

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
 Data File : BN028433.D
 Acq On : 02 Nov 2023 22:10
 Operator : MA/JU
 Sample : 05196-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASE

Quant Time: Nov 03 01:50:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 02 06:26:50 2023
 Response via : Initial Calibration

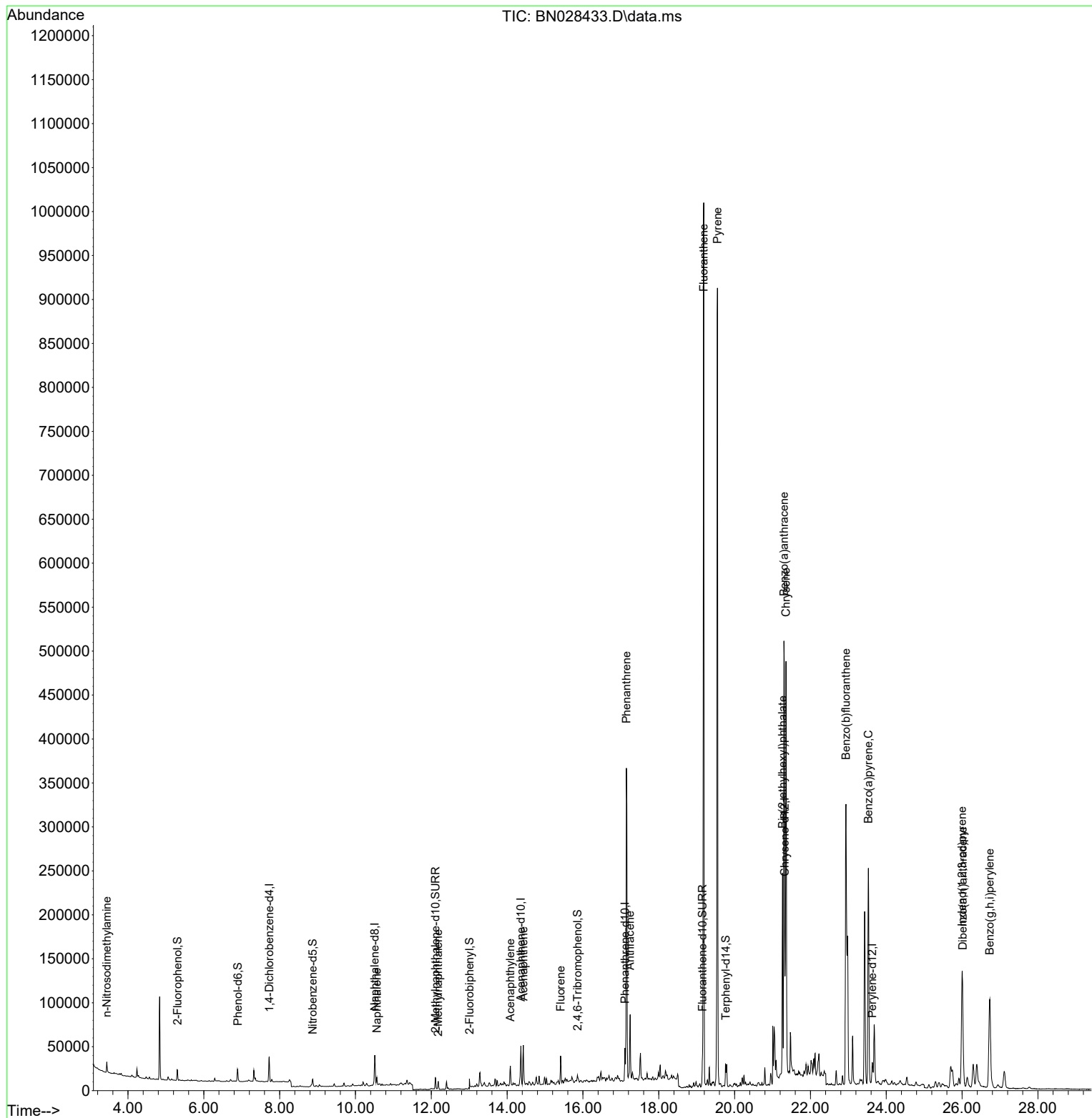
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	12819	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	39414	0.400	ng	0.00
13) Acenaphthene-d10	14.364	164	22372	0.400	ng	0.00
19) Phenanthrene-d10	17.109	188	46607	0.400	ng	#-0.01
29) Chrysene-d12	21.319	240	35946	0.400	ng	# 0.00
35) Perylene-d12	23.631	264	31841	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	9844	0.294	ng	0.00
5) Phenol-d6	6.894	99	12594	0.297	ng	0.00
8) Nitrobenzene-d5	8.875	82	7386	0.290	ng	0.00
11) 2-Methylnaphthalene-d10	12.110	152	17267	0.306	ng	0.00
14) 2,4,6-Tribromophenol	15.855	330	2264	0.260	ng	0.00
15) 2-Fluorobiphenyl	13.006	172	4061	0.153	ng	0.00
27) Fluoranthene-d10	19.152	212	34651	0.301	ng	0.00
31) Terphenyl-d14	19.766	244	22764	0.301	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.442	42	2575	0.163	ng	# 1
9) Naphthalene	10.562	128	11624	0.109	ng	# 96
12) 2-Methylnaphthalene	12.182	142	6172	0.083	ng	# 93
16) Acenaphthylene	14.086	152	25262	0.229	ng	98
17) Acenaphthene	14.428	154	21430	0.306	ng	98
18) Fluorene	15.411	166	18965	0.199	ng	# 97
25) Phenanthrene	17.146	178	404117	2.935	ng	100
26) Anthracene	17.245	178	84485	0.643	ng	98
28) Fluoranthene	19.185	202	879391	5.472	ng	99
30) Pyrene	19.547	202	799558	5.333	ng	# 95
32) Benzo(a)anthracene	21.301	228	447276	3.135	ng	98
33) Chrysene	21.355	228	414162	2.915	ng	98
34) Bis(2-ethylhexyl)phtha...	21.266	149	186635	2.531	ng	99
36) Indeno(1,2,3-cd)pyrene	26.002	276	217508	1.778	ng	# 94
37) Benzo(b)fluoranthene	22.935	252	540566	4.423	ng	99
39) Benzo(a)pyrene	23.529	252	341523	3.150	ng	99
40) Dibenzo(a,h)anthracene	26.017	278	54783	0.538	ng	95
41) Benzo(g,h,i)perylene	26.730	276	217449	1.994	ng	98

