

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102722\
 Data File : BN022355.D
 Acq On : 27 Oct 2022 04:25
 Operator : CG/JU
 Sample : N5234-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-04-15-3

Quant Time: Oct 27 08:33:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 07:14:22 2022
 Response via : Initial Calibration

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

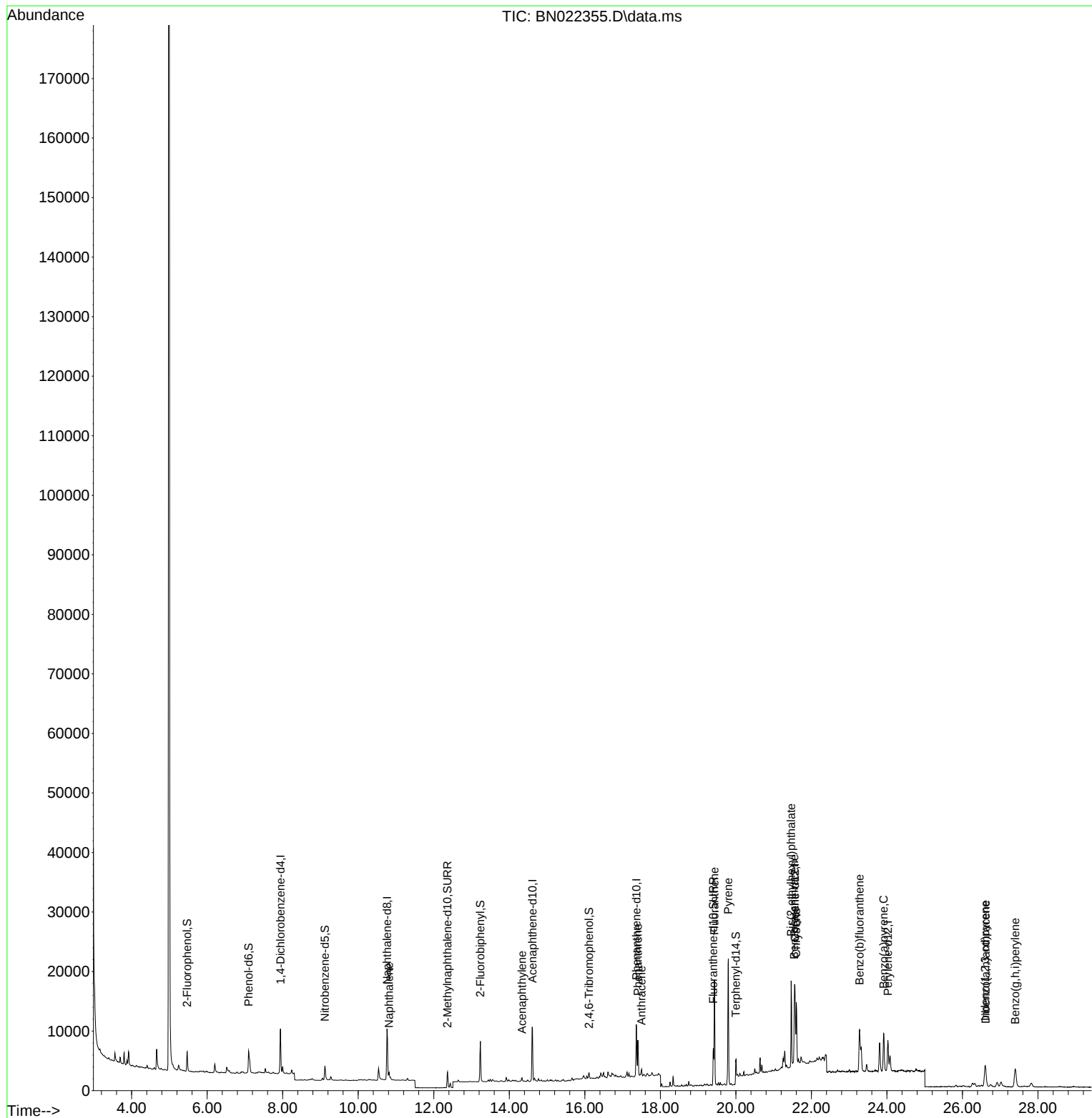
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	3940	0.400	ng	0.00
7) Naphthalene-d8	10.762	136	12122	0.400	ng	#-0.01
13) Acenaphthene-d10	14.614	164	5872	0.400	ng	0.00
19) Phenanthrene-d10	17.366	188	11300	0.400	ng	# 0.00
29) Chrysene-d12	21.563	240	8366	0.400	ng	0.00
35) Perylene-d12	24.025	264	7672	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.472	112	2919	0.278	ng	0.00
5) Phenol-d6	7.097	99	3788	0.288	ng	0.00
8) Nitrobenzene-d5	9.118	82	2359	0.225	ng	0.00
11) 2-Methylnaphthalene-d10	12.364	152	3999	0.210	ng	0.00
14) 2,4,6-Tribromophenol	16.112	330	557	0.221	ng	0.00
15) 2-Fluorobiphenyl	13.235	172	6122	0.244	ng	0.00
27) Fluoranthene-d10	19.402	212	6400	0.205	ng	0.00
31) Terphenyl-d14	20.001	244	5415	0.248	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.816	128	1416	0.039	ng	# 87
16) Acenaphthylene	14.336	152	837	0.029	ng	97
25) Phenanthrene	17.403	178	6460	0.167	ng	97
26) Anthracene	17.502	178	1283	0.039	ng	98
28) Fluoranthene	19.432	202	15634	0.372	ng	99
30) Pyrene	19.799	202	18939	0.492	ng	97
32) Benzo(a)anthracene	21.546	228	9650	0.293	ng	96
33) Chrysene	21.599	228	10192	0.296	ng	96
34) Bis(2-ethylhexyl)phtha...	21.465	149	13793	0.620	ng	98
36) Indeno(1,2,3-cd)pyrene	26.604	276	6438	0.170	ng	# 79
37) Benzo(b)fluoranthene	23.274	252	12760	0.363	ng	# 91
39) Benzo(a)pyrene	23.914	252	9660	0.338	ng	97
40) Dibenzo(a,h)anthracene	26.615	278	1570	0.053	ng	# 49
41) Benzo(g,h,i)perylene	27.396	276	6952	0.223	ng	95

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

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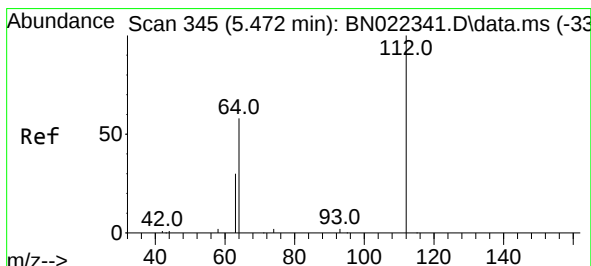
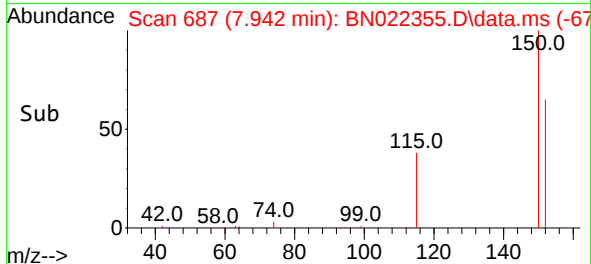
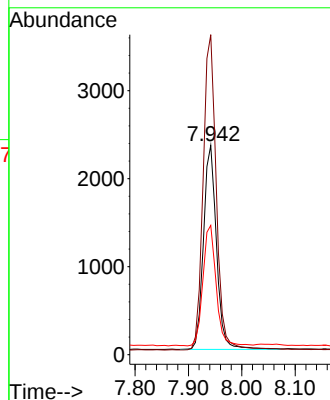
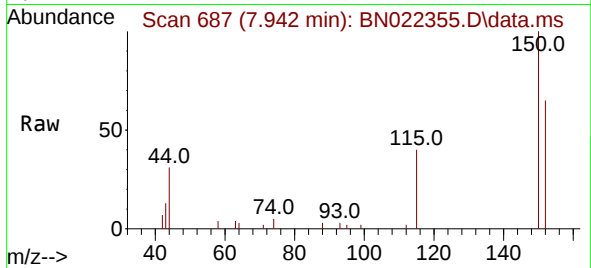




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.942 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

