

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017957.D
 Acq On : 13 Dec 2021 02:54
 Operator : CG/JU
 Sample : M4988-12
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207

Quant Time: Dec 13 04:32:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

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

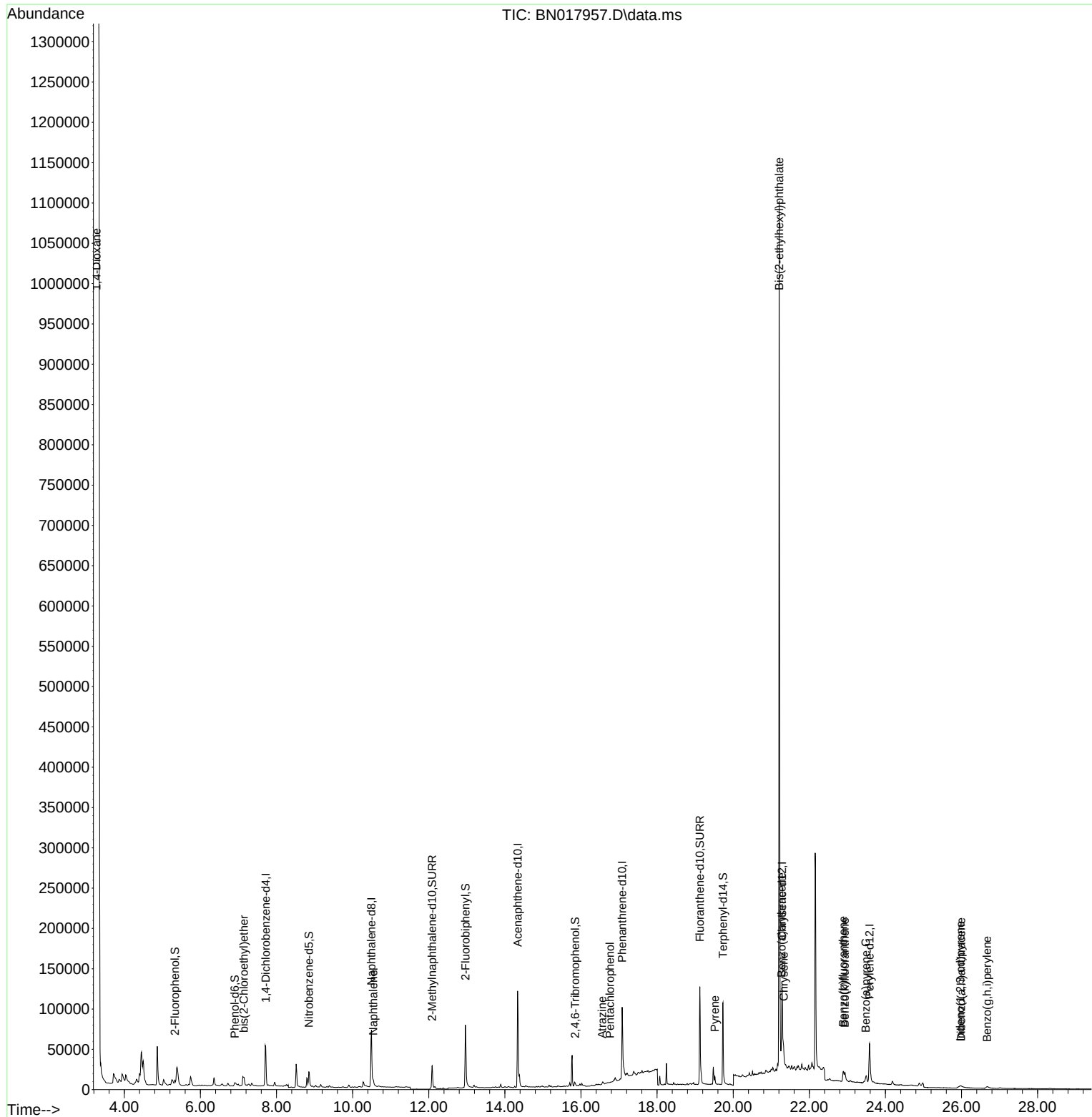
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	29757	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	119253	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	80133	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	154768	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	113646	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	85486	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	6915	0.113	ng	0.00
5) Phenol-d6	6.903	99	3695	0.061	ng	0.00
8) Nitrobenzene-d5	8.846	82	22033	0.283	ng	-0.01
11) 2-Methylnaphthalene-d10	12.090	152	56102	0.268	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	5462	0.457	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	81945	0.291	ng	0.00
27) Fluoranthene-d10	19.124	212	166795	0.332	ng	0.00
31) Terphenyl-d14	19.730	244	131245	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	50473	5.589	ng	95
6) bis(2-Chloroethyl)ether	7.143	93	2511	0.034	ng	# 11
9) Naphthalene	10.545	128	7722	0.026	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.451	198	10	Below Cal	#	1
23) Atrazine	16.557	200	507	0.098	ng	# 1
24) Pentachlorophenol	16.764	266	53	0.105	ng	# 59
30) Pyrene	19.517	202	9513	0.021	ng	96
32) Benzo(a)anthracene	21.272	228	20536	0.106	ng	# 91
33) Chrysene	21.325	228	27235	0.073	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.208	149	954494	7.823	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	7137	0.128	ng	# 81
37) Benzo(b)fluoranthene	22.887	252	17543	0.062	ng	# 14
38) Benzo(k)fluoranthene	22.935	252	15776	0.057	ng	# 23
39) Benzo(a)pyrene	23.483	252	15611	0.062	ng	# 1
40) Dibenzo(a,h)anthracene	25.985	278	4531	0.138	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	8436	0.062	ng	# 72

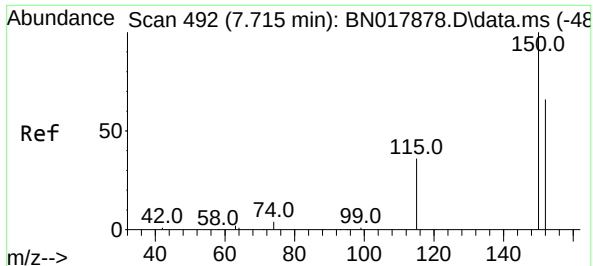
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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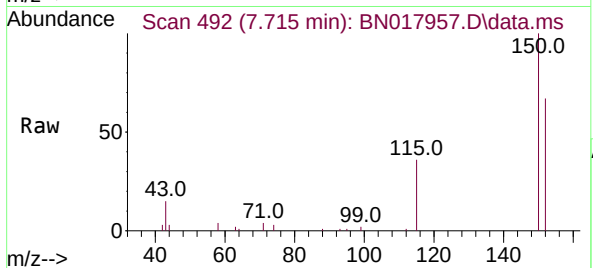
Quant Time: Dec 13 04:32:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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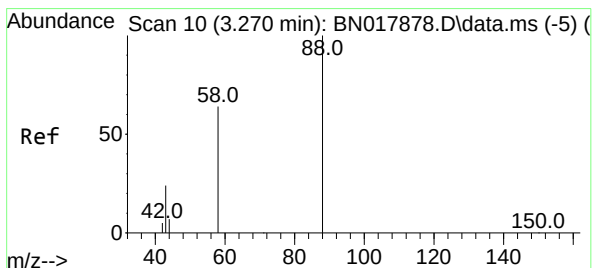
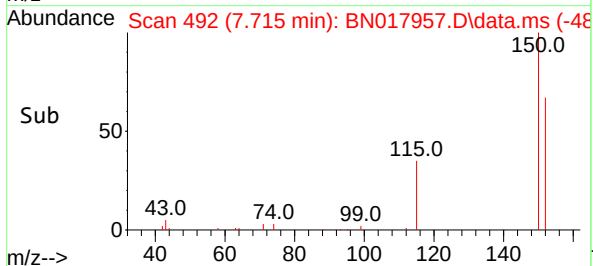
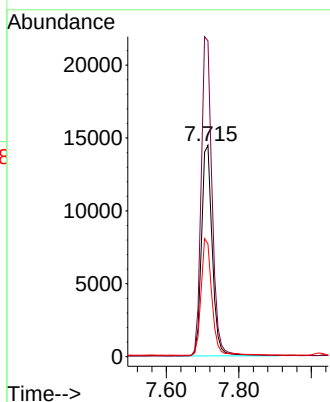


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 492
 Delta R.T. -0.000 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207

