

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028932.D
 Acq On : 01 Dec 2023 04:45
 Operator : MA/JU
 Sample : 05312-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-4(170FT)(5-10)

Quant Time: Dec 01 05:17:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

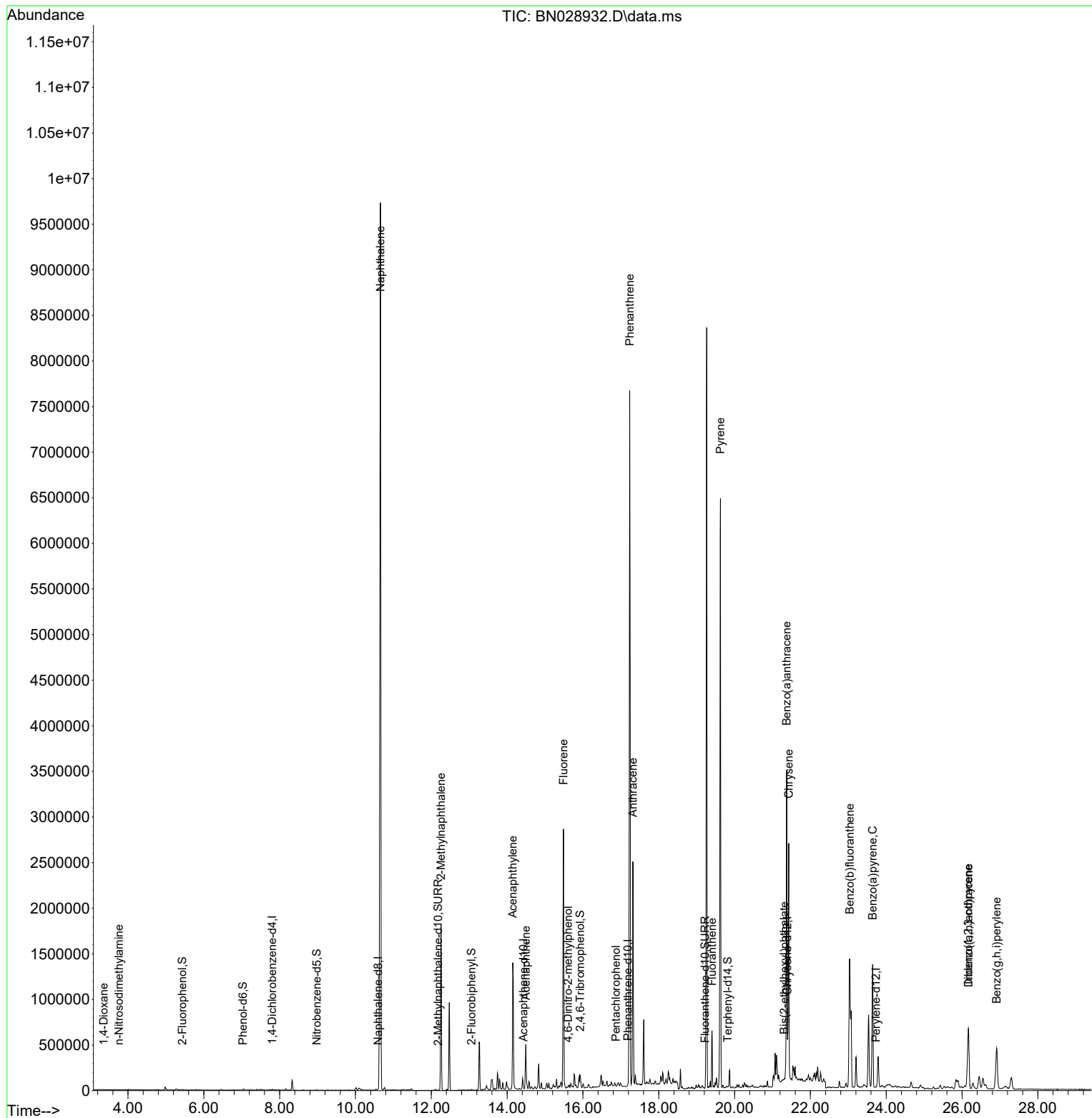
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	4790	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	13948	0.400	ng	# 0.00
13) Acenaphthene-d10	14.428	164	10136	0.400	ng	0.00
19) Phenanthrene-d10	17.184	188	11679	0.400	ng	# 0.00
29) Chrysene-d12	21.391	240	9793	0.400	ng	# 0.02
35) Perylene-d12	23.734	264	9120	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	3762	0.259	ng	-0.01
5) Phenol-d6	7.031	99	4328	0.269	ng	-0.01
8) Nitrobenzene-d5	8.982	82	3050	0.220	ng	0.00
11) 2-Methylnaphthalene-d10	12.181	152	5253	0.235	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	531	0.078	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6504	0.149	ng	-0.01
27) Fluoranthene-d10	19.222	212	4355	0.142	ng	0.00
31) Terphenyl-d14	19.822	244	6901	0.303	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.362	88	135	0.029	ng	# 23
3) n-Nitrosodimethylamine	3.759	42	76	0.102	ng	# 71
9) Naphthalene	10.658	128	12761737	287.921	ng	100
12) 2-Methylnaphthalene	12.257	142	1162447	41.737	ng	97
16) Acenaphthylene	14.150	152	1591685	29.643	ng	100
17) Acenaphthene	14.492	154	233236	6.544	ng	99
18) Fluorene	15.487	166	1723889	38.209	ng	100
20) 4,6-Dinitro-2-methylph...	15.607	198	284	0.111	ng	# 1
24) Pentachlorophenol	16.873	266	260	0.057	ng	# 29
25) Phenanthrene	17.233	178	8121374	210.608	ng	97
26) Anthracene	17.320	178	2224187	62.401	ng	98
28) Fluoranthene	19.404	202	540601	13.482	ng	98
30) Pyrene	19.627	202	5707641	76.274	ng	98
32) Benzo(a)anthracene	21.374	228	2708788	65.056	ng	98
33) Chrysene	21.427	228	1942540	47.516	ng	93
34) Bis(2-ethylhexyl)phtha...	21.311	149	16137	0.169	ng	# 86
36) Indeno(1,2,3-cd)pyrene	26.166	276	1137817	28.631	ng	# 90
37) Benzo(b)fluoranthene	23.035	252	2600044	69.686	ng	# 24
39) Benzo(a)pyrene	23.640	252	1896965	56.924	ng	# 16
40) Dibenzo(a,h)anthracene	26.172	278	285582	9.286	ng	# 29
41) Benzo(g,h,i)perylene	26.912	276	1008320	29.148	ng	# 67

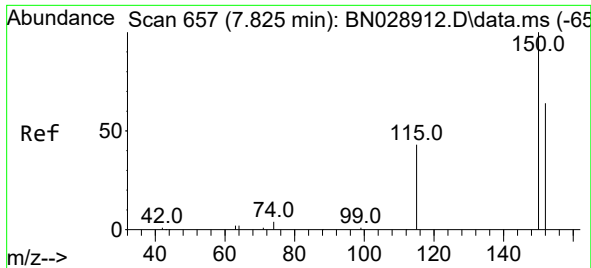
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028932.D
Acq On : 01 Dec 2023 04:45
Operator : MA/JU
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Instrument :
BNA_N
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P-4(170FT)(5-10)

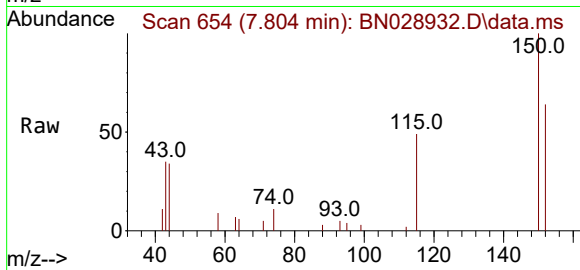
Quant Time: Dec 01 05:17:39 2023
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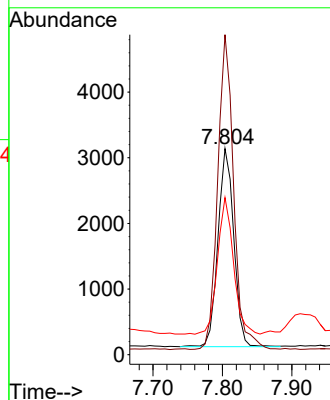
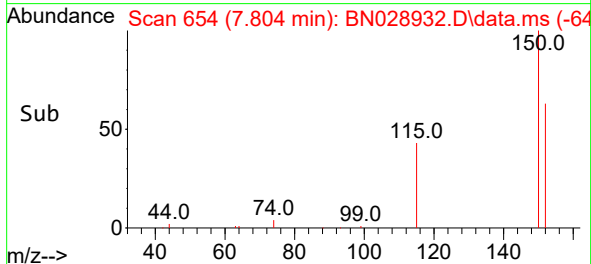


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

Instrument :
 BNA_N
 ClientSampleId :
 P-4(170FT)(5-10)

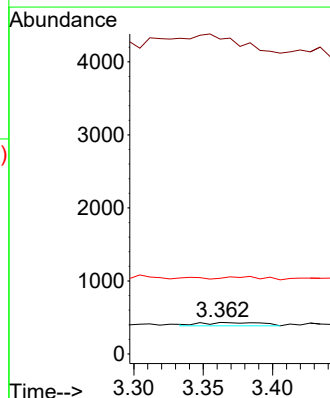
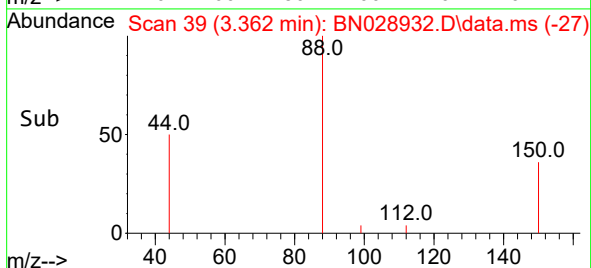
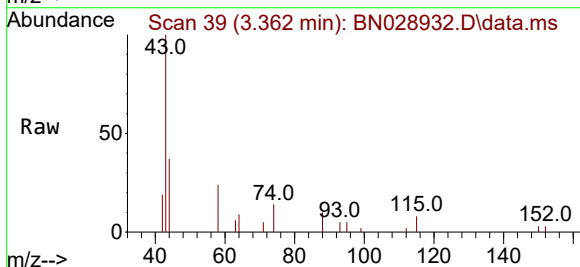


Tgt Ion:152 Resp: 4790
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.4 185.2
 115 76.2 59.1 88.7



