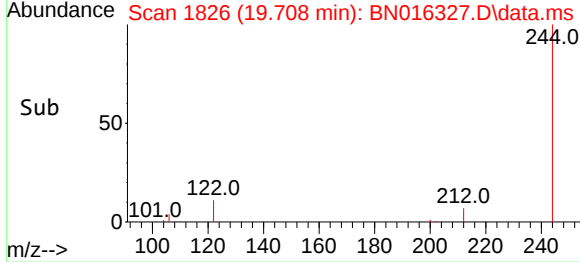
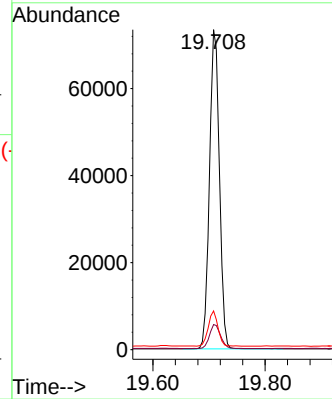
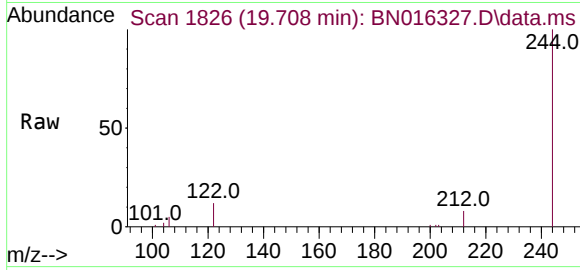




#31
Terphenyl-d14
Concen: 0.271 ng
RT: 19.708 min Scan# 1826
Delta R.T. -0.005 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

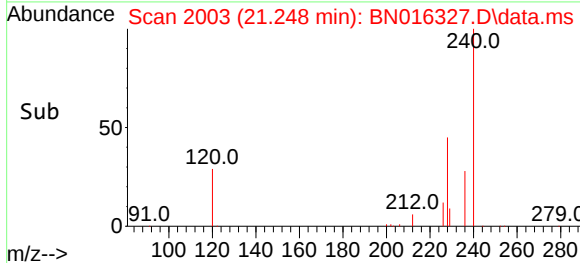
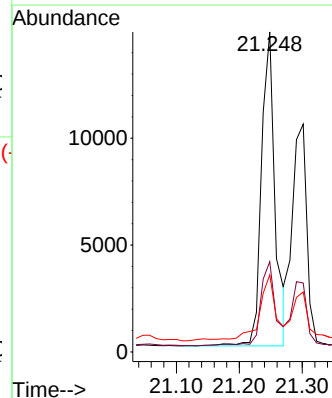
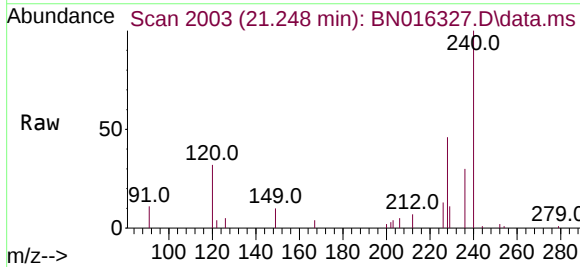
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

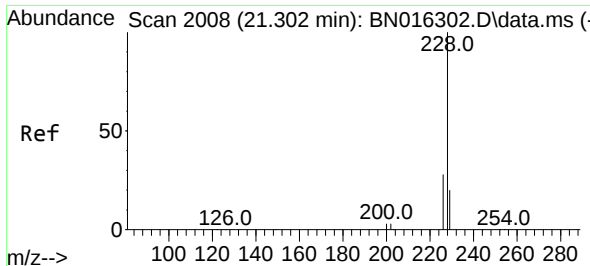
Tgt Ion:244 Resp: 89928
Ion Ratio Lower Upper
244 100
212 7.8 5.5 8.3
122 12.1 9.0 13.4