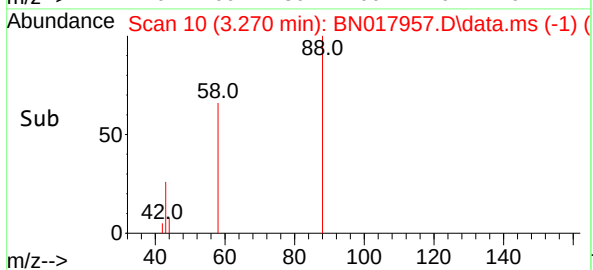
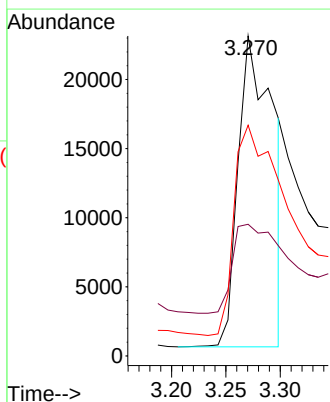
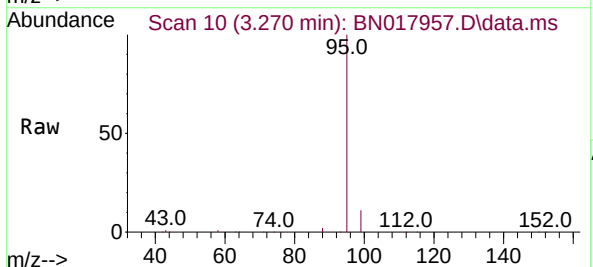


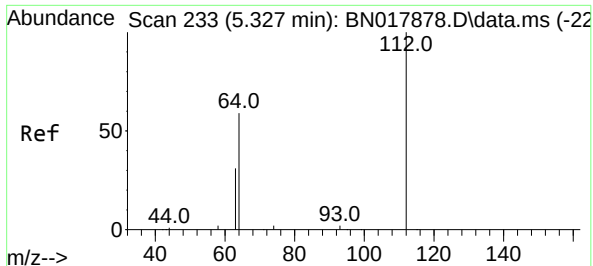
Tgt Ion: 152 Resp: 29757
 Ion Ratio Lower Upper
 152 100
 150 149.4 121.9 182.9
 115 53.3 44.1 66.1



#2
 1,4-Dioxane
 Concen: 5.589 ng
 RT: 3.270 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Tgt Ion: 88 Resp: 50473
 Ion Ratio Lower Upper
 88 100
 43 34.1 28.0 42.0
 58 75.8 65.4 98.0

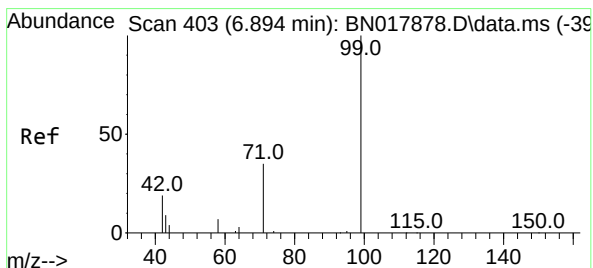
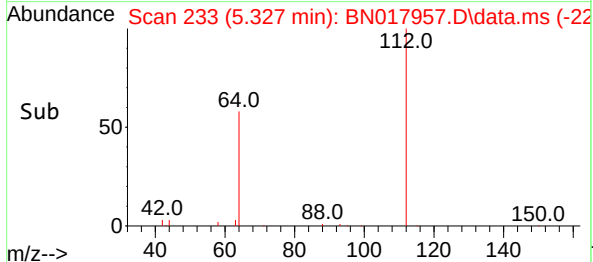
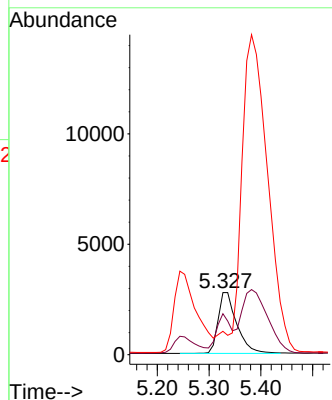
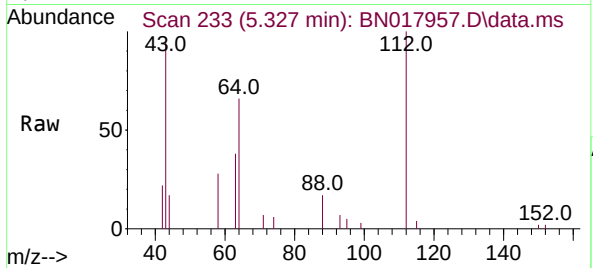




#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.327 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

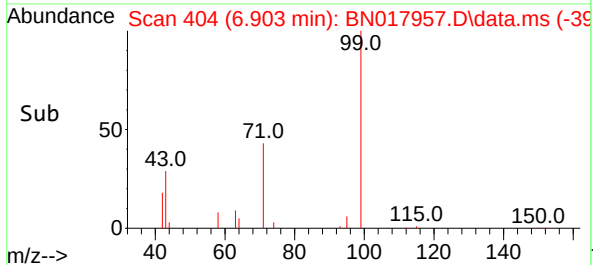
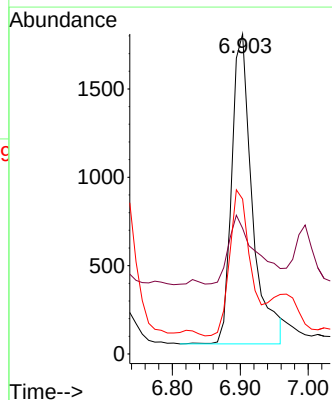
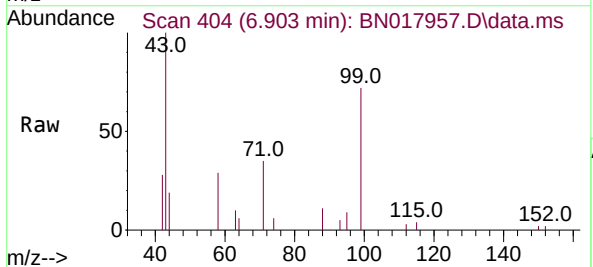
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ClientSampleId :
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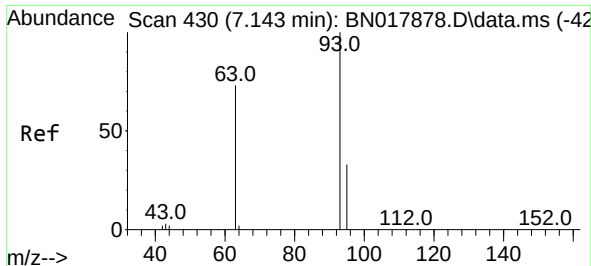
Tgt Ion:112 Resp: 6915
Ion Ratio Lower Upper
112 100
64 39.0 49.0 73.4#
63 0.0 26.2 39.2#



#5
Phenol-d6
Concen: 0.061 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion: 99 Resp: 3695
Ion Ratio Lower Upper
99 100
42 29.5 17.0 25.4#
71 49.8 28.0 42.0#

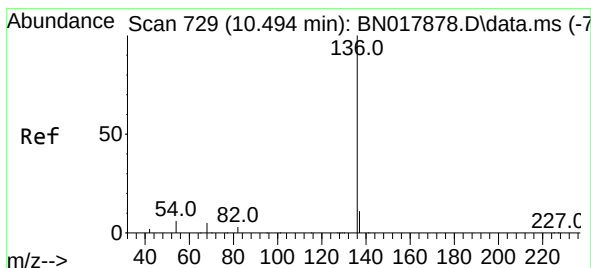
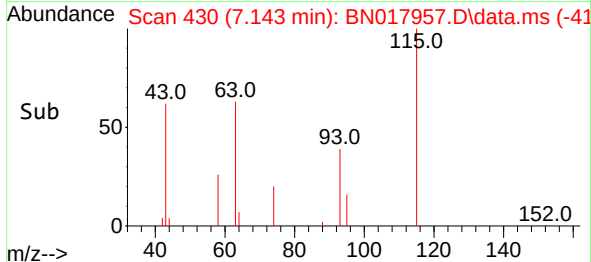
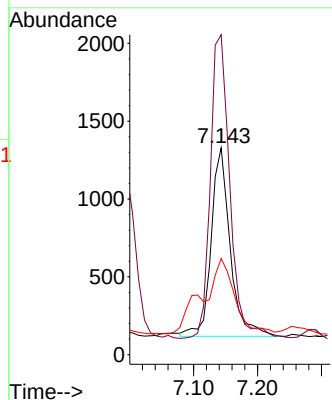
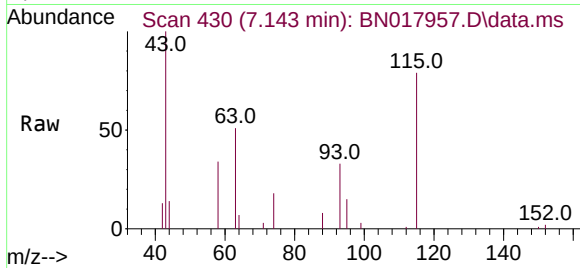




#6
bis(2-Chloroethyl)ether
Concen: 0.034 ng
RT: 7.143 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