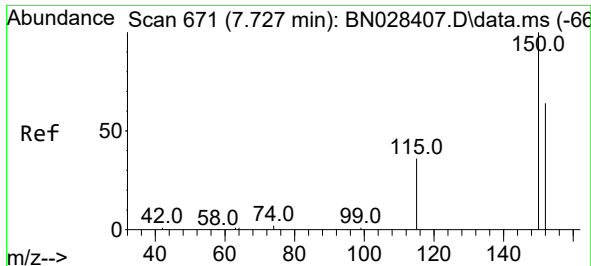
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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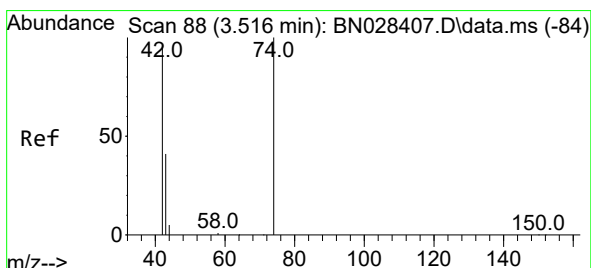
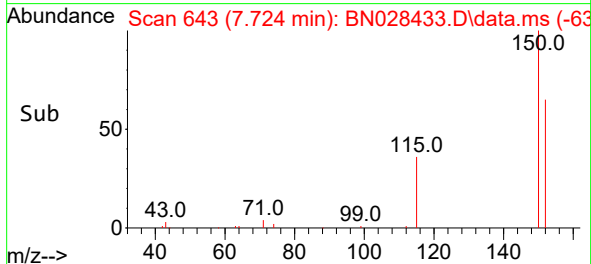
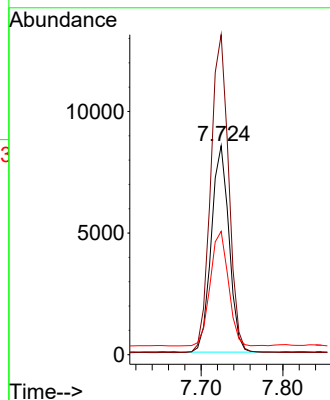
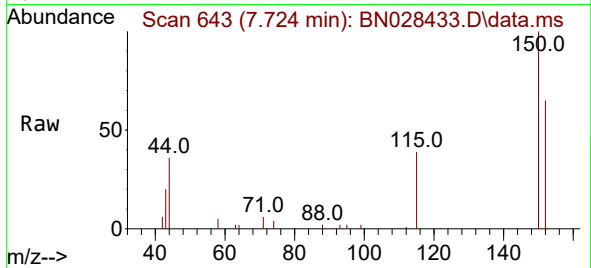




