

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122023\
 Data File : BN029142.D
 Acq On : 20 Dec 2023 19:36
 Operator : MA/JU
 Sample : 05611-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-5DL

Quant Time: Dec 21 01:10:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 18:03:30 2023
 Response via : Initial Calibration

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

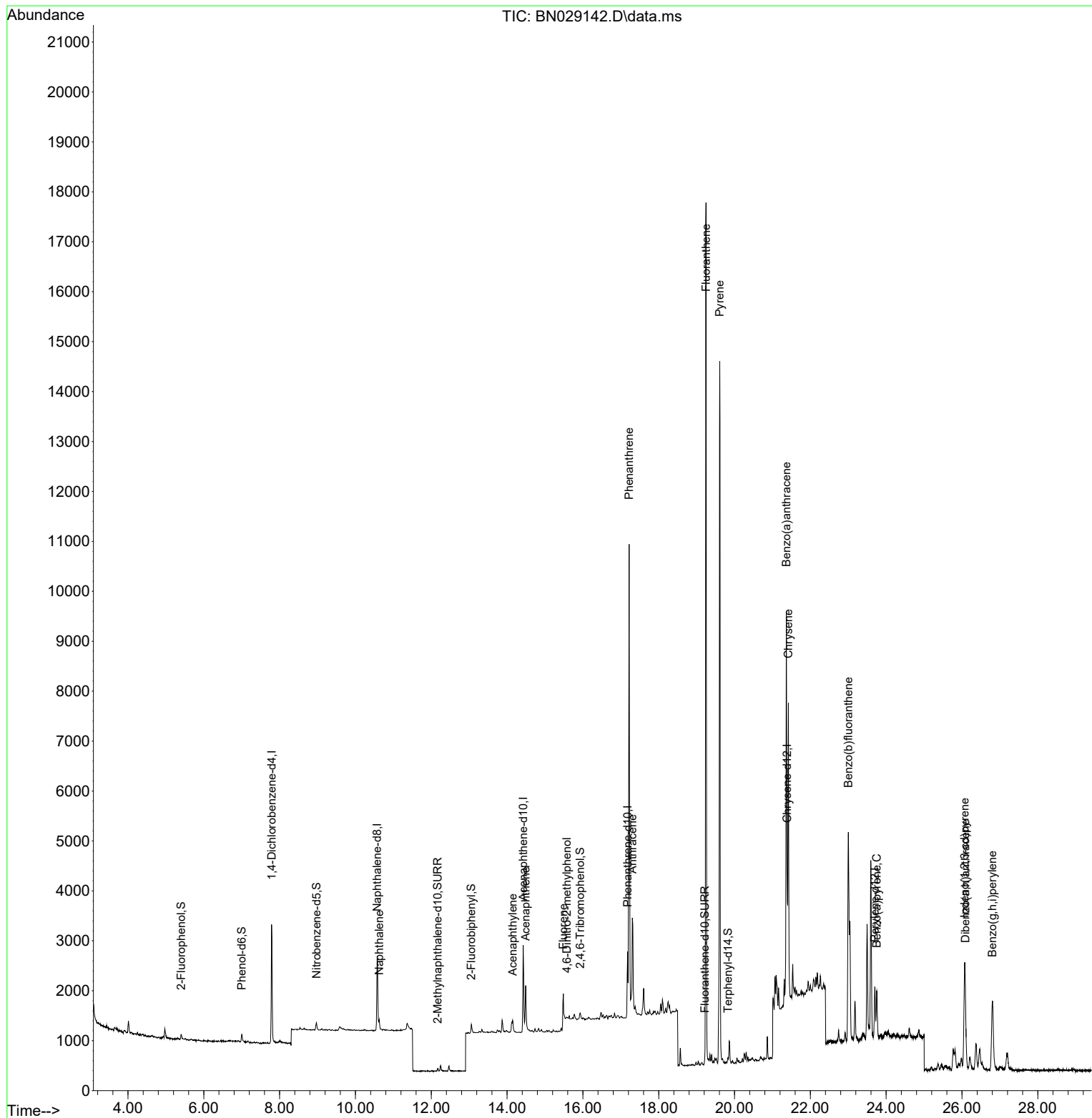
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	1211	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	2263	0.400	ng	-0.01
13) Acenaphthene-d10	14.425	164	1144	0.400	ng	0.00
19) Phenanthrene-d10	17.181	188	1927	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	1093	0.400	ng	# 0.00
35) Perylene-d12	23.700	264	1386	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	83	0.029	ng	0.00
5) Phenol-d6	7.002	99	178	0.056	ng	0.00
8) Nitrobenzene-d5	8.971	82	184	0.062	ng	0.01
11) 2-Methylnaphthalene-d10	12.170	152	105	0.031	ng	0.00
14) 2,4,6-Tribromophenol	15.927	330	26	0.026	ng	0.00
15) 2-Fluorobiphenyl	13.057	172	184	0.028	ng	0.00
27) Fluoranthene-d10	19.215	212	138	0.030	ng	0.00
31) Terphenyl-d14	19.828	244	109	0.036	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.626	128	238	0.032	ng	# 52
16) Acenaphthylene	14.147	152	294	0.036	ng	# 94
17) Acenaphthene	14.489	154	504	0.104	ng	95
18) Fluorene	15.484	166	608	0.093	ng	90
20) 4,6-Dinitro-2-methylph...	15.579	198	2	0.065	ng	# 41
25) Phenanthrene	17.218	178	9639	1.212	ng	97
26) Anthracene	17.305	178	2680	0.349	ng	98
28) Fluoranthene	19.247	202	16273	1.980	ng	99
30) Pyrene	19.610	202	13482	1.566	ng	97
32) Benzo(a)anthracene	21.366	228	6328	1.053	ng	94
33) Chrysene	21.420	228	4822	0.811	ng	96
36) Indeno(1,2,3-cd)pyrene	26.072	276	3802	0.426	ng	# 68
37) Benzo(b)fluoranthene	23.002	252	7247	1.028	ng	# 77
39) Benzo(a)pyrene	23.753	252	1284	0.204	ng	97
40) Dibenzo(a,h)anthracene	26.089	278	958	0.140	ng	# 83
41) Benzo(g,h,i)perylene	26.802	276	3139	0.415	ng	92

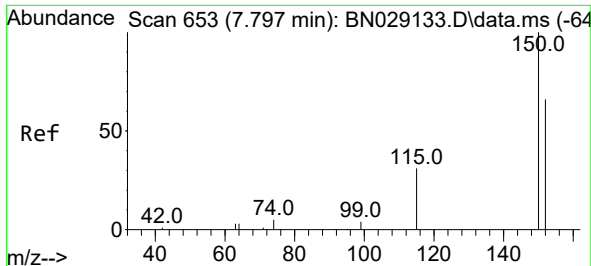
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
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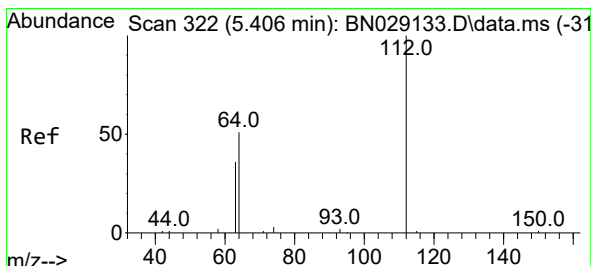
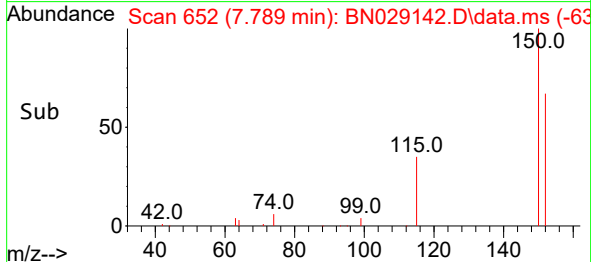
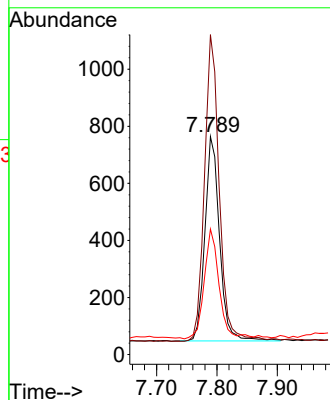
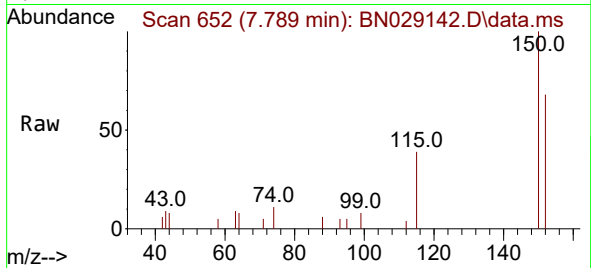