#2
 1,4-Dioxane
 Concen: 0.029 ng
 RT: 3.362 min Scan# 39
 Delta R.T. -0.015 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

Tgt Ion: 88 Resp: 135
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.9 44.9#
 58 0.0 55.0 82.4#

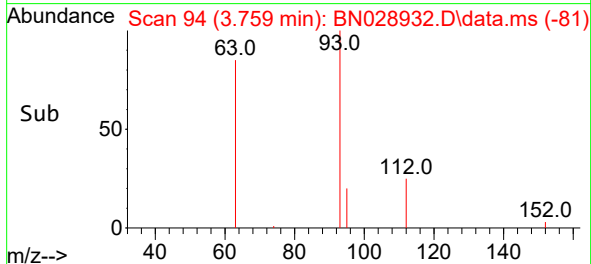
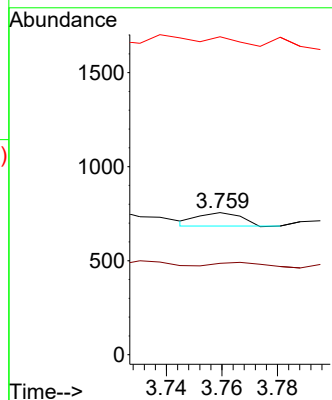
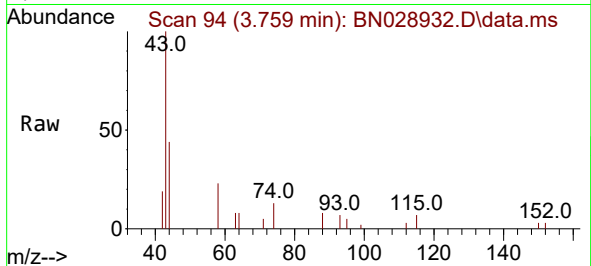




#3
n-Nitrosodimethylamine
Concen: 0.102 ng
RT: 3.759 min Scan# 94
Delta R.T. -0.007 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

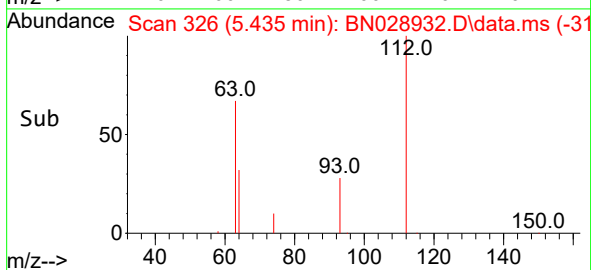
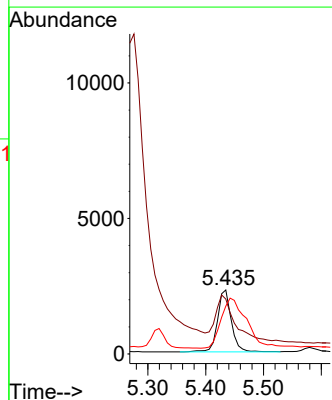
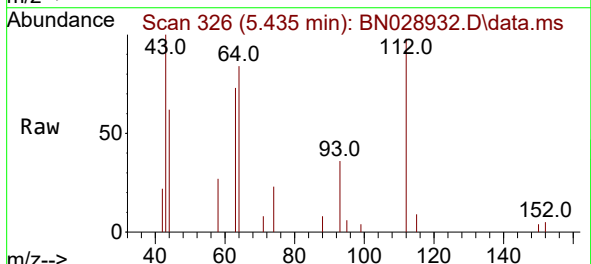
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P-4(170FT)(5-10)

Tgt Ion: 42 Resp: 76
Ion Ratio Lower Upper
42 100
74 47.4 57.0 85.6#
44 0.0 0.0 0.0



#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.015 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion: 112 Resp: 3762
Ion Ratio Lower Upper
112 100
64 111.4 51.5 77.3#
63 153.8 30.4 45.6#

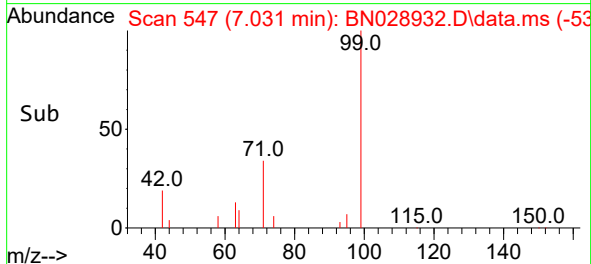
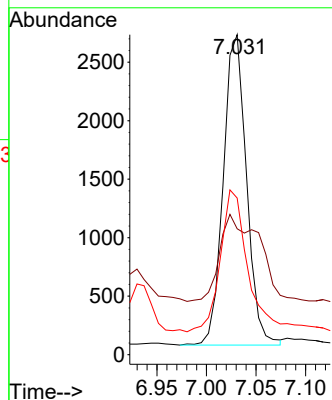
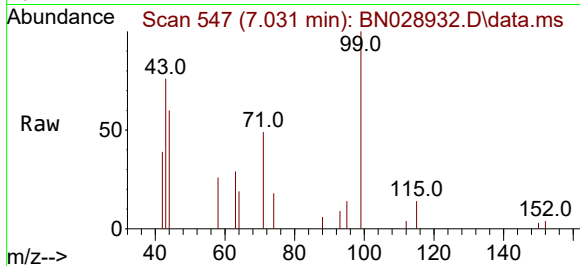




#5
Phenol-d6
Concen: 0.269 ng
RT: 7.031 min Scan# 54
Delta R.T. -0.015 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

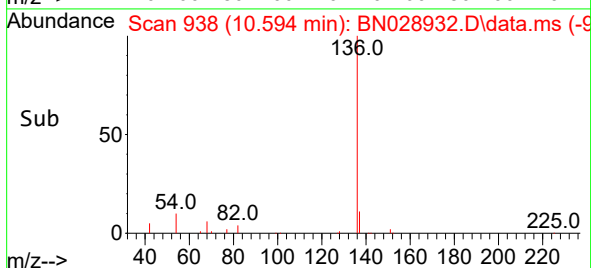
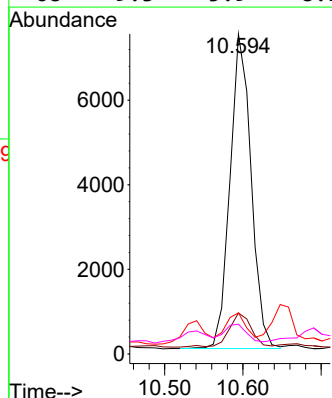
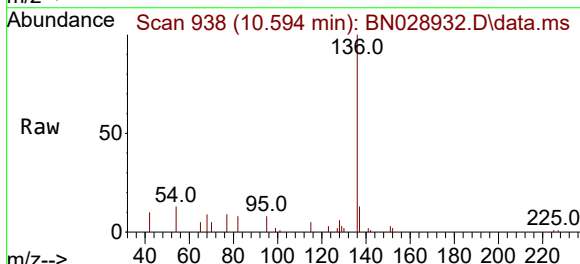
Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)

Tgt Ion: 99 Resp: 4328
Ion Ratio Lower Upper
99 100
42 52.2 21.2 31.8#
71 56.2 35.4 53.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion: 136 Resp: 13948
Ion Ratio Lower Upper
136 100
137 12.8 10.6 16.0
54 12.9 7.5 11.3#
68 9.3 5.9 8.9#

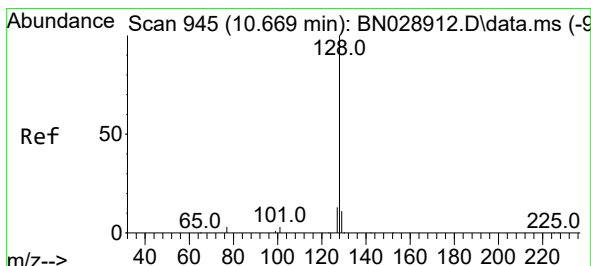
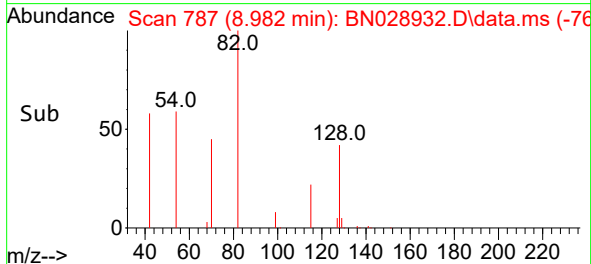
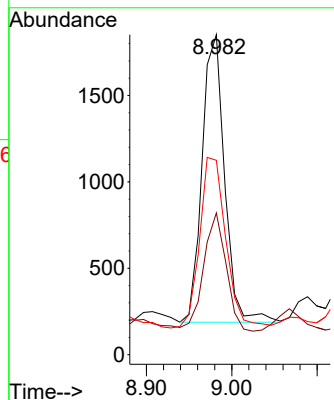
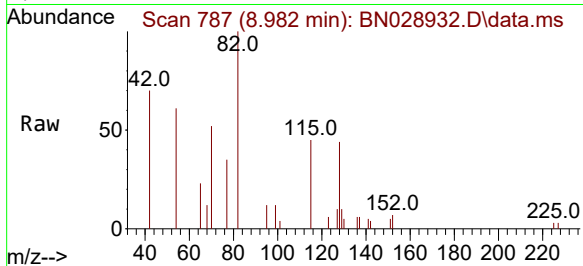




#8
Nitrobenzene-d5
Concen: 0.220 ng
RT: 8.982 min Scan# 790
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

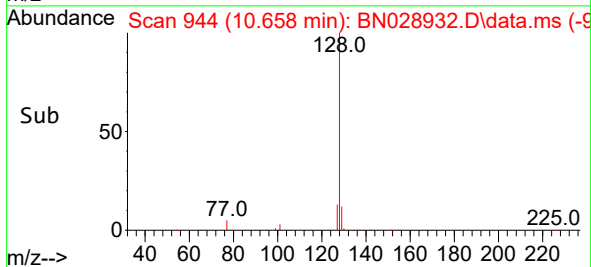
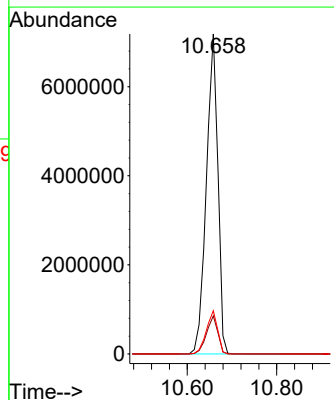
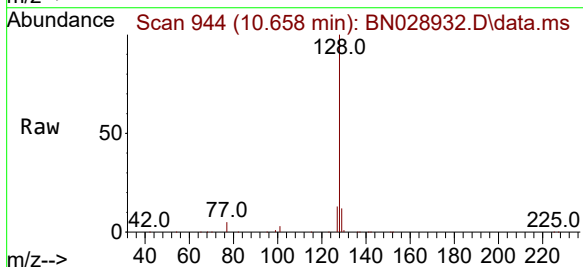
Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)