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. -0.003 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

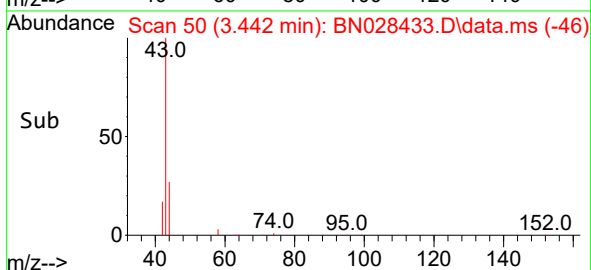
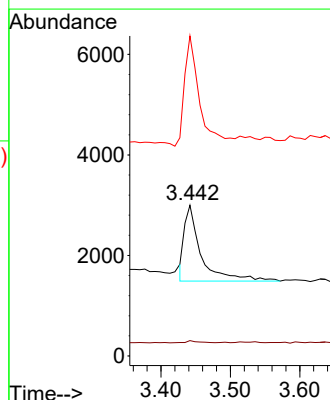
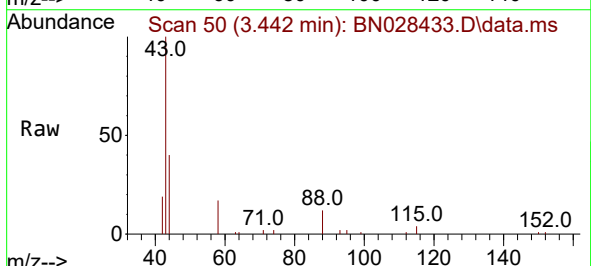
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

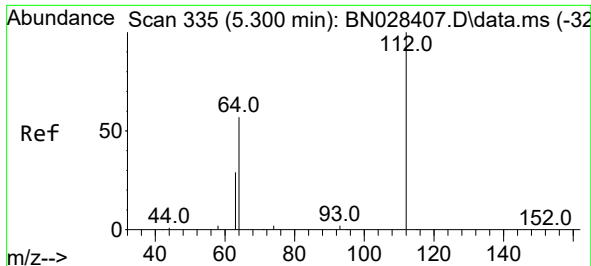
Tgt Ion:152 Resp: 12819
Ion Ratio Lower Upper
152 100
150 153.1 123.8 185.6
115 59.0 47.0 70.6



#3
n-Nitrosodimethylamine
Concen: 0.163 ng
RT: 3.442 min Scan# 50
Delta R.T. -0.074 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion: 42 Resp: 2575
Ion Ratio Lower Upper
42 100
74 1.6 100.3 150.5#
44 101.2 6.2 9.2#

