

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022472.D
 Acq On : 02 Nov 2022 20:13
 Operator : CG/JU
 Sample : N5395-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122

Quant Time: Nov 03 06:26:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:31:40 2022
 Response via : Initial Calibration

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

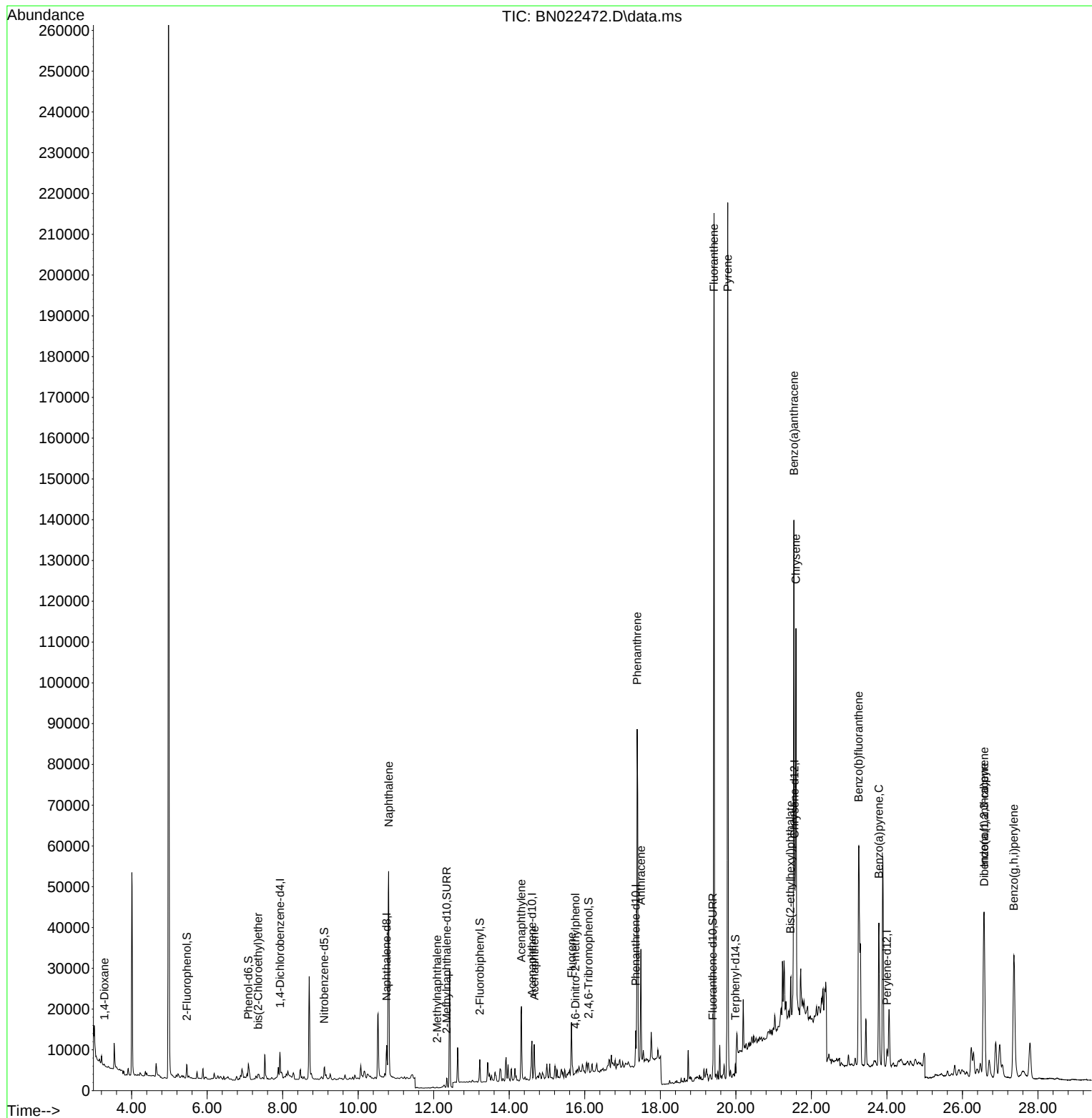
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3041	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10111	0.400	ng	# 0.00
13) Acenaphthene-d10	14.600	164	5438	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	10316	0.400	ng	0.00
29) Chrysene-d12	21.555	240	7781	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	6507	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	2818	0.348	ng	0.00
5) Phenol-d6	7.090	99	3567	0.351	ng	0.00
8) Nitrobenzene-d5	9.097	82	2429	0.278	ng	-0.01
11) 2-Methylnaphthalene-d10	12.346	152	3247	0.205	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	687	0.294	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	4813	0.207	ng	0.00
27) Fluoranthene-d10	19.390	212	3683	0.129	ng	0.00
31) Terphenyl-d14	19.985	244	3544	0.175	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.277	88	163	0.038	ng	# 1
6) bis(2-Chloroethyl)ether	7.350	93	929	0.095	ng	89
9) Naphthalene	10.806	128	62306	2.061	ng	98
12) 2-Methylnaphthalene	12.089	142	151	0.025	ng	# 1
16) Acenaphthylene	14.322	152	21905	0.831	ng	98
17) Acenaphthene	14.664	154	4733	0.264	ng	99
18) Fluorene	15.648	166	8495	0.339	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.749	198	45	0.027	ng	# 1
25) Phenanthrene	17.387	178	91078	2.575	ng	99
26) Anthracene	17.487	178	28087	0.943	ng	99
28) Fluoranthene	19.420	202	185069	4.826	ng	99
30) Pyrene	19.787	202	189245	5.285	ng	96
32) Benzo(a)anthracene	21.537	228	95617	3.121	ng	97
33) Chrysene	21.591	228	84061	2.625	ng	97
34) Bis(2-ethylhexyl)phtha...	21.448	149	8544	0.391	ng	# 89
36) Indeno(1,2,3-cd)pyrene	26.572	276	69388	2.159	ng	94
37) Benzo(b)fluoranthene	23.251	252	99363	3.336	ng	97
39) Benzo(a)pyrene	23.786	252	48434	1.998	ng	96
40) Dibenzo(a,h)anthracene	26.581	278	17366	0.692	ng	# 75
41) Benzo(g,h,i)perylene	27.362	276	67496	2.548	ng	98

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

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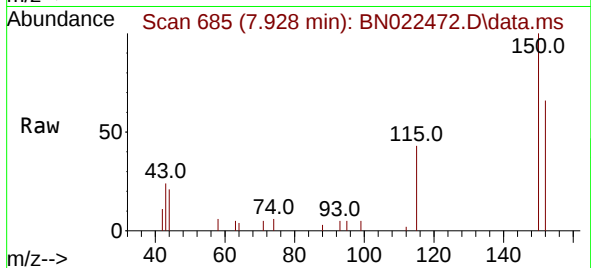
Quant Time: Nov 03 06:26:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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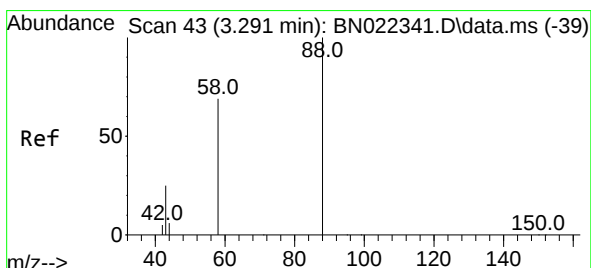
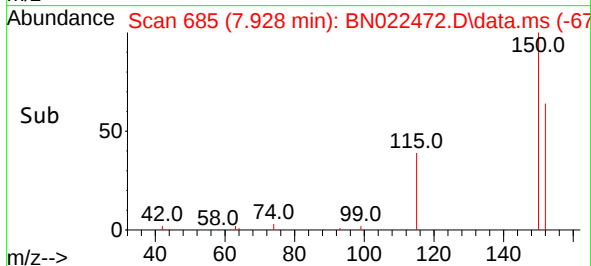
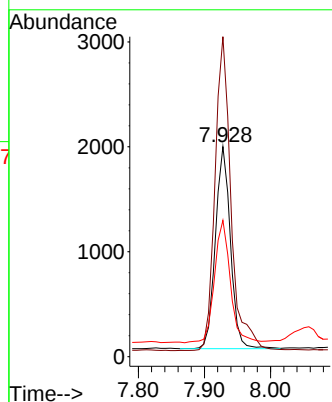
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.928 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

Instrument :
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 ClientSampleId :
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Tgt Ion: 152 Resp: 3041

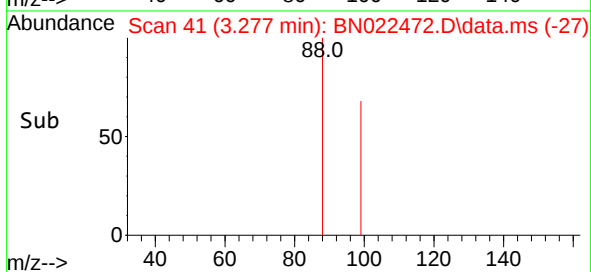
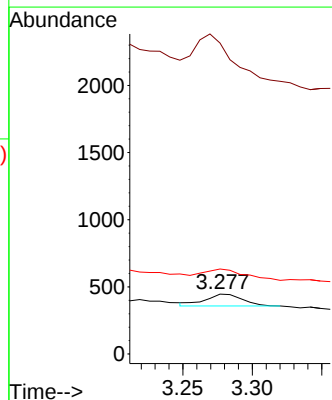
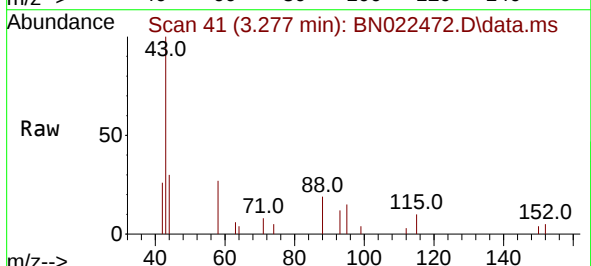
Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.2	187.8
115	64.9	52.0	78.0