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

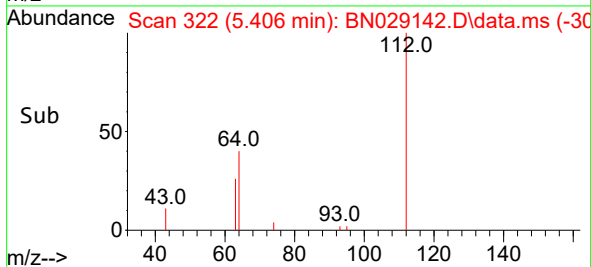
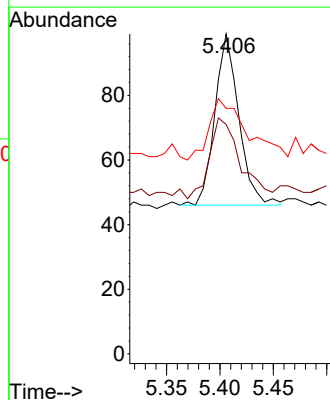
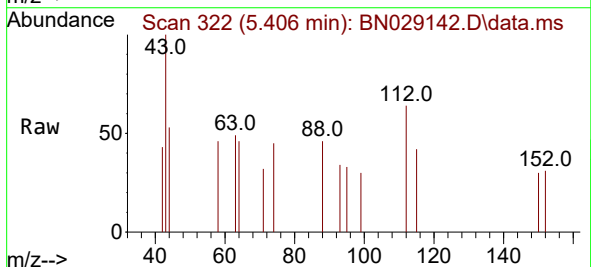
Instrument :
BNA_N
ClientSampleId :
PE-5DL

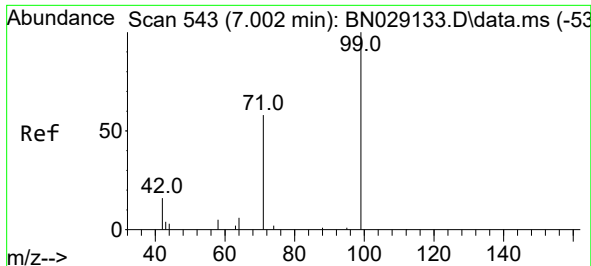
Tgt Ion:152 Resp: 1211
Ion Ratio Lower Upper
152 100
150 146.7 117.6 176.4
115 57.6 44.2 66.2



#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.406 min Scan# 322
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion:112 Resp: 83
Ion Ratio Lower Upper
112 100
64 60.2 38.6 58.0#
63 56.6 30.0 45.0#

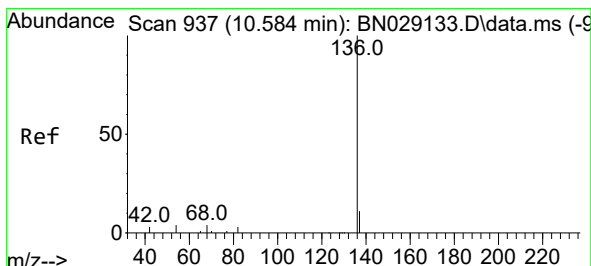
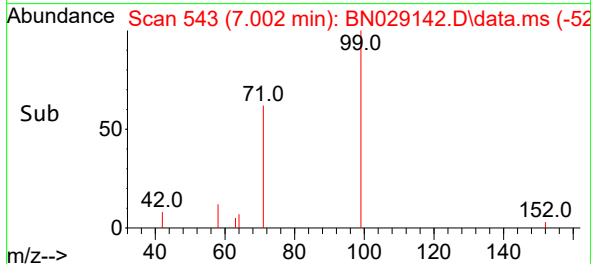
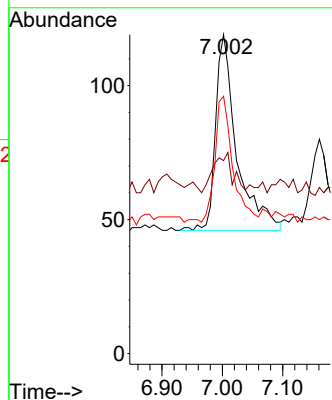
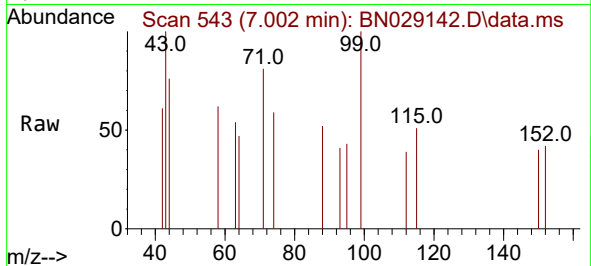




#5
Phenol-d6
Concen: 0.056 ng
RT: 7.002 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

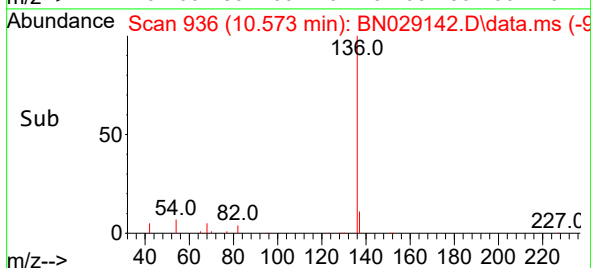
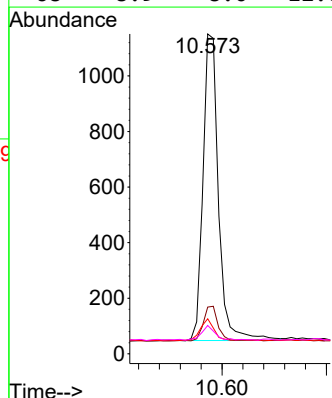
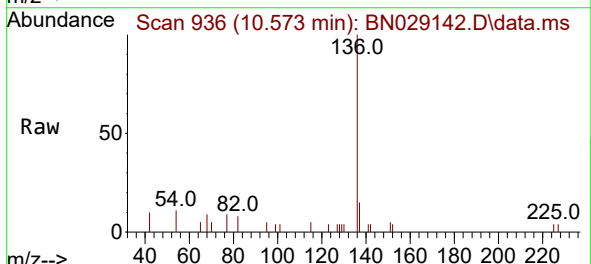
Instrument :
BNA_N
ClientSampleId :
PE-5DL

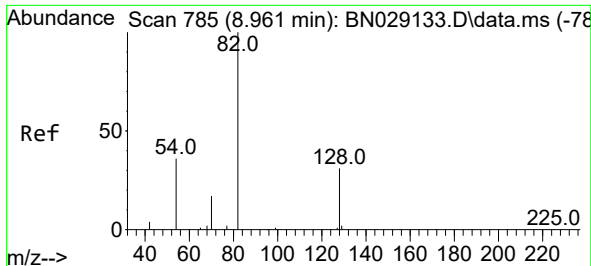
Tgt Ion: 99 Resp: 178
Ion Ratio Lower Upper
99 100
42 18.5 13.8 20.6
71 50.6 45.4 68.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 136 Resp: 2263
Ion Ratio Lower Upper
136 100
137 14.6 13.4 20.0
54 10.9 8.6 13.0
68 8.9 8.0 12.0

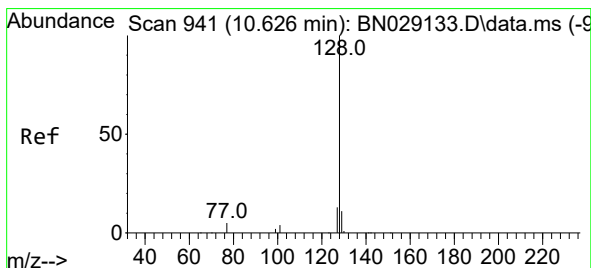
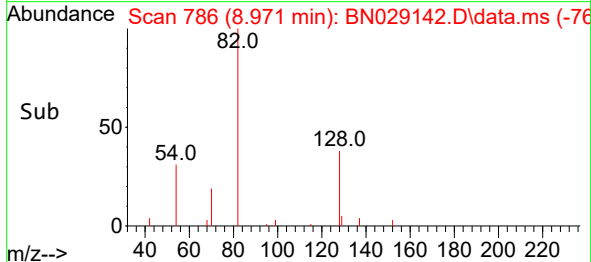
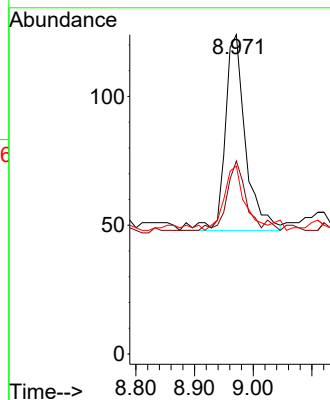
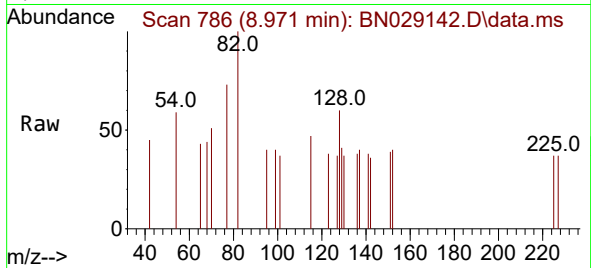




#8
Nitrobenzene-d5
Concen: 0.062 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.010 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