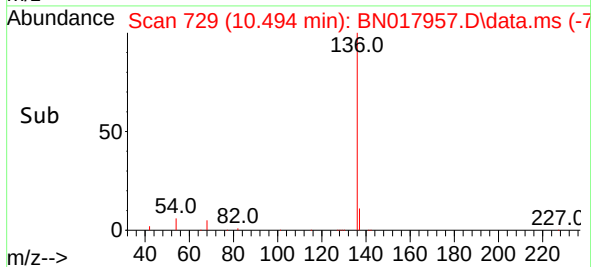
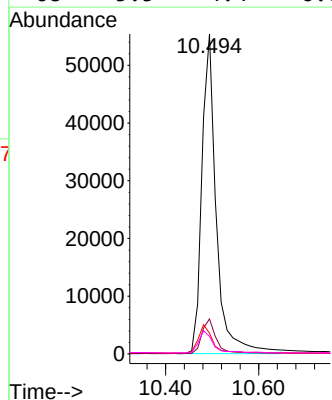
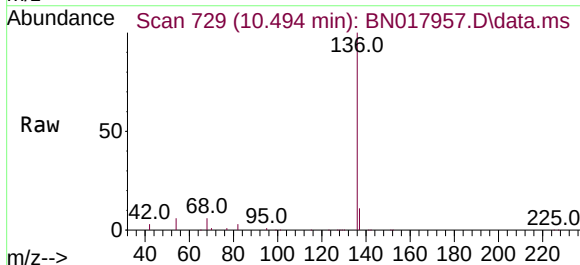
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ClientSampleId :
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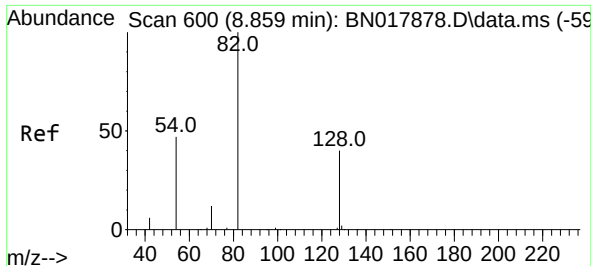
Tgt Ion: 93 Resp: 2511
Ion Ratio Lower Upper
93 100
63 165.4 62.0 93.0#
95 67.5 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion: 136 Resp: 119253
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.5 5.1 7.7
68 5.5 4.4 6.6

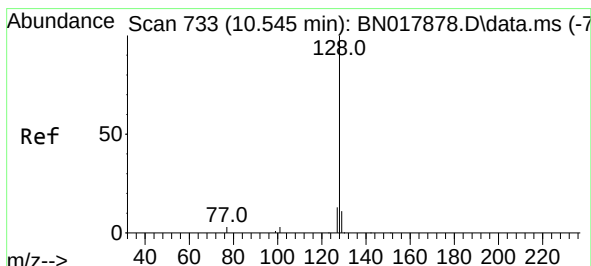
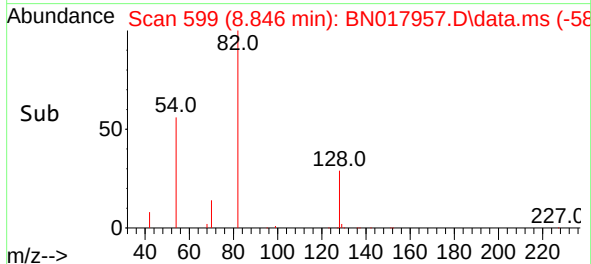
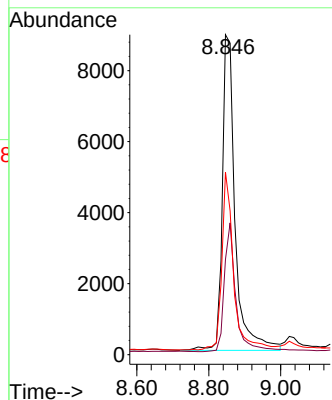
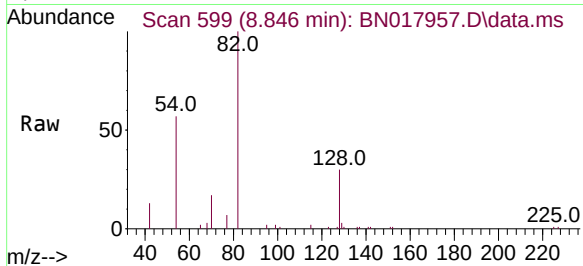




#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 8.846 min Scan# 51
Delta R.T. -0.013 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

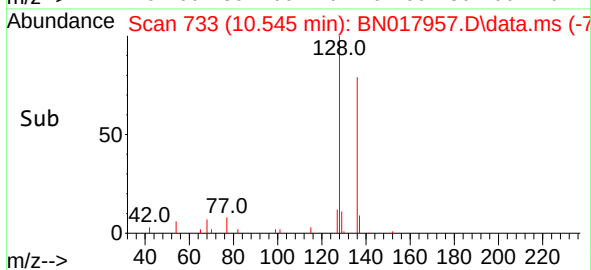
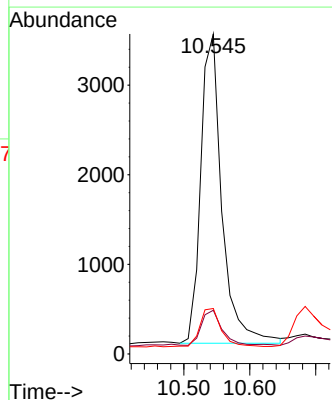
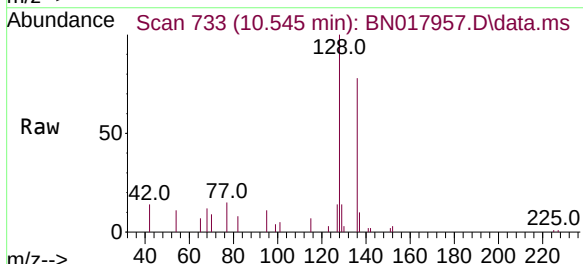
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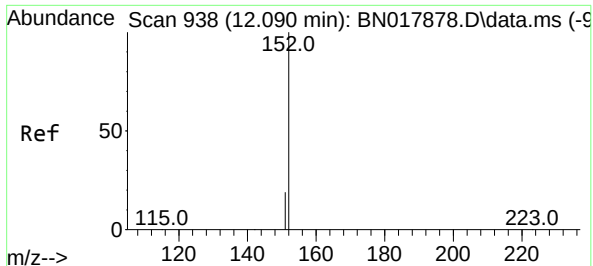
Tgt Ion: 82 Resp: 22033
Ion Ratio Lower Upper
82 100
128 29.8 32.2 48.4#
54 57.0 37.6 56.4#



#9
Naphthalene
Concen: 0.026 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion: 128 Resp: 7722
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 14.2 10.5 15.7

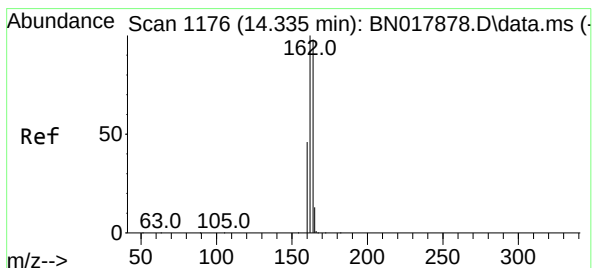
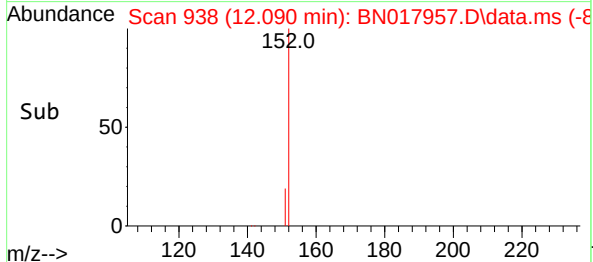
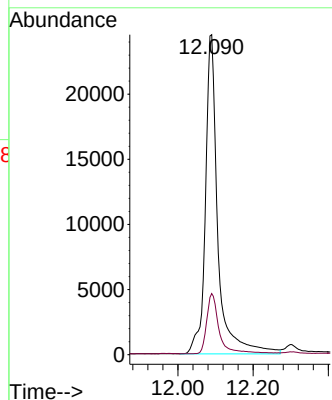
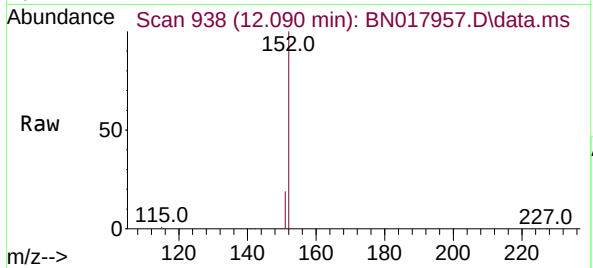




#11
2-Methylnaphthalene-d10
Concen: 0.268 ng
RT: 12.090 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