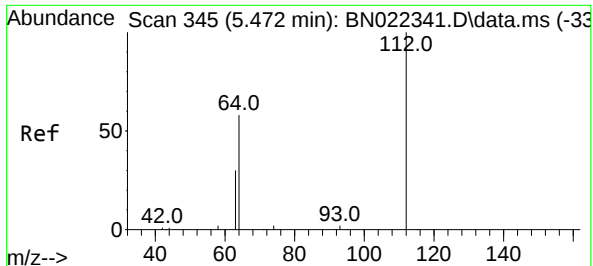


#2
 1,4-Dioxane
 Concen: 0.038 ng
 RT: 3.277 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

Tgt Ion: 88 Resp: 163

Ion	Ratio	Lower	Upper
88	100		
43	400.6	22.6	33.8#
58	107.4	59.7	89.5#

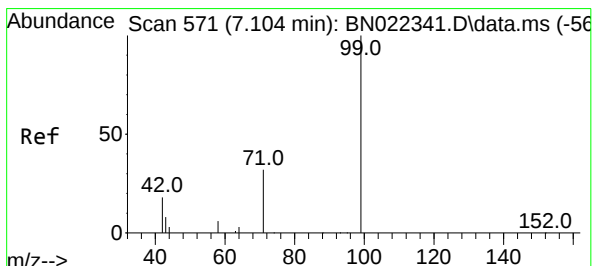
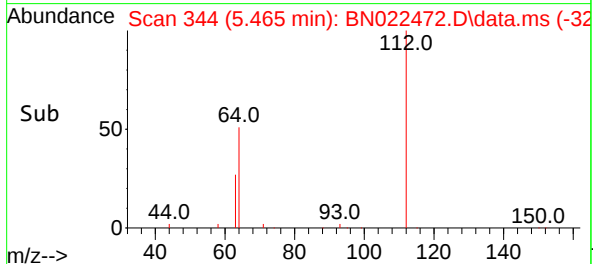
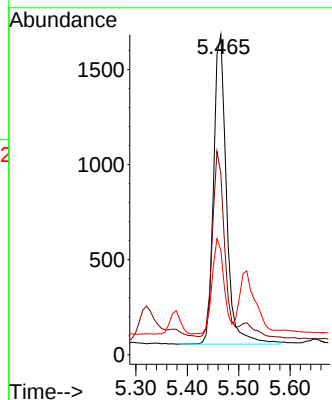
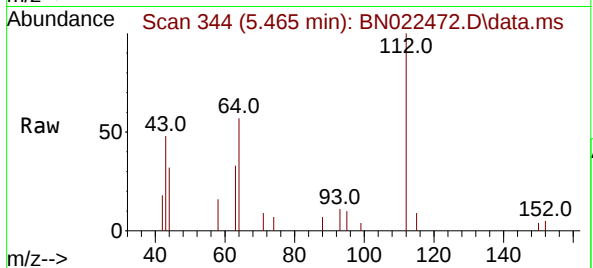




#4
2-Fluorophenol
Concen: 0.348 ng
RT: 5.465 min Scan# 34
Delta R.T. 0.007 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

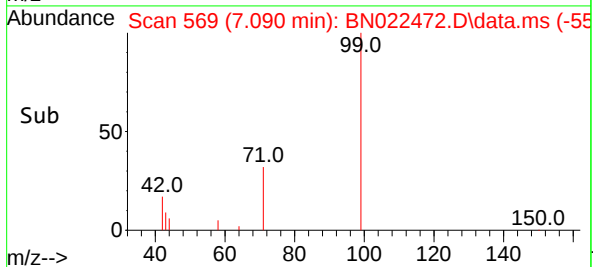
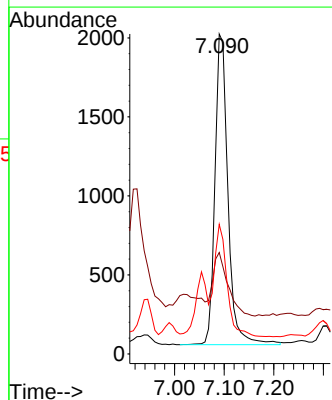
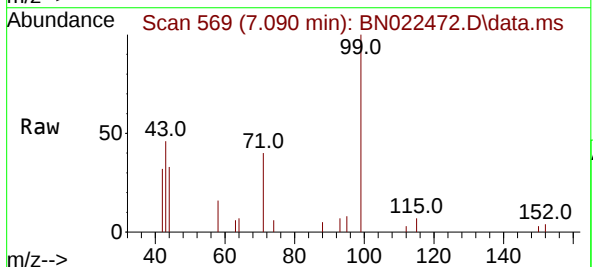
Instrument :
BNA_N
ClientSampleId :
S-11-103122

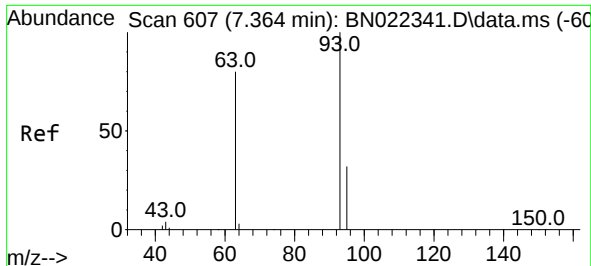
Tgt Ion:112 Resp: 2818
Ion Ratio Lower Upper
112 100
64 55.0 47.0 70.4
63 28.4 24.5 36.7



#5
Phenol-d6
Concen: 0.351 ng
RT: 7.090 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion: 99 Resp: 3567
Ion Ratio Lower Upper
99 100
42 24.3 16.3 24.5
71 35.7 26.1 39.1

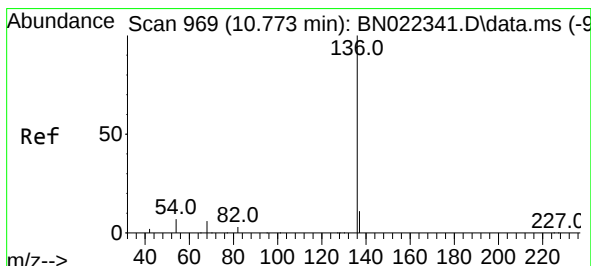
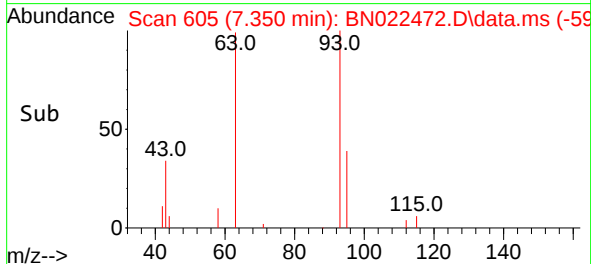
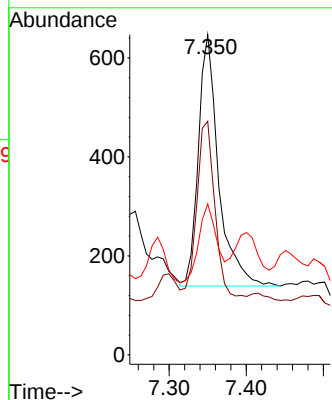
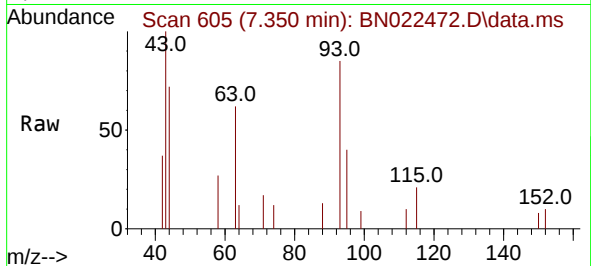




#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.350 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

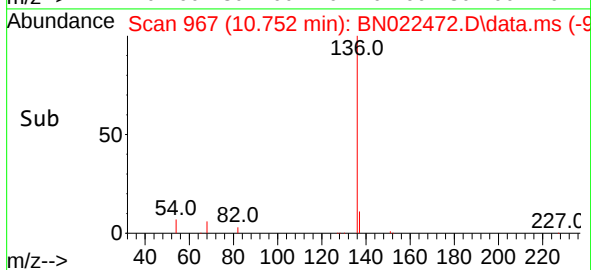
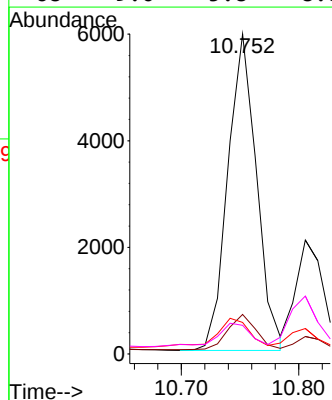
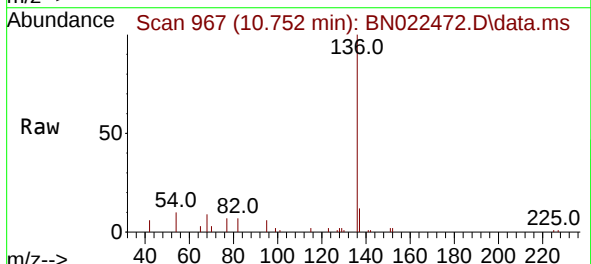
Instrument :
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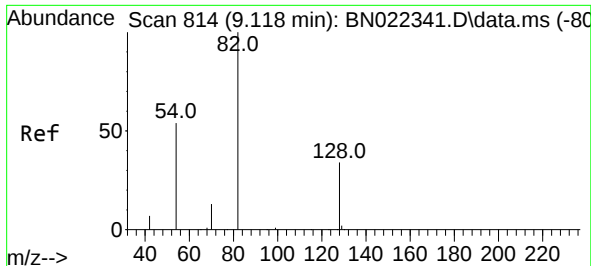
Tgt Ion:	93	Resp:	929
Ion	Ratio	Lower	Upper
93	100		
63	67.3	62.6	93.8
95	27.9	26.1	39.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:	136	Resp:	10111
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.4	14.2
54	9.8	6.5	9.7#
68	9.0	5.8	8.8#