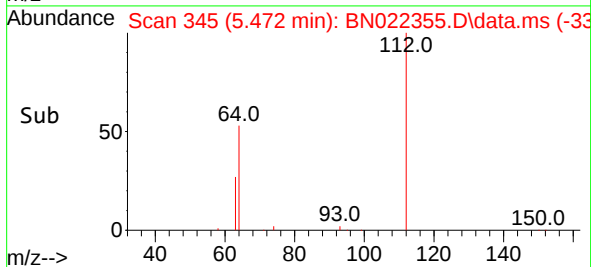
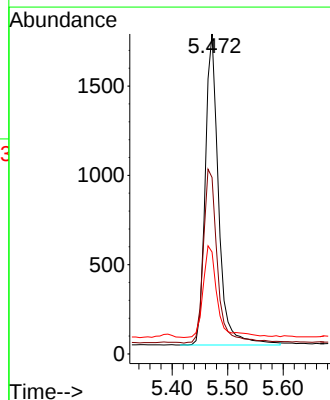
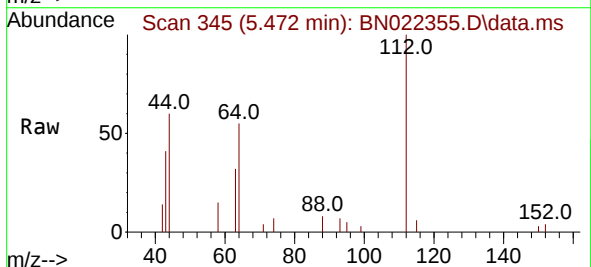
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BNA_N
ClientSampleId :
LSP-SS-04-15-3

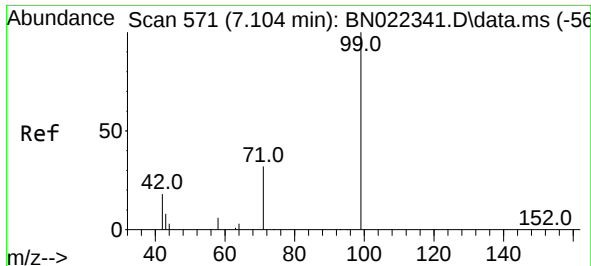
Tgt Ion:152 Resp: 3940
Ion Ratio Lower Upper
152 100
150 152.9 125.2 187.8
115 61.8 52.0 78.0



#4
2-Fluorophenol
Concen: 0.278 ng
RT: 5.472 min Scan# 345
Delta R.T. -0.000 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion:112 Resp: 2919
Ion Ratio Lower Upper
112 100
64 59.0 47.0 70.4
63 31.6 24.5 36.7

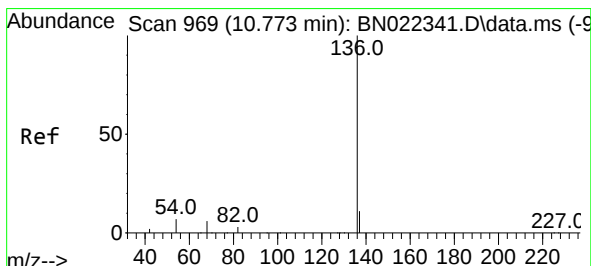
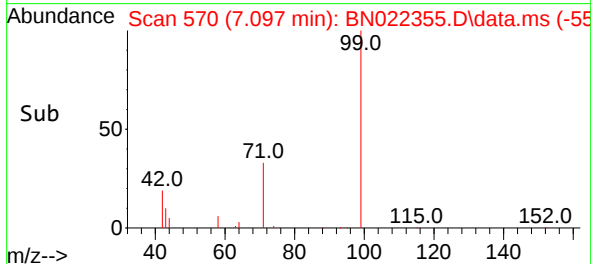
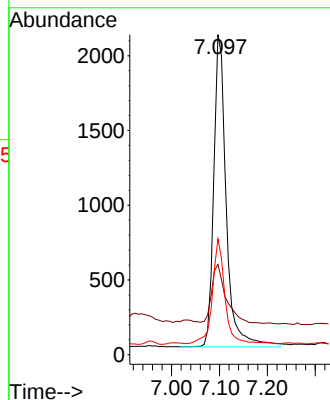
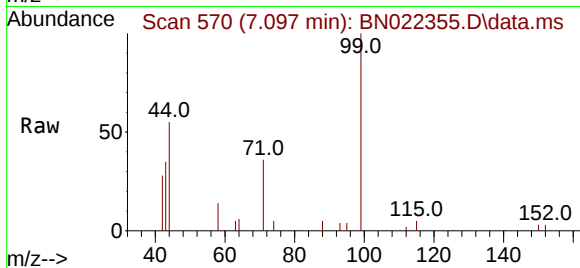




#5
Phenol-d6
Concen: 0.288 ng
RT: 7.097 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

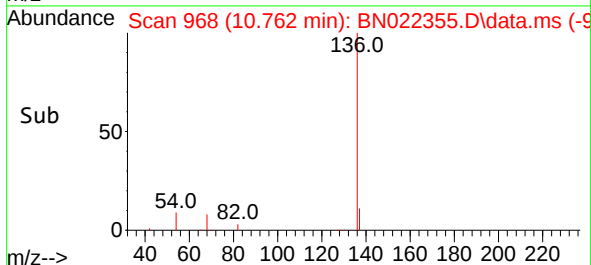
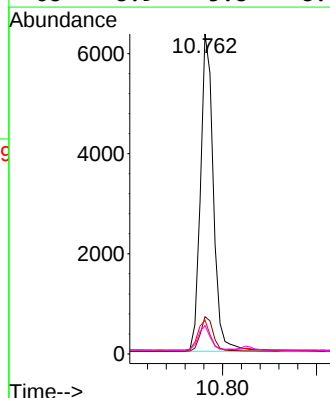
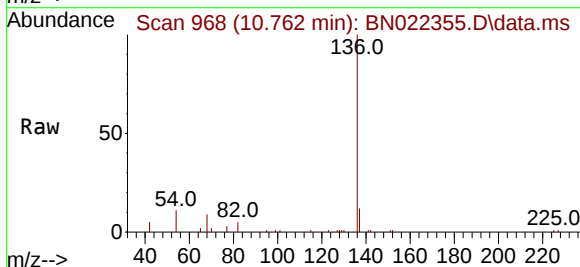
Instrument :
BNA_N
ClientSampleId :
LSP-SS-04-15-3

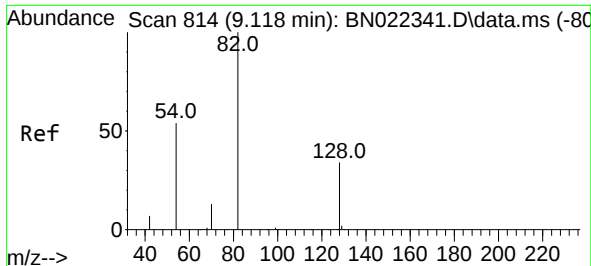
Tgt Ion: 99 Resp: 3788
Ion Ratio Lower Upper
99 100
42 21.5 16.3 24.5
71 33.5 26.1 39.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.762 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion: 136 Resp: 12122
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.2
54 10.6 6.5 9.7#
68 8.9 5.8 8.8#

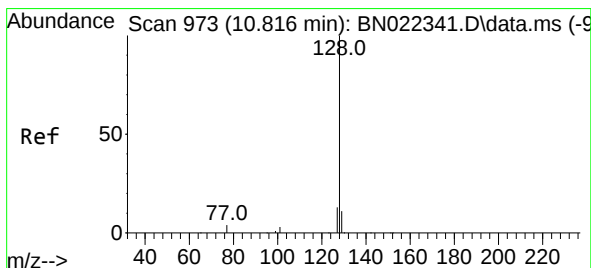
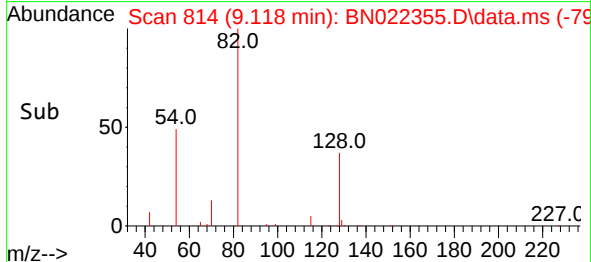
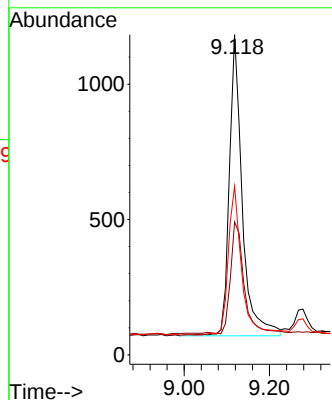
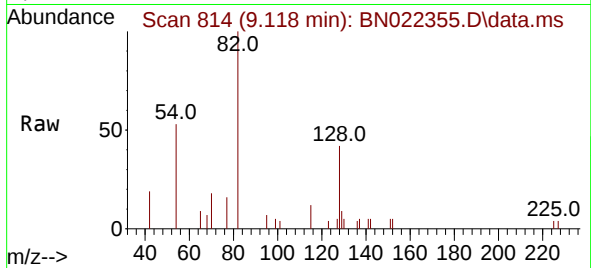