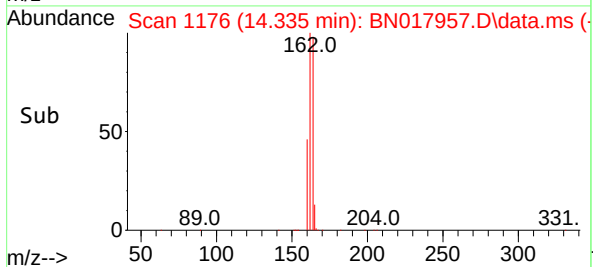
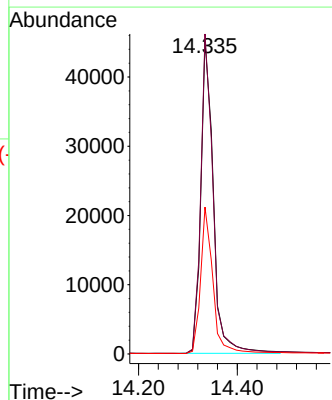
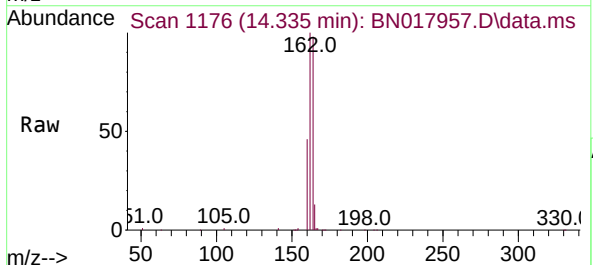
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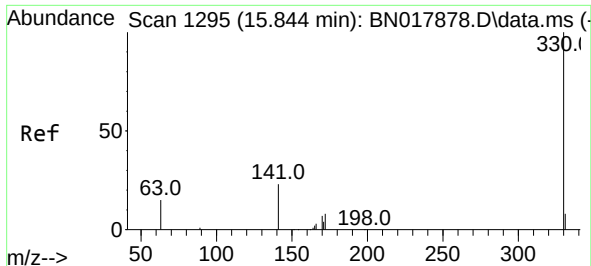
Tgt Ion:152 Resp: 56102
Ion Ratio Lower Upper
152 100
151 19.1 16.4 24.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion:164 Resp: 80133
Ion Ratio Lower Upper
164 100
162 101.9 82.1 123.1
160 46.8 38.2 57.2

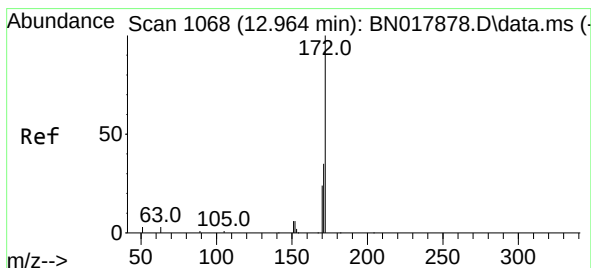
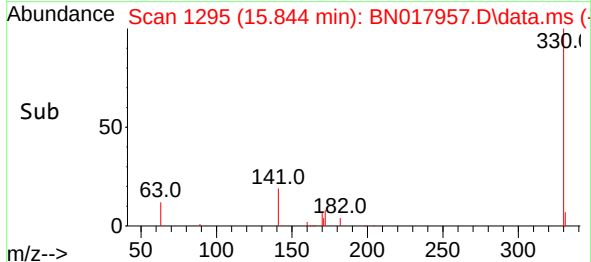
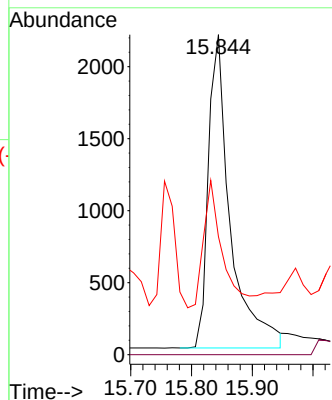
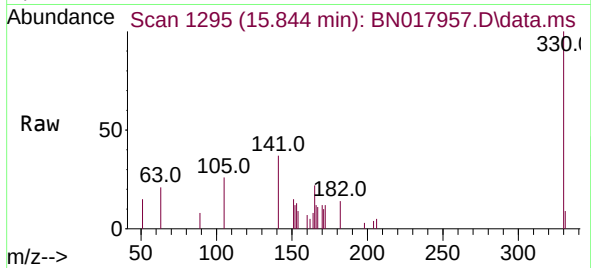




#14
 2,4,6-Tribromophenol
 Concen: 0.457 ng
 RT: 15.844 min Scan# 1295
 Delta R.T. 0.000 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

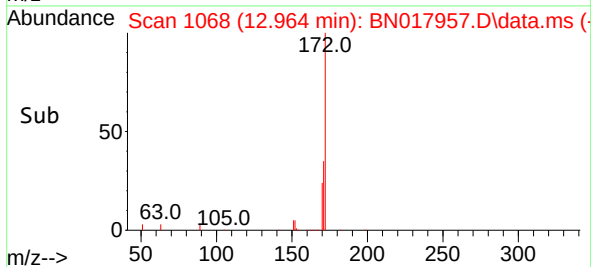
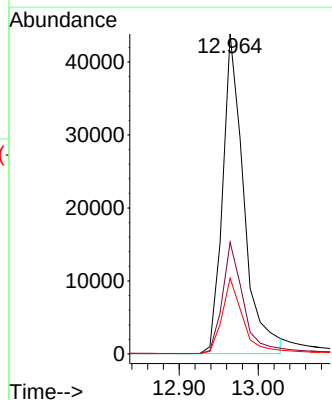
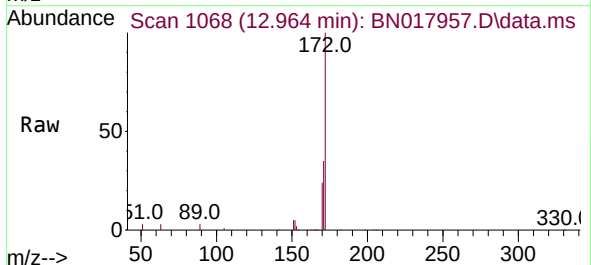
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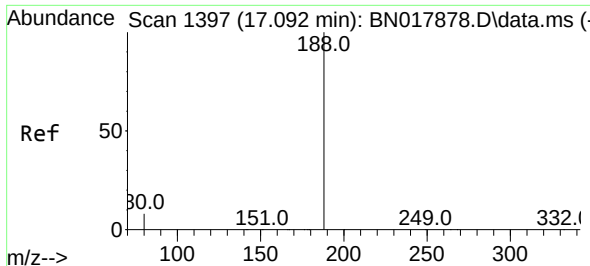
Tgt Ion: 330 Resp: 5462
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 34.4 19.7 29.5#



#15
 2-Fluorobiphenyl
 Concen: 0.291 ng
 RT: 12.964 min Scan# 1068
 Delta R.T. 0.000 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Tgt Ion: 172 Resp: 81945
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.3 42.5
 170 23.7 19.1 28.7

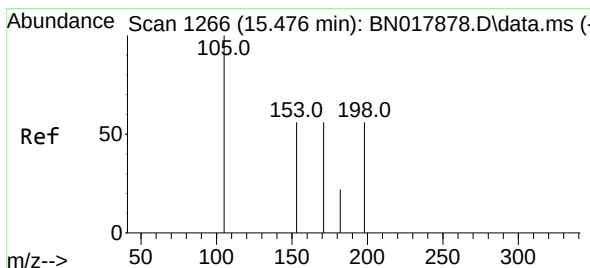
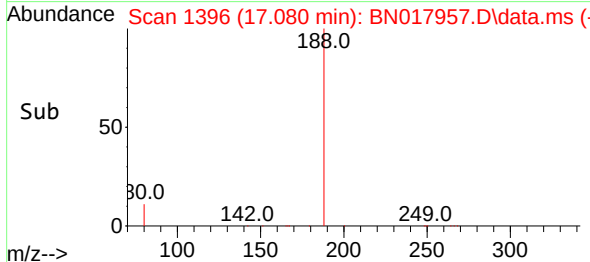
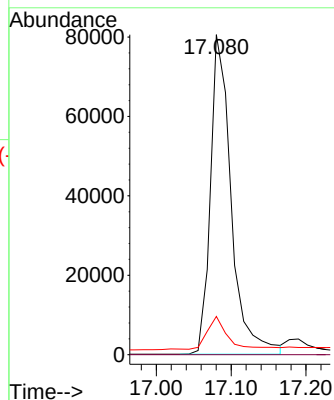
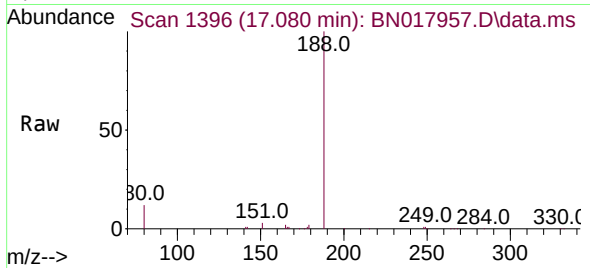