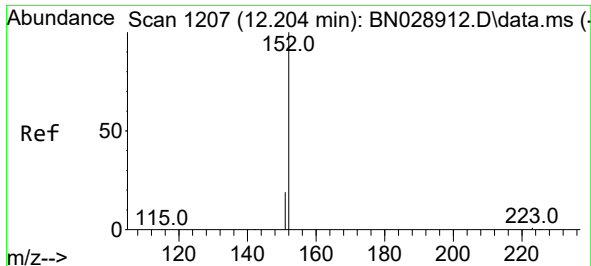
Tgt Ion: 82 Resp: 3050
Ion Ratio Lower Upper
82 100
128 44.3 29.2 43.8#
54 60.7 47.0 70.6



#9
Naphthalene
Concen: 287.921 ng
RT: 10.658 min Scan# 944
Delta R.T. 0.011 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion: 128 Resp: 12761737
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 13.5 11.0 16.4

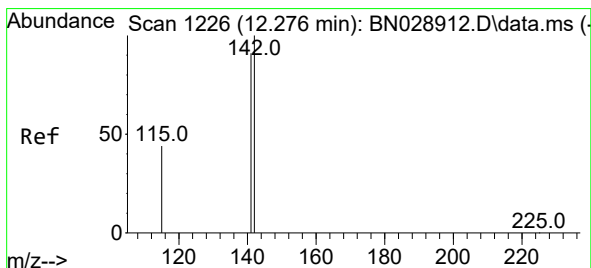
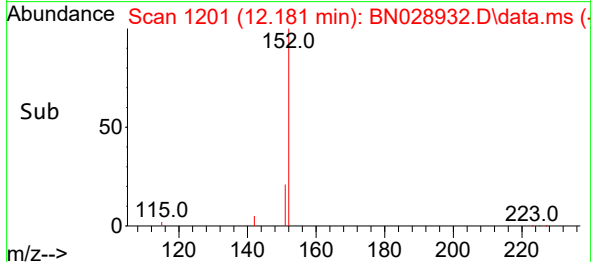
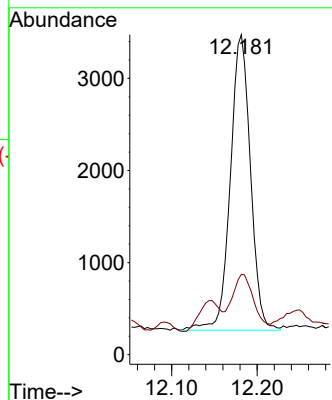
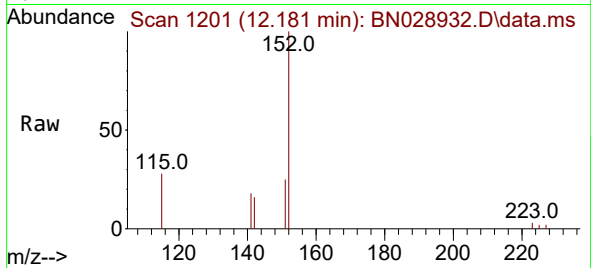




#11
2-Methylnaphthalene-d10
Concen: 0.235 ng
RT: 12.181 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

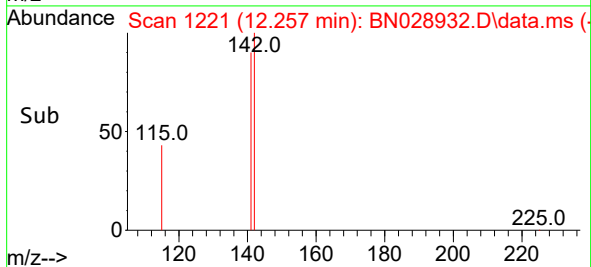
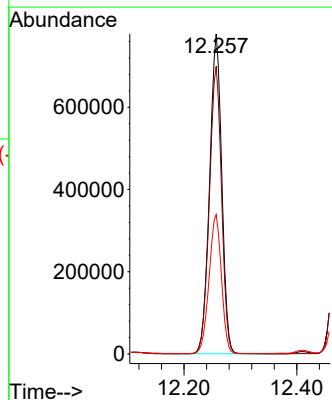
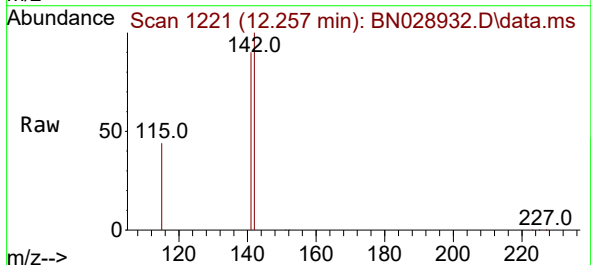
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P-4(170FT)(5-10)

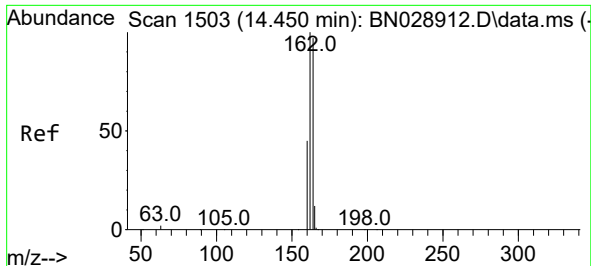
Tgt Ion:152 Resp: 5253
Ion Ratio Lower Upper
152 100
151 21.2 16.7 25.1



#12
2-Methylnaphthalene
Concen: 41.737 ng
RT: 12.257 min Scan# 1221
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion:142 Resp: 1162447
Ion Ratio Lower Upper
142 100
141 89.9 73.1 109.7
115 43.6 37.6 56.4

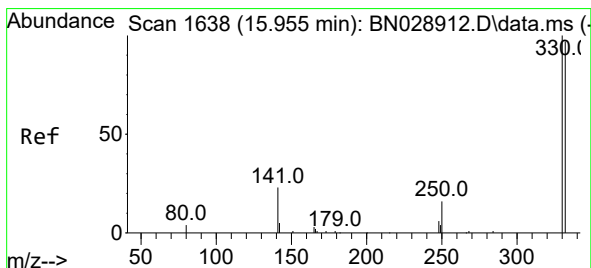
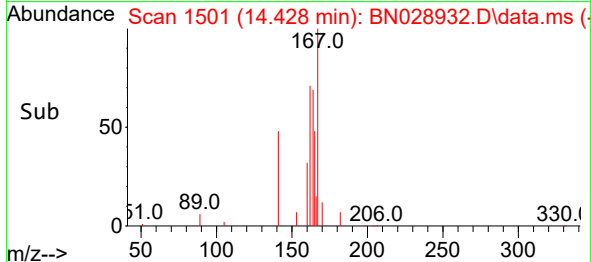
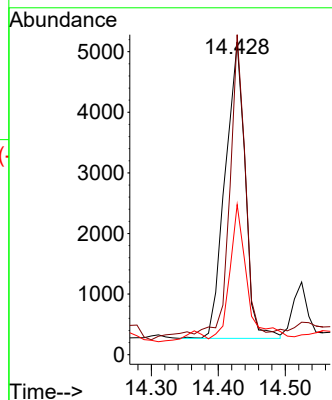
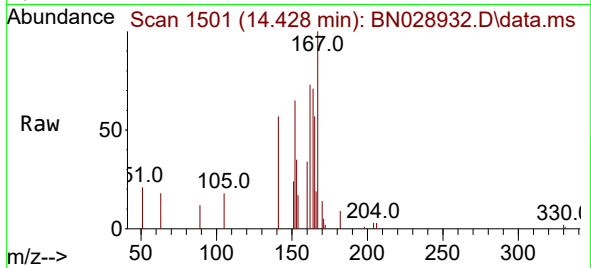




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

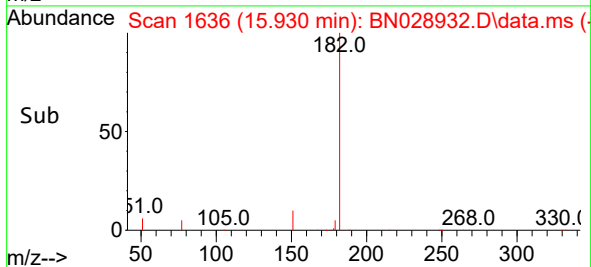
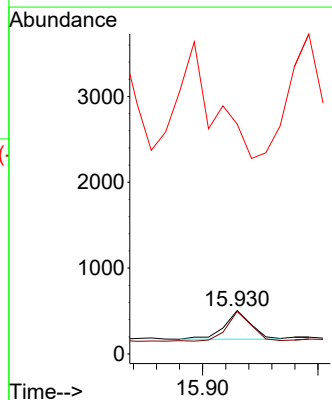
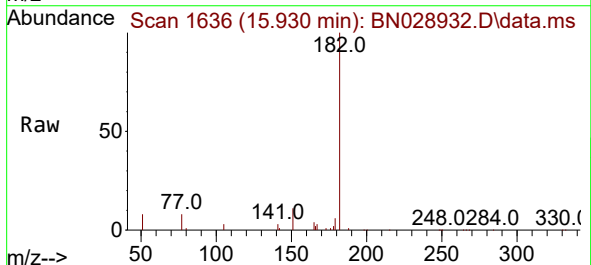
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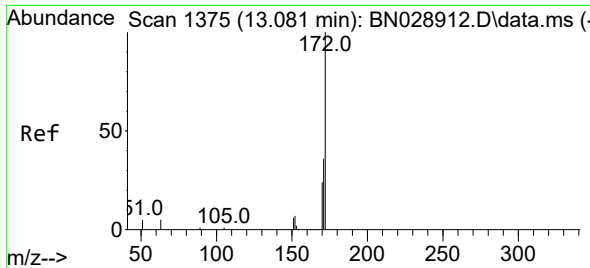
Tgt Ion:164 Resp: 10136
Ion Ratio Lower Upper
164 100
162 102.3 81.7 122.5
160 48.0 37.0 55.6



#14
2,4,6-Tribromophenol
Concen: 0.078 ng
RT: 15.930 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion:330 Resp: 531
Ion Ratio Lower Upper
330 100
332 96.4 75.4 113.2
141 0.0 35.7 53.5#