#8
Nitrobenzene-d5
Concen: 0.225 ng
RT: 9.118 min Scan# 814
Delta R.T. -0.000 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

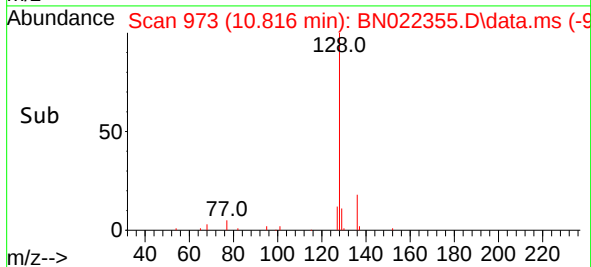
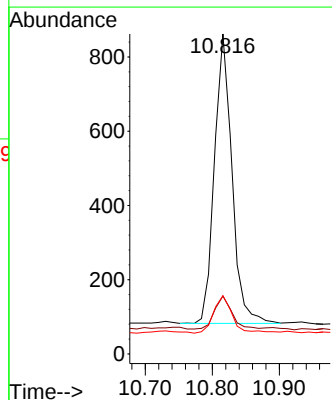
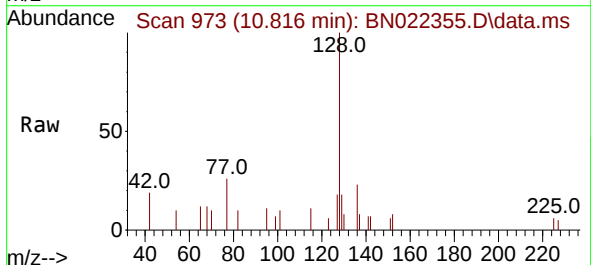
Instrument :
BNA_N
ClientSampleId :
LSP-SS-04-15-3

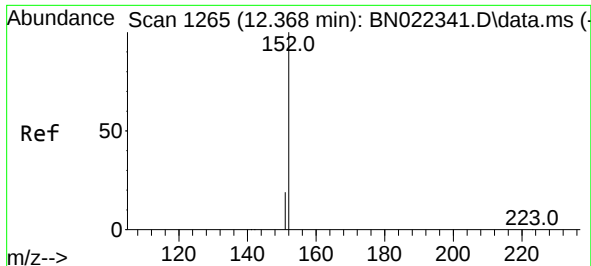
Tgt Ion: 82 Resp: 2359
Ion Ratio Lower Upper
82 100
128 41.5 30.5 45.7
54 52.7 45.2 67.8



#9
Naphthalene
Concen: 0.039 ng
RT: 10.816 min Scan# 973
Delta R.T. -0.000 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion: 128 Resp: 1416
Ion Ratio Lower Upper
128 100
129 18.1 9.4 14.2#
127 18.2 11.0 16.6#

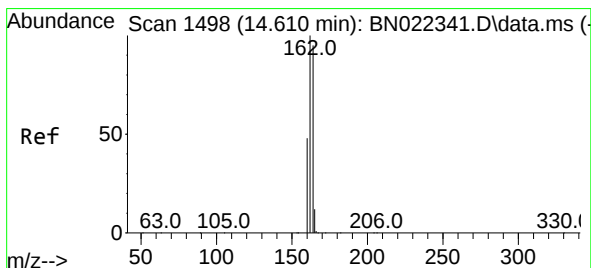
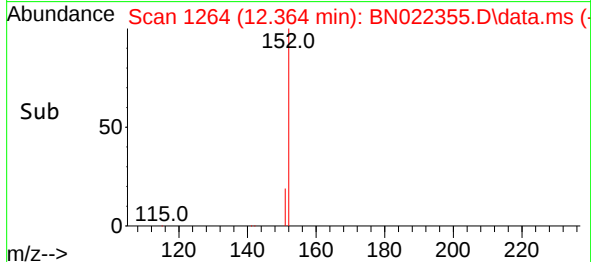
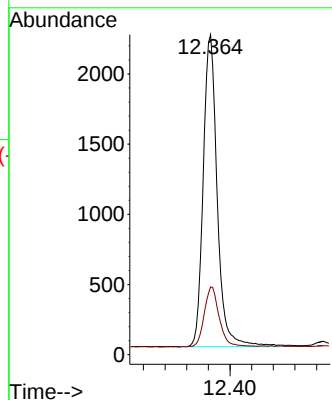
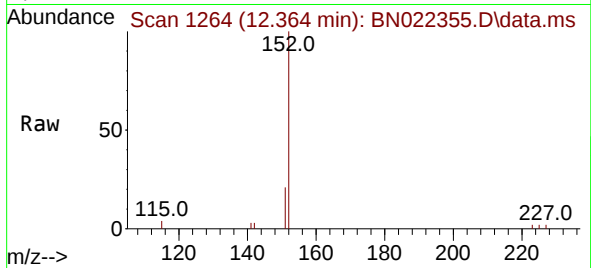




#11
2-Methylnaphthalene-d10
Concen: 0.210 ng
RT: 12.364 min Scan# 1264
Delta R.T. -0.004 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

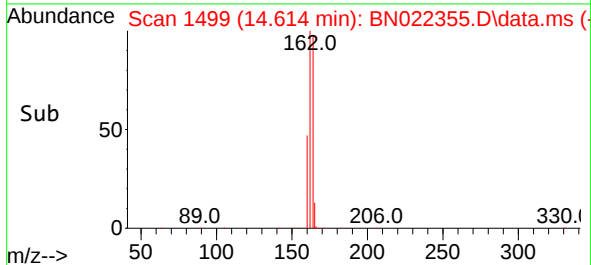
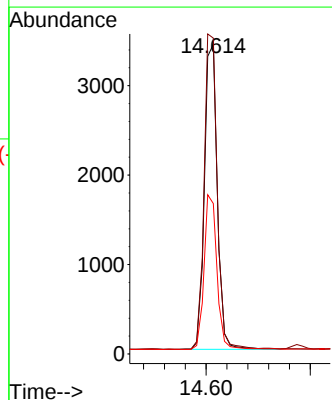
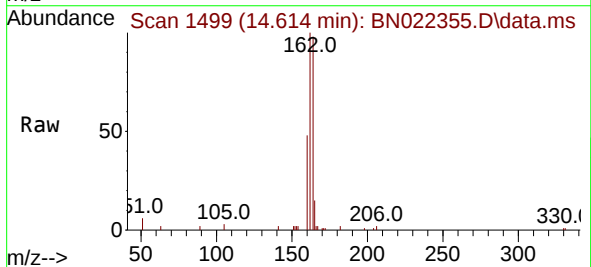
Instrument :
BNA_N
ClientSampleId :
LSP-SS-04-15-3

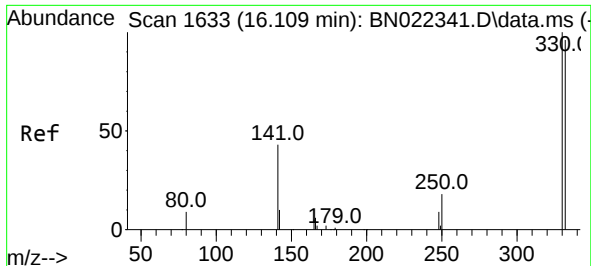
Tgt Ion:152 Resp: 3999
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.614 min Scan# 1499
Delta R.T. 0.004 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion:164 Resp: 5872
Ion Ratio Lower Upper
164 100
162 101.9 83.9 125.9
160 48.6 41.0 61.4

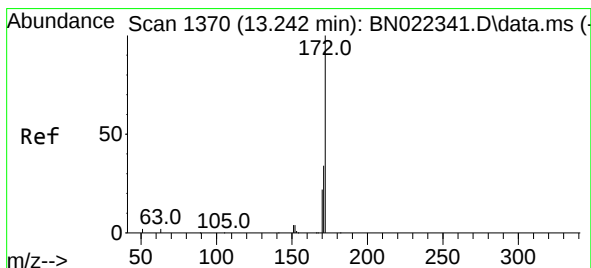
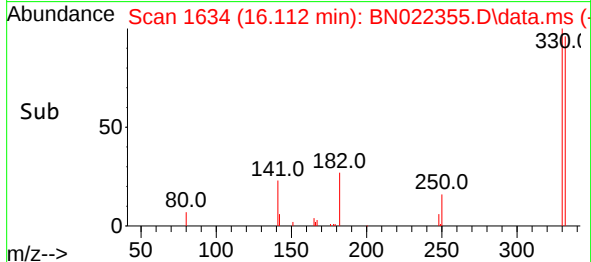
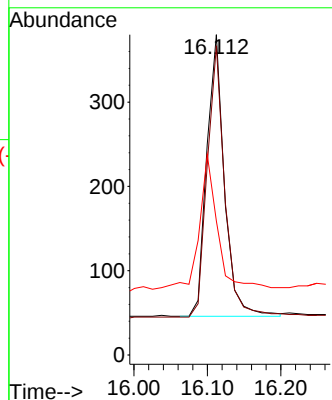
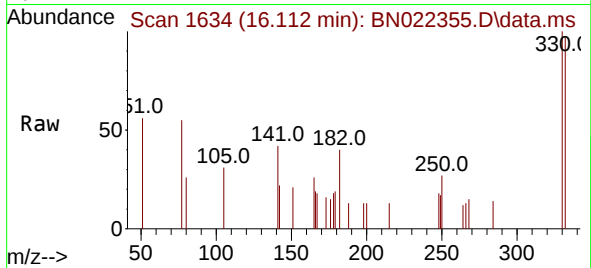