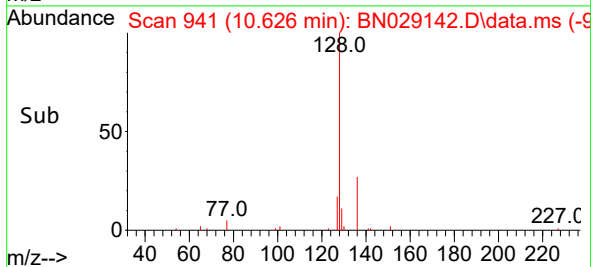
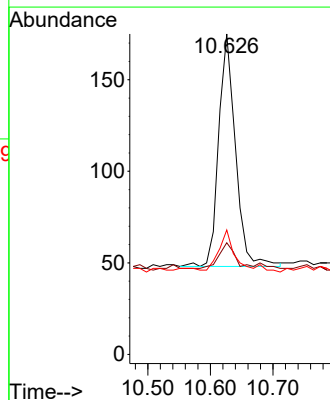
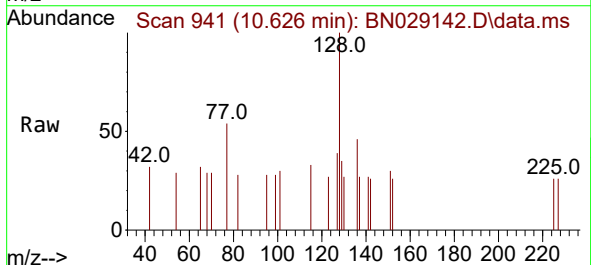
Instrument :
BNA_N
ClientSampleId :
PE-5DL

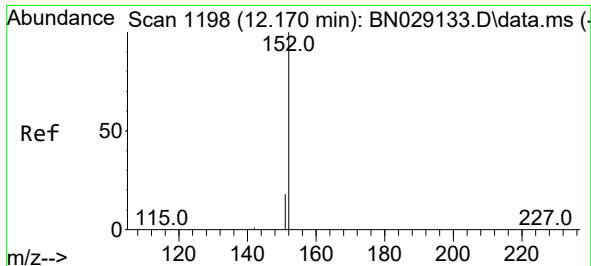
Tgt Ion: 82	Resp: 184
Ion Ratio	Lower Upper
82	100
128	60.5 33.0 49.4#
54	58.9 35.8 53.8#



#9
Naphthalene
Concen: 0.032 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 128	Resp: 238
Ion Ratio	Lower Upper
128	100
129	34.9 12.0 18.0#
127	38.9 14.1 21.1#





#11

2-Methylnaphthalene-d10

Concen: 0.031 ng

RT: 12.170 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

ClientSampleId :

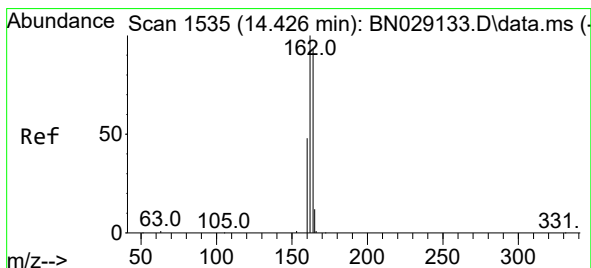
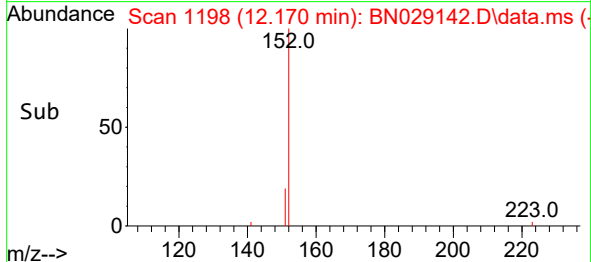
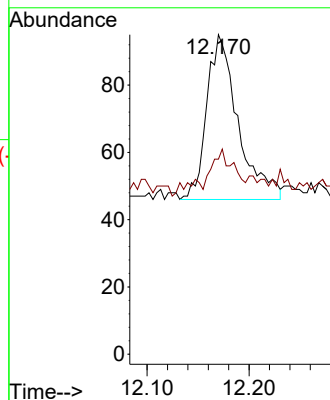
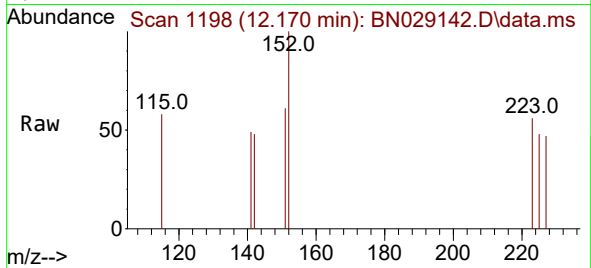
PE-5DL

Tgt Ion:152 Resp: 105

Ion Ratio Lower Upper

152 100

151 15.2 17.4 26.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.425 min Scan# 1535

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

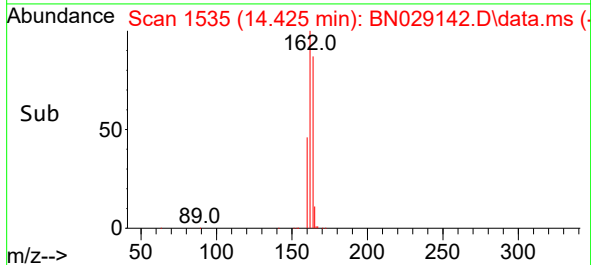
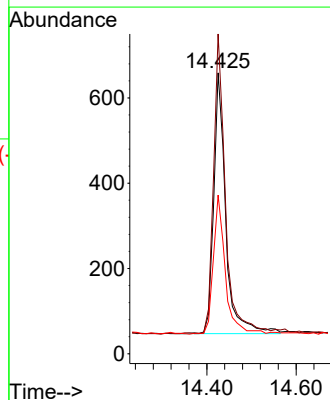
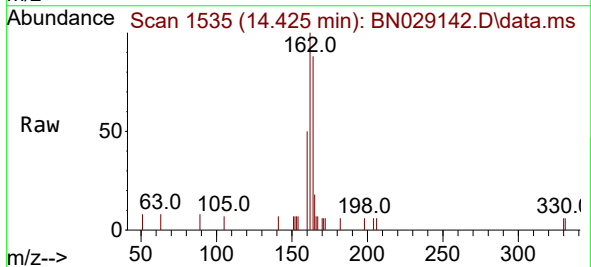
Tgt Ion:164 Resp: 1144

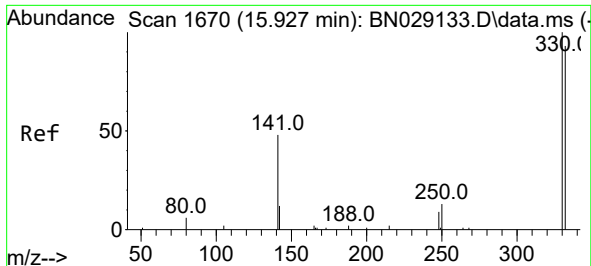
Ion Ratio Lower Upper

164 100

162 113.8 85.0 127.4

160 56.4 45.8 68.8

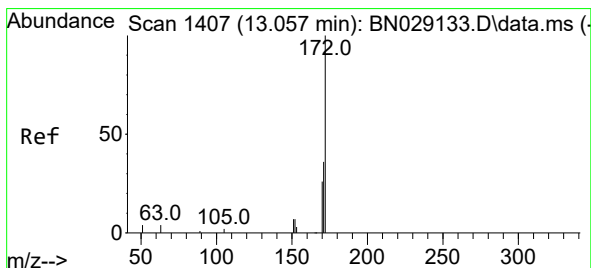
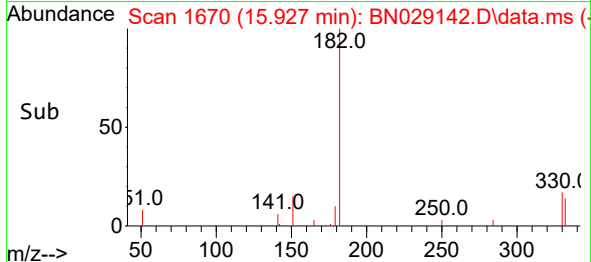
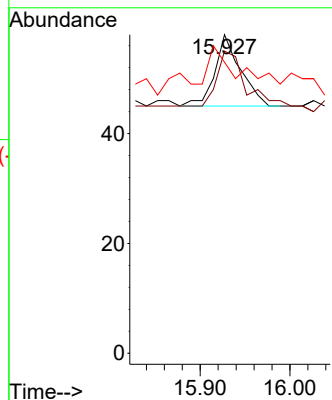
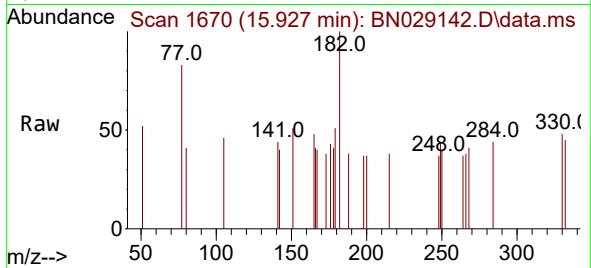




#14
2,4,6-Tribromophenol
Concen: 0.026 ng
RT: 15.927 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