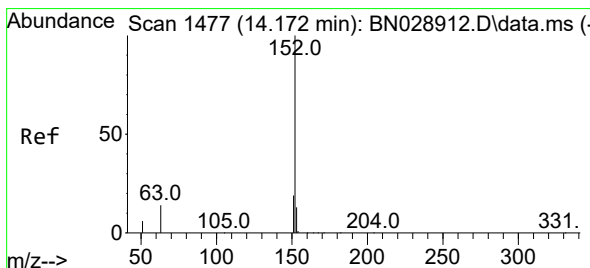
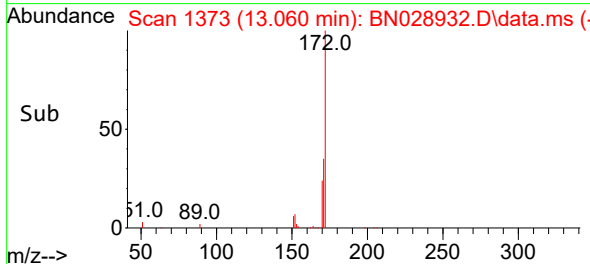
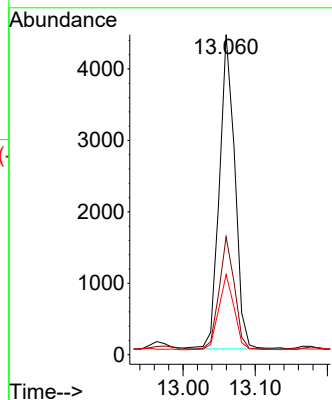
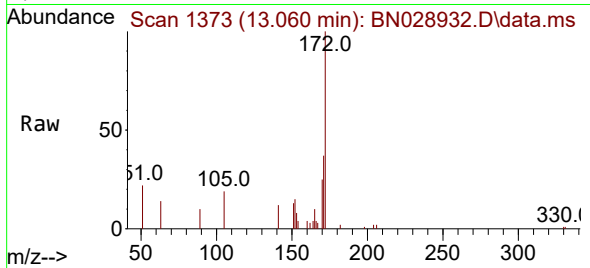




#15
2-Fluorobiphenyl
Concen: 0.149 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

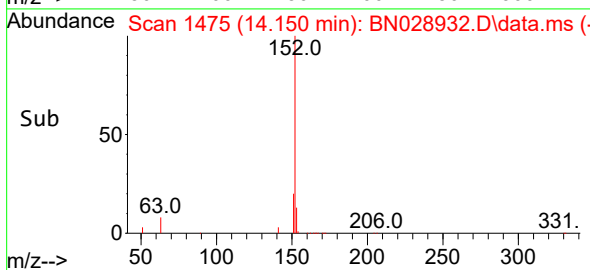
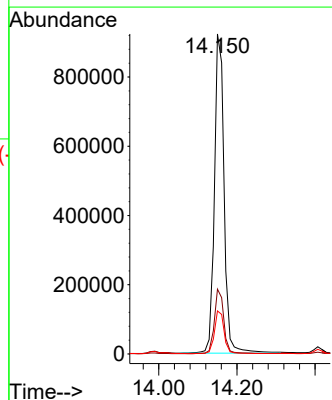
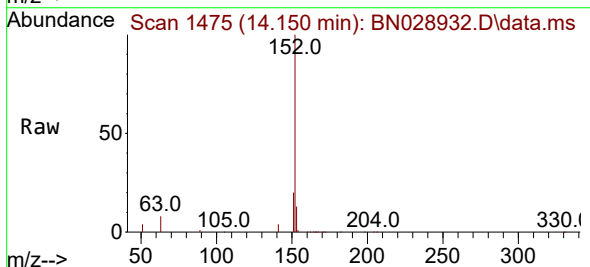
Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)

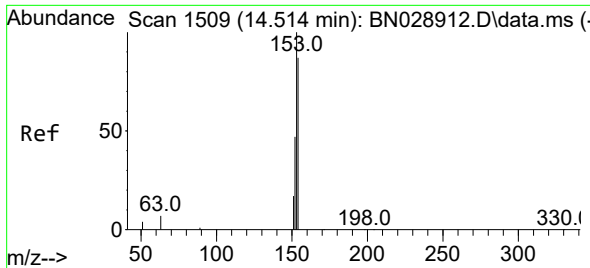
Tgt Ion:172 Resp: 6504
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 25.1 19.7 29.5



#16
Acenaphthylene
Concen: 29.643 ng
RT: 14.150 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion:152 Resp: 1591685
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.3 10.8 16.2

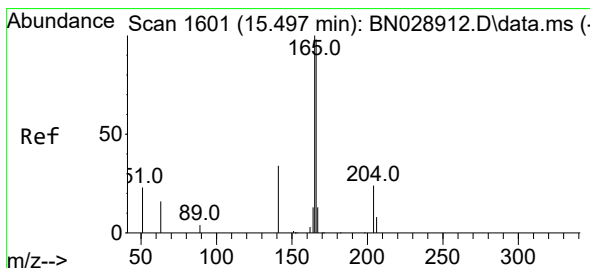
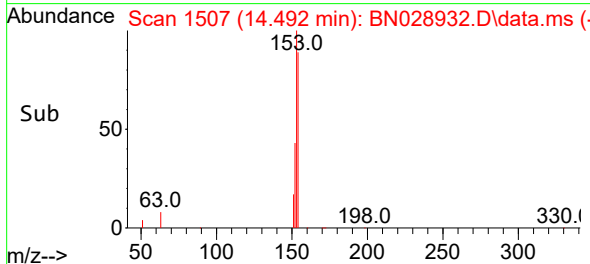
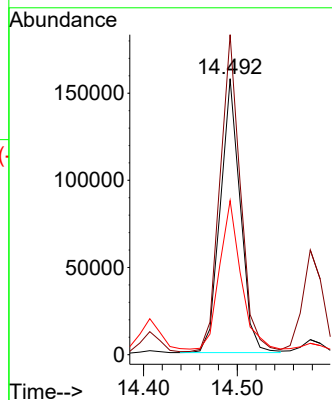
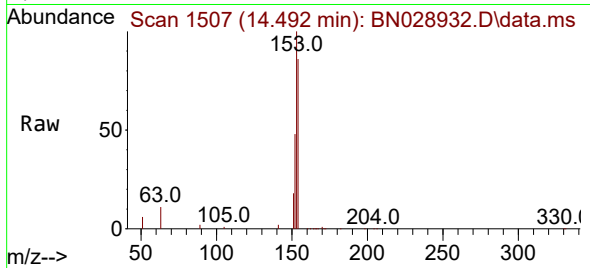




#17
Acenaphthene
Concen: 6.544 ng
RT: 14.492 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

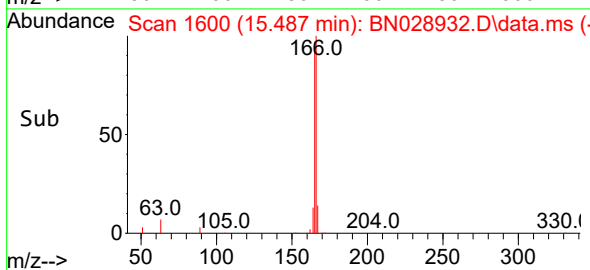
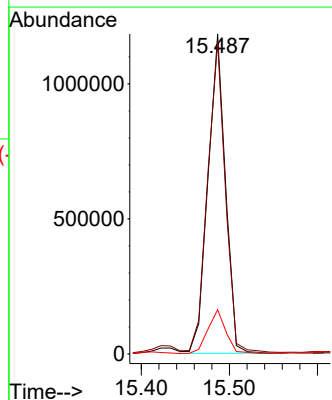
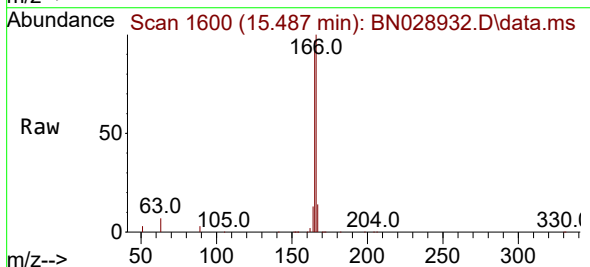
Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)

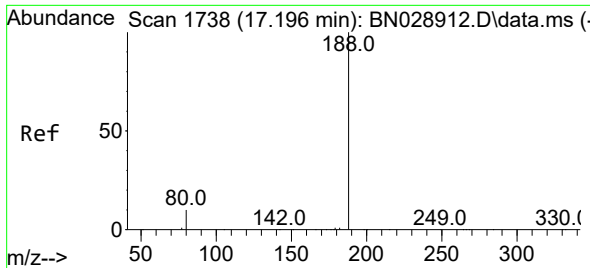
Tgt Ion:154 Resp: 233236
Ion Ratio Lower Upper
154 100
153 118.1 93.8 140.6
152 57.4 44.5 66.7



#18
Fluorene
Concen: 38.209 ng
RT: 15.487 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion:166 Resp: 1723889
Ion Ratio Lower Upper
166 100
165 99.0 79.4 119.2
167 13.9 11.0 16.4

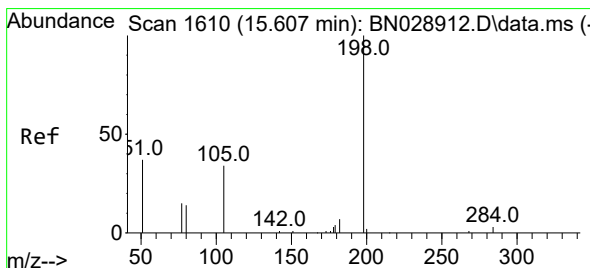
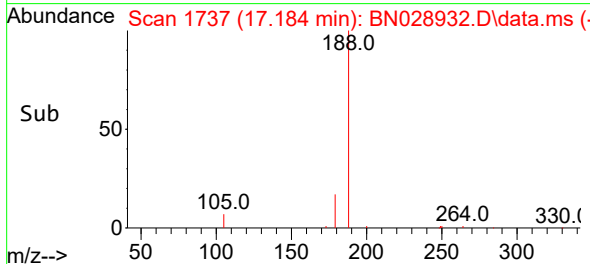
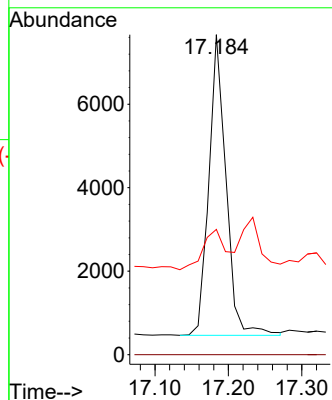
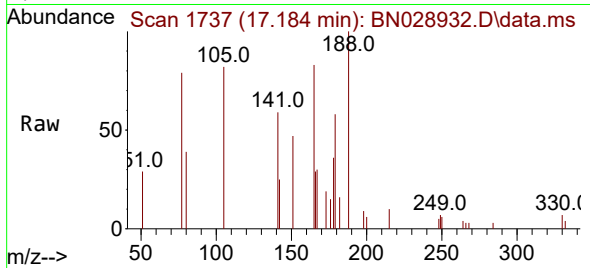