#14
2,4,6-Tribromophenol
Concen: 0.221 ng
RT: 16.112 min Scan# 1634
Delta R.T. 0.003 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

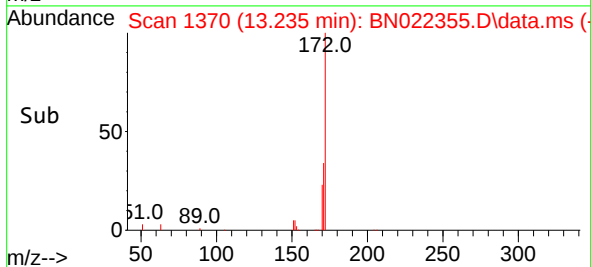
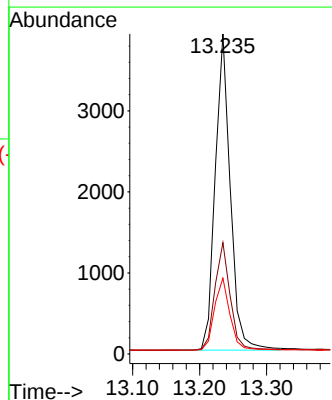
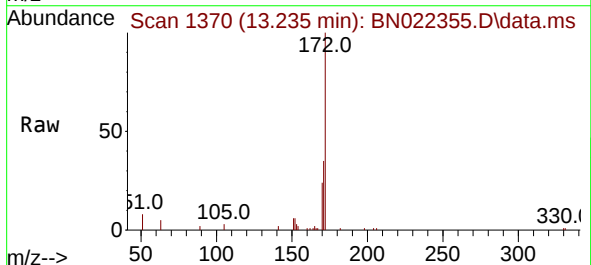
Instrument :
BNA_N
ClientSampleId :
LSP-SS-04-15-3

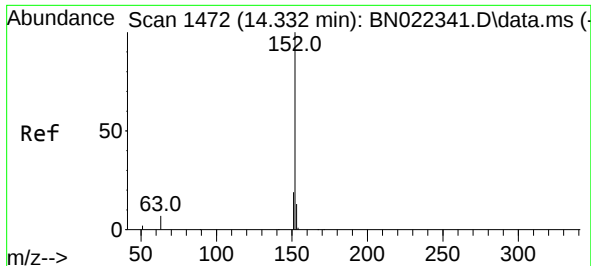
Tgt Ion:330 Resp: 557
Ion Ratio Lower Upper
330 100
332 96.6 78.6 118.0
141 45.4 40.2 60.4



#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 13.235 min Scan# 1370
Delta R.T. -0.007 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion:172 Resp: 6122
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.0
170 23.7 18.5 27.7

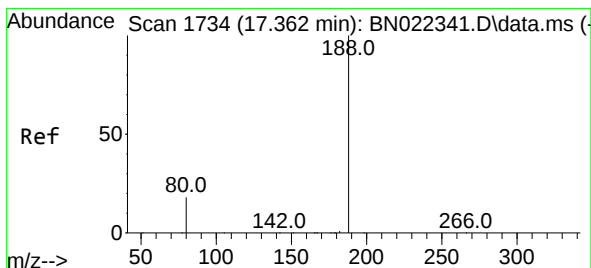
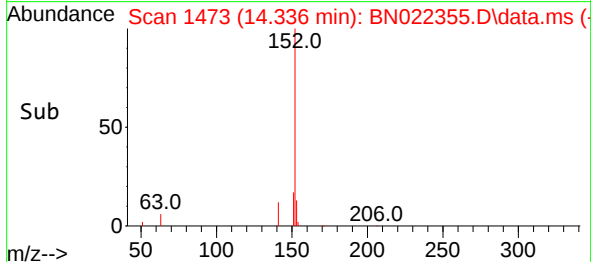
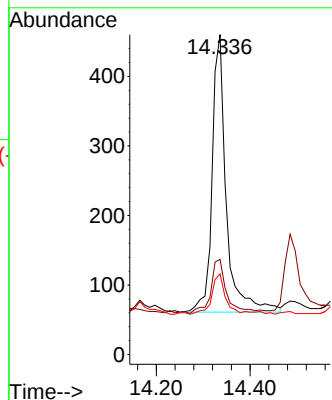
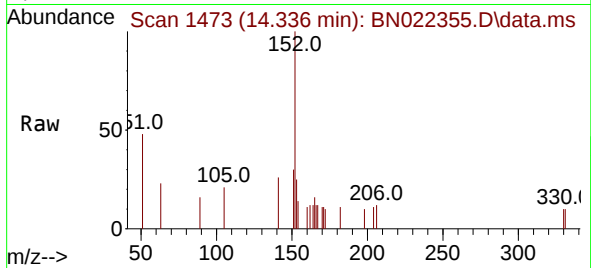




#16
Acenaphthylene
Concen: 0.029 ng
RT: 14.336 min Scan# 1472
Delta R.T. 0.004 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

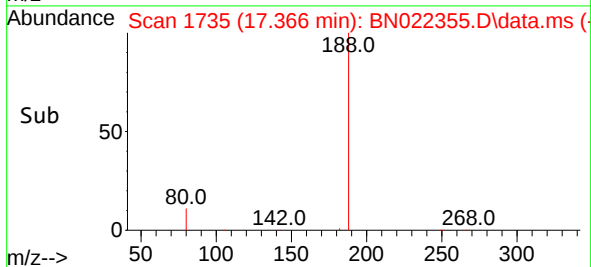
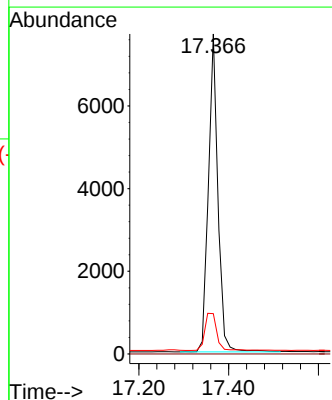
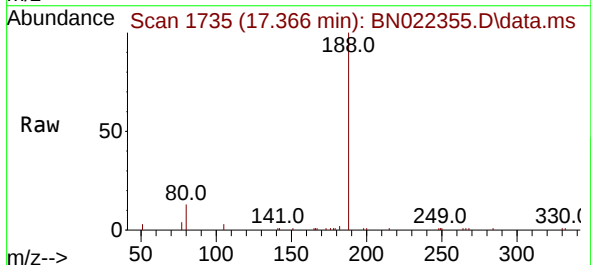
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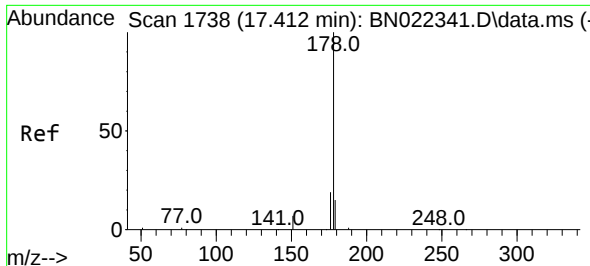
Tgt Ion:152 Resp: 837
Ion Ratio Lower Upper
152 100
151 20.2 15.2 22.8
153 14.2 10.3 15.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.366 min Scan# 1735
Delta R.T. 0.003 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion:188 Resp: 11300
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.6 15.0 22.6#