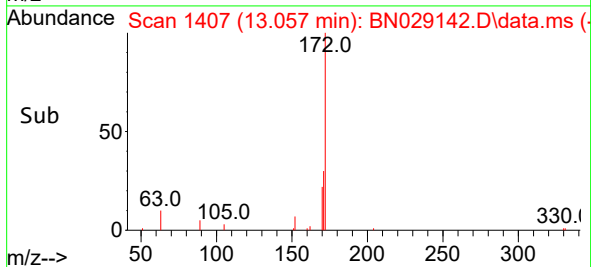
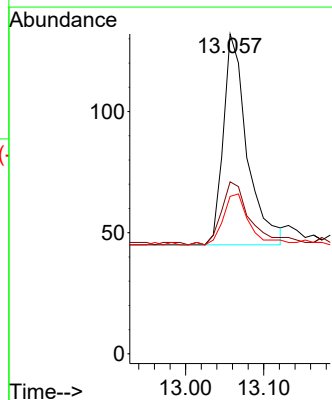
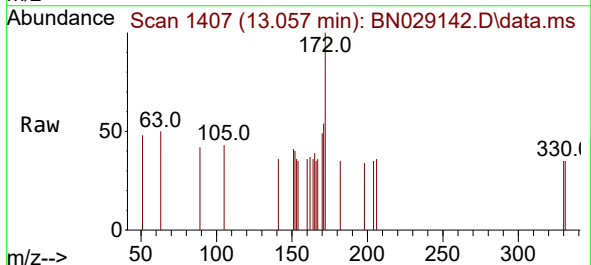
Instrument :
BNA_N
ClientSampleId :
PE-5DL

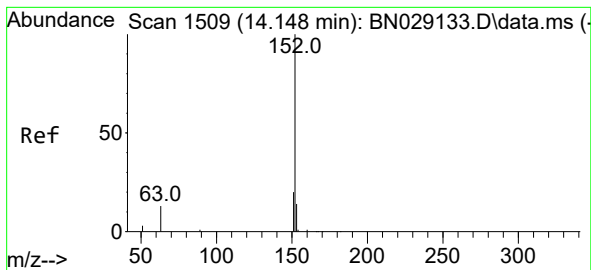
Tgt Ion:330 Resp: 26
Ion Ratio Lower Upper
330 100
332 111.5 83.4 125.0
141 123.1 43.8 65.8#



#15
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 13.057 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion:172 Resp: 184
Ion Ratio Lower Upper
172 100
171 53.8 32.2 48.4#
170 49.2 25.0 37.4#





#16

Acenaphthylene

Concen: 0.036 ng

RT: 14.147 min Scan# 1509

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

ClientSampleId :

PE-5DL

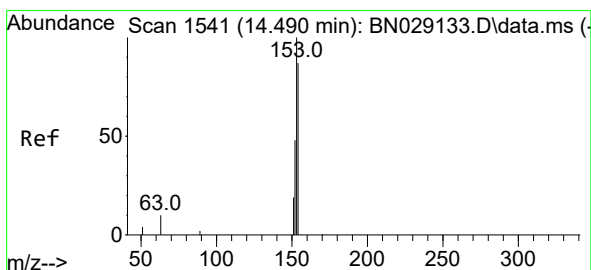
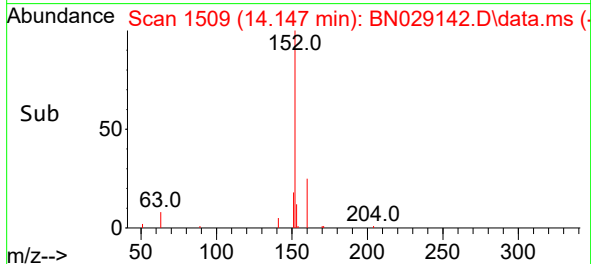
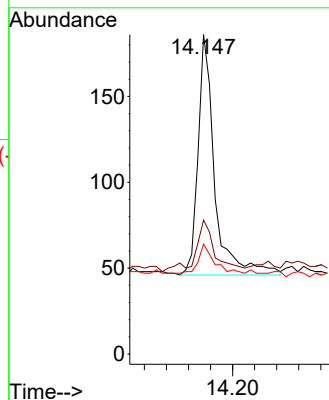
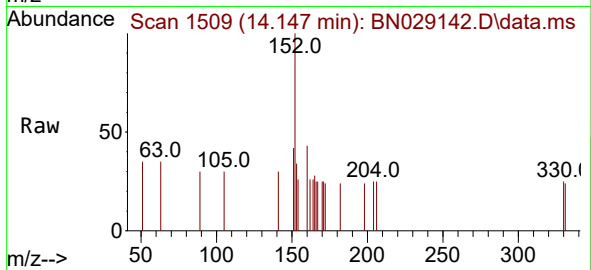
Tgt Ion:152 Resp: 294

Ion Ratio Lower Upper

152 100

151 24.5 16.3 24.5#

153 12.2 10.1 15.1



#17

Acenaphthene

Concen: 0.104 ng

RT: 14.489 min Scan# 1541

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

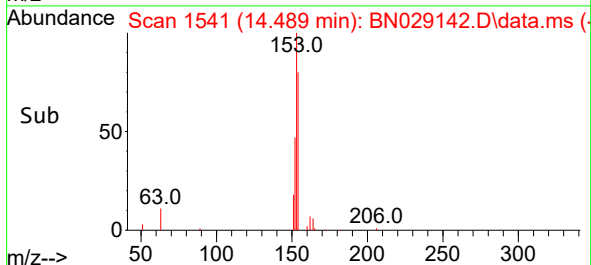
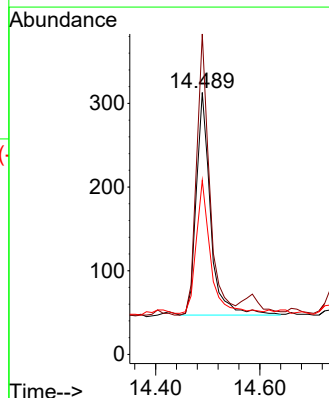
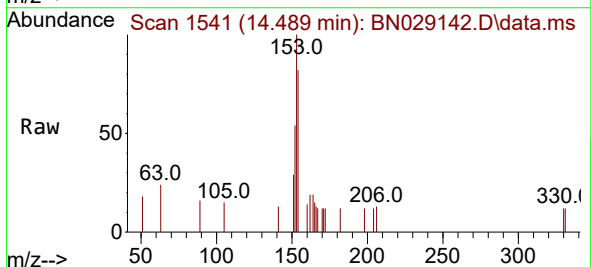
Tgt Ion:154 Resp: 504

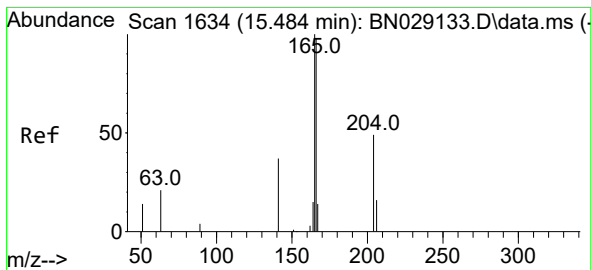
Ion Ratio Lower Upper

154 100

153 116.3 99.9 149.9

152 59.7 47.4 71.2





#18

Fluorene

Concen: 0.093 ng

RT: 15.484 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

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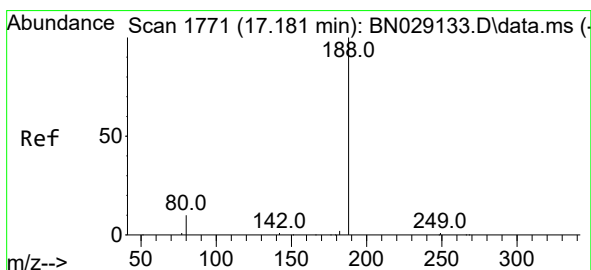
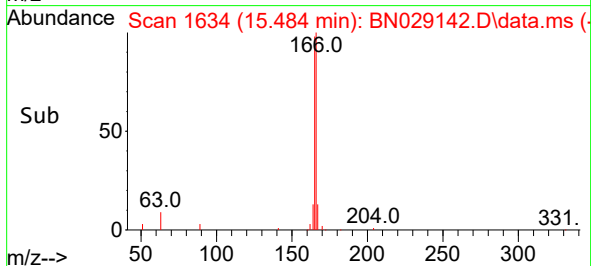
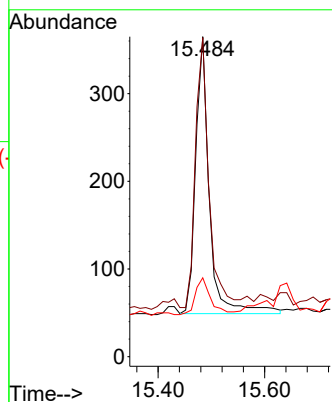
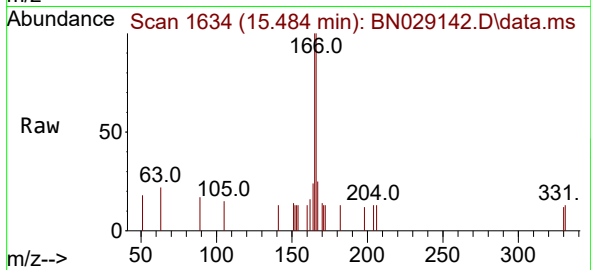
Tgt Ion:166 Resp: 608

Ion Ratio Lower Upper

166 100

165 93.3 83.4 125.0

167 13.7 11.8 17.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.181 min Scan# 1771