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

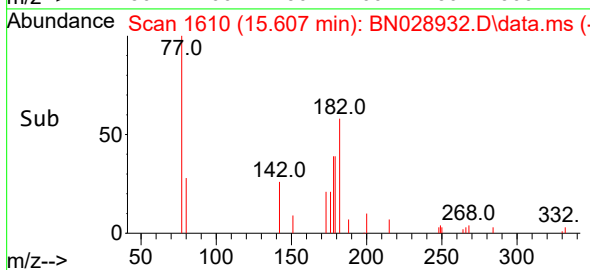
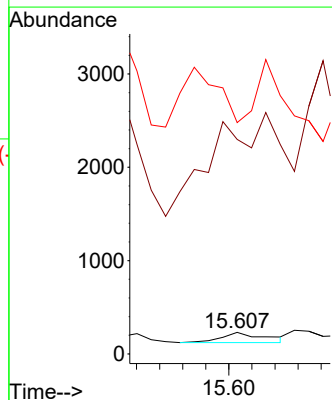
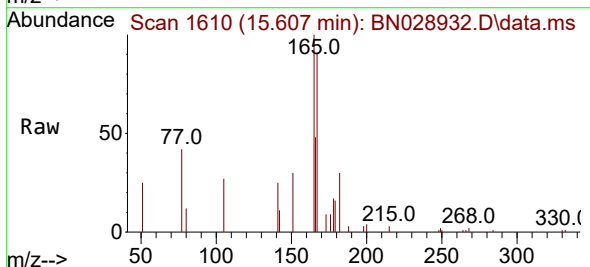
Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)

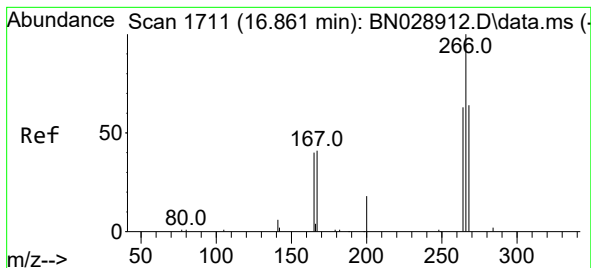
Tgt Ion:188 Resp: 11679
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 39.1 9.0 13.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.111 ng
RT: 15.607 min Scan# 1610
Delta R.T. 0.037 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion:198 Resp: 284
Ion Ratio Lower Upper
198 100
51 995.2 76.2 114.4#
105 1073.6 64.9 97.3#





#24

Pentachlorophenol

Concen: 0.057 ng

RT: 16.873 min Scan# 1712

Delta R.T. 0.037 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

Instrument :

BNA_N

ClientSampleId :

P-4(170FT)(5-10)

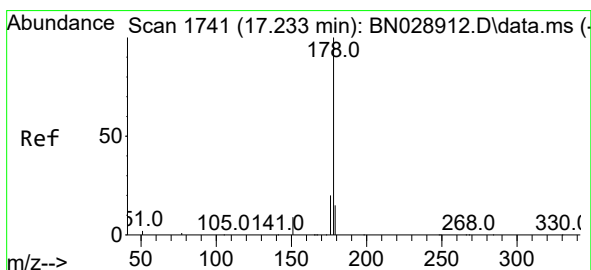
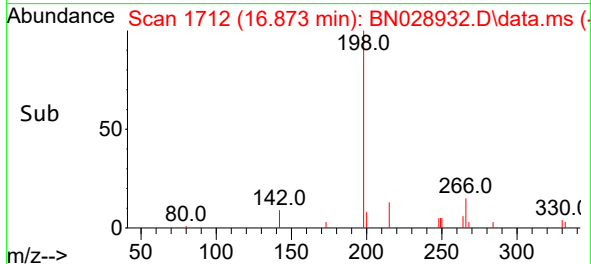
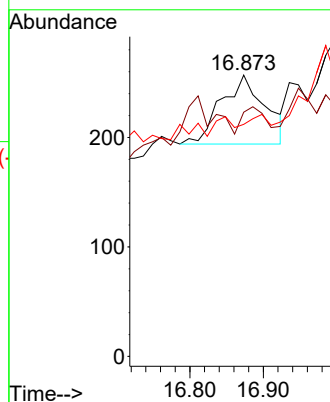
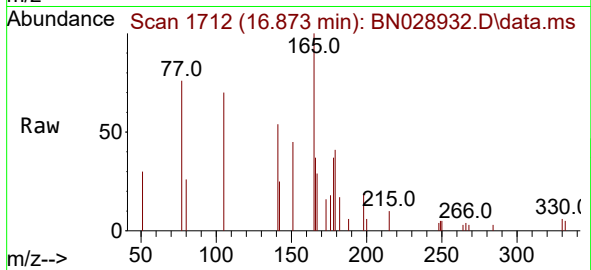
Tgt Ion:266 Resp: 260

Ion Ratio Lower Upper

266 100

264 20.0 50.7 76.1#

268 0.0 54.9 82.3#



#25

Phenanthrene

Concen: 210.608 ng

RT: 17.233 min Scan# 1741

Delta R.T. 0.012 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

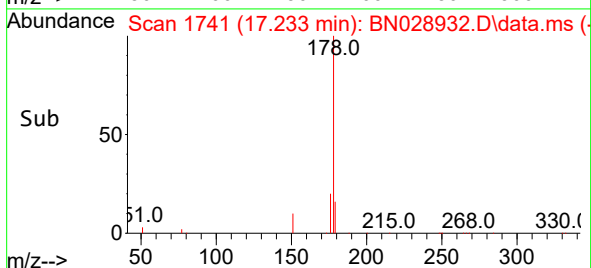
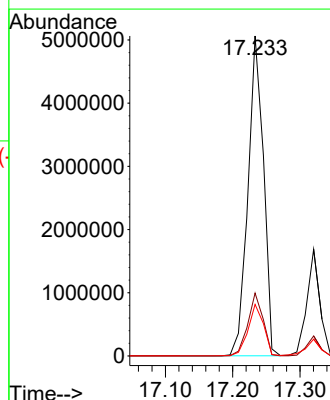
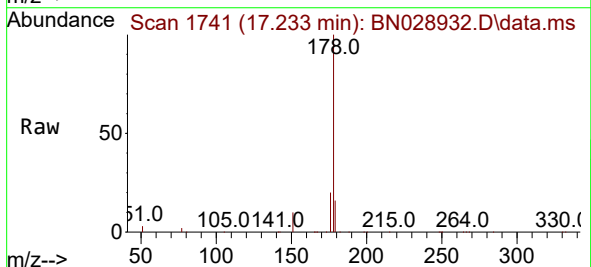
Tgt Ion:178 Resp: 8121374

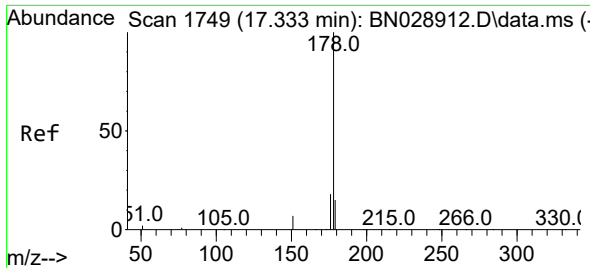
Ion Ratio Lower Upper

178 100

176 19.3 16.4 24.6

179 16.1 14.1 21.1

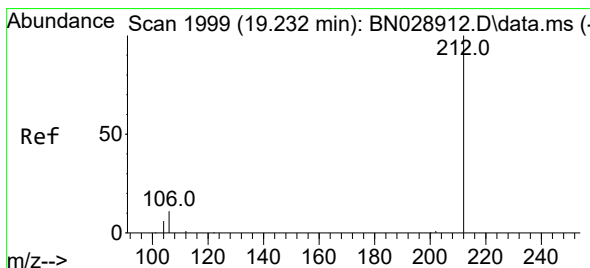
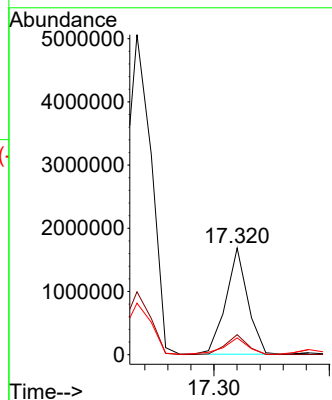
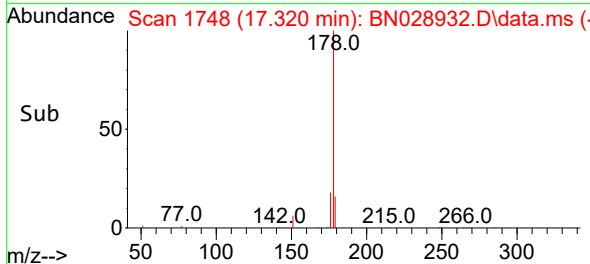
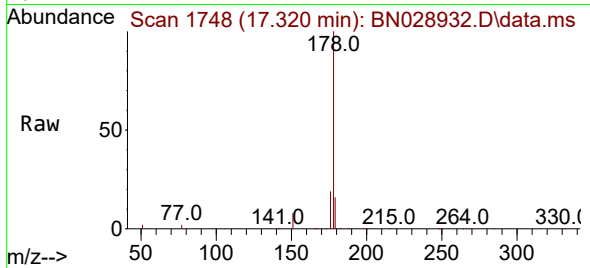




#26
 Anthracene
 Concen: 62.401 ng
 RT: 17.320 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