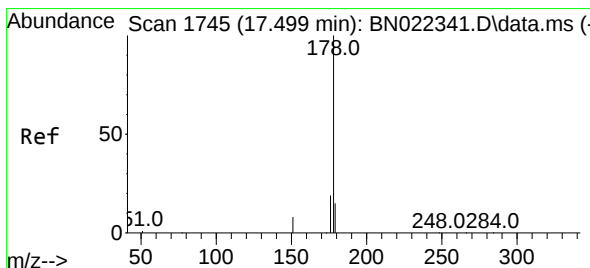
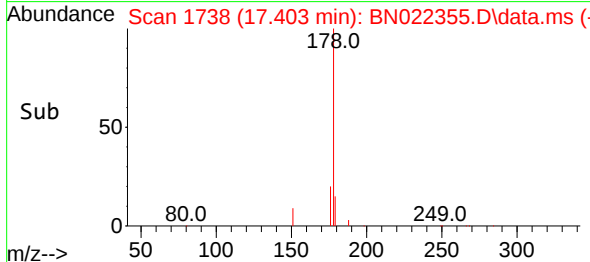
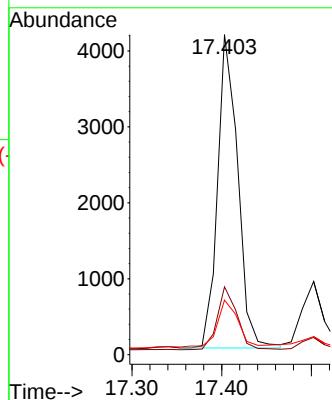
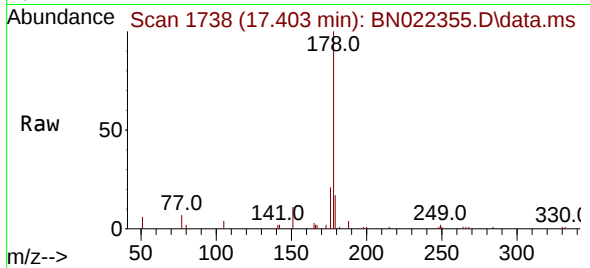




#25
Phenanthrene
Concen: 0.167 ng
RT: 17.403 min Scan# 1738
Delta R.T. -0.009 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

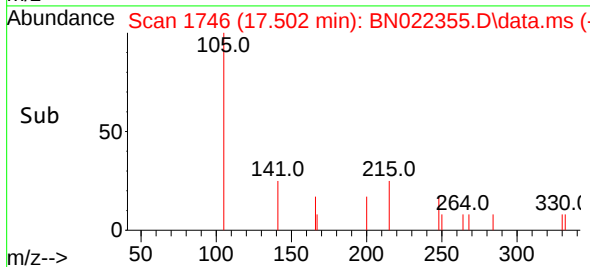
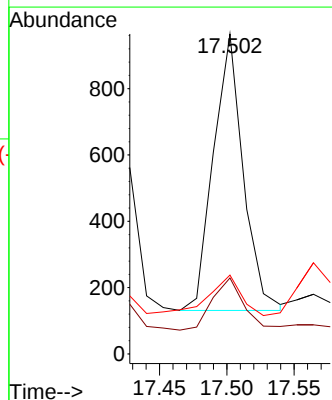
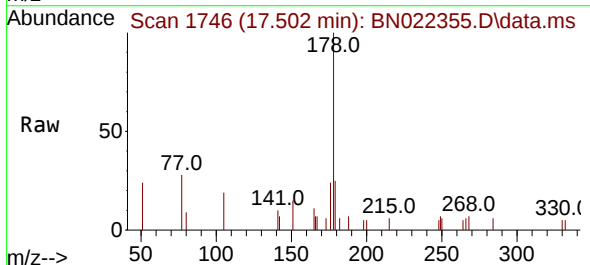
Instrument :
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LSP-SS-04-15-3

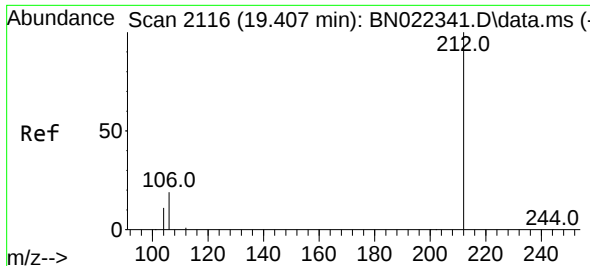
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Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 17.7 12.5 18.7



#26
Anthracene
Concen: 0.039 ng
RT: 17.502 min Scan# 1746
Delta R.T. 0.003 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion:178 Resp: 1283
Ion Ratio Lower Upper
178 100
176 20.2 15.0 22.4
179 15.8 12.2 18.4

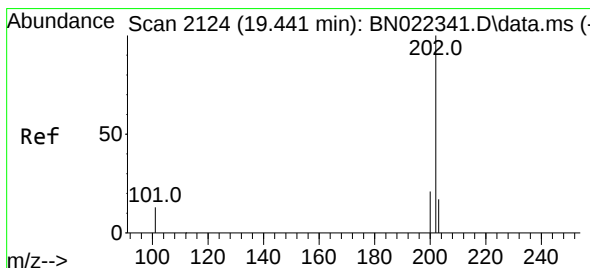
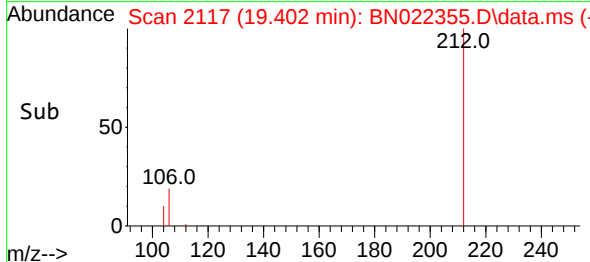
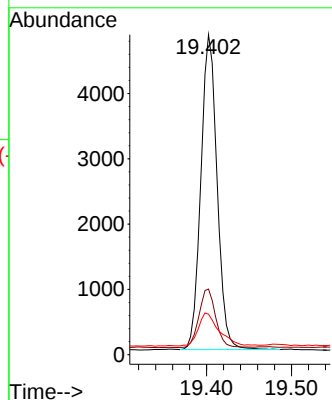
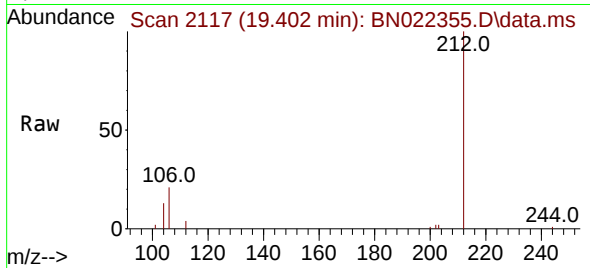




#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.402 min Scan# 2116
Delta R.T. -0.005 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

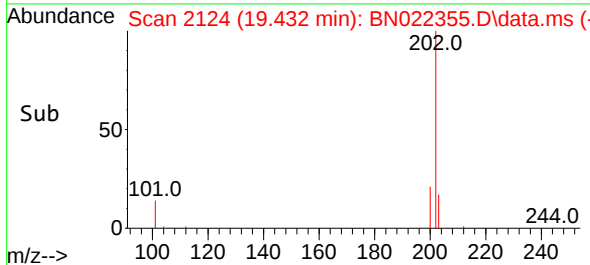
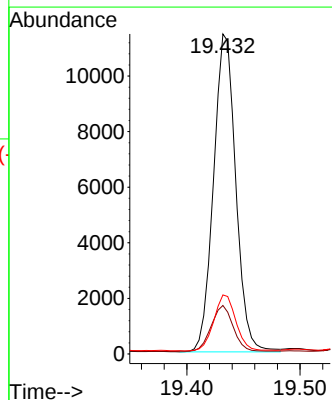
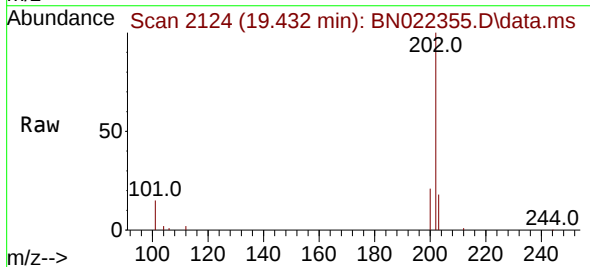
Instrument :
BNA_N
ClientSampleId :
LSP-SS-04-15-3

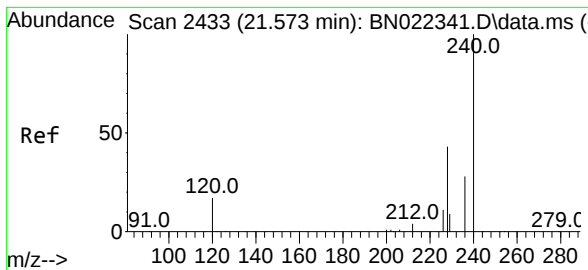
Tgt Ion:212 Resp: 6400
Ion Ratio Lower Upper
212 100
106 19.0 15.0 22.4
104 13.2 9.3 13.9



#28
Fluoranthene
Concen: 0.372 ng
RT: 19.432 min Scan# 2124
Delta R.T. -0.009 min
Lab File: BN022355.D
Acq: 27 Oct 2022 04:25

Tgt Ion:202 Resp: 15634
Ion Ratio Lower Upper
202 100
101 14.3 11.4 17.0
203 17.6 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.563 min Scan# 2434