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

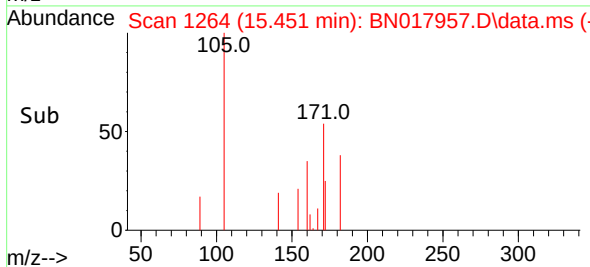
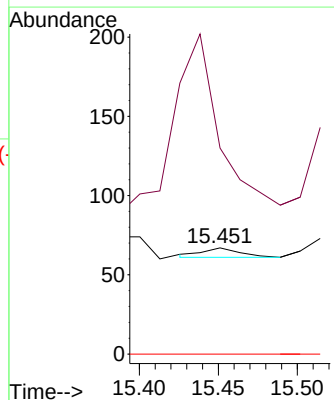
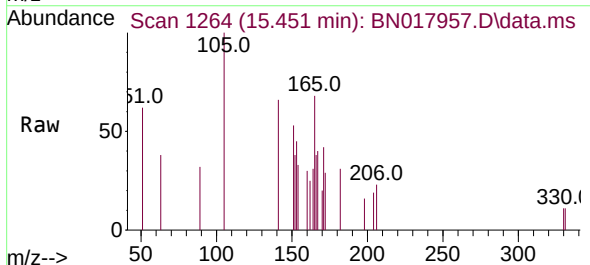
Instrument :
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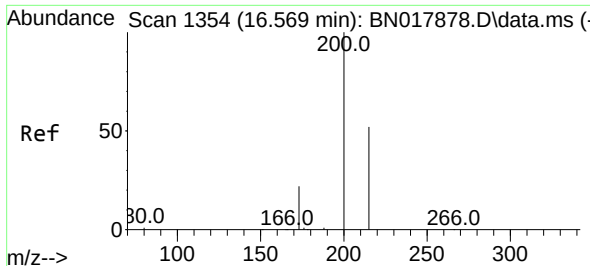
Tgt Ion:188 Resp: 154768
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 6.2 9.2#



#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.451 min Scan# 1264
Delta R.T. -0.025 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
182 194.0 70.8 106.2#
77 0.0 0.0 0.0

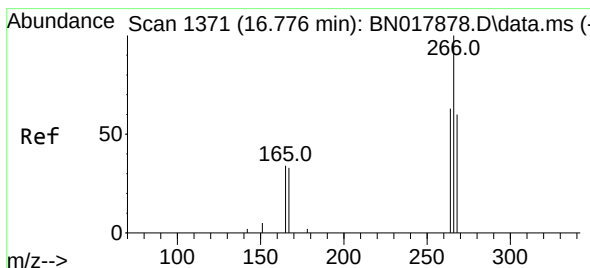
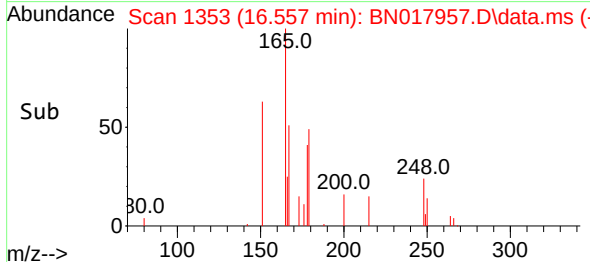
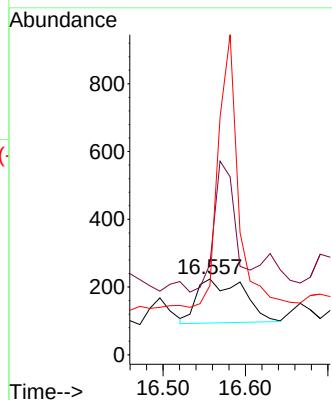
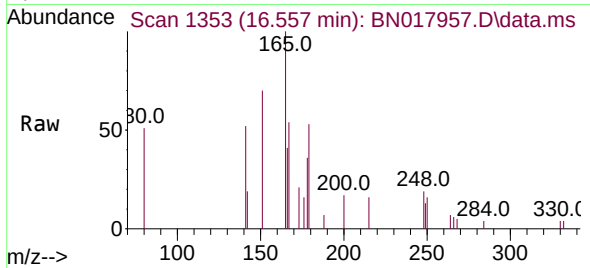




#23
 Atrazine
 Concen: 0.098 ng
 RT: 16.557 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

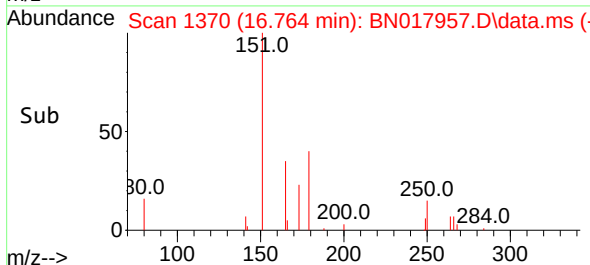
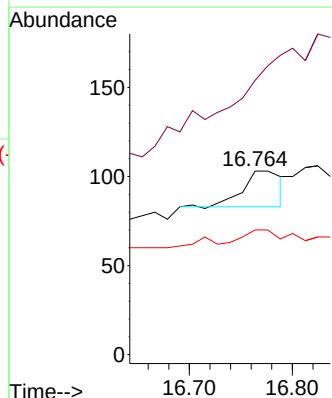
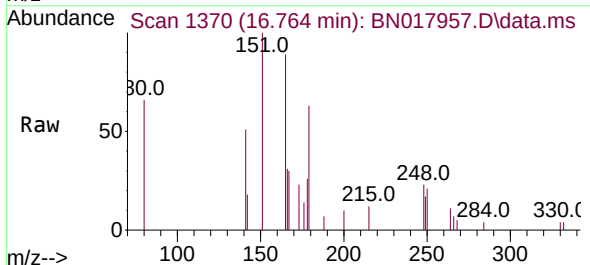
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207

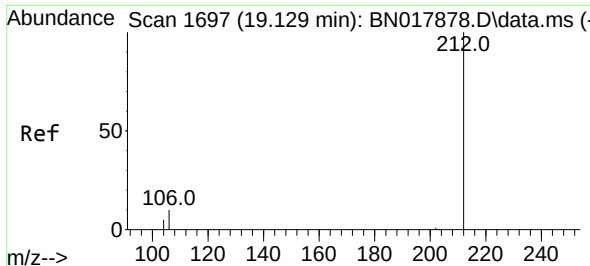
Tgt Ion:200 Resp: 507
 Ion Ratio Lower Upper
 200 100
 173 119.6 18.2 27.2#
 215 91.5 41.8 62.8#



#24
 Pentachlorophenol
 Concen: 0.105 ng
 RT: 16.764 min Scan# 1370
 Delta R.T. -0.012 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Tgt Ion:266 Resp: 53
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 64.2 53.7 80.5

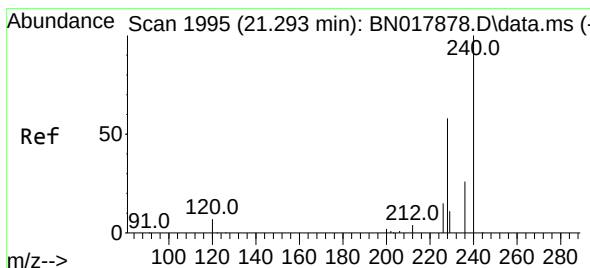
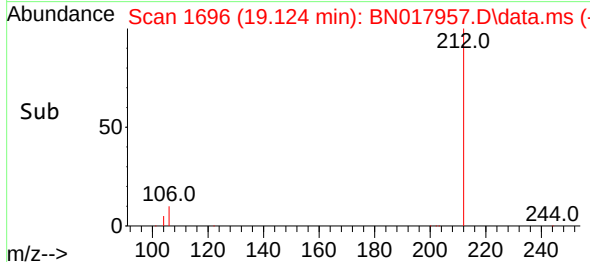
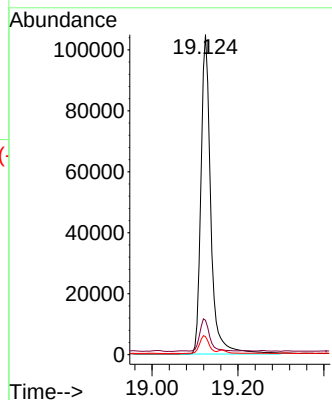
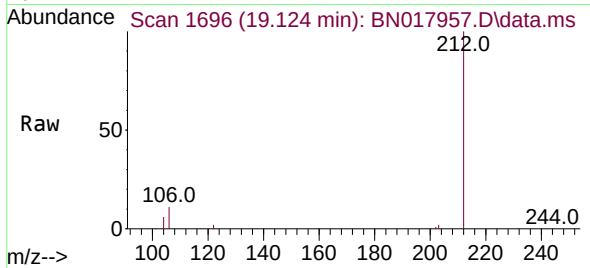