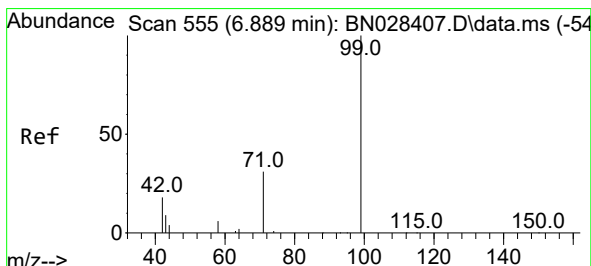
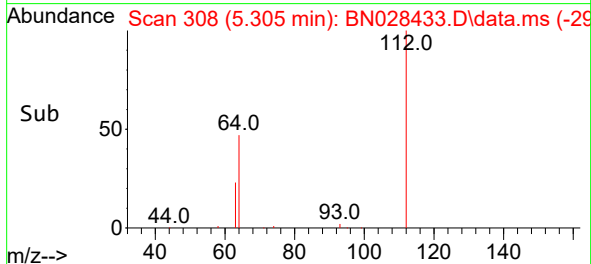
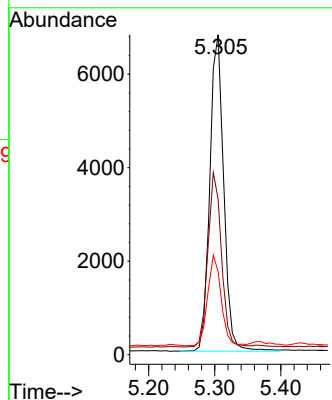
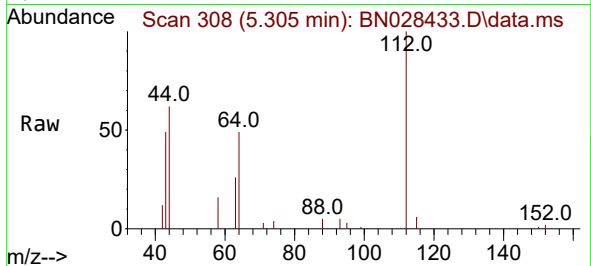




#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.305 min Scan# 30
Delta R.T. 0.005 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

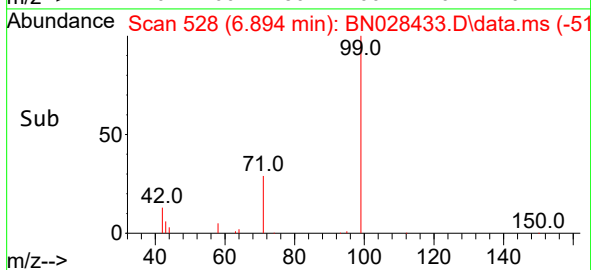
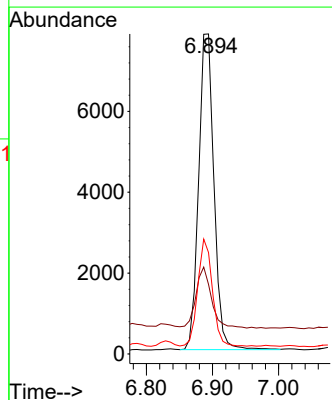
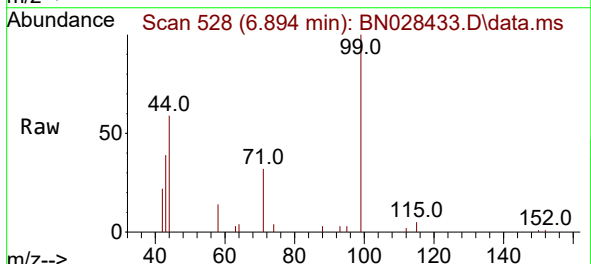
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