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

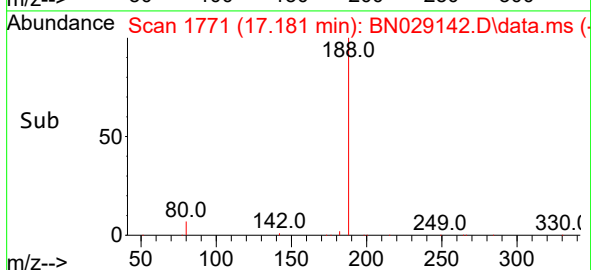
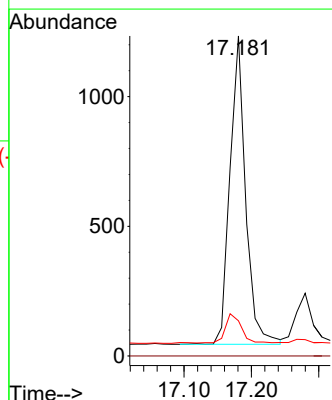
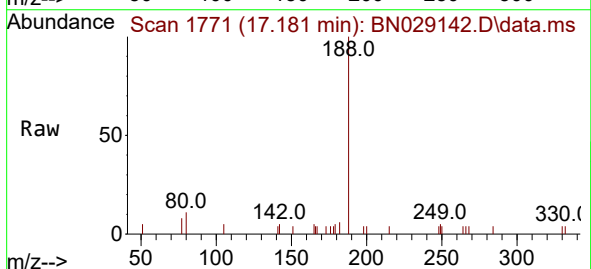
Tgt Ion:188 Resp: 1927

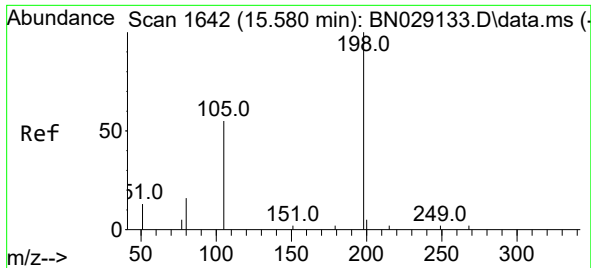
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.0 13.7 20.5#

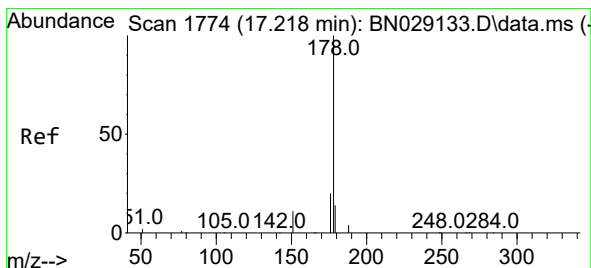
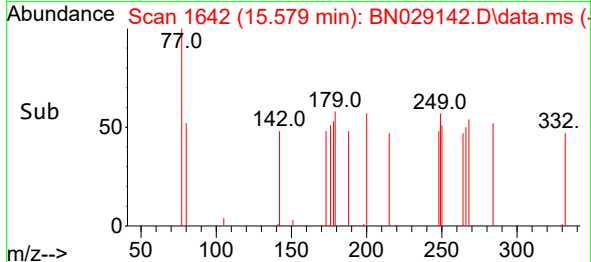
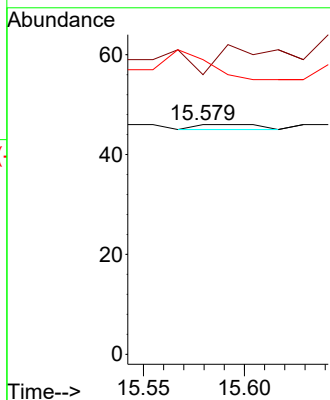
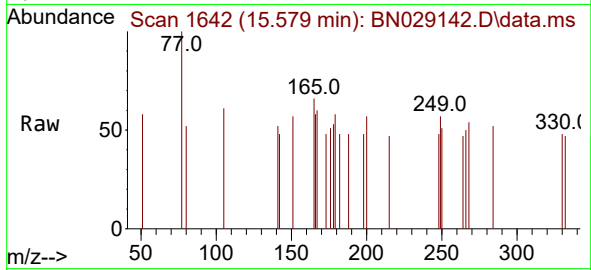




#20
4,6-Dinitro-2-methylphenol
Concen: 0.065 ng
RT: 15.579 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

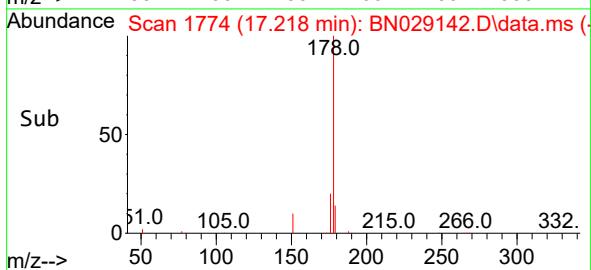
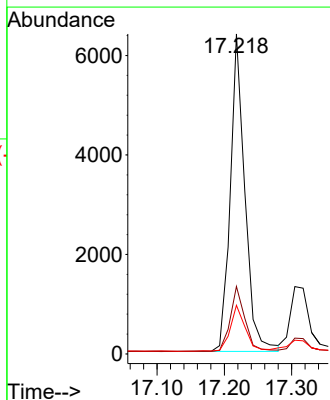
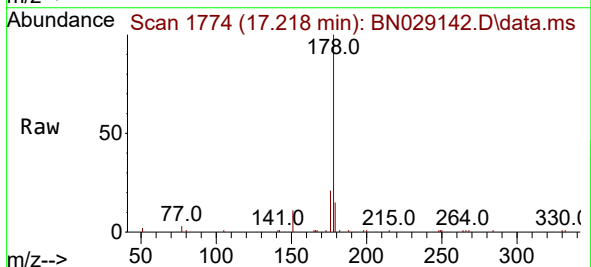
Instrument :
BNA_N
ClientSampleId :
PE-5DL

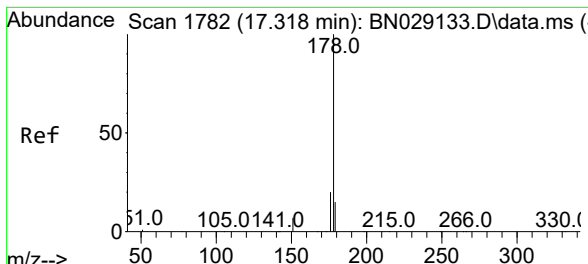
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 121.7 53.6 80.4#
105 128.3 65.6 98.4#



#25
Phenanthrene
Concen: 1.212 ng
RT: 17.218 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion:178 Resp: 9639
Ion Ratio Lower Upper
178 100
176 20.7 17.4 26.0
179 15.0 13.7 20.5

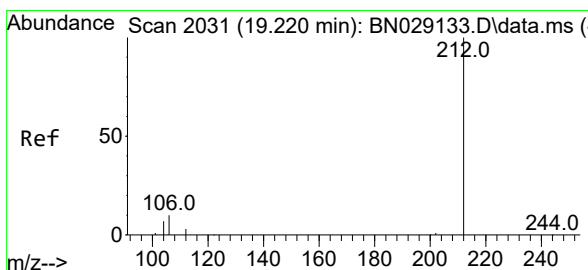
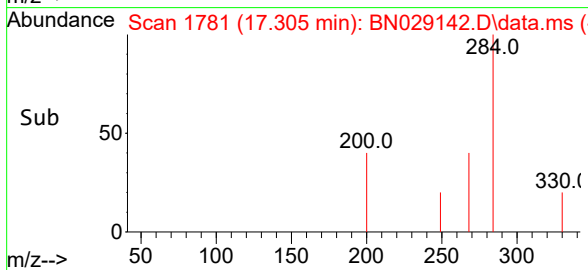
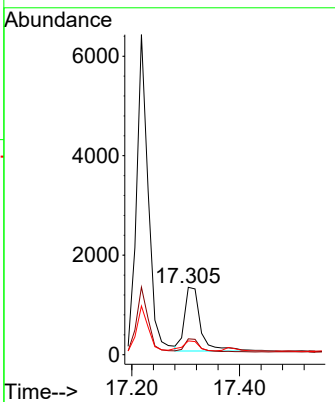
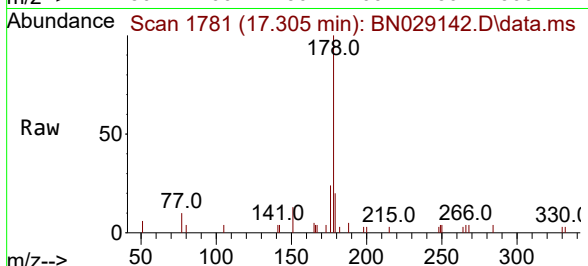




#26
 Anthracene
 Concen: 0.349 ng
 RT: 17.305 min Scan# 1781
 Delta R.T. -0.013 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