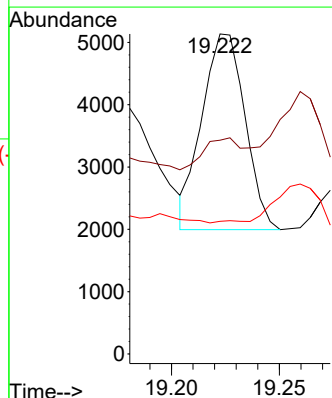
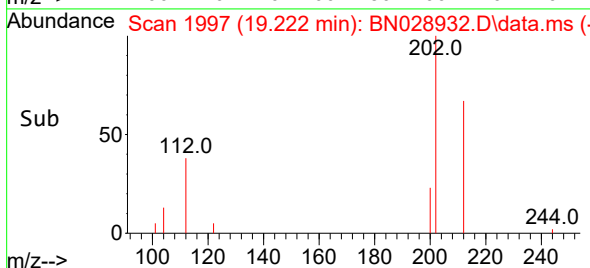
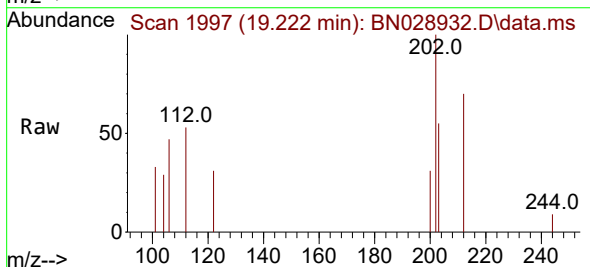
Instrument :
 BNA_N
 ClientSampleId :
 P-4(170FT)(5-10)

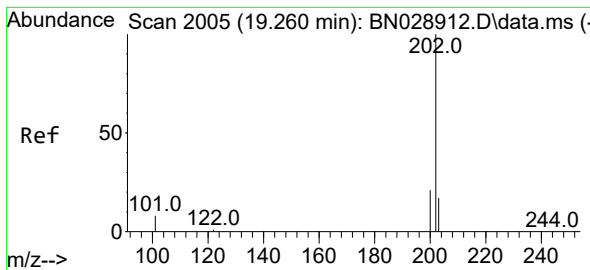
Tgt Ion:178 Resp: 2224187
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 16.7 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.142 ng
 RT: 19.222 min Scan# 1997
 Delta R.T. 0.009 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

Tgt Ion:212 Resp: 4355
 Ion Ratio Lower Upper
 212 100
 106 21.3 9.4 14.2#
 104 0.0 6.2 9.2#





#28

Fluoranthene

Concen: 13.482 ng

RT: 19.404 min Scan# 20

Delta R.T. 0.158 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

Instrument :

BNA_N

ClientSampleId :

P-4(170FT)(5-10)

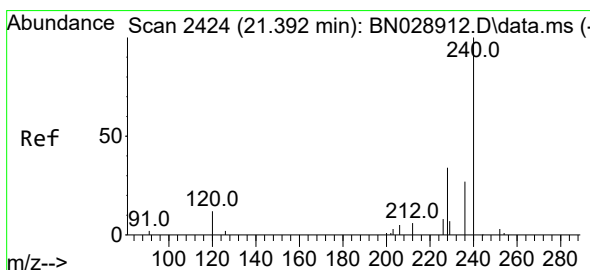
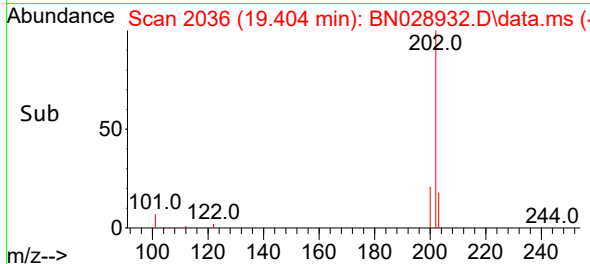
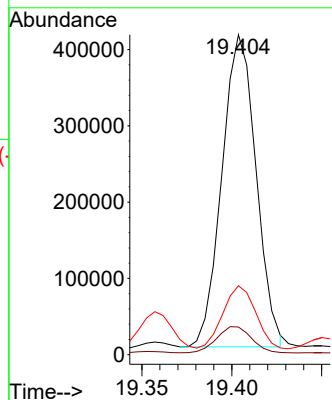
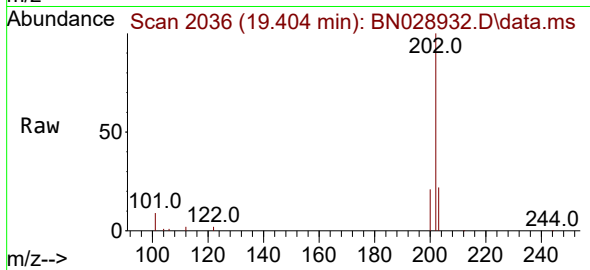
Tgt Ion:202 Resp: 540601

Ion Ratio Lower Upper

202 100

101 8.5 7.3 10.9

203 18.8 14.1 21.1



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.391 min Scan# 2424

Delta R.T. 0.018 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

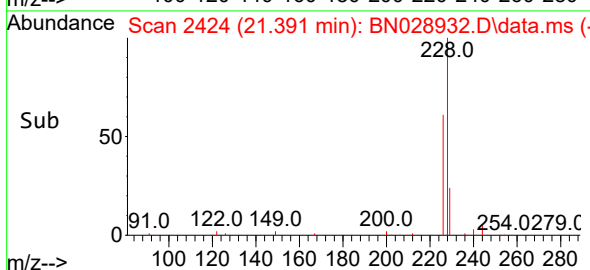
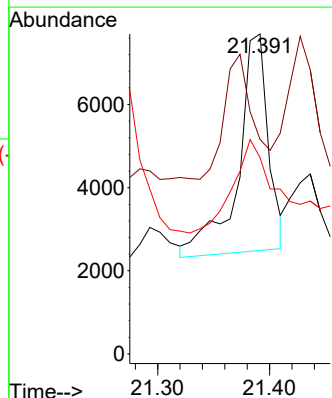
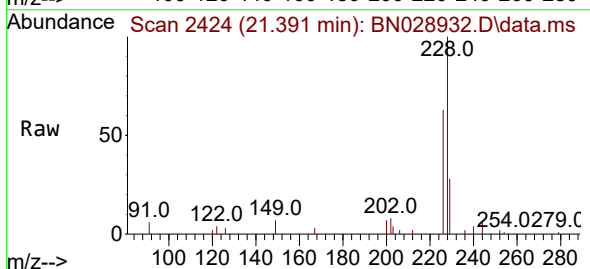
Tgt Ion:240 Resp: 9793

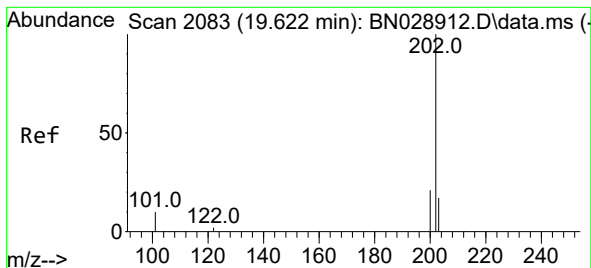
Ion Ratio Lower Upper

240 100

120 67.0 37.1 55.7#

236 61.3 32.4 48.6#





#30

Pyrene

Concen: 76.274 ng

RT: 19.627 min Scan# 2083

Delta R.T. 0.018 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

Instrument :

BNA_N

ClientSampleId :

P-4(170FT)(5-10)

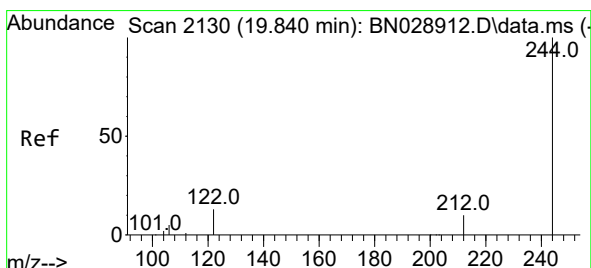
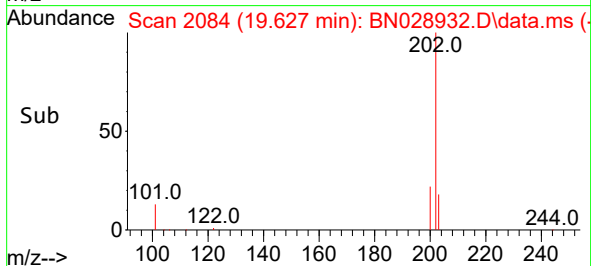
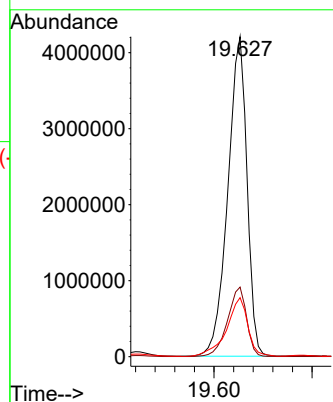
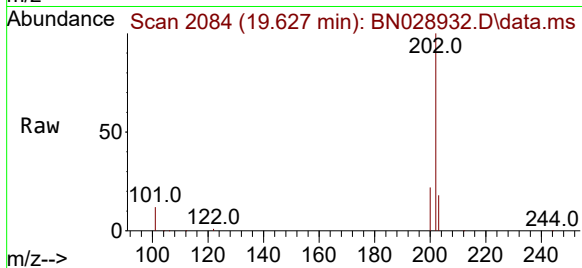
Tgt Ion:202 Resp: 5707641

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 20.2 14.8 22.2



#31

Terphenyl-d14

Concen: 0.303 ng

RT: 19.822 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

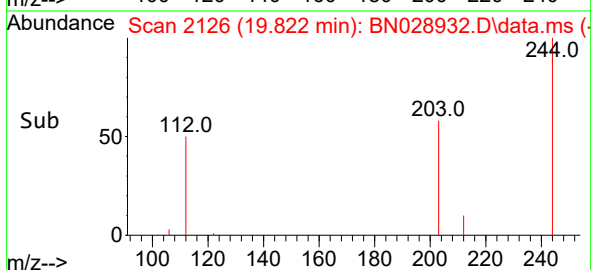
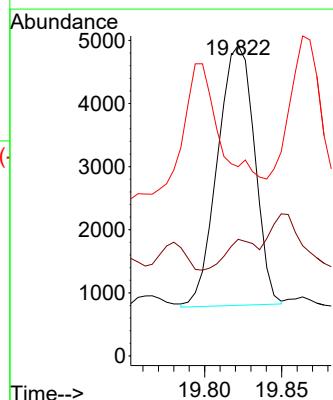
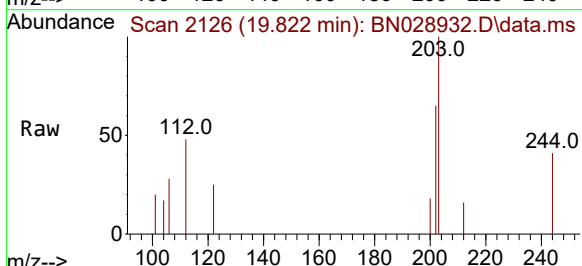
Tgt Ion:244 Resp: 6901