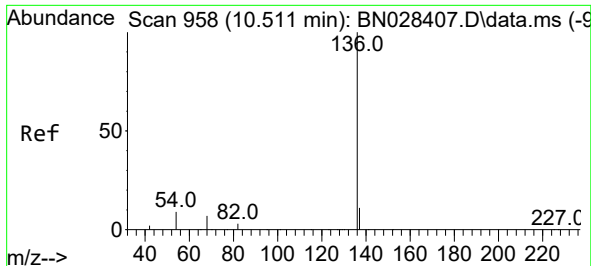
Tgt Ion:112 Resp: 9844
Ion Ratio Lower Upper
112 100
64 53.9 44.3 66.5
63 27.9 22.6 33.8



#5
Phenol-d6
Concen: 0.297 ng
RT: 6.894 min Scan# 528
Delta R.T. 0.005 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion: 99 Resp: 12594
Ion Ratio Lower Upper
99 100
42 19.3 15.4 23.0
71 32.3 24.4 36.6

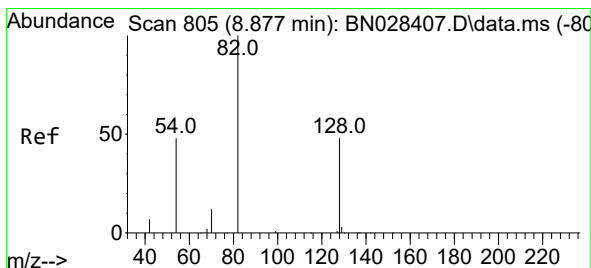
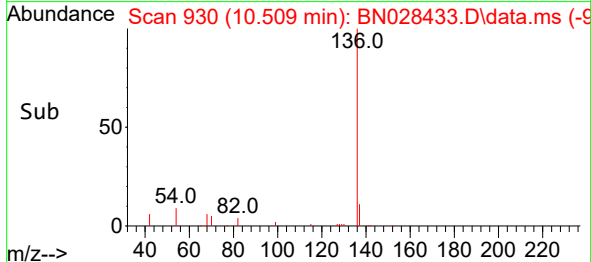
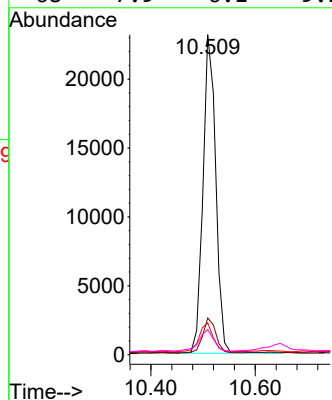
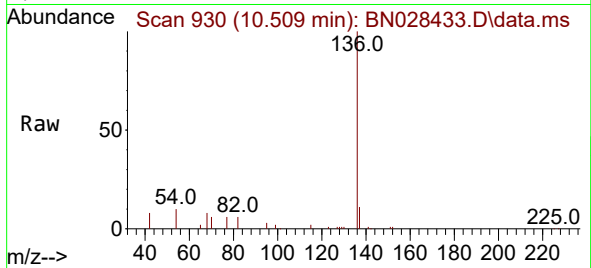




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 911
Delta R.T. -0.002 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

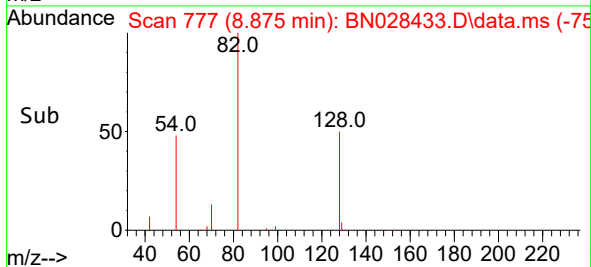
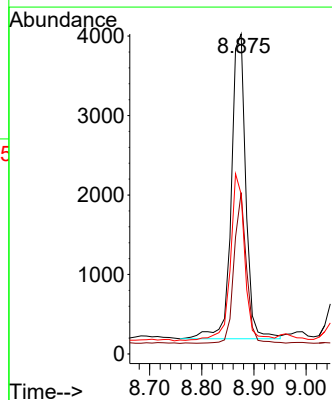
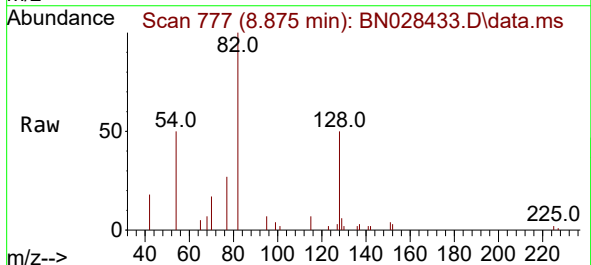
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