#27
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

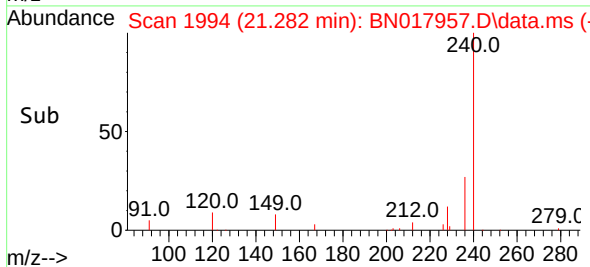
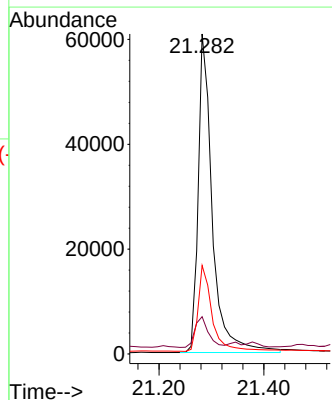
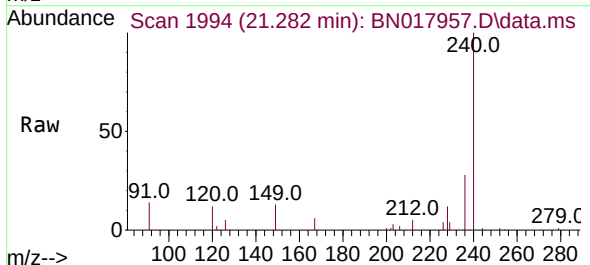
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207

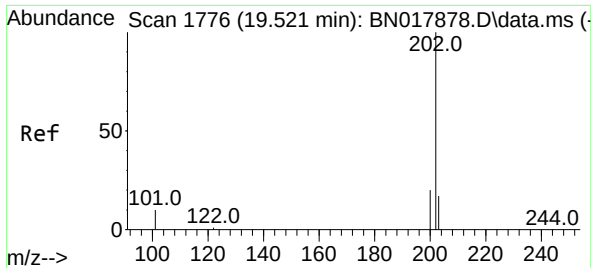
Tgt Ion:212 Resp: 166795
Ion Ratio Lower Upper
212 100
106 10.0 8.3 12.5
104 5.4 4.6 6.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion:240 Resp: 113646
Ion Ratio Lower Upper
240 100
120 11.6 5.8 8.8#
236 27.7 21.0 31.6

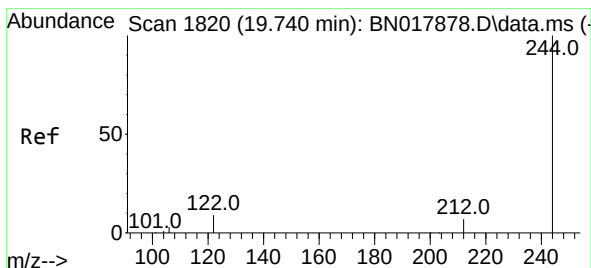
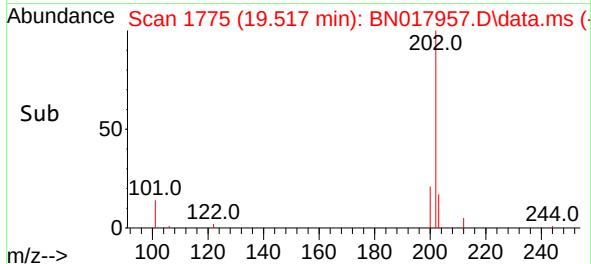
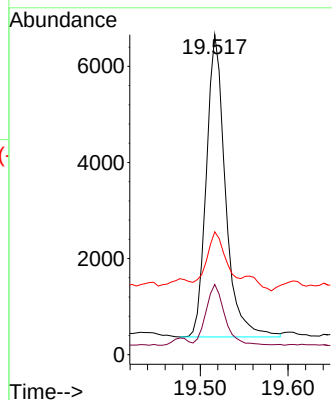
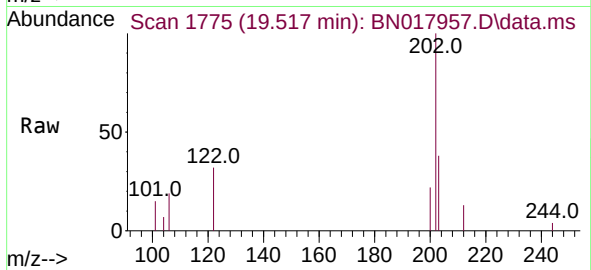




#30
 Pyrene
 Concen: 0.021 ng
 RT: 19.517 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

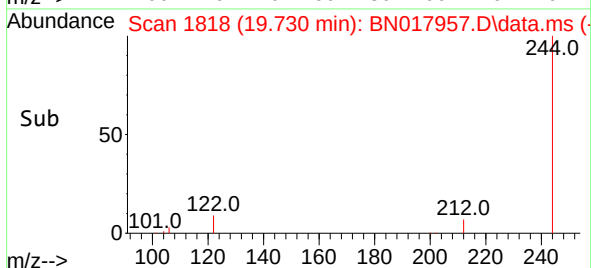
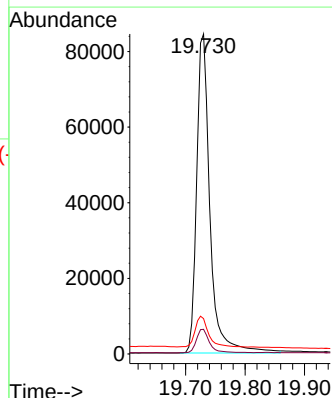
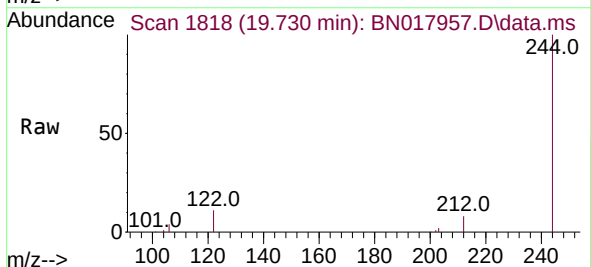
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207

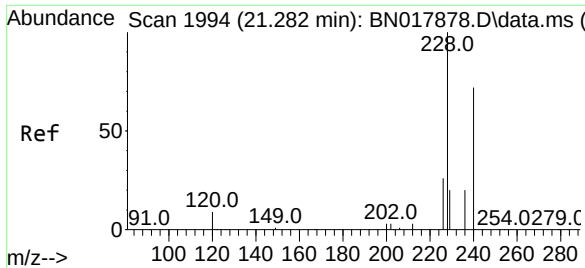
Tgt Ion:202 Resp: 9513
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.5 24.7
 203 14.8 14.0 21.0



#31
 Terphenyl-d14
 Concen: 0.468 ng
 RT: 19.730 min Scan# 1818
 Delta R.T. -0.010 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Tgt Ion:244 Resp: 131245
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 11.1 7.5 11.3

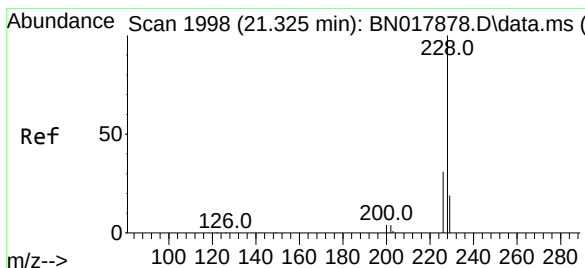
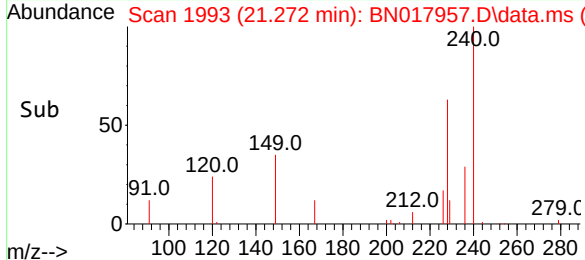
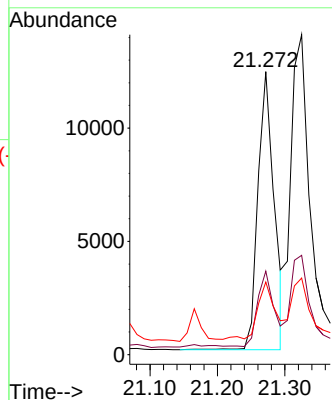
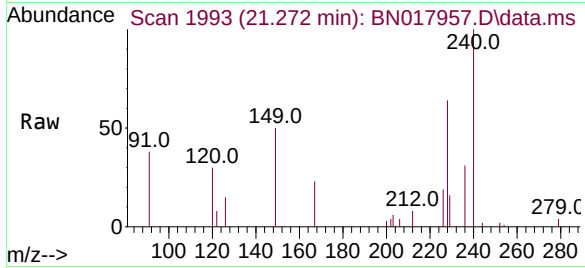