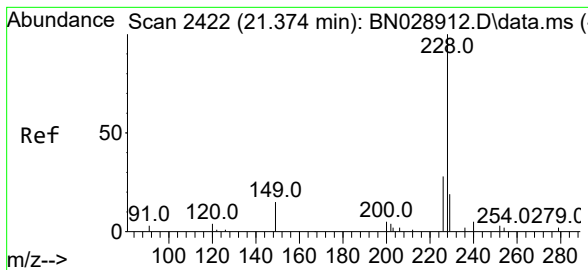
Ion Ratio Lower Upper

244 100

212 37.6 11.5 17.3#

122 61.0 13.2 19.8#



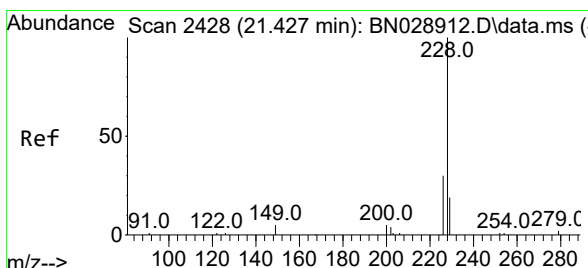
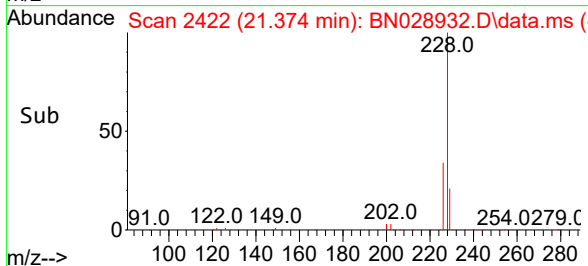
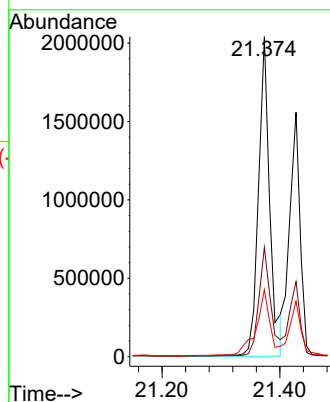
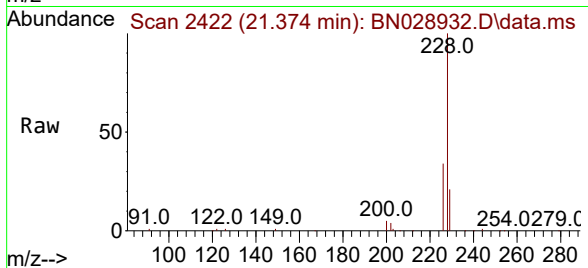


#32
 Benzo(a)anthracene
 Concen: 65.056 ng
 RT: 21.374 min Scan# 2422
 Delta R.T. 0.018 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

Instrument :
 BNA_N
 ClientSampleId :
 P-4(170FT)(5-10)

Tgt Ion:228 Resp: 2708788

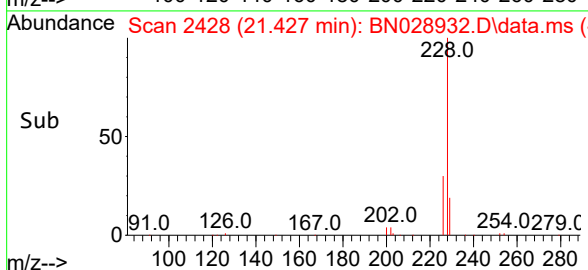
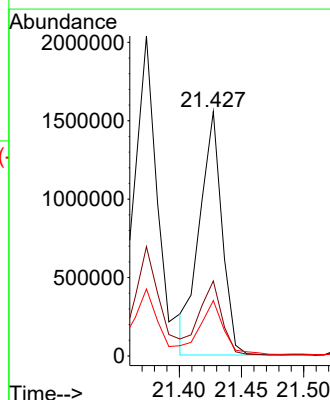
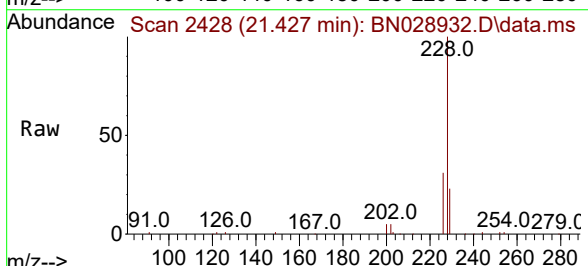
Ion	Ratio	Lower	Upper
228	100		
226	34.1	26.5	39.7
229	21.0	16.4	24.6

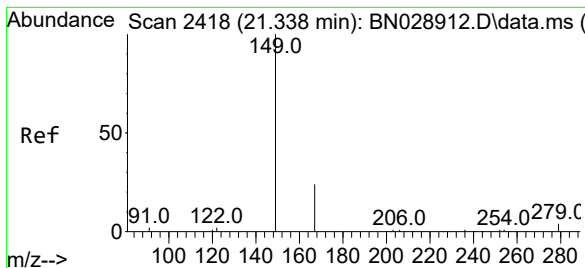


#33
 Chrysene
 Concen: 47.516 ng
 RT: 21.427 min Scan# 2428
 Delta R.T. 0.018 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

Tgt Ion:228 Resp: 1942540

Ion	Ratio	Lower	Upper
228	100		
226	30.7	28.3	42.5
229	22.7	16.4	24.6

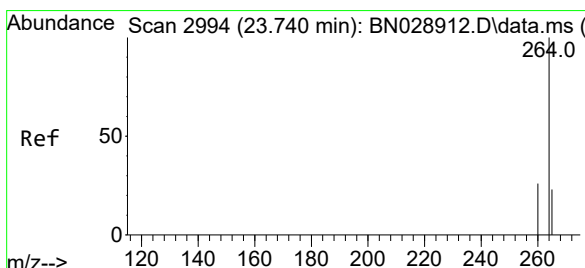
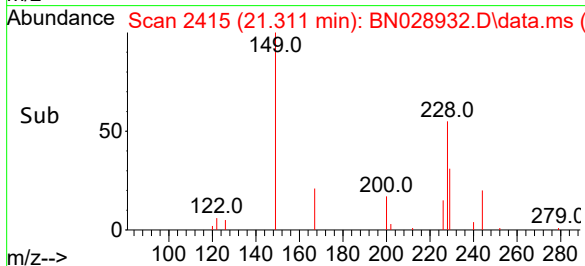
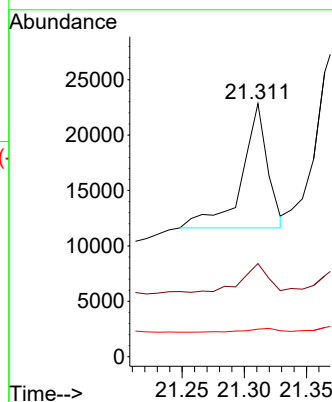
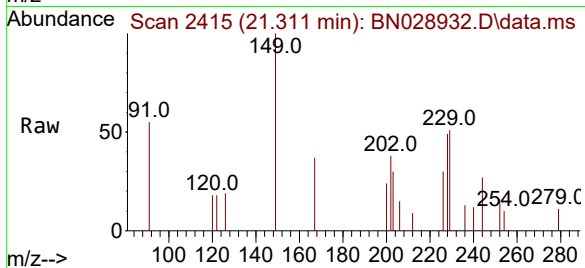




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.169 ng
 RT: 21.311 min Scan# 2415
 Delta R.T. -0.000 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

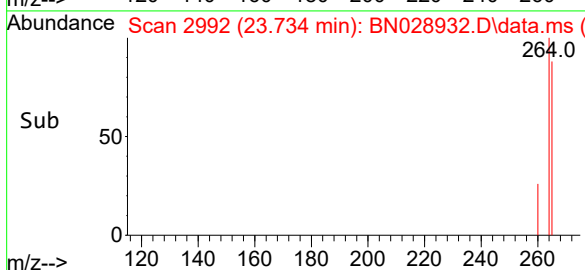
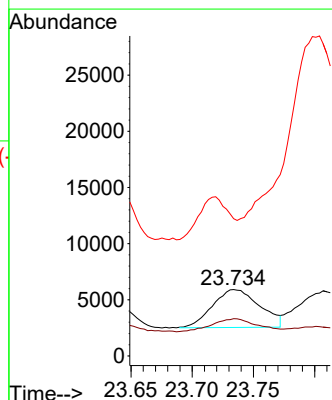
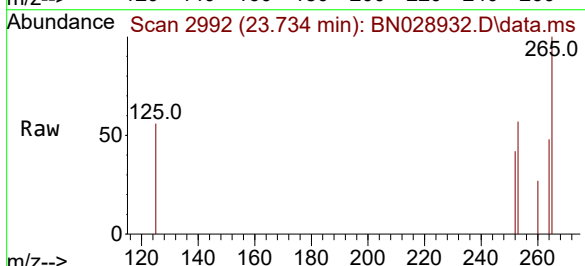
Instrument :
 BNA_N
 ClientSampleId :
 P-4(170FT)(5-10)

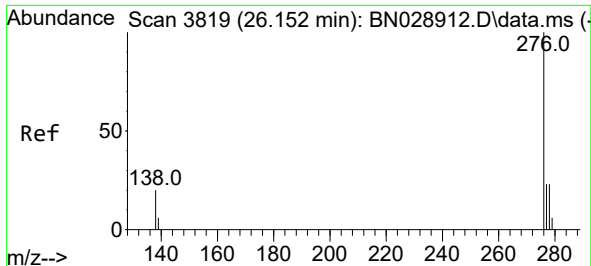
Tgt Ion:149 Resp: 16137
 Ion Ratio Lower Upper
 149 100
 167 25.0 14.9 22.3#
 279 3.7 6.3 9.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.734 min Scan# 2992
 Delta R.T. 0.020 min
 Lab File: BN028932.D
 Acq: 01 Dec 2023 04:45

Tgt Ion:264 Resp: 9120
 Ion Ratio Lower Upper
 264 100
 260 56.1 20.6 30.8#
 265 206.7 464.5 696.7#