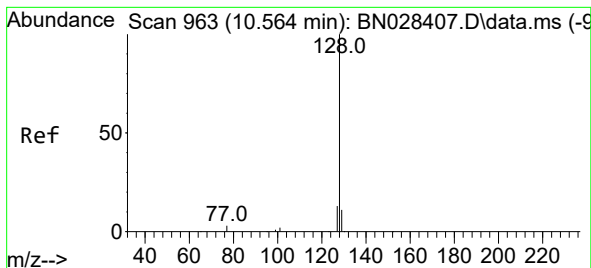
Tgt Ion:	136	Resp:	39414
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	10.0	7.9	11.9
68	7.9	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.290 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.002 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:	82	Resp:	7386
Ion	Ratio	Lower	Upper
82	100		
128	50.4	38.8	58.2
54	50.0	40.3	60.5





#9

Naphthalene

Concen: 0.109 ng

RT: 10.562 min Scan# 91

Delta R.T. -0.002 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

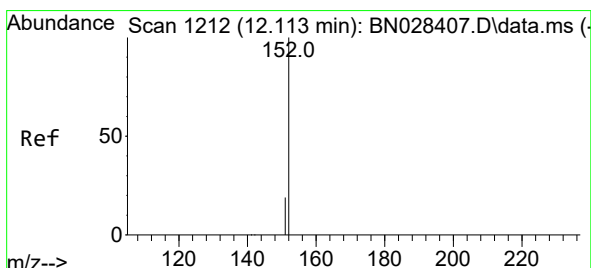
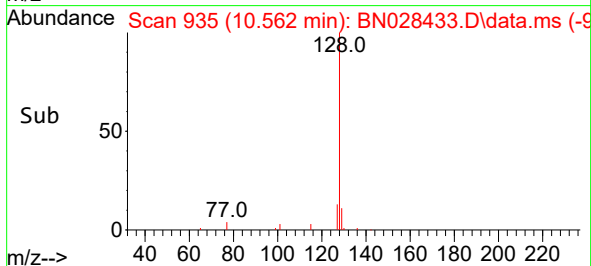
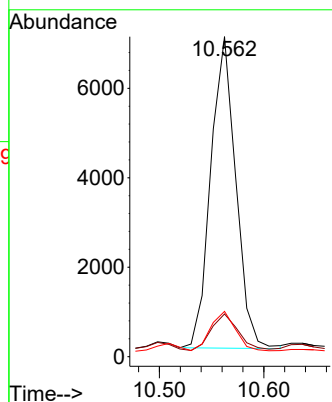
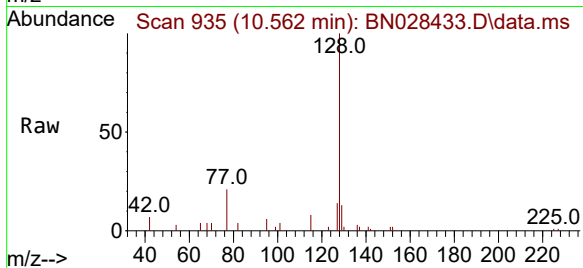
Tgt Ion:128 Resp: 11624