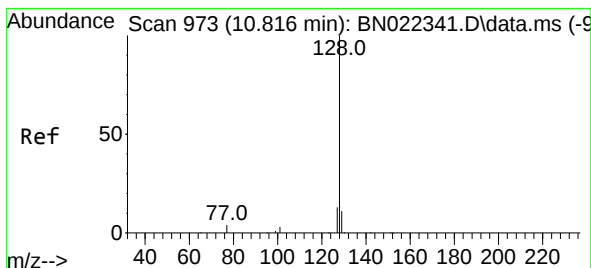
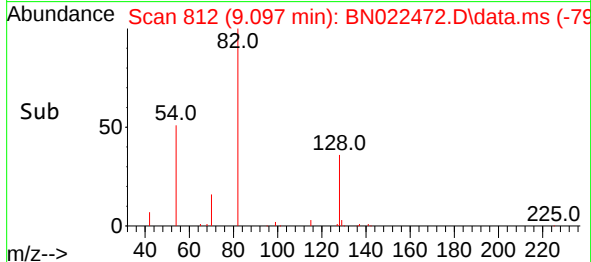
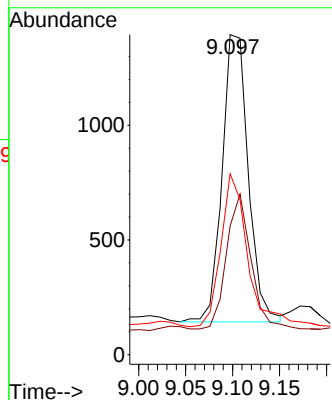
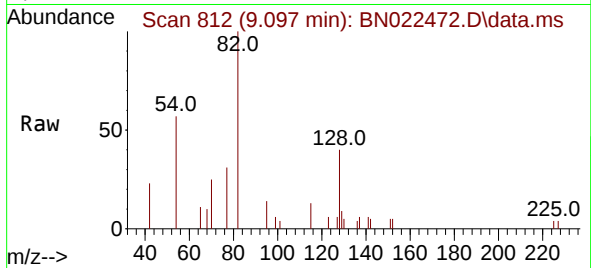




#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 9.097 min Scan# 814
Delta R.T. -0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

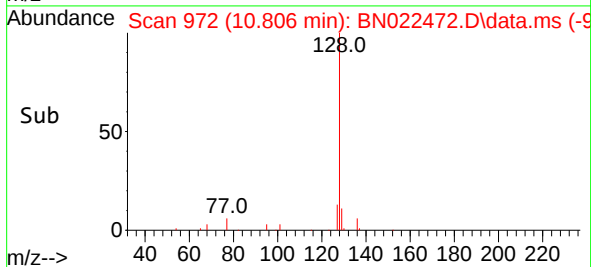
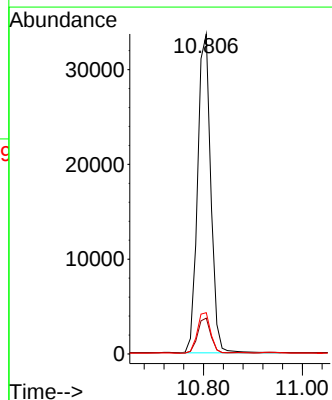
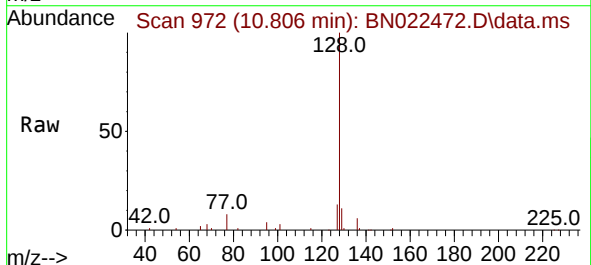
Instrument :
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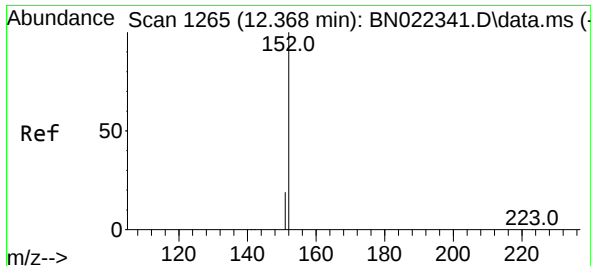
Tgt Ion: 82 Resp: 2429
Ion Ratio Lower Upper
82 100
128 40.2 30.5 45.7
54 56.6 45.2 67.8



#9
Naphthalene
Concen: 2.061 ng
RT: 10.806 min Scan# 972
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion: 128 Resp: 62306
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 12.9 11.0 16.6

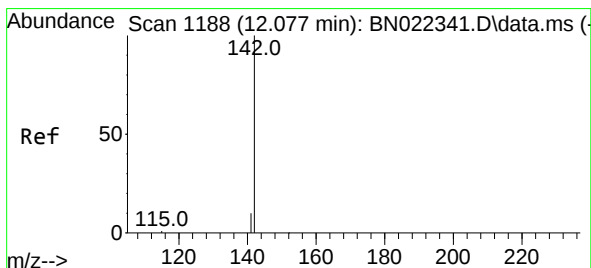
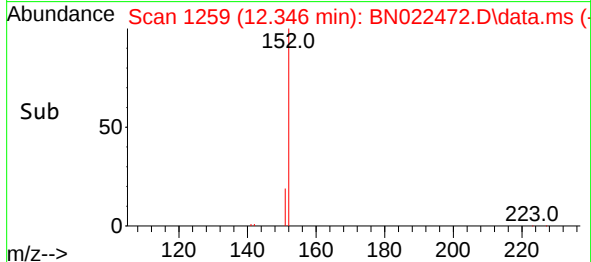
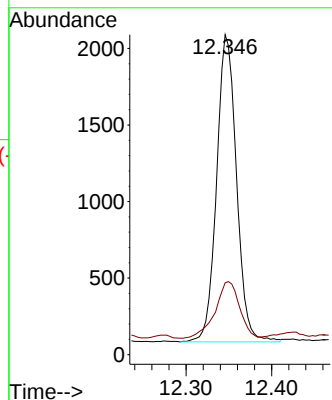
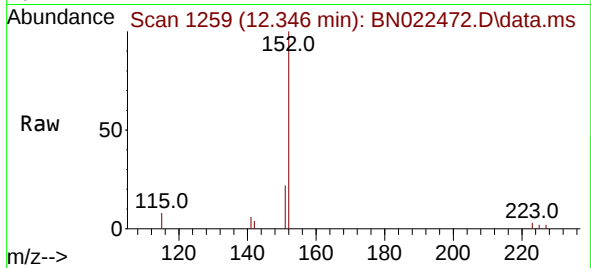




#11
2-Methylnaphthalene-d10
Concen: 0.205 ng
RT: 12.346 min Scan# 1191
Delta R.T. -0.004 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

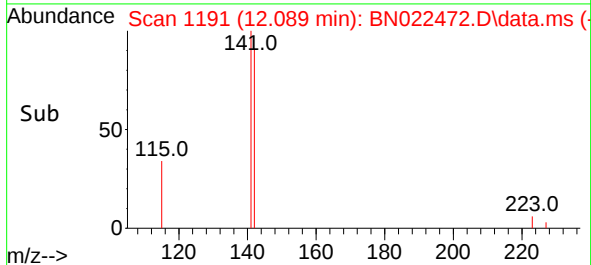
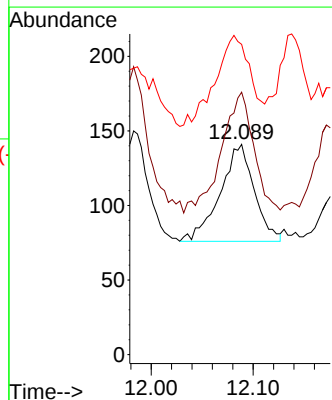
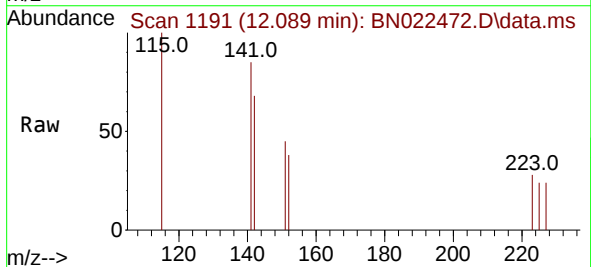
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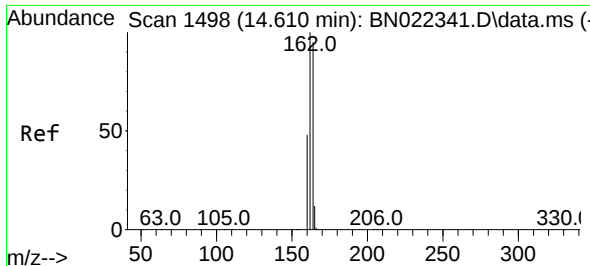
Tgt Ion:152 Resp: 3247
Ion Ratio Lower Upper
152 100
151 23.1 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.089 min Scan# 1191
Delta R.T. 0.027 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
141 124.8 13.0 19.4#
115 147.5 9.1 13.7#

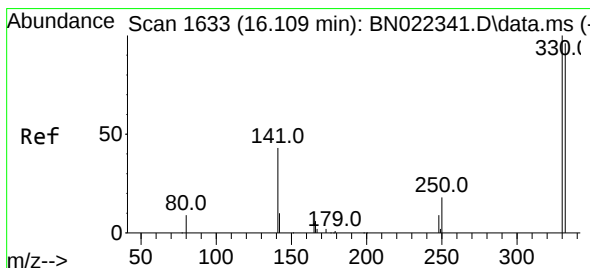
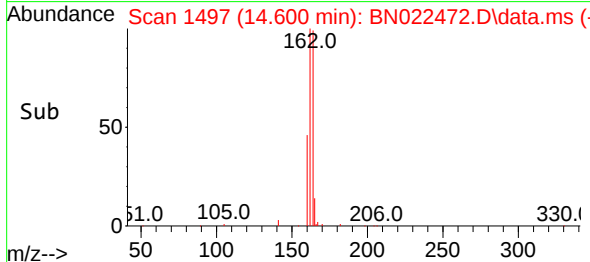
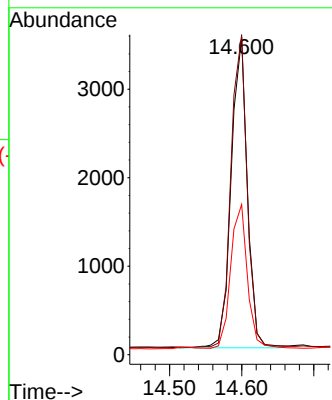
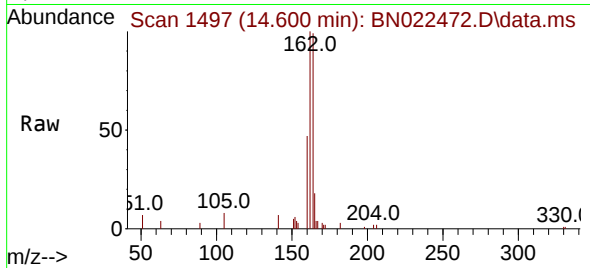