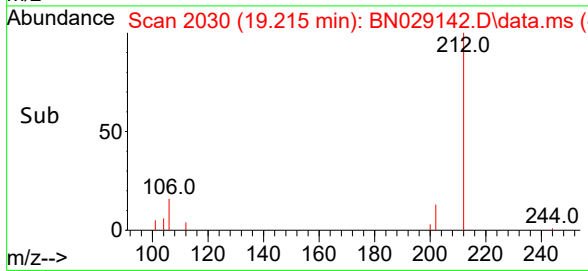
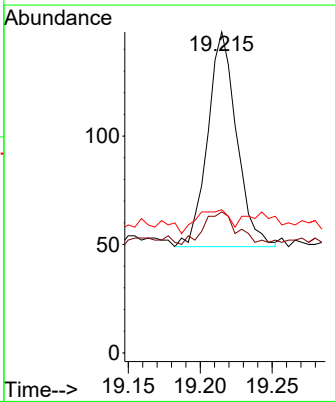
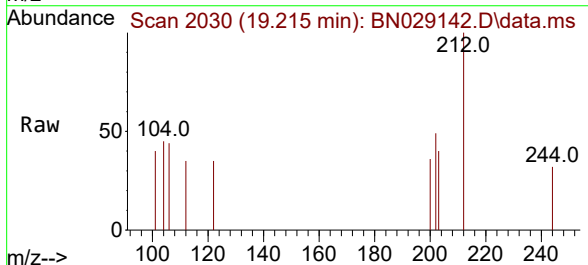
Instrument :
 BNA_N
 ClientSampleId :
 PE-5DL

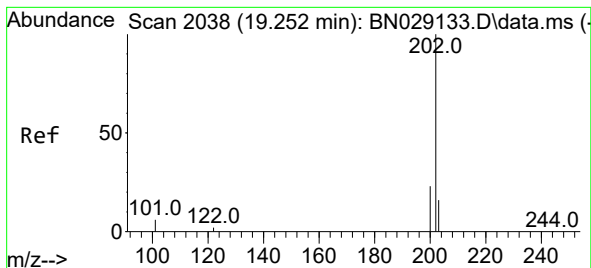
Tgt Ion:	178	Resp:	2680
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.6	11.4	17.0



#27
 Fluoranthene-d10
 Concen: 0.030 ng
 RT: 19.215 min Scan# 2030
 Delta R.T. -0.005 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

Tgt Ion:	212	Resp:	138
Ion Ratio	Lower	Upper	
212	100		
106	17.4	9.6	14.4#
104	12.3	6.5	9.7#





#28

Fluoranthene

Concen: 1.980 ng

RT: 19.247 min Scan# 2038

Delta R.T. -0.005 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

ClientSampleId :

PE-5DL

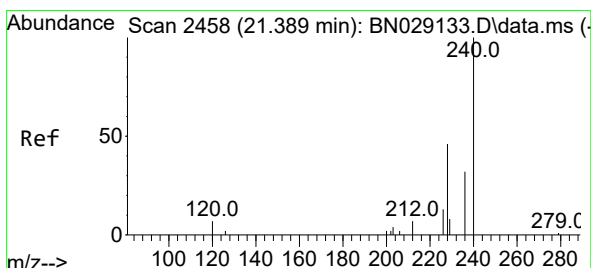
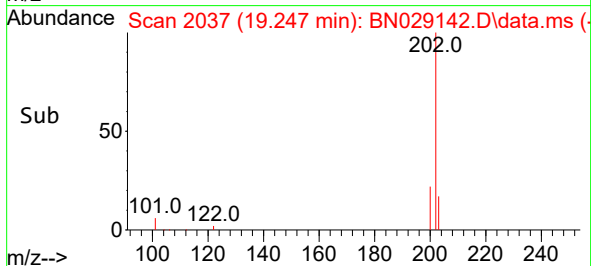
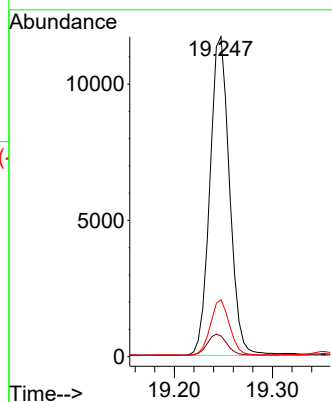
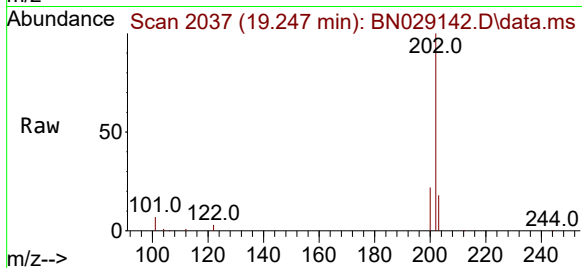
Tgt Ion:202 Resp: 16273

Ion Ratio Lower Upper

202 100

101 6.9 5.3 7.9

203 17.0 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 2458

Delta R.T. -0.005 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

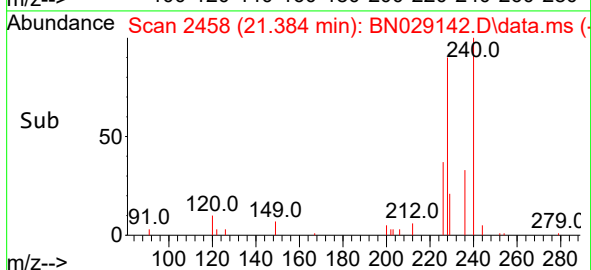
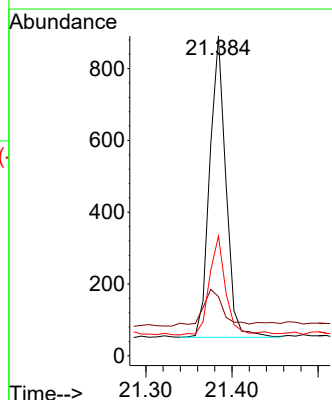
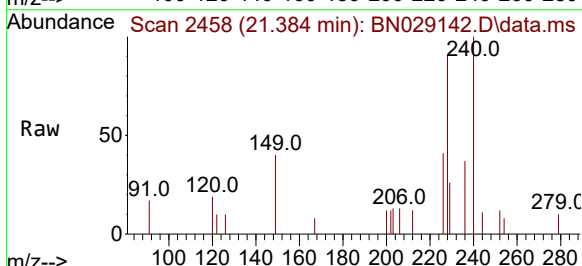
Tgt Ion:240 Resp: 1093

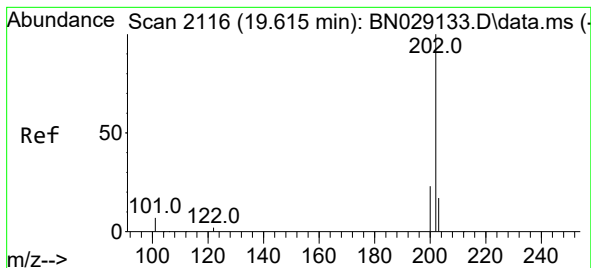
Ion Ratio Lower Upper

240 100

120 18.5 21.4 32.0#

236 37.5 33.5 50.3





#30

Pyrene

Concen: 1.566 ng

RT: 19.610 min Scan# 2116

Delta R.T. -0.005 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

ClientSampleId :

PE-5DL

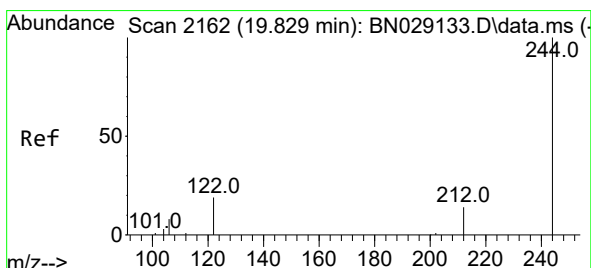
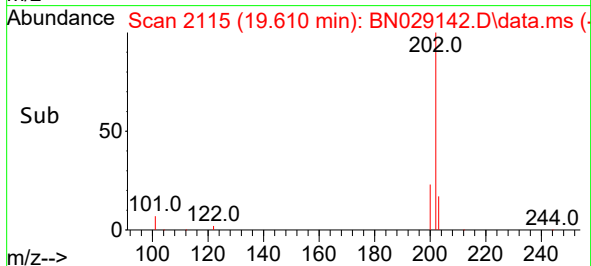
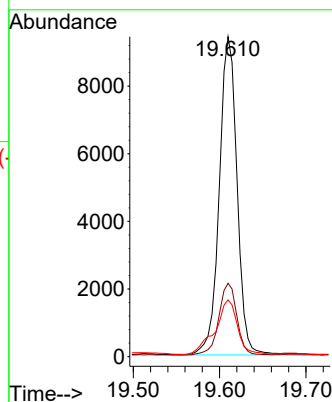
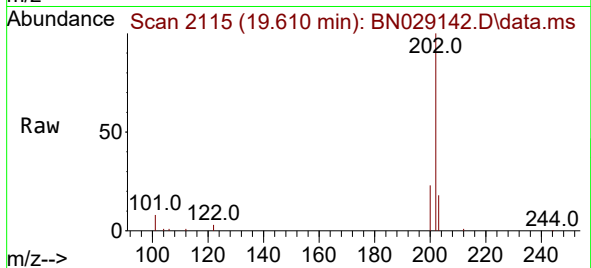
Tgt Ion:202 Resp: 13482