Ion Ratio Lower Upper

128 100

129 13.3 8.9 13.3#

127 14.1 10.4 15.6



#11

2-Methylnaphthalene-d10

Concen: 0.306 ng

RT: 12.110 min Scan# 1182

Delta R.T. -0.003 min

Lab File: BN028433.D

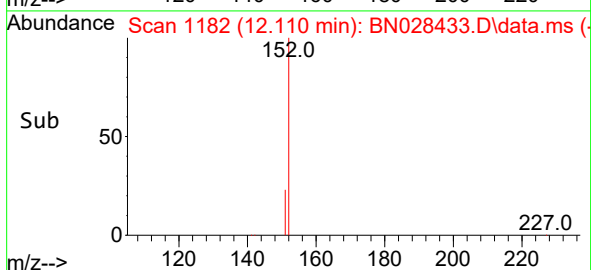
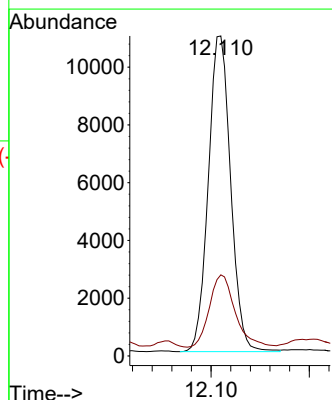
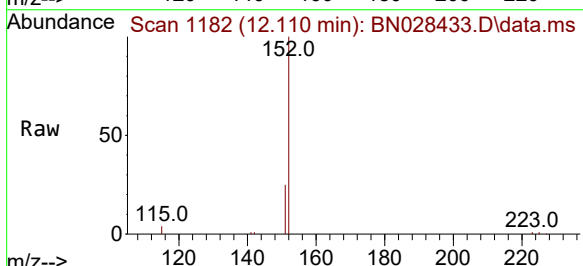
Acq: 02 Nov 2023 22:10

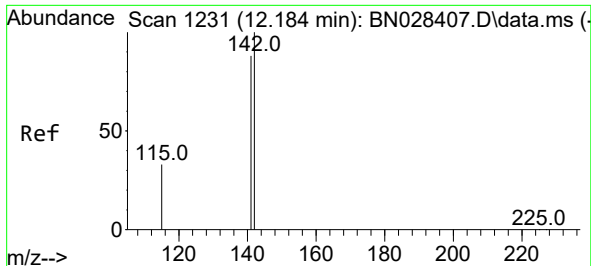
Tgt Ion:152 Resp: 17267

Ion Ratio Lower Upper

152 100

151 26.5 16.4 24.6#

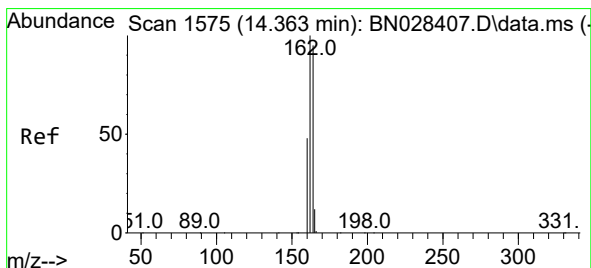
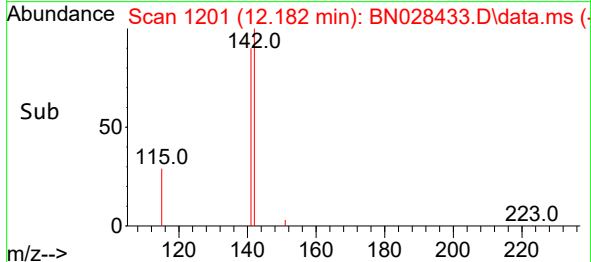
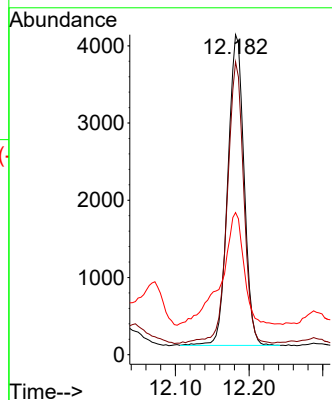
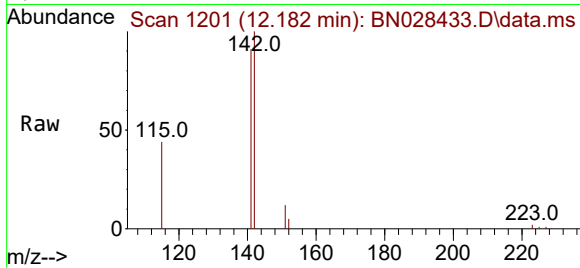