#32
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.248 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:228 Resp: 22080
Ion Ratio Lower Upper
228 100
226 28.2 20.8 31.2
229 24.1 15.8 23.6#

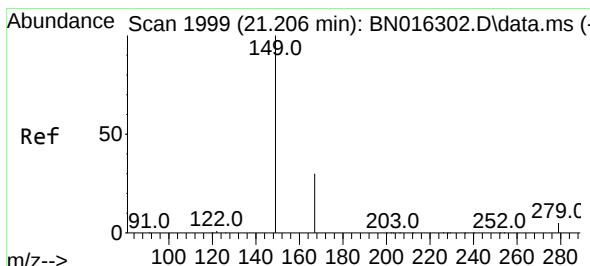
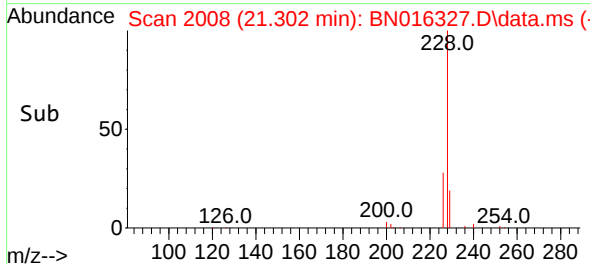
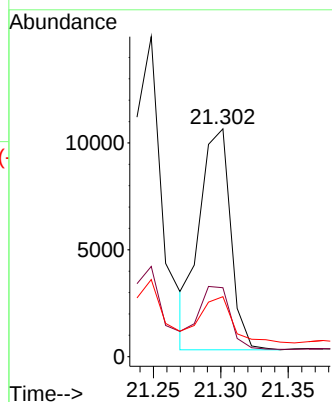
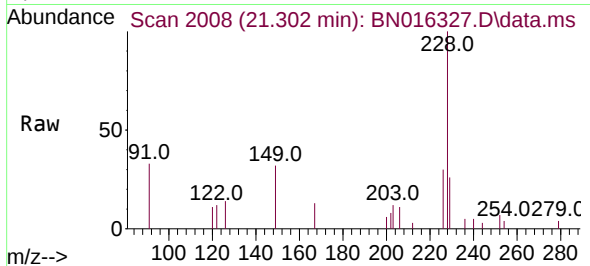




#33
Chrysene
Concen: 0.037 ng
RT: 21.302 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

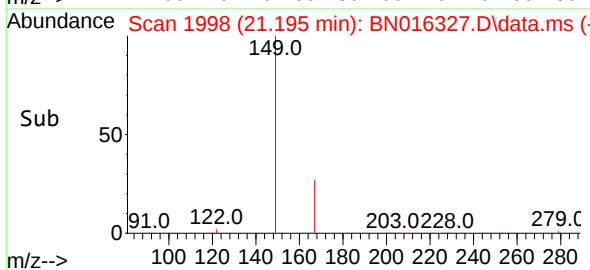
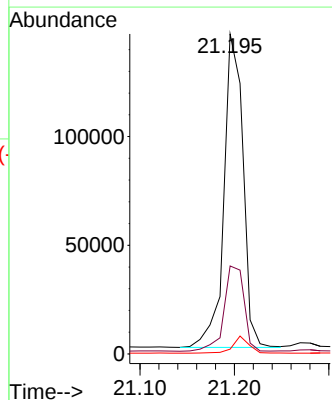
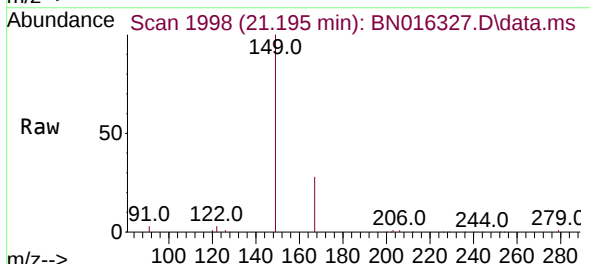
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