Delta R.T. -0.009 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

Instrument :

BNA_N

ClientSampleId :

LSP-SS-04-15-3

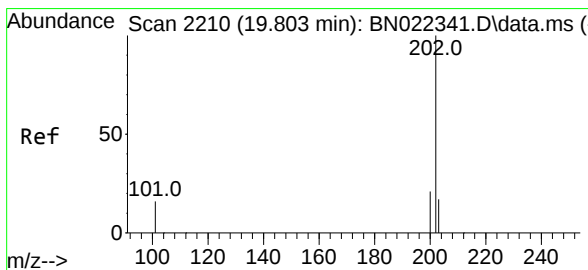
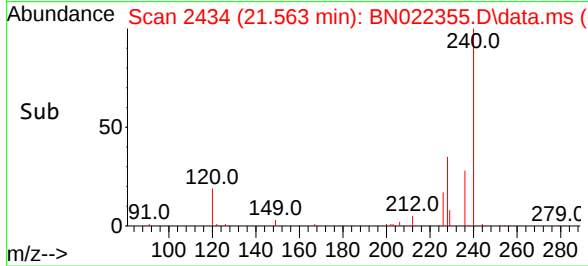
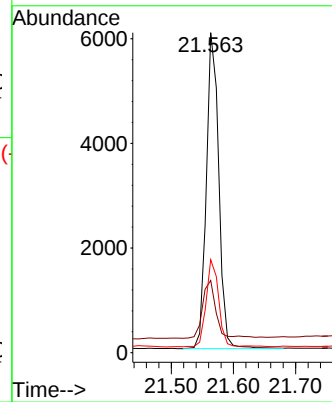
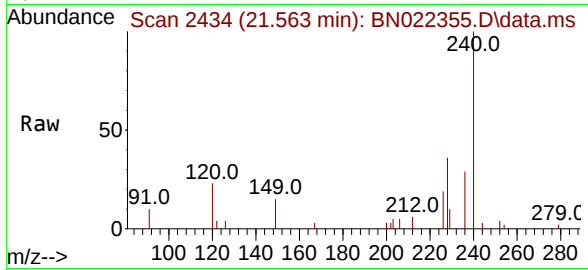
Tgt Ion:240 Resp: 8366

Ion Ratio Lower Upper

240 100

120 22.6 15.8 23.6

236 29.0 23.2 34.8



#30

Pyrene

Concen: 0.492 ng

RT: 19.799 min Scan# 2211

Delta R.T. -0.005 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

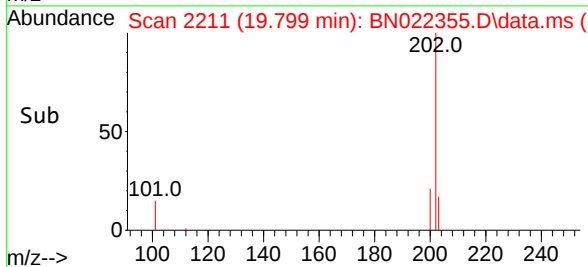
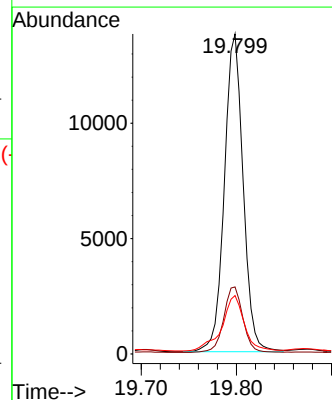
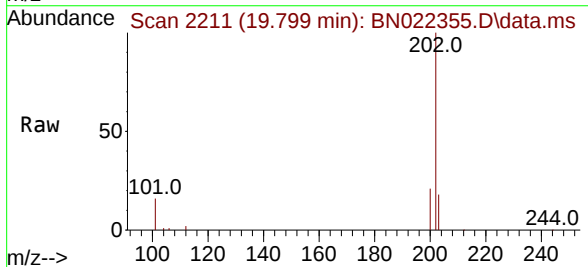
Tgt Ion:202 Resp: 18939

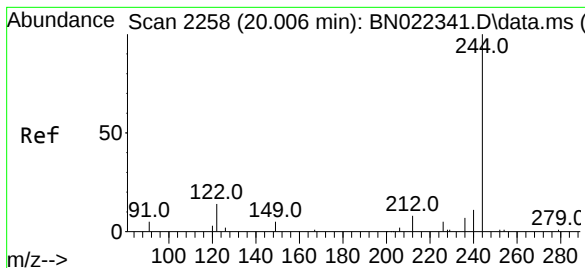
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 20.6 14.2 21.2





#31

Terphenyl-d14

Concen: 0.248 ng

RT: 20.001 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

Instrument :

BNA_N

ClientSampleId :

LSP-SS-04-15-3

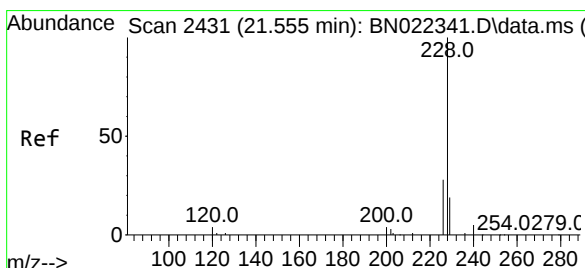
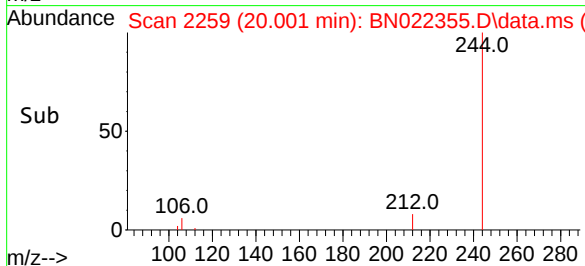
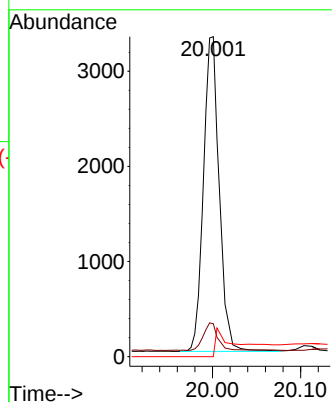
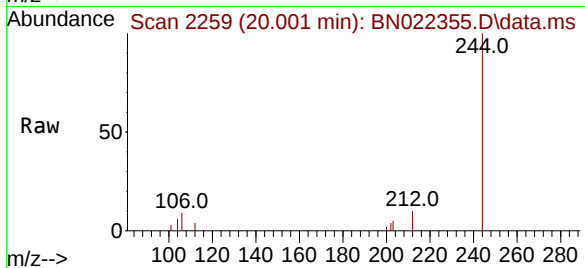
Tgt Ion:244 Resp: 5415

Ion Ratio Lower Upper

244 100

212 10.3 7.0 10.4

122 0.0 11.5 17.3#



#32

Benzo(a)anthracene

Concen: 0.293 ng

RT: 21.546 min Scan# 2432

Delta R.T. -0.009 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

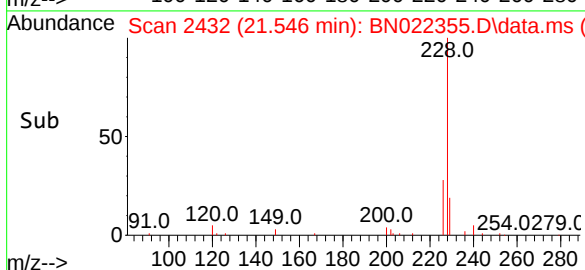
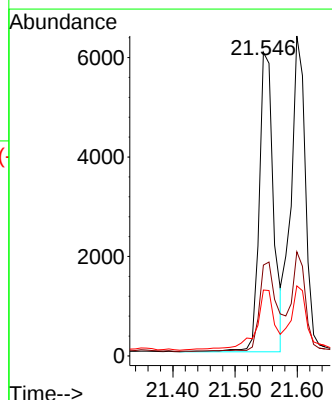
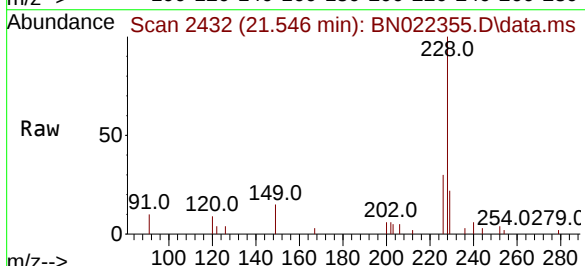
Tgt Ion:228 Resp: 9650