Ion Ratio Lower Upper

202 100

200 22.8 18.0 27.0

203 21.5 15.1 22.7



#31

Terphenyl-d14

Concen: 0.036 ng

RT: 19.828 min Scan# 2162

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

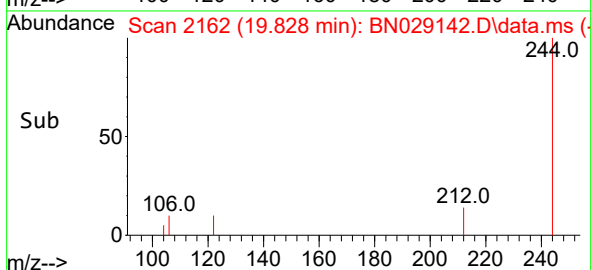
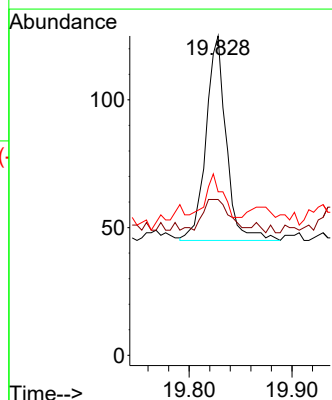
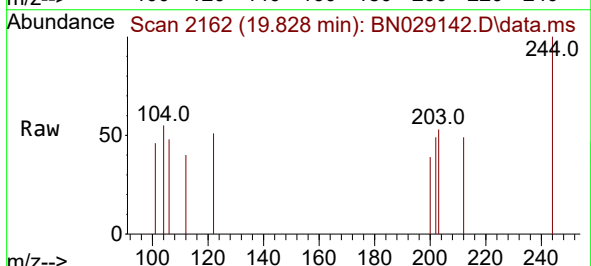
Tgt Ion:244 Resp: 109

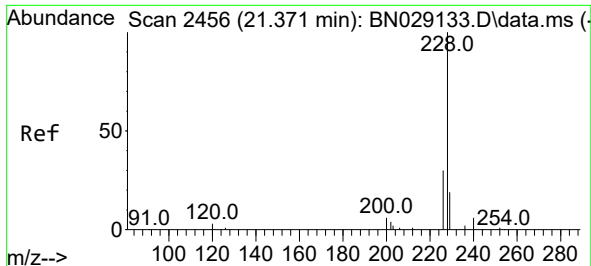
Ion Ratio Lower Upper

244 100

212 48.8 19.0 28.6#

122 51.2 22.5 33.7#

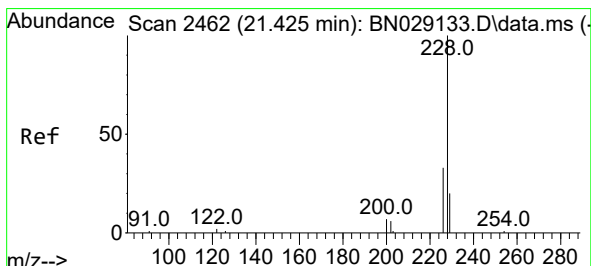
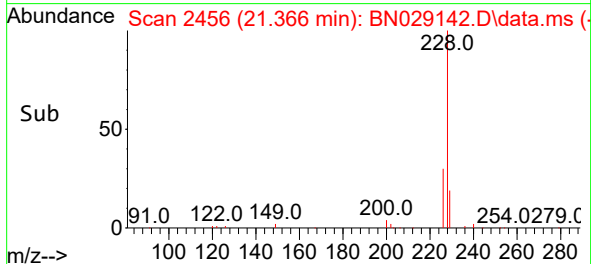
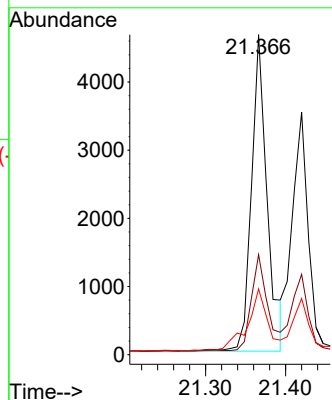
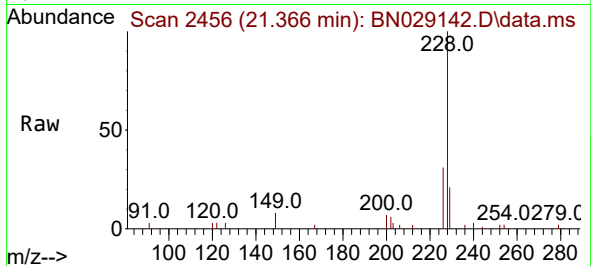




#32
Benzo(a)anthracene
Concen: 1.053 ng
RT: 21.366 min Scan# 2456
Delta R.T. -0.005 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

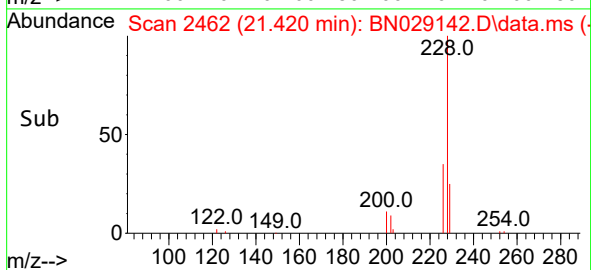
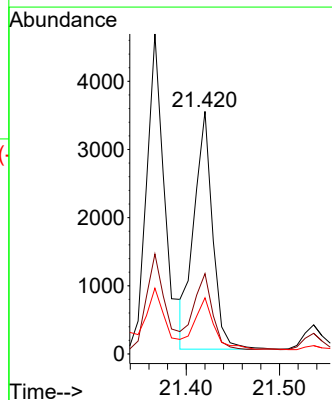
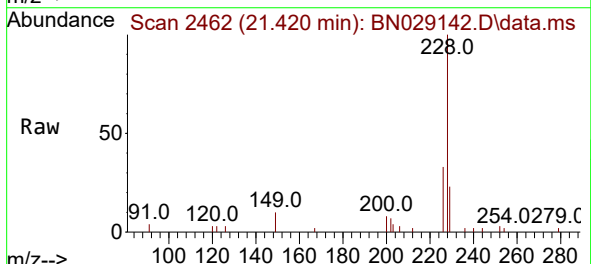
Instrument :
BNA_N
ClientSampleId :
PE-5DL

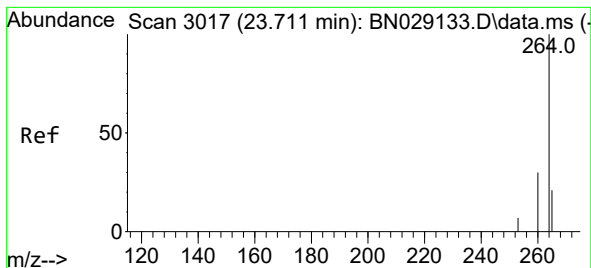
Tgt Ion:228 Resp: 6328
Ion Ratio Lower Upper
228 100
226 31.3 27.6 41.4
229 20.5 19.4 29.0



#33
Chrysene
Concen: 0.811 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion:228 Resp: 4822
Ion Ratio Lower Upper
228 100
226 33.1 29.2 43.8
229 23.1 19.3 28.9





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.700 min Scan# 3017

Delta R.T. -0.011 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

ClientSampleId :

PE-5DL

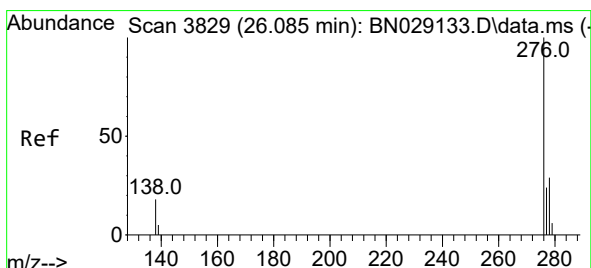
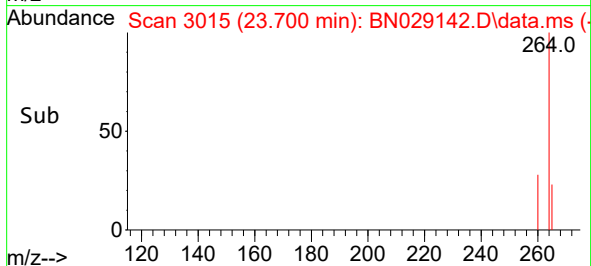
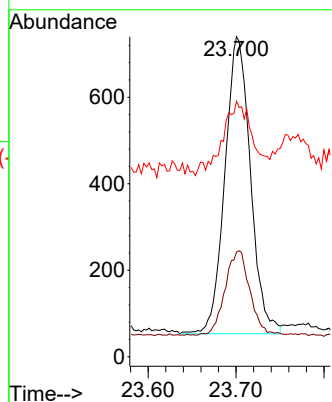
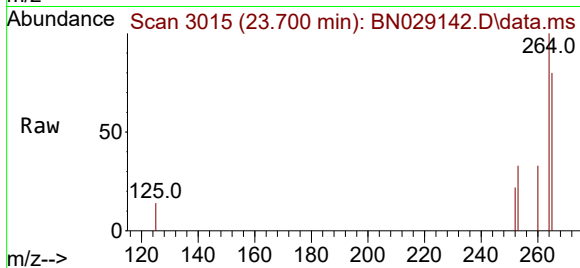
Tgt Ion:264 Resp: 1386

Ion Ratio Lower Upper

264 100

260 32.7 31.0 46.6

265 79.9 105.3 157.9#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.426 ng