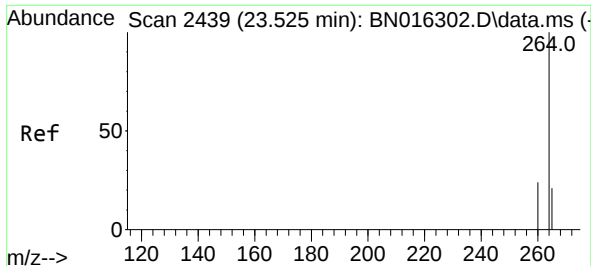
Tgt Ion:228	Resp:	16621
Ion Ratio	Lower	Upper
228	100	
226	30.3	23.0 34.4
229	26.3	15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.817 ng
RT: 21.195 min Scan# 1998
Delta R.T. -0.011 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:149	Resp:	203014
Ion Ratio	Lower	Upper
149	100	
167	28.4	23.4 35.0
279	4.4	3.9 5.9

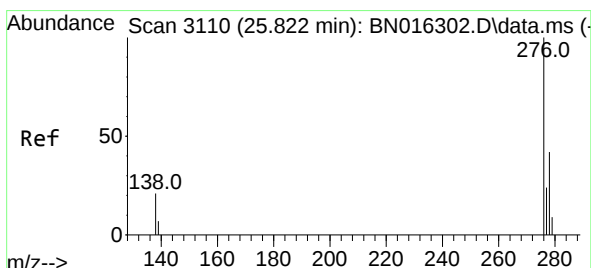
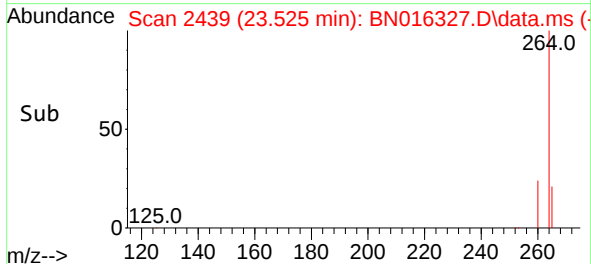
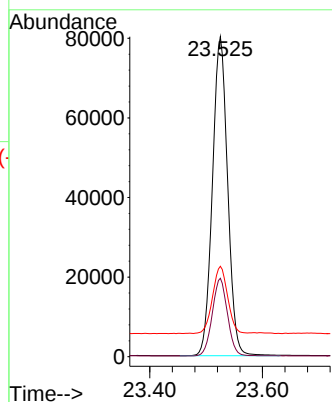
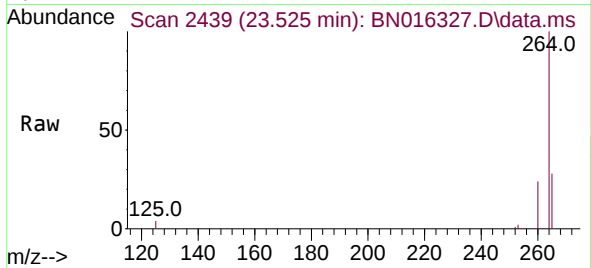




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.525 min Scan# 2439
 Delta R.T. -0.000 min
 Lab File: BN016327.D
 Acq: 18 Sep 2021 10:20