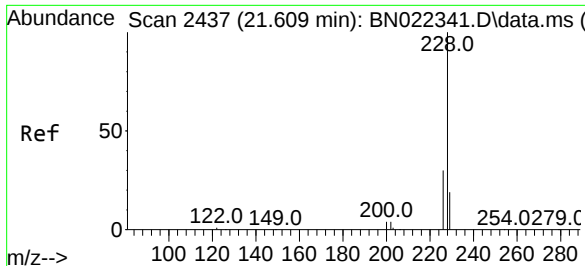
Ion Ratio Lower Upper

228 100

226 29.9 22.6 34.0

229 21.7 15.5 23.3





#33

Chrysene

Concen: 0.296 ng

RT: 21.599 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

Instrument :

BNA_N

ClientSampleId :

LSP-SS-04-15-3

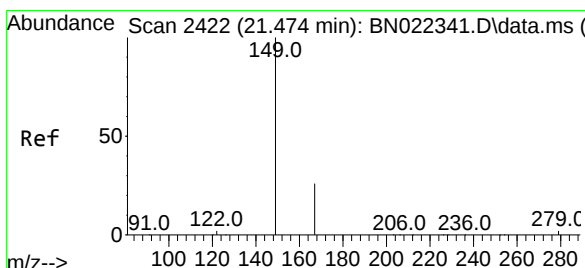
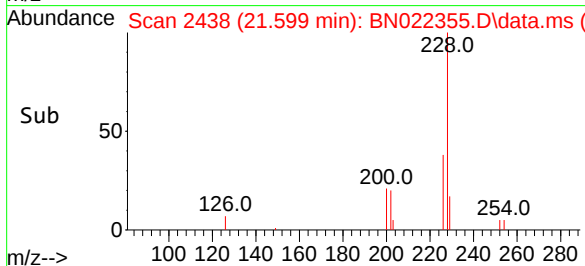
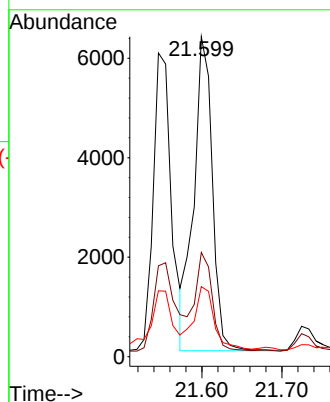
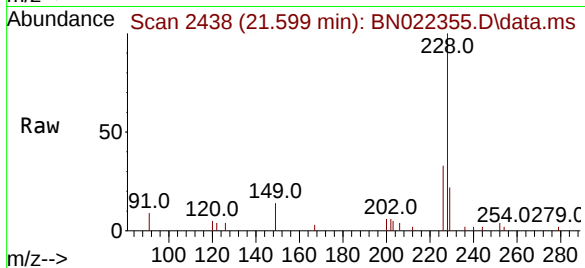
Tgt Ion:228 Resp: 10192

Ion Ratio Lower Upper

228 100

226 32.6 24.5 36.7

229 21.9 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.620 ng

RT: 21.465 min Scan# 2423

Delta R.T. -0.009 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

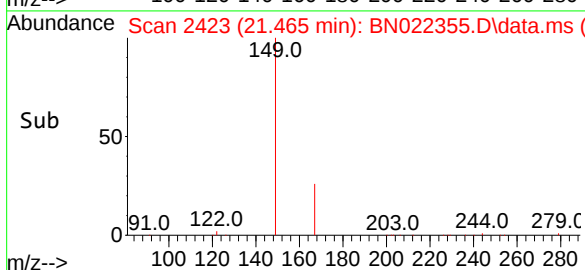
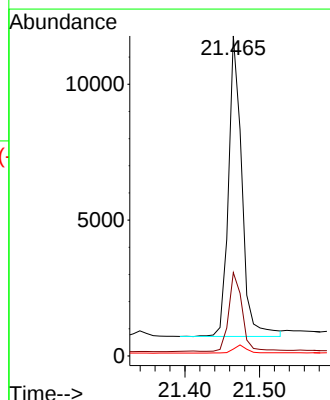
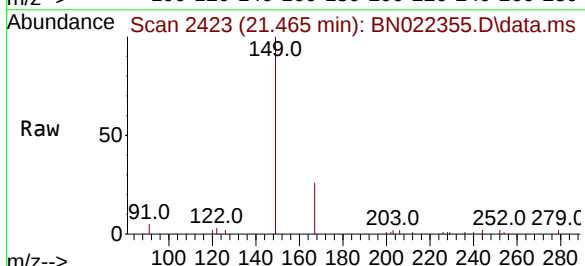
Tgt Ion:149 Resp: 13793

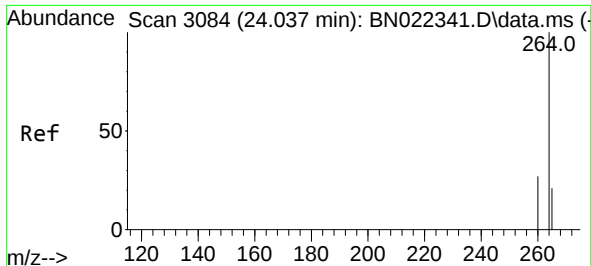
Ion Ratio Lower Upper

149 100

167 26.2 20.2 30.4

279 2.8 2.3 3.5

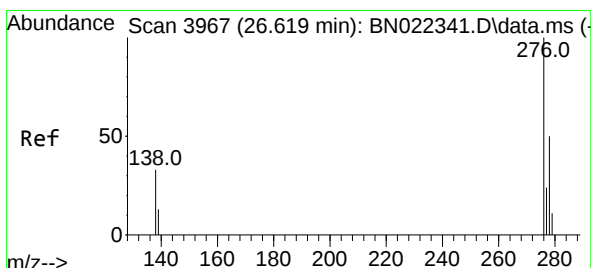
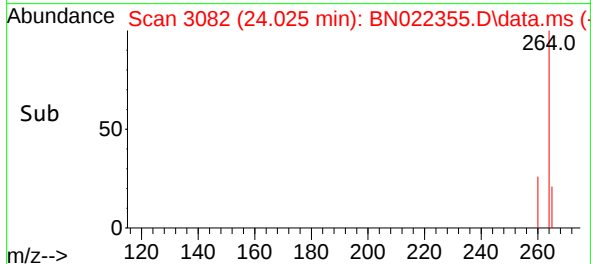
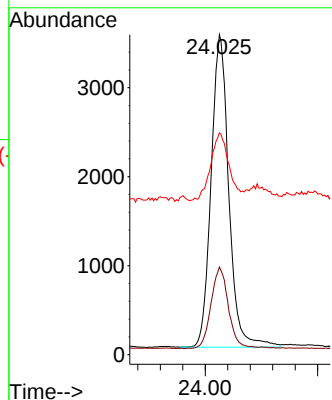
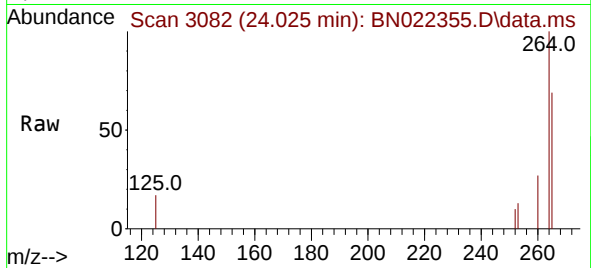




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.025 min Scan# 3082
 Delta R.T. -0.012 min
 Lab File: BN022355.D
 Acq: 27 Oct 2022 04:25

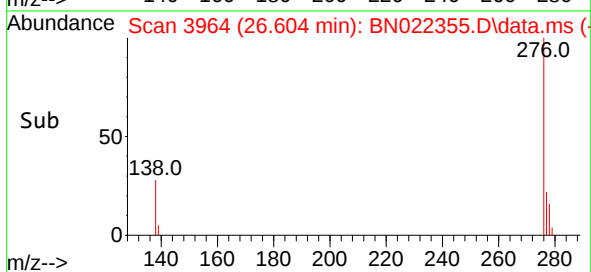
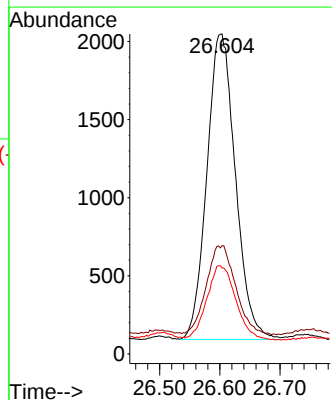
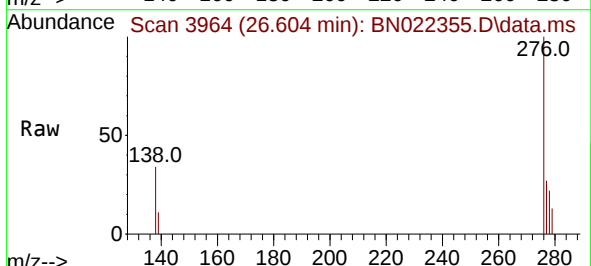
Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-04-15-3