RT: 26.072 min Scan# 3826

Delta R.T. -0.014 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

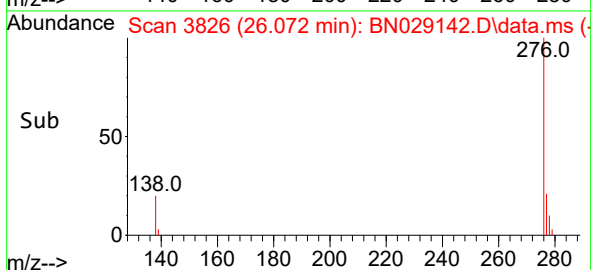
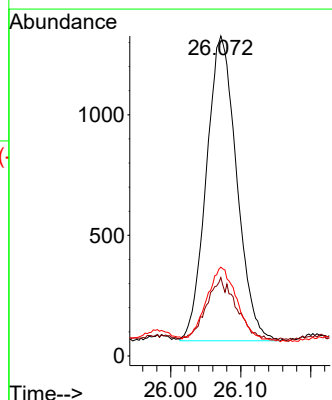
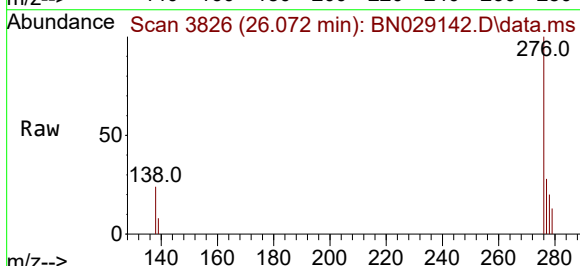
Tgt Ion:276 Resp: 3802

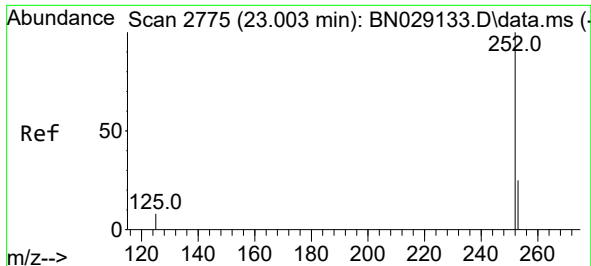
Ion Ratio Lower Upper

276 100

138 19.8 7.8 11.6#

277 25.1 9.2 13.8#





#37

Benzo(b)fluoranthene

Concen: 1.028 ng

RT: 23.002 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

ClientSampleId :

PE-5DL

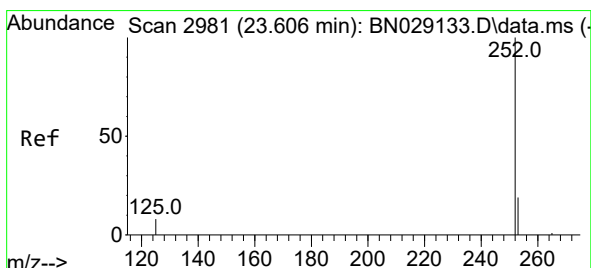
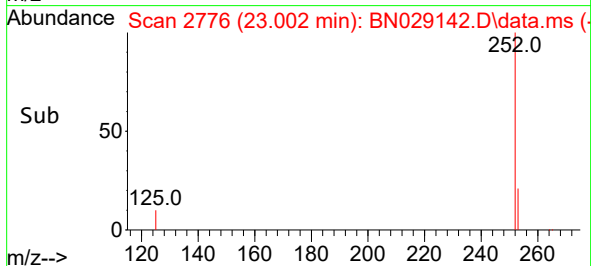
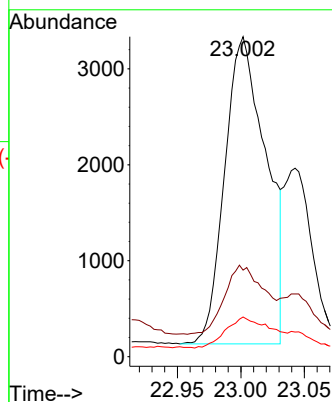
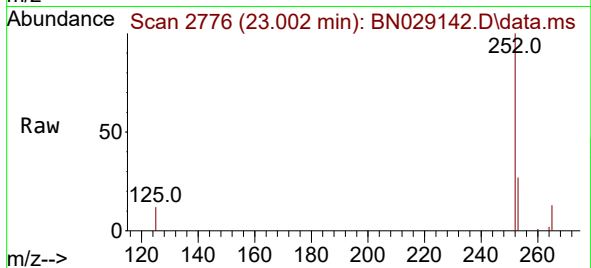
Tgt Ion:252 Resp: 7247

Ion Ratio Lower Upper

252 100

253 27.1 36.0 54.0#

125 12.4 14.6 21.8#



#39

Benzo(a)pyrene

Concen: 0.204 ng

RT: 23.753 min Scan# 3033

Delta R.T. 0.147 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

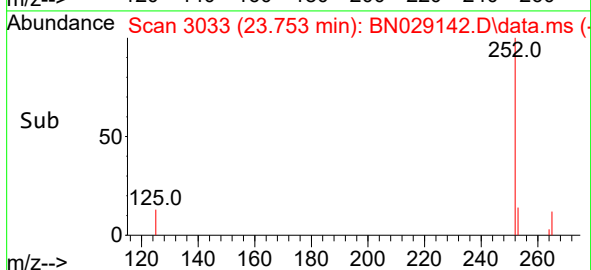
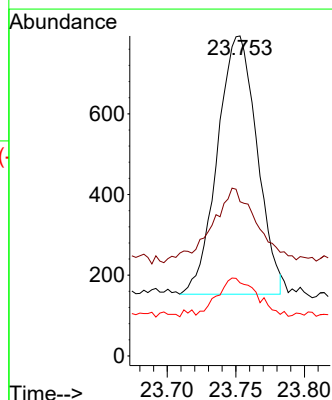
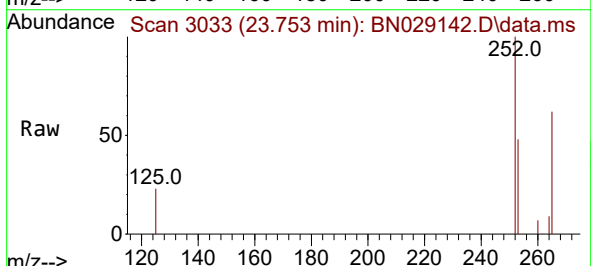
Tgt Ion:252 Resp: 1284

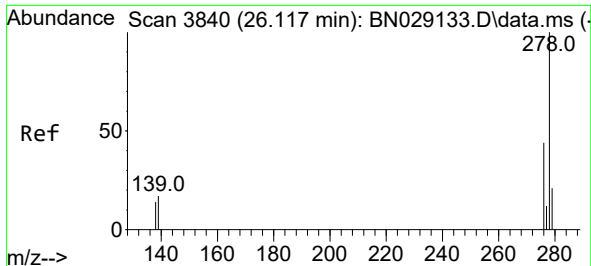
Ion Ratio Lower Upper

252 100

253 48.2 40.3 60.5

125 22.8 16.7 25.1

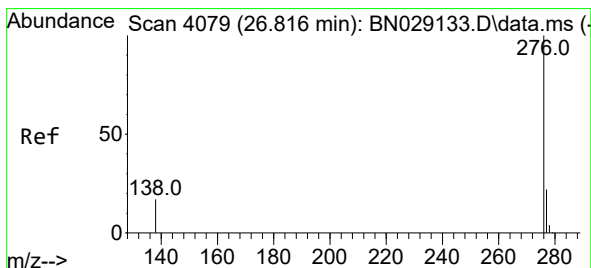
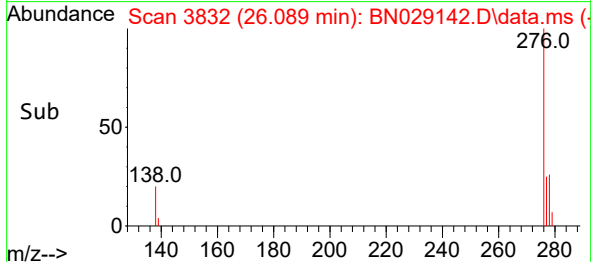
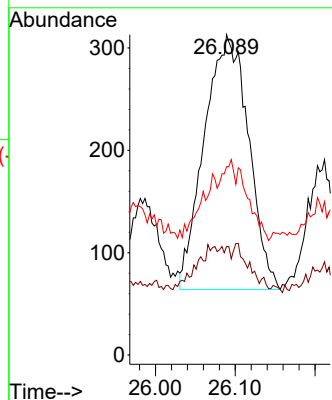
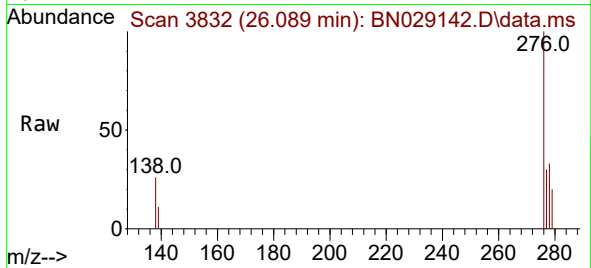




#40
Dibenzo(a,h)anthracene
Concen: 0.140 ng
RT: 26.089 min Scan# 3840
Delta R.T. -0.028 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Instrument :
BNA_N
ClientSampleId :
PE-5DL

Tgt Ion:278 Resp: 958
Ion Ratio Lower Upper
278 100
139 33.9 24.2 36.2
279 58.8 34.9 52.3#



#41
Benzo(g,h,i)perylene
Concen: 0.415 ng
RT: 26.802 min Scan# 4076
Delta R.T. -0.014 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion:276 Resp: 3139
Ion Ratio Lower Upper
276 100
277 27.2 25.5 38.3
138 25.1 22.9 34.3