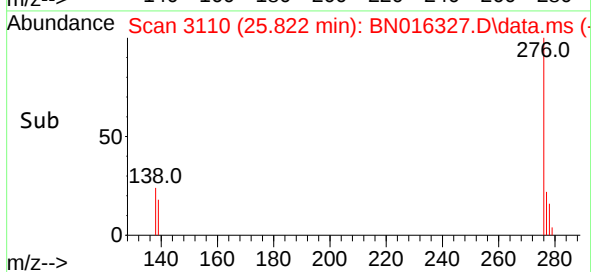
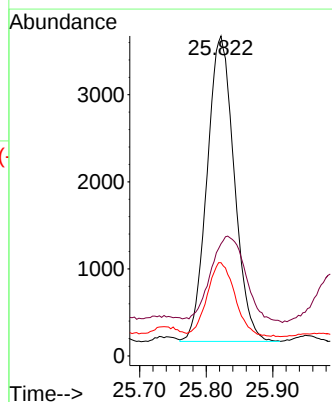
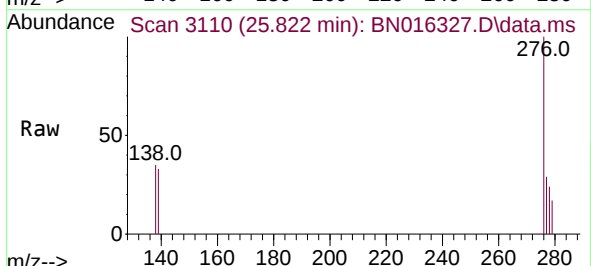
Instrument :
 BNA_N
 ClientSampleId :
 SUP-UST-01-(5-7)

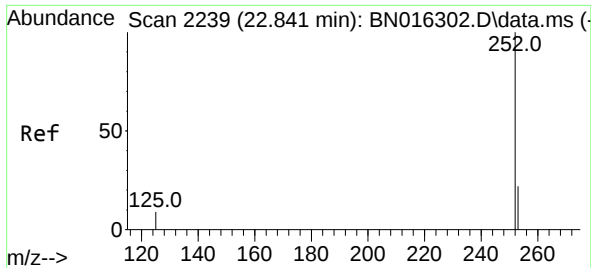
Tgt Ion:264	Resp:	149912
Ion Ratio	Lower	Upper
264	100	
260	24.5	18.9 28.3
265	28.3	23.7 35.5



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 25.822 min Scan# 3110
 Delta R.T. -0.000 min
 Lab File: BN016327.D
 Acq: 18 Sep 2021 10:20

Tgt Ion:276	Resp:	9905
Ion Ratio	Lower	Upper
276	100	
138	36.6	19.3 28.9#
277	24.8	20.2 30.2

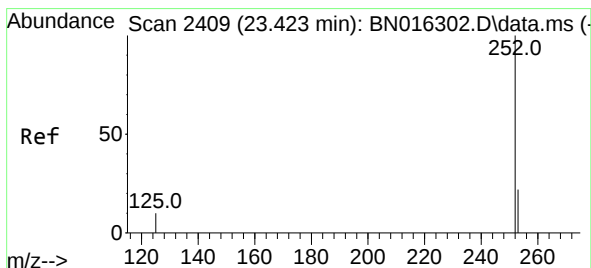
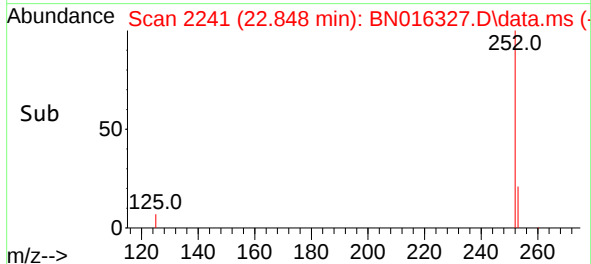
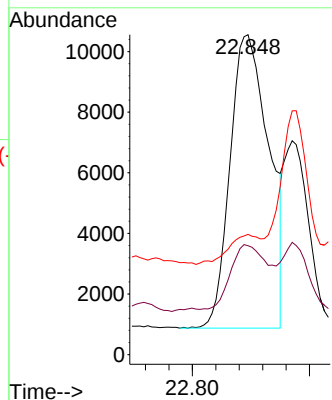
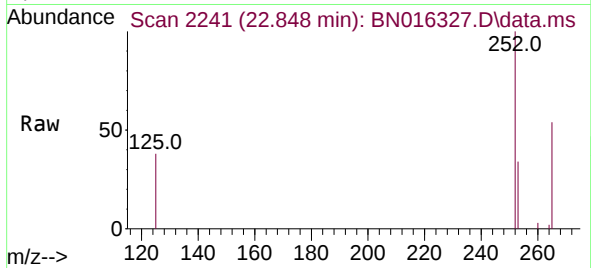