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

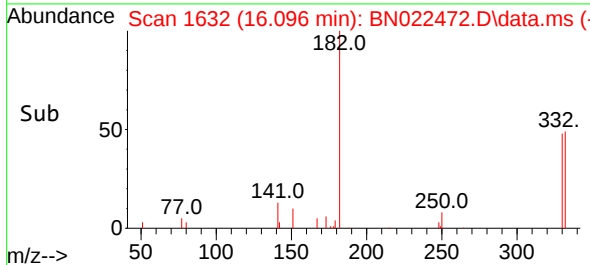
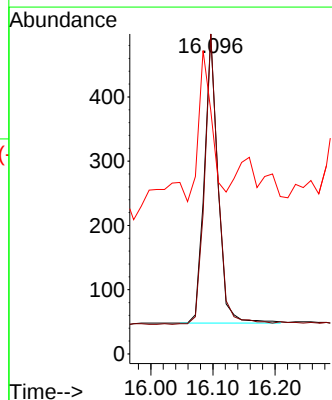
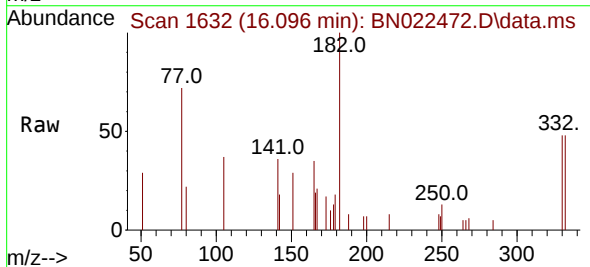
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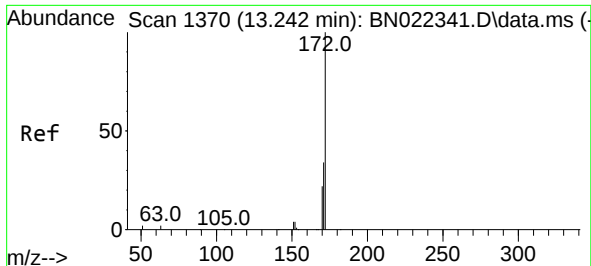
Tgt Ion:164 Resp: 5438
Ion Ratio Lower Upper
164 100
162 100.8 83.9 125.9
160 47.3 41.0 61.4



#14
2,4,6-Tribromophenol
Concen: 0.294 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:330 Resp: 687
Ion Ratio Lower Upper
330 100
332 100.0 78.6 118.0
141 49.9 40.2 60.4

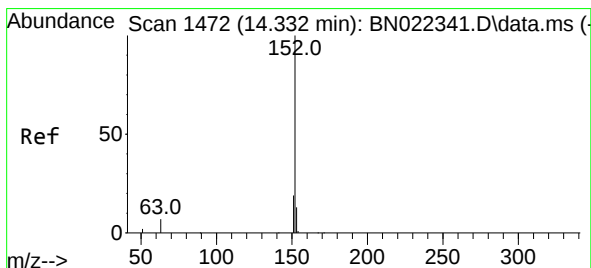
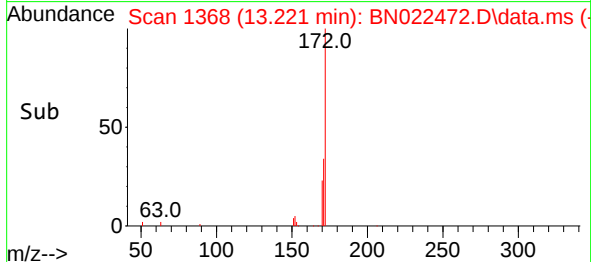
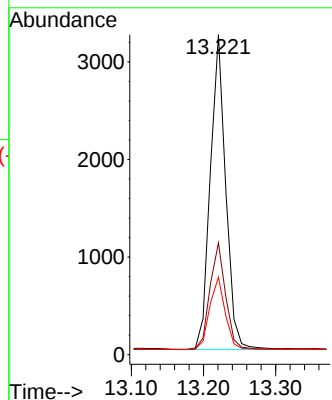
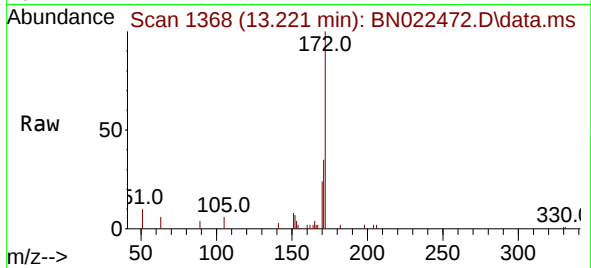




#15
2-Fluorobiphenyl
Concen: 0.207 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

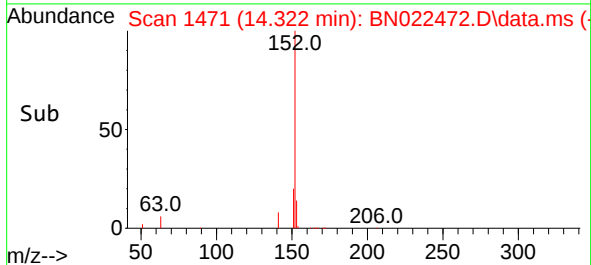
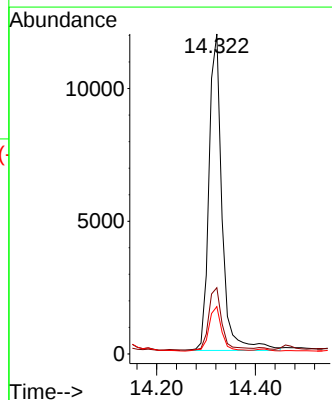
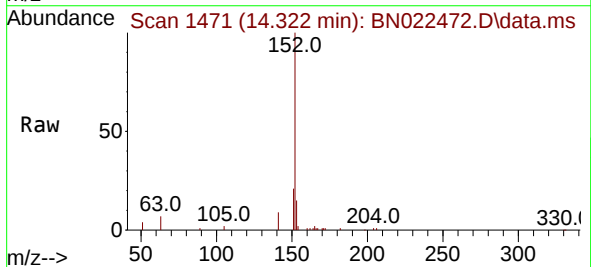
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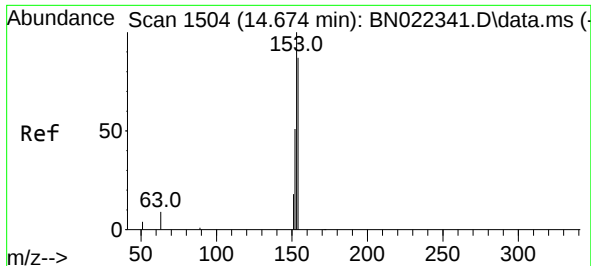
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Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 24.2 18.5 27.7



#16
Acenaphthylene
Concen: 0.831 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:152 Resp: 21905
Ion Ratio Lower Upper
152 100
151 19.9 15.2 22.8
153 13.8 10.3 15.5

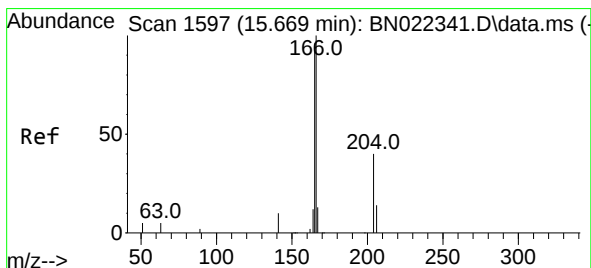
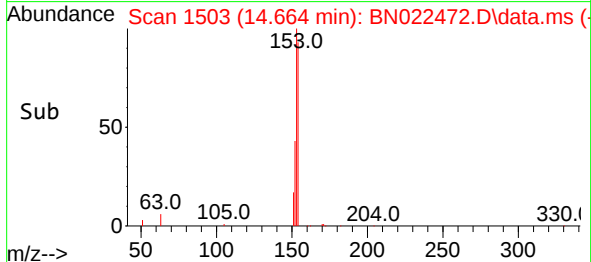
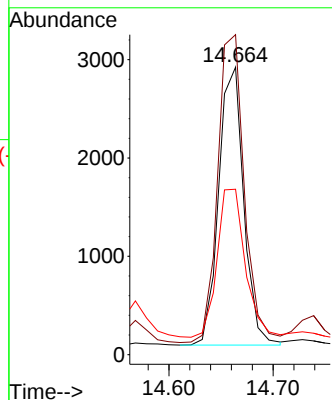
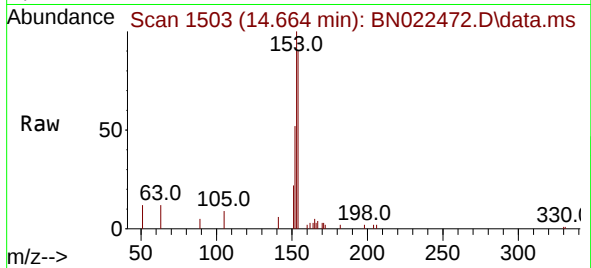




#17
Acenaphthene
Concen: 0.264 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

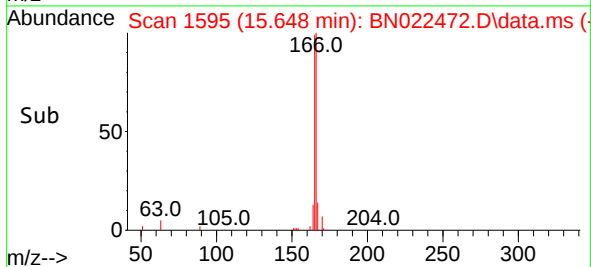
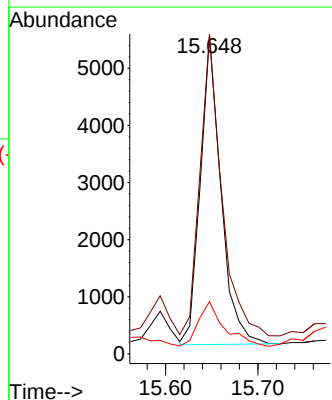
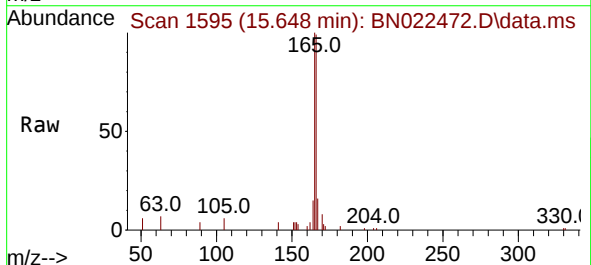
Instrument :
BNA_N
ClientSampleId :
S-11-103122