#32
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

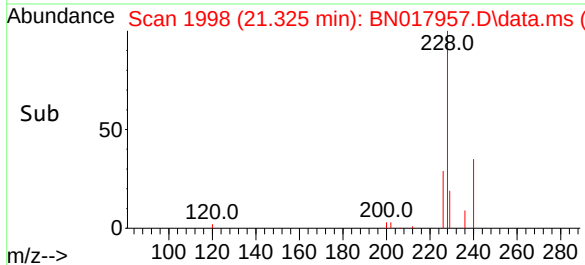
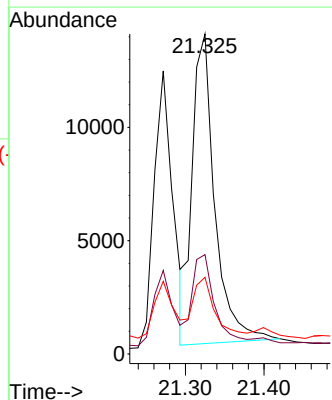
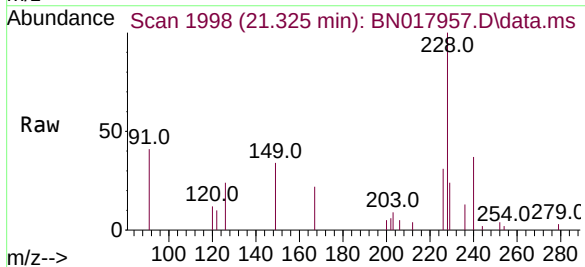
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207

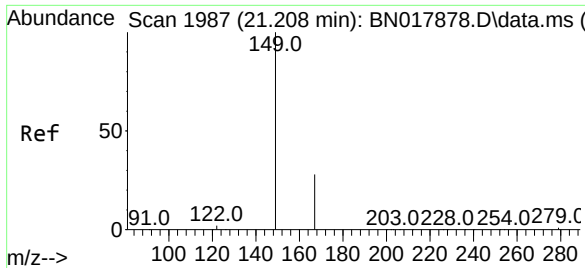
Tgt Ion:228 Resp: 20536
Ion Ratio Lower Upper
228 100
226 29.5 21.0 31.4
229 25.7 15.8 23.8#



#33
Chrysene
Concen: 0.073 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion:228 Resp: 27235
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 24.0 15.6 23.4#

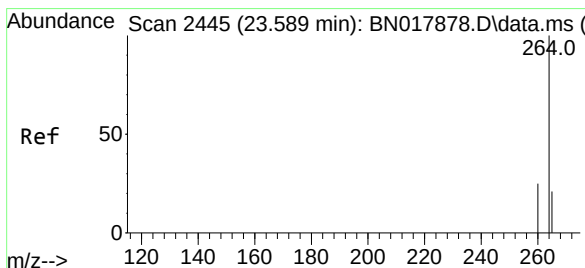
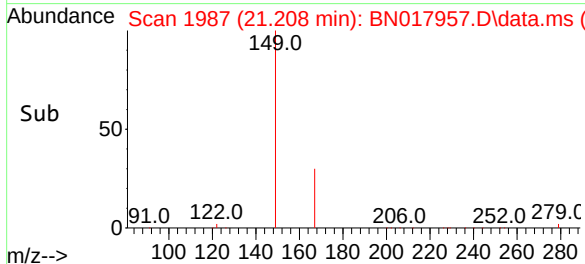
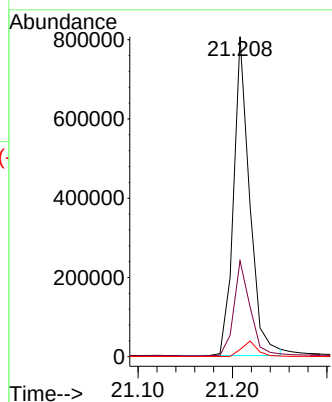
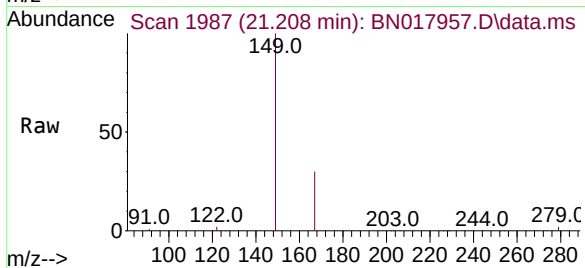




#34
Bis(2-ethylhexyl)phthalate
Concen: 7.823 ng
RT: 21.208 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

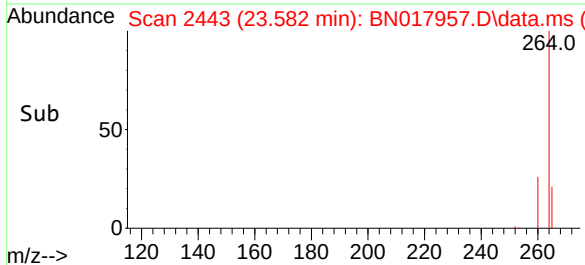
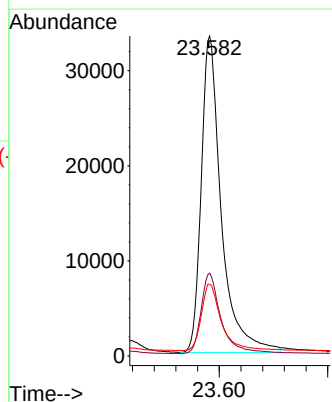
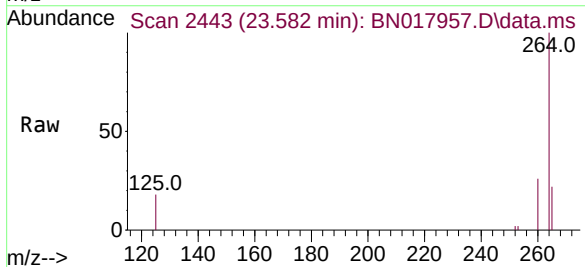
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207

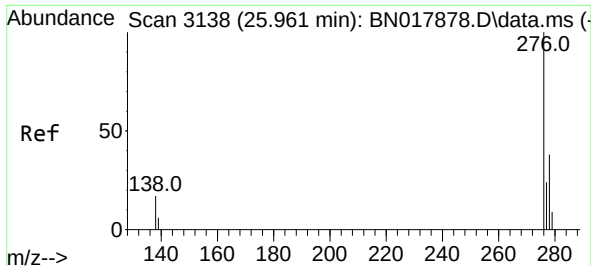
Tgt Ion:149 Resp: 954494
Ion Ratio Lower Upper
149 100
167 30.2 23.4 35.0
279 4.9 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.582 min Scan# 2443
Delta R.T. -0.007 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion:264 Resp: 85486
Ion Ratio Lower Upper
264 100
260 25.9 20.2 30.4
265 22.5 18.2 27.4

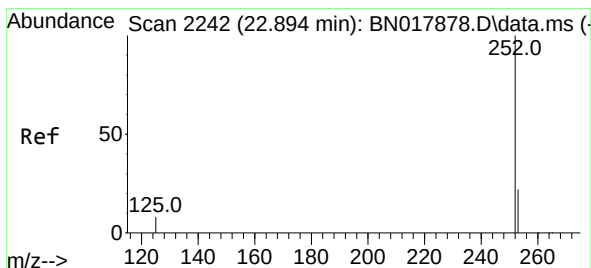
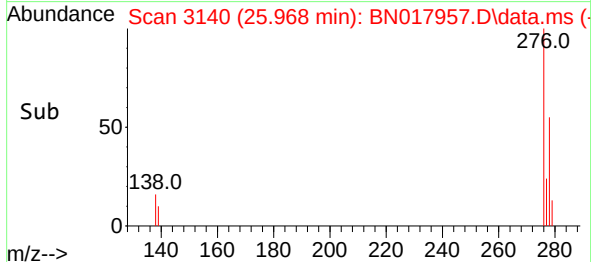
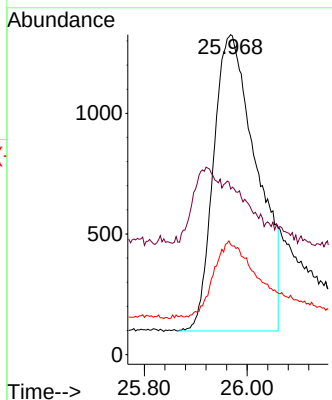
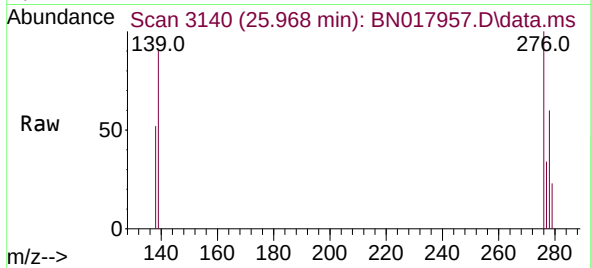




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.128 ng
 RT: 25.968 min Scan# 3138
 Delta R.T. 0.007 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

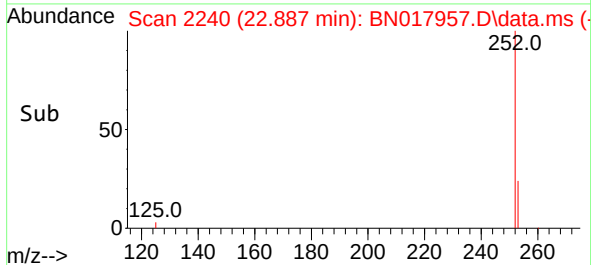
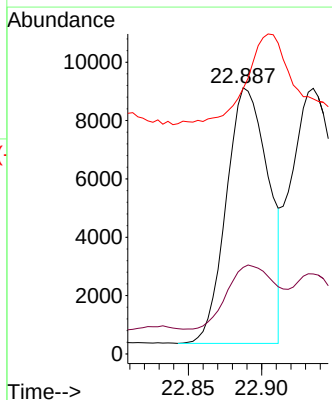
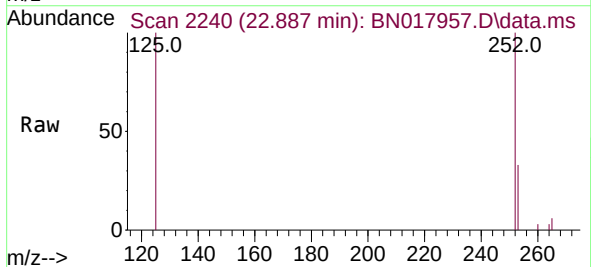
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207