#37
Benzo(b)fluoranthene
Concen: 0.047 ng
RT: 22.848 min Scan# 2241
Delta R.T. 0.007 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

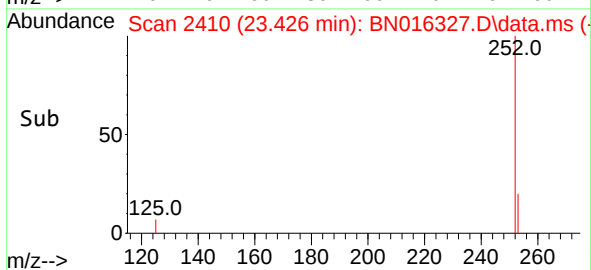
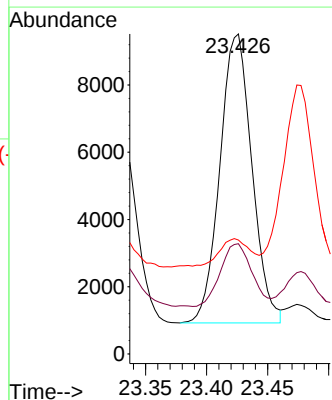
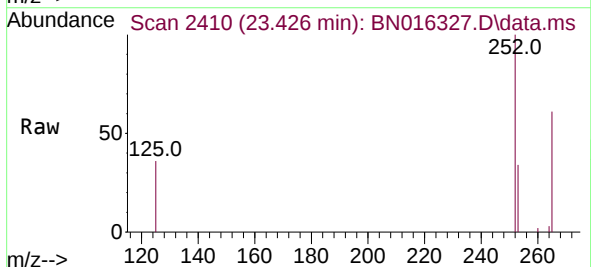
Instrument :
BNA_N
ClientSampleId :
SUP-UST-01-(5-7)

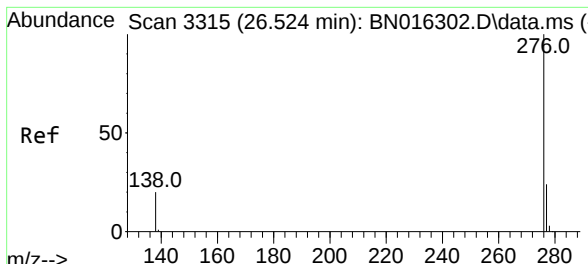
Tgt Ion:252 Resp: 22259
Ion Ratio Lower Upper
252 100
253 34.1 18.2 27.2#
125 37.6 8.4 12.6#



#39
Benzo(a)pyrene
Concen: 0.036 ng
RT: 23.426 min Scan# 2410
Delta R.T. 0.003 min
Lab File: BN016327.D
Acq: 18 Sep 2021 10:20

Tgt Ion:252 Resp: 15701
Ion Ratio Lower Upper
252 100
253 34.5 18.7 28.1#
125 35.6 9.9 14.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.022 ng
 RT: 26.524 min Scan# 3315
 Delta R.T. -0.000 min
 Lab File: BN016327.D
 Acq: 18 Sep 2021 10:20

Instrument :
 BNA_N
 ClientSampleId :
 SUP-UST-01-(5-7)

Tgt Ion:	276	Resp:	9190
Ion Ratio	Lower	Upper	
276	100		
277	29.5	20.5	30.7
138	30.2	18.2	27.4#