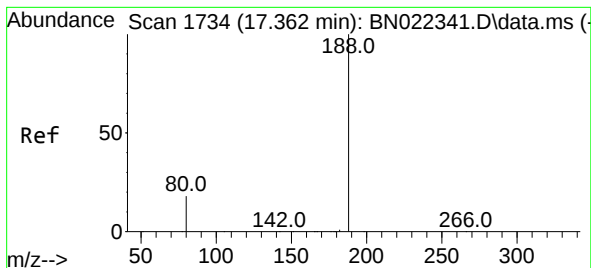
Tgt Ion:154 Resp: 4733
Ion Ratio Lower Upper
154 100
153 117.4 92.2 138.2
152 59.6 47.6 71.4



#18
Fluorene
Concen: 0.339 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:166 Resp: 8495
Ion Ratio Lower Upper
166 100
165 102.7 78.6 118.0
167 17.8 10.2 15.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.350 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN022472.D

Acq: 02 Nov 2022 20:13

Instrument :

BNA_N

ClientSampleId :

S-11-103122

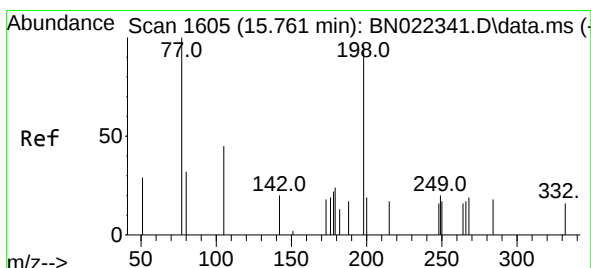
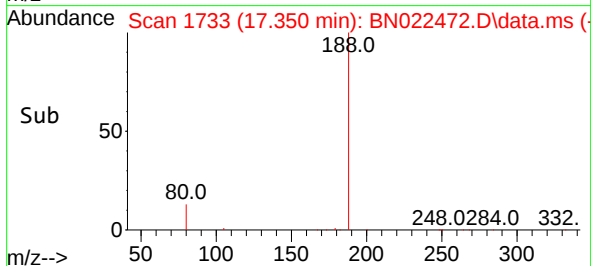
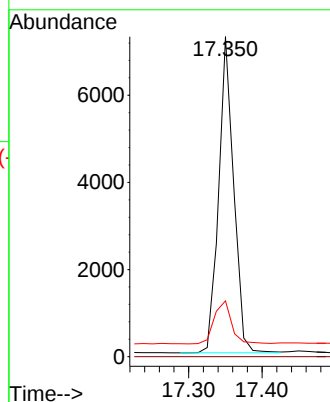
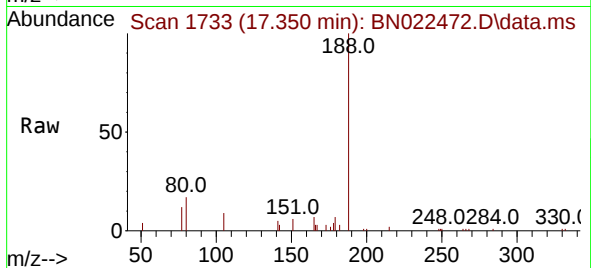
Tgt Ion:188 Resp: 10316

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.5 15.0 22.6



#20

4,6-Dinitro-2-methylphenol

Concen: 0.027 ng

RT: 15.749 min Scan# 1604

Delta R.T. 0.000 min

Lab File: BN022472.D

Acq: 02 Nov 2022 20:13

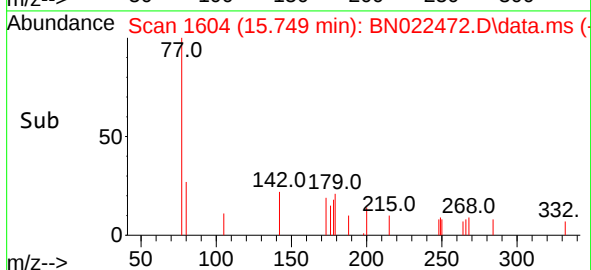
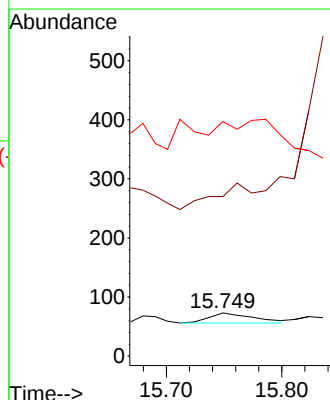
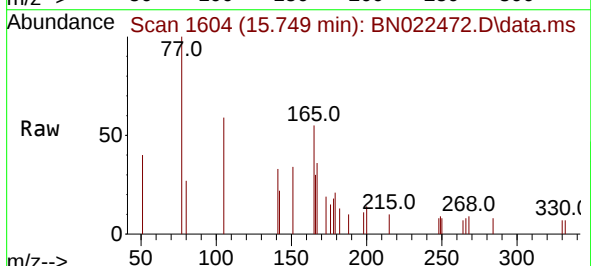
Tgt Ion:198 Resp: 45

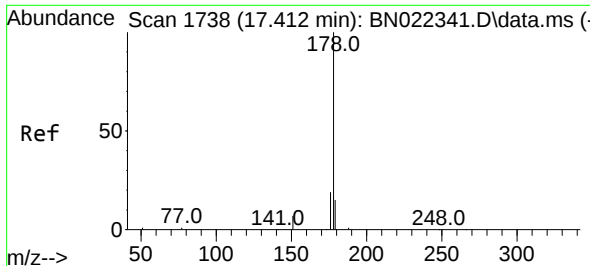
Ion Ratio Lower Upper

198 100

51 369.9 74.1 111.1#

105 543.8 58.8 88.2#

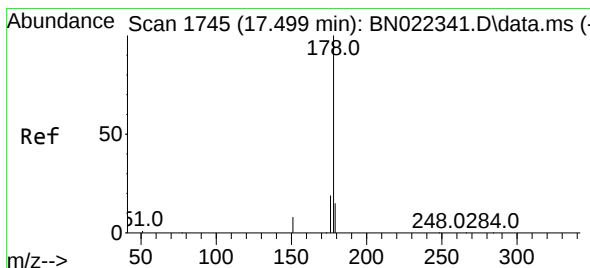
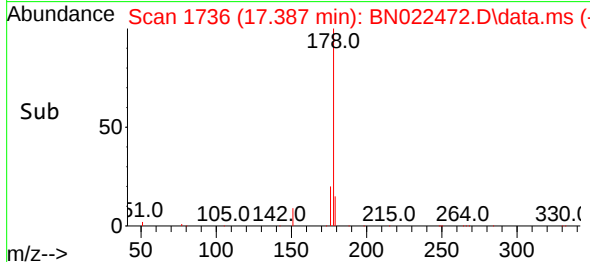
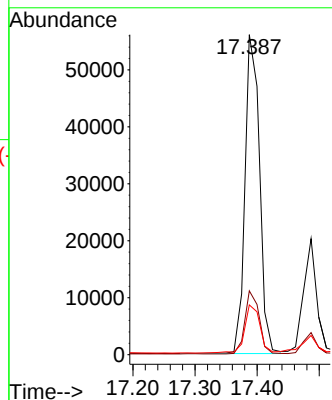
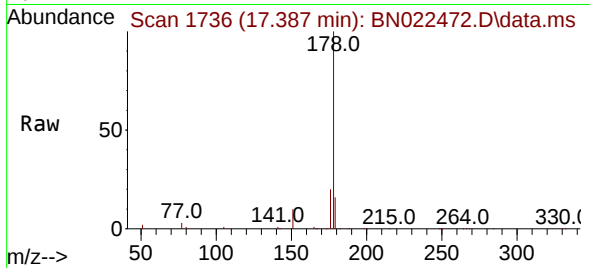




#25
 Phenanthrene
 Concen: 2.575 ng
 RT: 17.387 min Scan# 1736
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

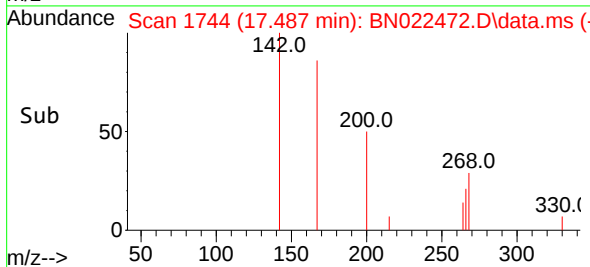
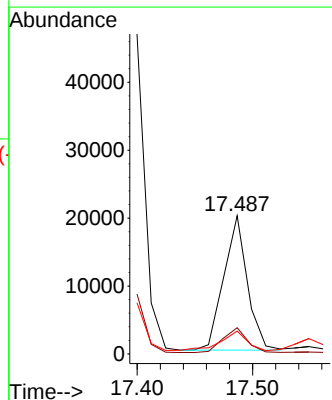
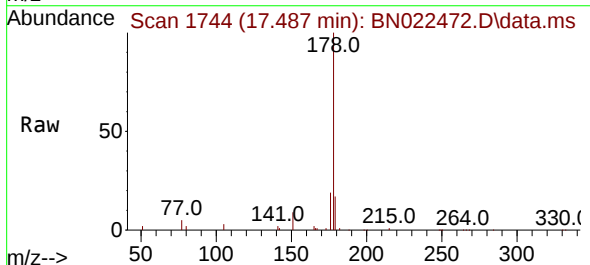
Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122