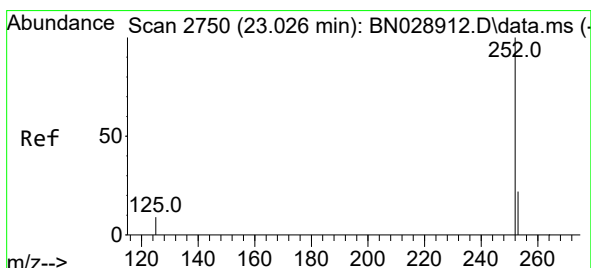
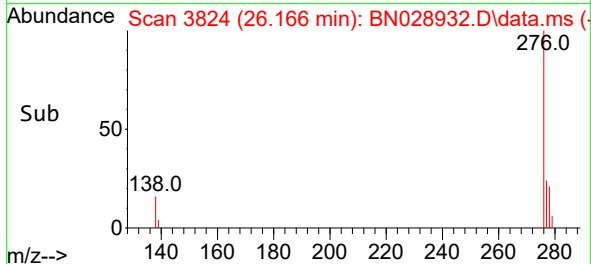
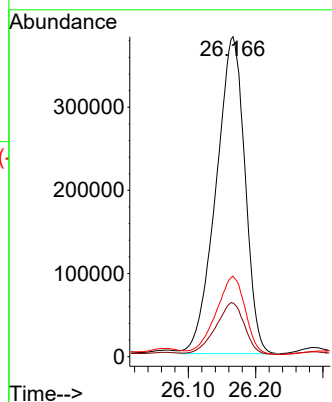
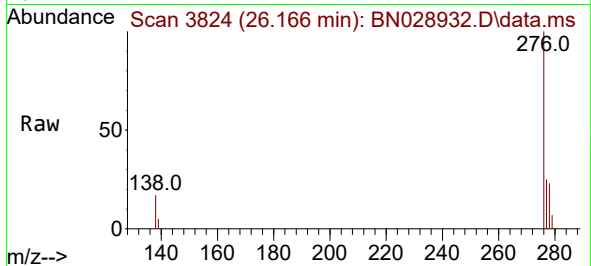




#36
Indeno(1,2,3-cd)pyrene
Concen: 28.631 ng
RT: 26.166 min Scan# 3824
Delta R.T. 0.055 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

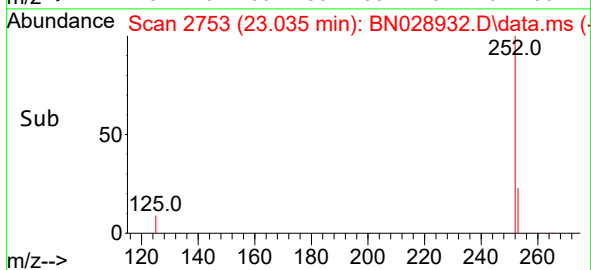
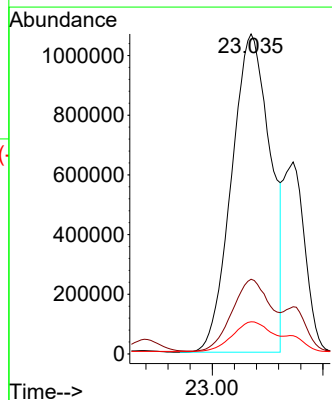
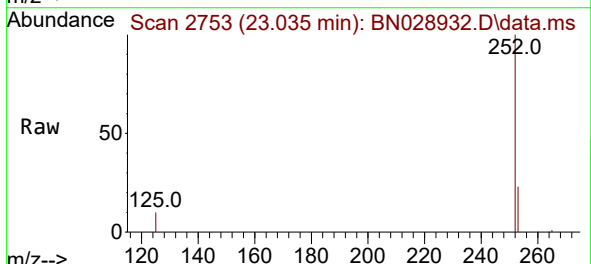
Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)

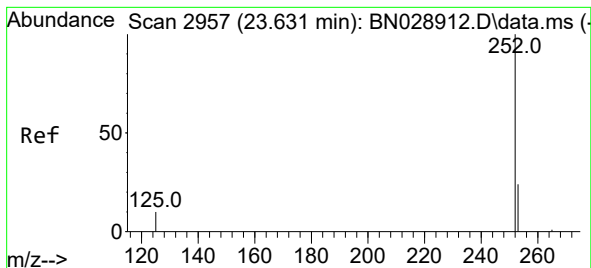
Tgt Ion:276 Resp: 1137817
Ion Ratio Lower Upper
276 100
138 16.2 20.9 31.3#
277 25.0 20.2 30.4



#37
Benzo(b)fluoranthene
Concen: 69.686 ng
RT: 23.035 min Scan# 2753
Delta R.T. 0.032 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Tgt Ion:252 Resp: 2600044
Ion Ratio Lower Upper
252 100
253 23.4 94.5 141.7#
125 10.0 23.8 35.8#





#39

Benzo(a)pyrene

Concen: 56.924 ng

RT: 23.640 min Scan# 2957

Delta R.T. 0.035 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

Instrument :

BNA_N

ClientSampleId :

P-4(170FT)(5-10)

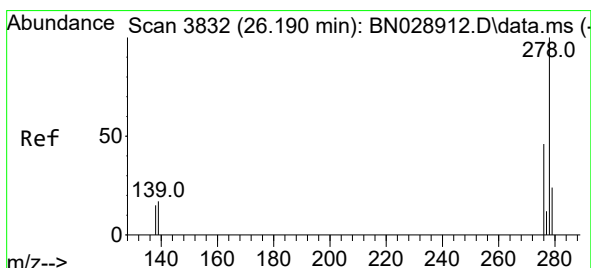
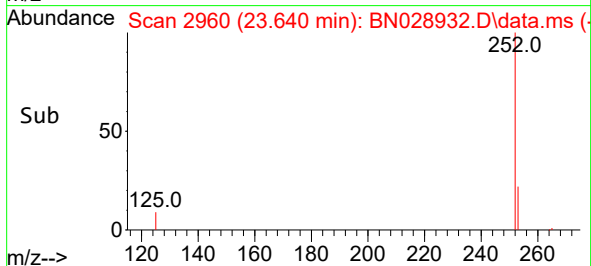
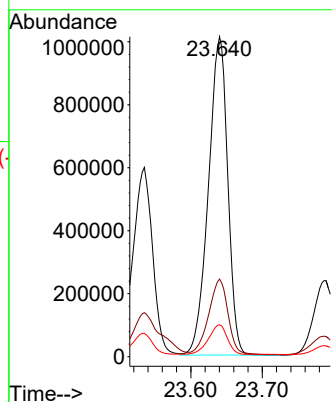
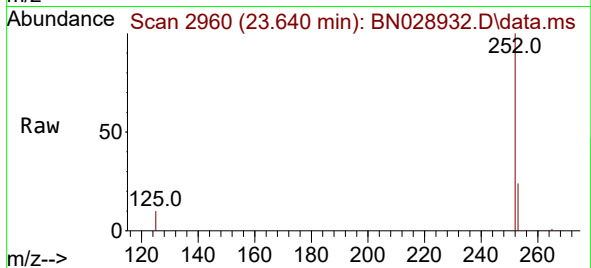
Tgt Ion:252 Resp: 1896965

Ion Ratio Lower Upper

252 100

253 24.3 110.2 165.4#

125 10.0 27.0 40.4#



#40

Dibenzo(a,h)anthracene

Concen: 9.286 ng

RT: 26.172 min Scan# 3826

Delta R.T. 0.032 min

Lab File: BN028932.D

Acq: 01 Dec 2023 04:45

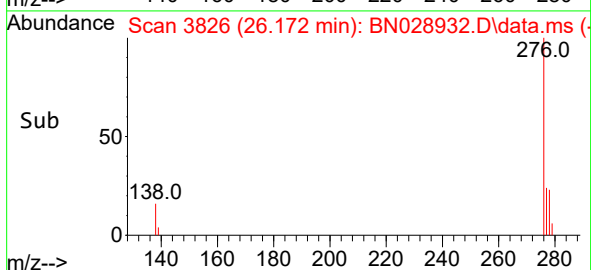
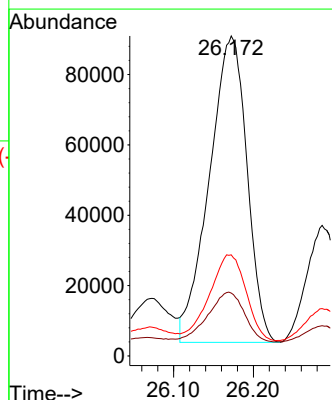
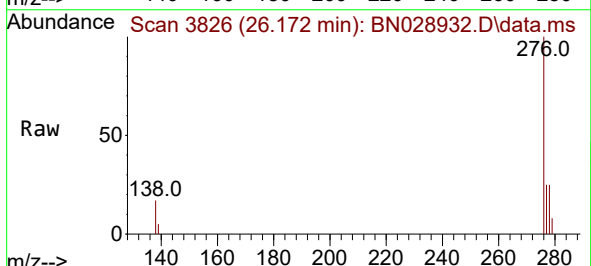
Tgt Ion:278 Resp: 285582

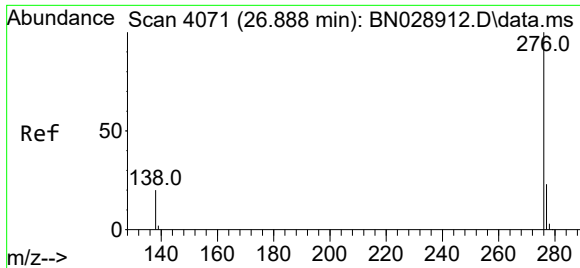
Ion Ratio Lower Upper

278 100

139 19.7 22.6 33.8#

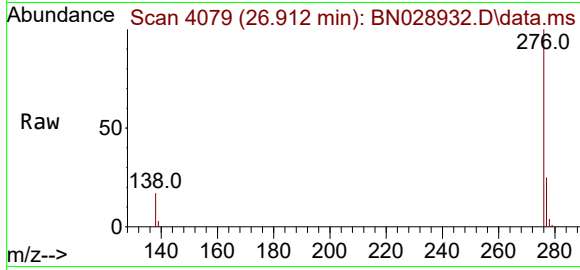
279 31.6 102.6 153.8#





#41
Benzo(g,h,i)perylene
Concen: 29.148 ng
RT: 26.912 min Scan# 4079
Delta R.T. 0.070 min
Lab File: BN028932.D
Acq: 01 Dec 2023 04:45

Instrument :
BNA_N
ClientSampleId :
P-4(170FT)(5-10)



Tgt Ion:276 Resp: 1008320
Ion Ratio Lower Upper
276 100
277 24.6 28.9 43.3#
138 16.6 36.2 54.2#