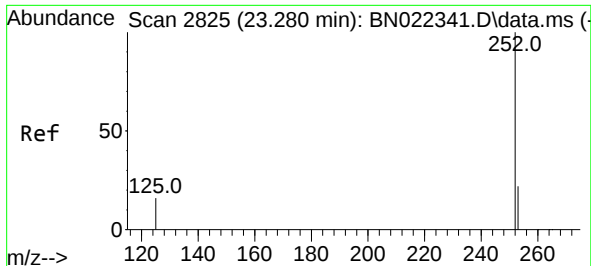
Tgt Ion:264 Resp: 7672
 Ion Ratio Lower Upper
 264 100
 260 27.4 22.1 33.1
 265 69.3 53.0 79.4



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.170 ng
 RT: 26.604 min Scan# 3964
 Delta R.T. -0.015 min
 Lab File: BN022355.D
 Acq: 27 Oct 2022 04:25

Tgt Ion:276 Resp: 6438
 Ion Ratio Lower Upper
 276 100
 138 14.6 28.2 42.2#
 277 24.5 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.363 ng

RT: 23.274 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

Instrument :

BN022355.D

ClientSampleId :

LSP-SS-04-15-3

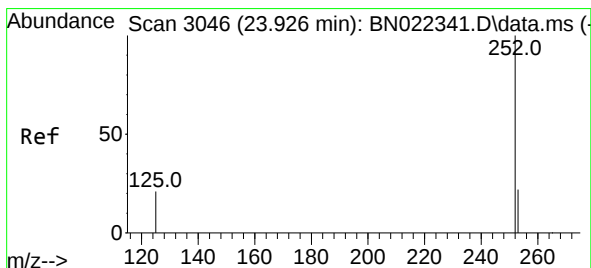
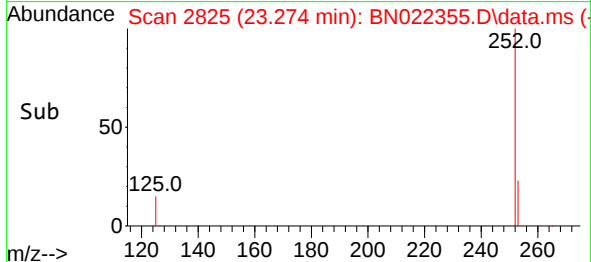
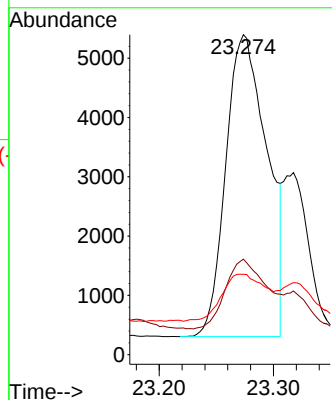
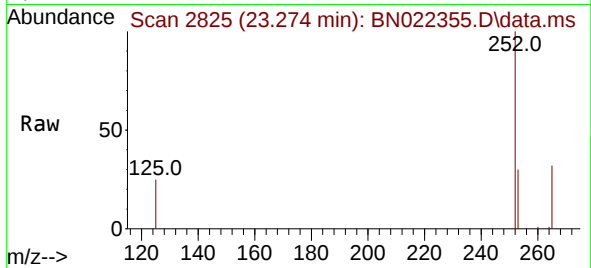
Tgt Ion:252 Resp: 12760

Ion Ratio Lower Upper

252 100

253 29.8 20.4 30.6

125 25.1 16.6 25.0#



#39

Benzo(a)pyrene

Concen: 0.338 ng

RT: 23.914 min Scan# 3044

Delta R.T. -0.012 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

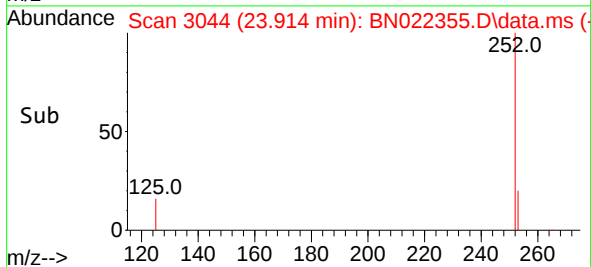
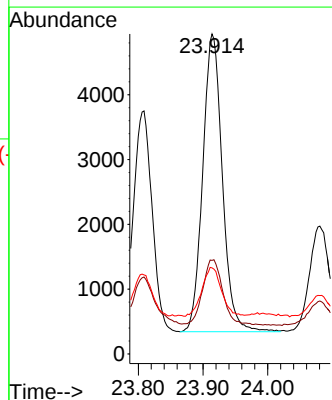
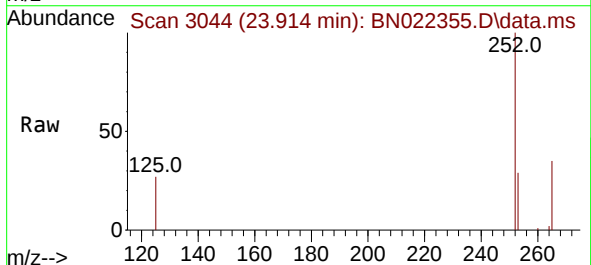
Tgt Ion:252 Resp: 9660

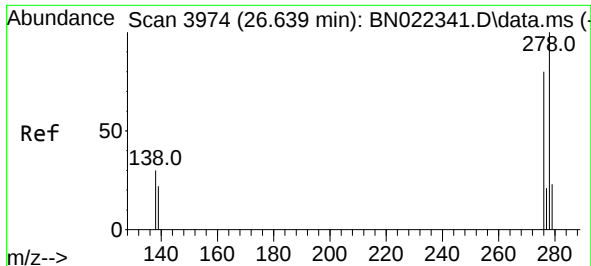
Ion Ratio Lower Upper

252 100

253 29.3 21.9 32.9

125 26.9 22.9 34.3





#40

Dibenzo(a,h)anthracene

Concen: 0.053 ng

RT: 26.615 min Scan# 3968

Delta R.T. -0.024 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

Instrument :

BNA_N

ClientSampleId :

LSP-SS-04-15-3

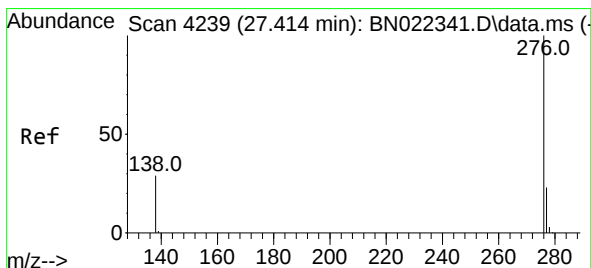
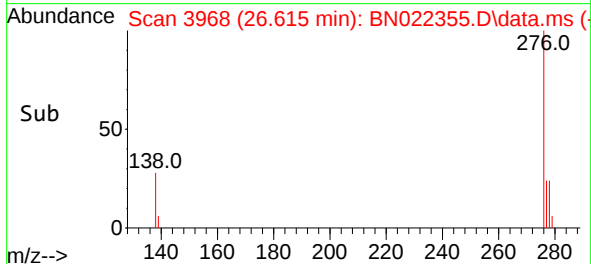
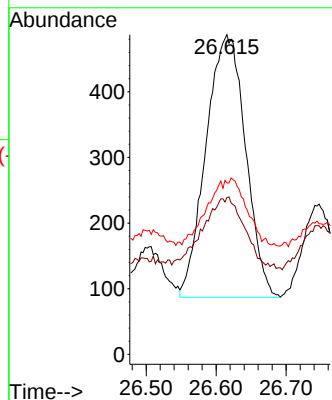
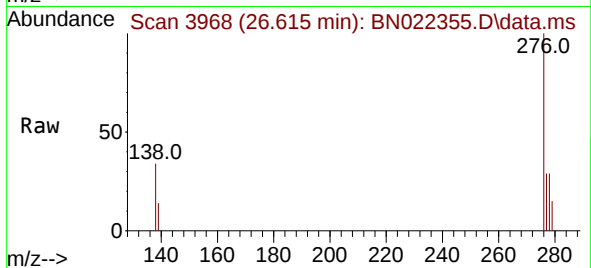
Tgt Ion:278 Resp: 1570

Ion Ratio Lower Upper

278 100

139 49.1 20.2 30.2#

279 53.6 21.0 31.4#



#41

Benzo(g,h,i)perylene

Concen: 0.223 ng

RT: 27.396 min Scan# 4235

Delta R.T. -0.018 min

Lab File: BN022355.D

Acq: 27 Oct 2022 04:25

Tgt Ion:276 Resp: 6952

Ion Ratio Lower Upper

276 100

277 27.0 19.5 29.3

138 33.9 25.0 37.4