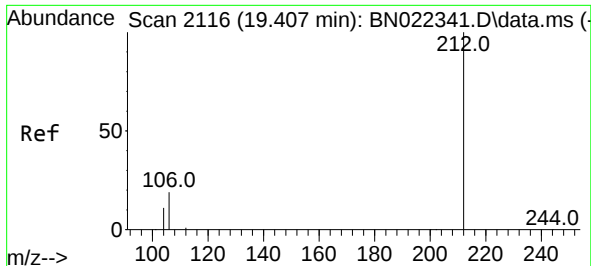
Tgt Ion:178 Resp: 91078
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.9 12.5 18.7



#26
 Anthracene
 Concen: 0.943 ng
 RT: 17.487 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

Tgt Ion:178 Resp: 28087
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.4
 179 15.7 12.2 18.4

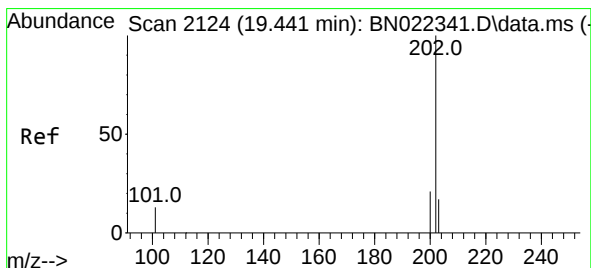
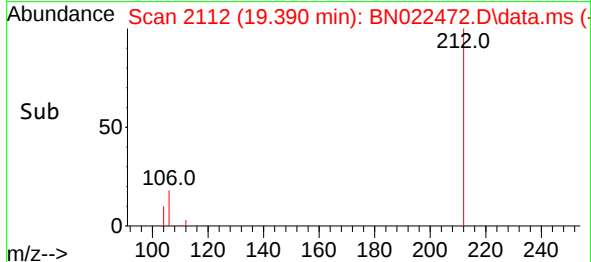
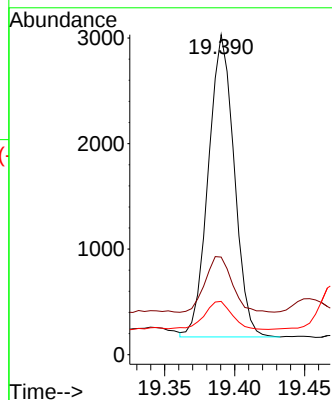
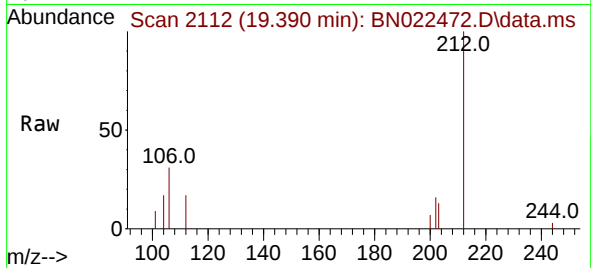




#27
Fluoranthene-d10
Concen: 0.129 ng
RT: 19.390 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

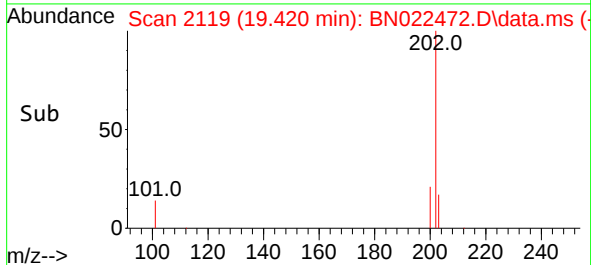
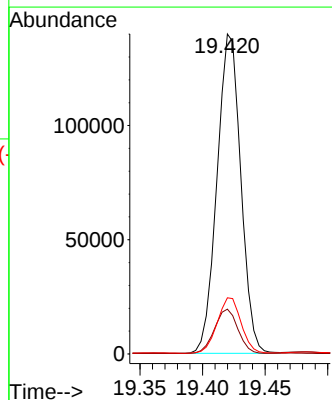
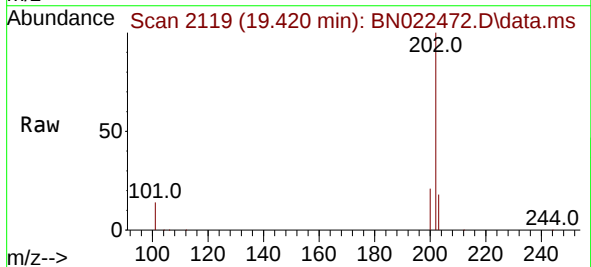
Instrument :
BNA_N
ClientSampleId :
S-11-103122

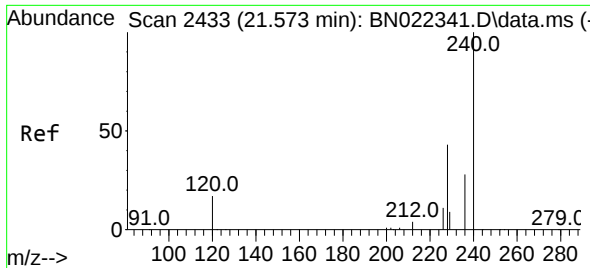
Tgt Ion:212 Resp: 3683
Ion Ratio Lower Upper
212 100
106 19.1 15.0 22.4
104 10.4 9.3 13.9



#28
Fluoranthene
Concen: 4.826 ng
RT: 19.420 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:202 Resp: 185069
Ion Ratio Lower Upper
202 100
101 13.7 11.4 17.0
203 17.3 13.7 20.5

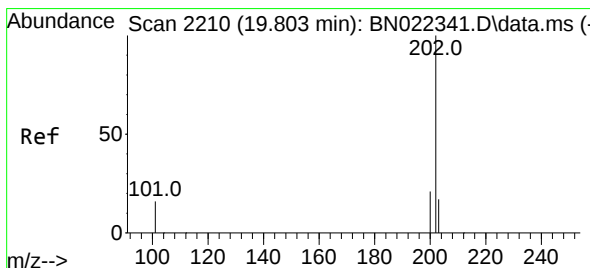
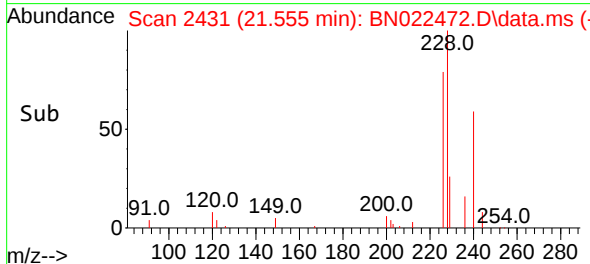
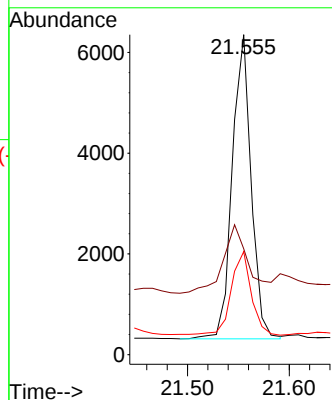
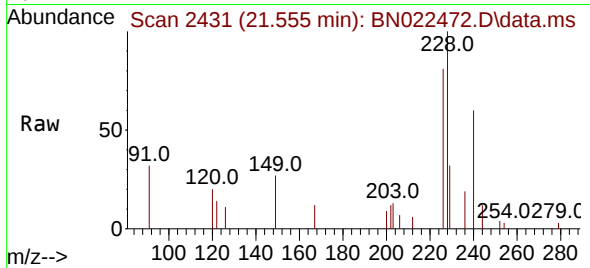




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

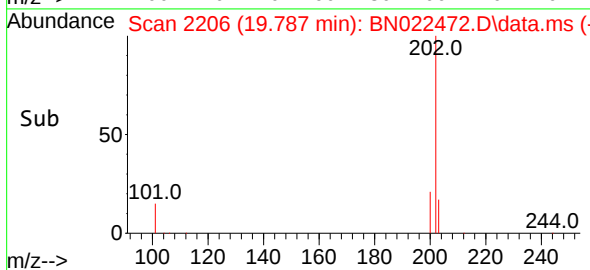
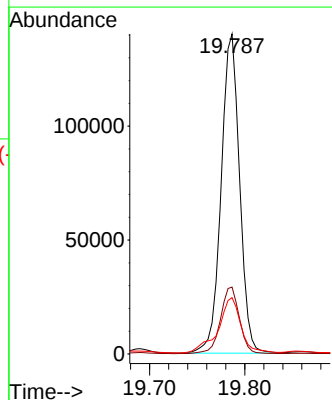
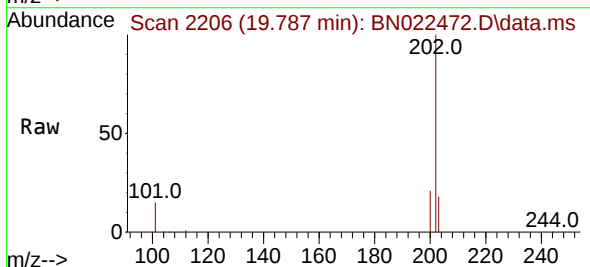
Instrument :
BNA_N
ClientSampleId :
S-11-103122

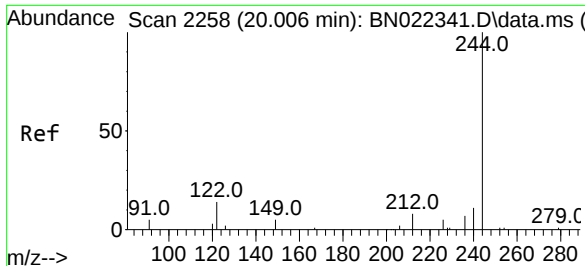
Tgt Ion:240 Resp: 7781
Ion Ratio Lower Upper
240 100
120 33.1 15.8 23.6#
236 32.2 23.2 34.8



#30
Pyrene
Concen: 5.285 ng
RT: 19.787 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:202 Resp: 189245
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 21.1 14.2 21.2