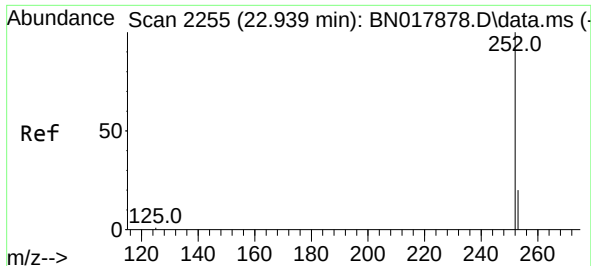
Tgt Ion:276 Resp: 7137
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 24.9 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.062 ng
 RT: 22.887 min Scan# 2240
 Delta R.T. -0.007 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Tgt Ion:252 Resp: 17543
 Ion Ratio Lower Upper
 252 100
 253 32.5 17.9 26.9#
 125 99.7 6.8 10.2#





#38

Benzo(k)fluoranthene

Concen: 0.057 ng

RT: 22.935 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN017957.D

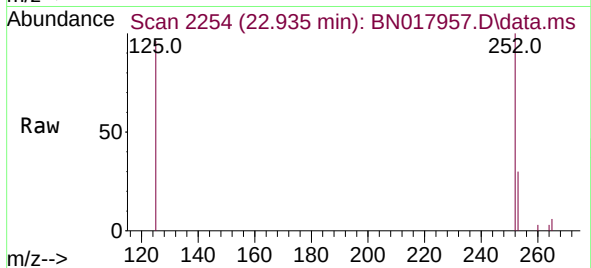
Acq: 13 Dec 2021 02:54

Instrument :

BN017957.D

ClientSampleId :

RE122D2-20211207



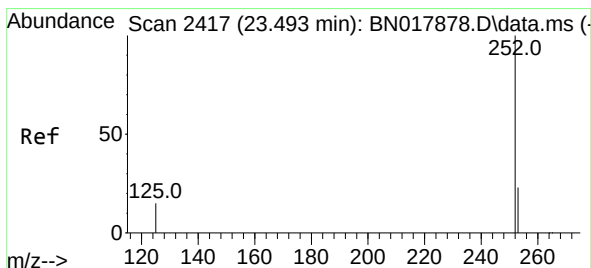
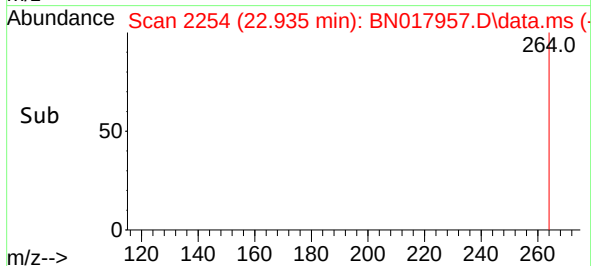
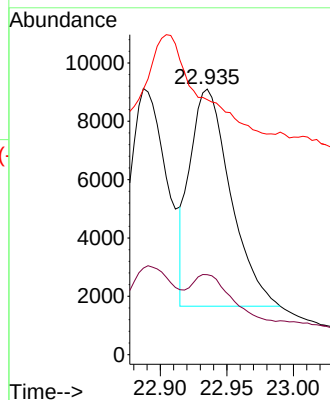
Tgt Ion:252 Resp: 15776

Ion Ratio Lower Upper

252 100

253 30.2 17.8 26.6#

125 96.1 6.1 9.1#



#39

Benzo(a)pyrene

Concen: 0.062 ng

RT: 23.483 min Scan# 2414

Delta R.T. -0.010 min

Lab File: BN017957.D

Acq: 13 Dec 2021 02:54

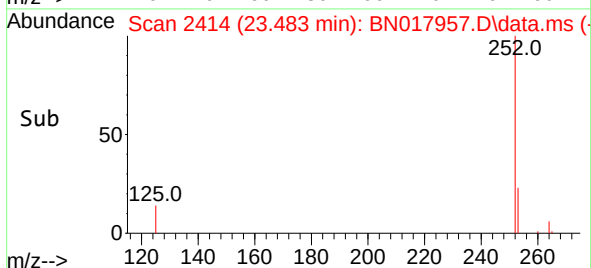
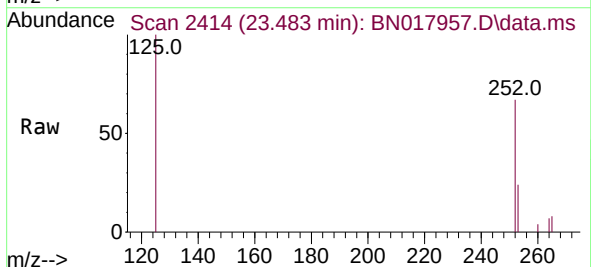
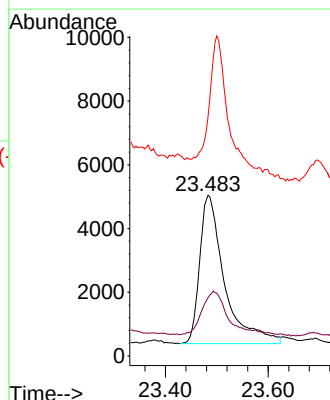
Tgt Ion:252 Resp: 15611

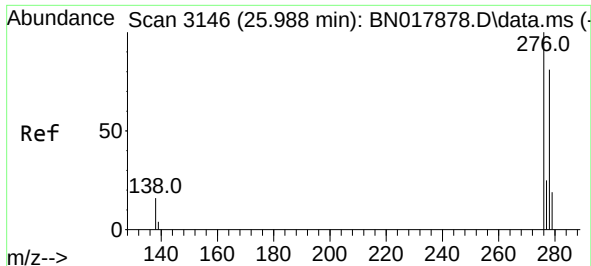
Ion Ratio Lower Upper

252 100

253 36.3 18.8 28.2#

125 149.0 12.2 18.2#

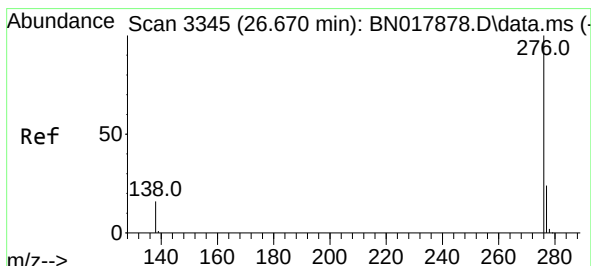
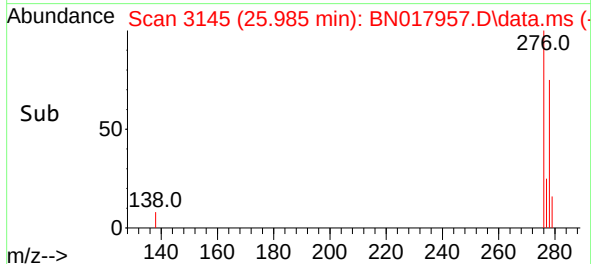
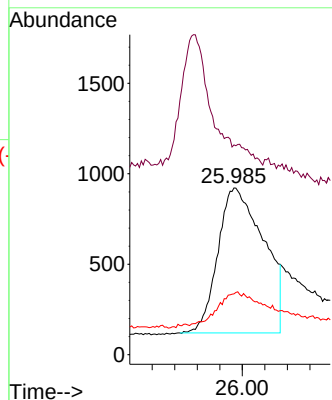
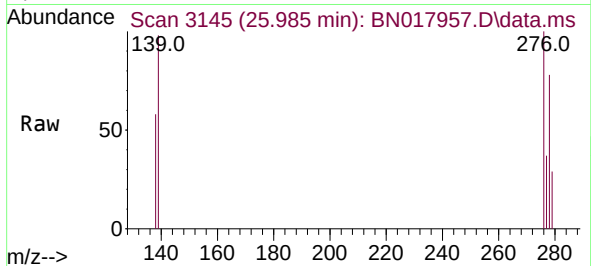




#40
Dibenzo(a,h)anthracene
Concen: 0.138 ng
RT: 25.985 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207

Tgt Ion:278 Resp: 4531
Ion Ratio Lower Upper
278 100
139 125.8 12.0 18.0#
279 36.4 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.062 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

Tgt Ion:276 Resp: 8436
Ion Ratio Lower Upper
276 100
277 31.0 19.6 29.4#
138 38.5 13.8 20.8#