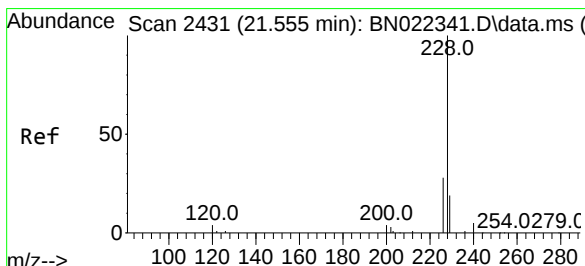
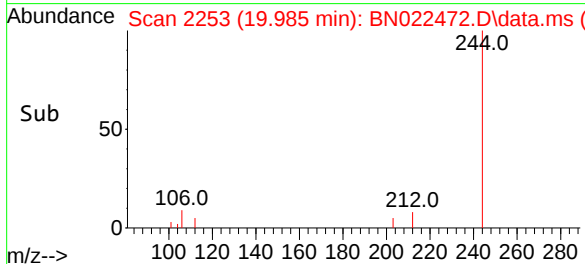
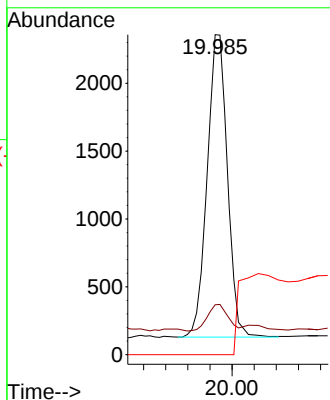
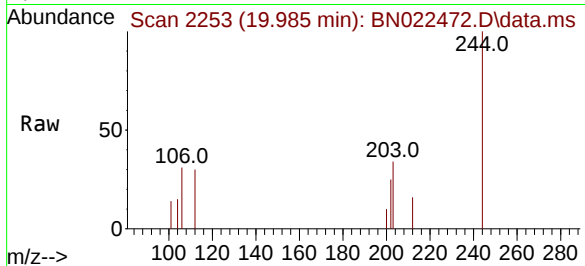




#31
 Terphenyl-d14
 Concen: 0.175 ng
 RT: 19.985 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

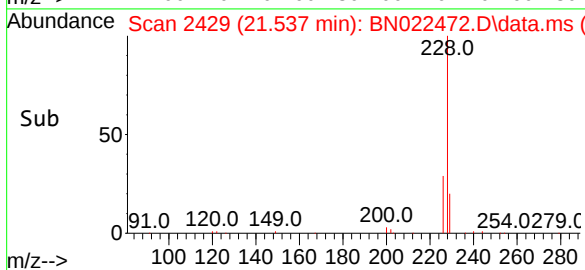
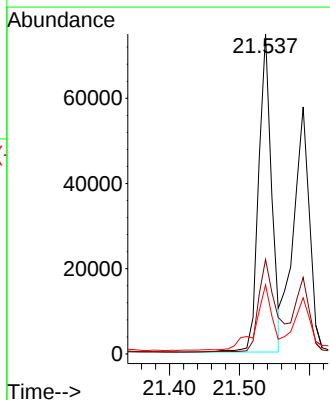
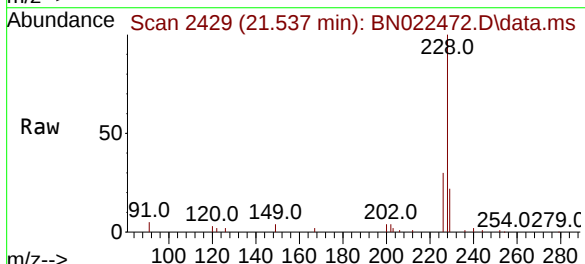
Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122

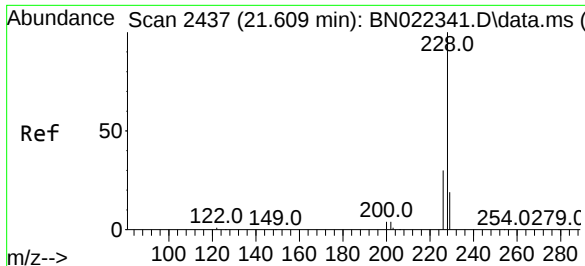
Tgt Ion:244 Resp: 3544
 Ion Ratio Lower Upper
 244 100
 212 15.6 7.0 10.4#
 122 0.0 11.5 17.3#



#32
 Benzo(a)anthracene
 Concen: 3.121 ng
 RT: 21.537 min Scan# 2429
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

Tgt Ion:228 Resp: 95617
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 34.0
 229 21.6 15.5 23.3





#33

Chrysene

Concen: 2.625 ng

RT: 21.591 min Scan# 2437

Delta R.T. 0.000 min

Lab File: BN022472.D

Acq: 02 Nov 2022 20:13

Instrument :

BNA_N

ClientSampleId :

S-11-103122

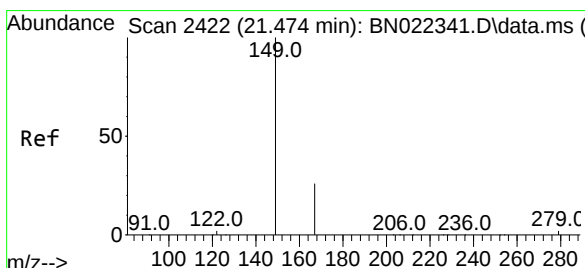
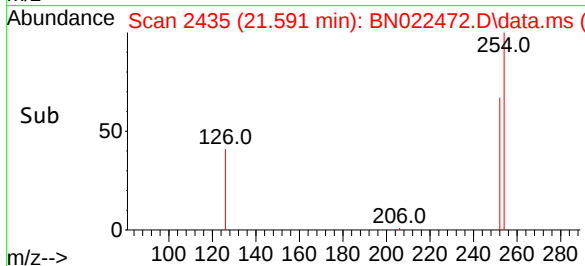
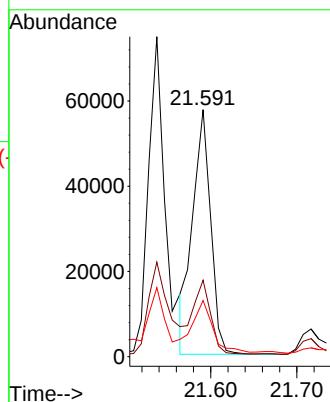
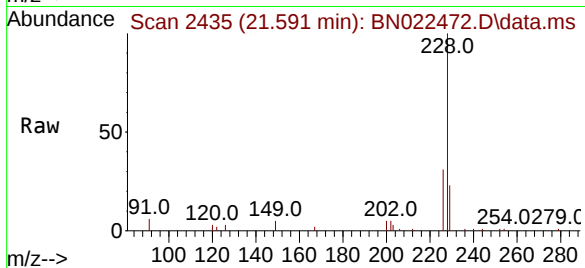
Tgt Ion:228 Resp: 84061

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 22.7 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.391 ng

RT: 21.448 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BN022472.D

Acq: 02 Nov 2022 20:13

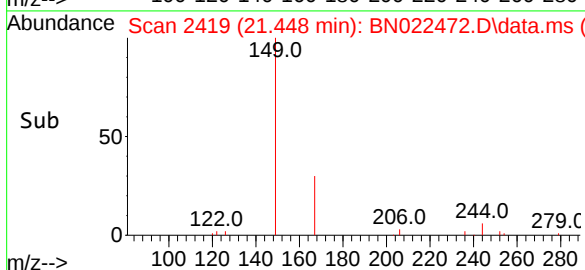
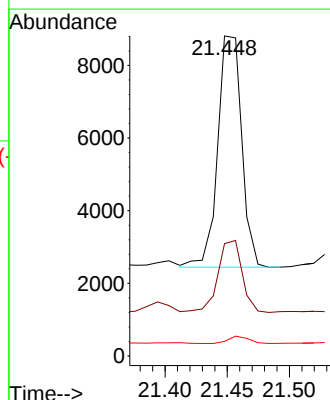
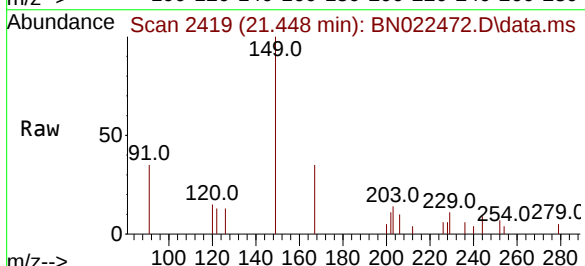
Tgt Ion:149 Resp: 8544

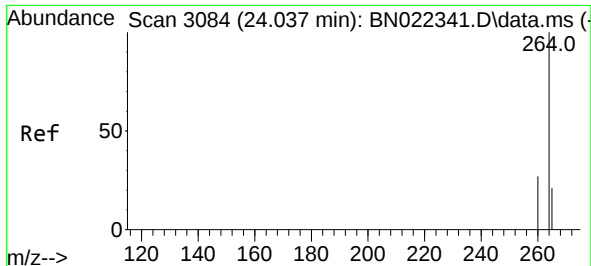
Ion Ratio Lower Upper

149 100

167 31.4 20.2 30.4#

279 2.7 2.3 3.5



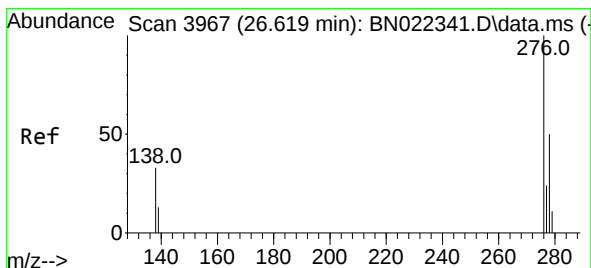
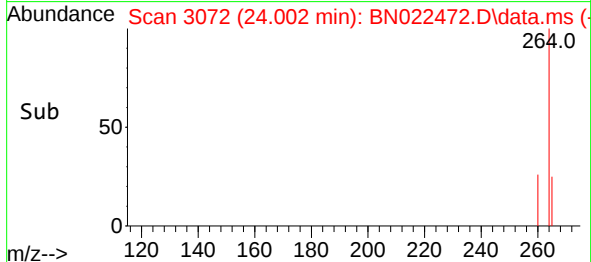
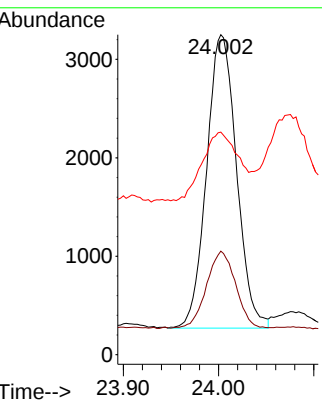
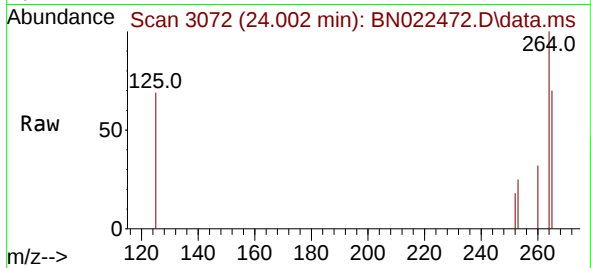


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Instrument :
BNA_N
ClientSampleId :
S-11-103122

Tgt Ion:264 Resp: 6507

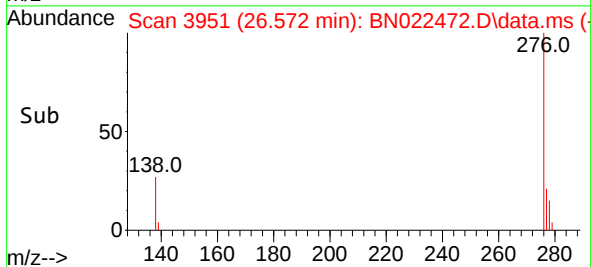
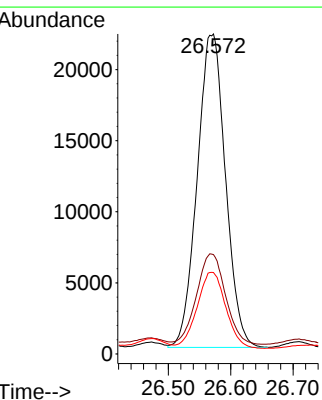
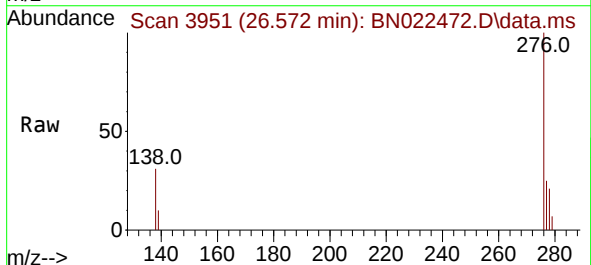
Ion	Ratio	Lower	Upper
264	100		
260	32.3	22.1	33.1
265	69.5	53.0	79.4

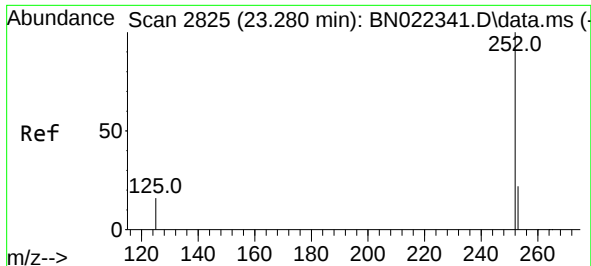


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.159 ng
RT: 26.572 min Scan# 3951
Delta R.T. 0.006 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:276 Resp: 69388

Ion	Ratio	Lower	Upper
276	100		
138	29.4	28.2	42.2
277	24.7	19.7	29.5

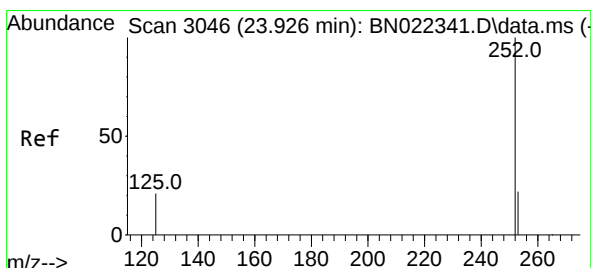
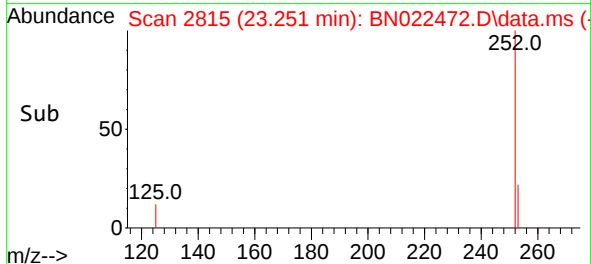
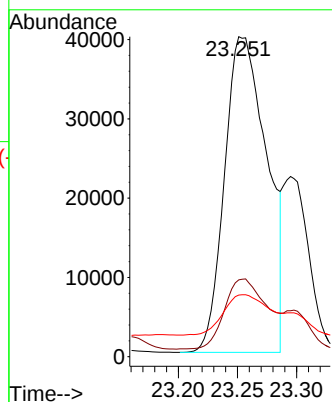
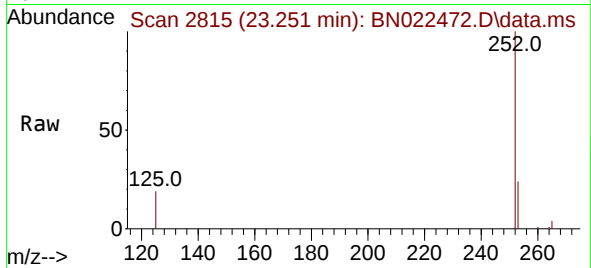




#37
Benzo(b)fluoranthene
Concen: 3.336 ng
RT: 23.251 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

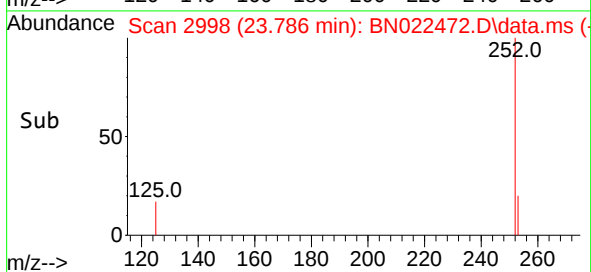
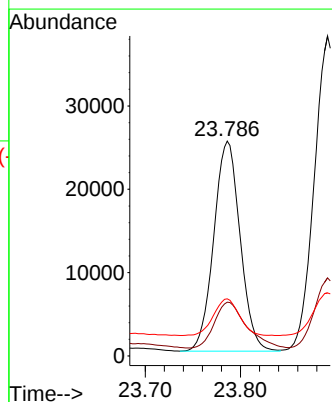
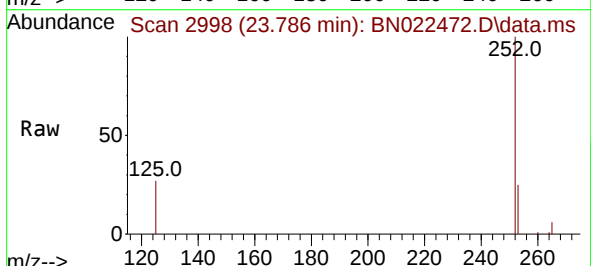
Instrument :
BNA_N
ClientSampleId :
S-11-103122

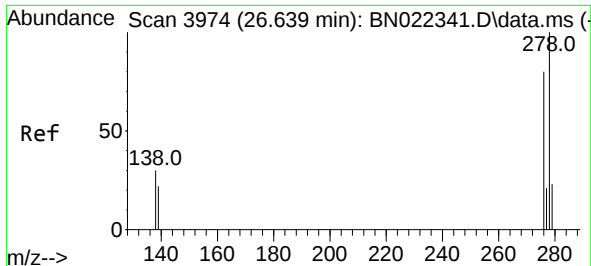
Tgt Ion:252 Resp: 99363
Ion Ratio Lower Upper
252 100
253 24.0 20.4 30.6
125 19.3 16.6 25.0



#39
Benzo(a)pyrene
Concen: 1.998 ng
RT: 23.786 min Scan# 2998
Delta R.T. -0.105 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:252 Resp: 48434
Ion Ratio Lower Upper
252 100
253 25.1 21.9 32.9
125 26.6 22.9 34.3

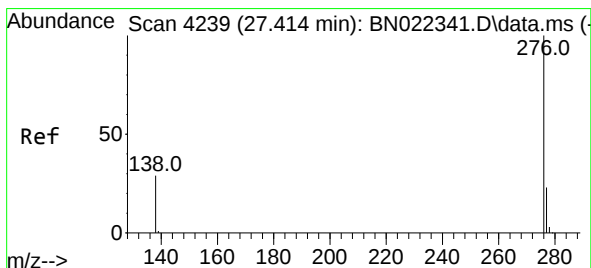
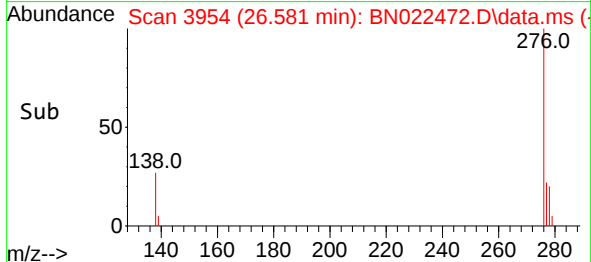
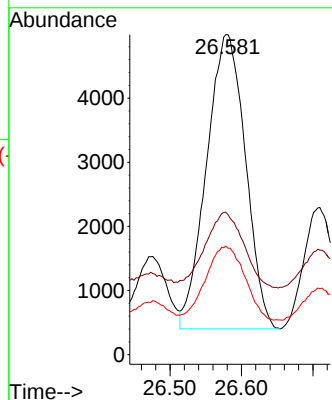
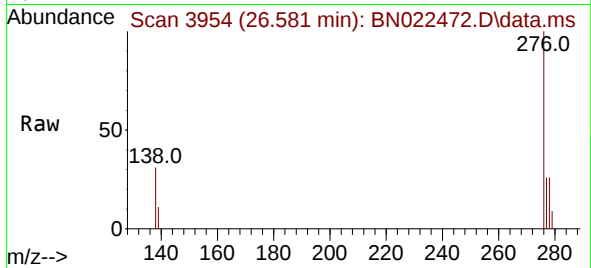




#40
Dibenzo(a,h)anthracene
Concen: 0.692 ng
RT: 26.581 min Scan# 3974
Delta R.T. -0.006 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Instrument :
BNA_N
ClientSampleId :
S-11-103122

Tgt Ion:278 Resp: 17366
Ion Ratio Lower Upper
278 100
139 43.7 20.2 30.2#
279 33.2 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 2.548 ng
RT: 27.362 min Scan# 4221
Delta R.T. 0.003 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:276 Resp: 67496
Ion Ratio Lower Upper
276 100
277 25.3 19.5 29.3
138 31.9 25.0 37.4