#12
2-Methylnaphthalene
Concen: 0.083 ng
RT: 12.182 min Scan# 11
Delta R.T. -0.003 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

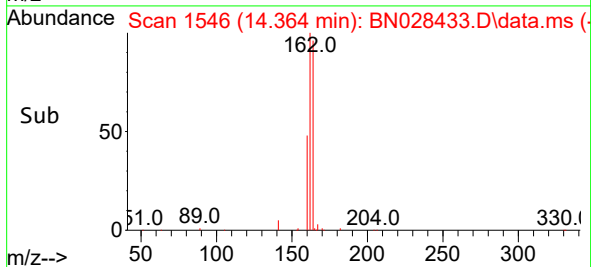
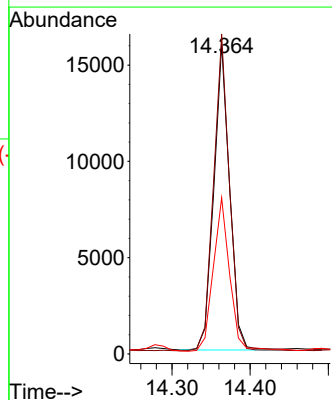
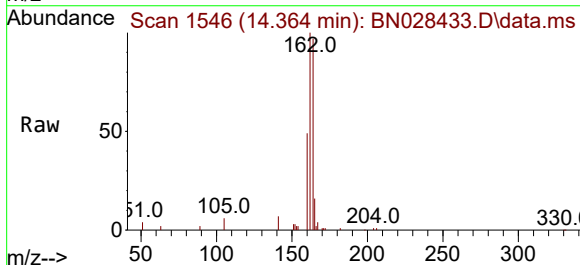
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BNA_N
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PE-7-SOUTHSIDE-BASE

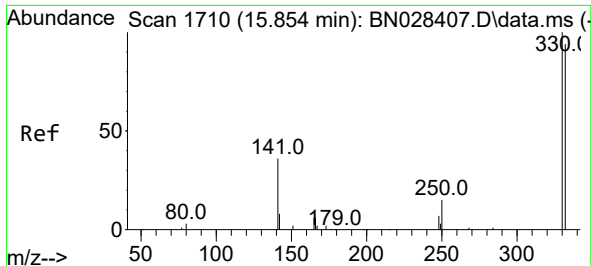
Tgt Ion:142 Resp: 6172
Ion Ratio Lower Upper
142 100
141 91.5 70.7 106.1
115 44.4 27.6 41.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.364 min Scan# 1546
Delta R.T. 0.001 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:164 Resp: 22372
Ion Ratio Lower Upper
164 100
162 103.2 84.6 127.0
160 50.4 41.3 61.9

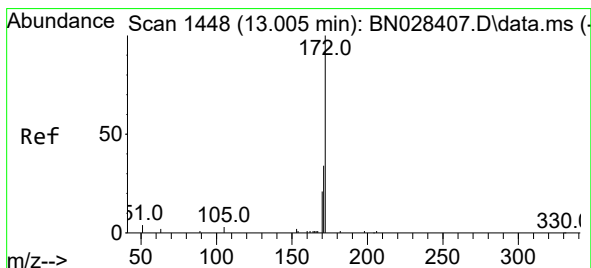
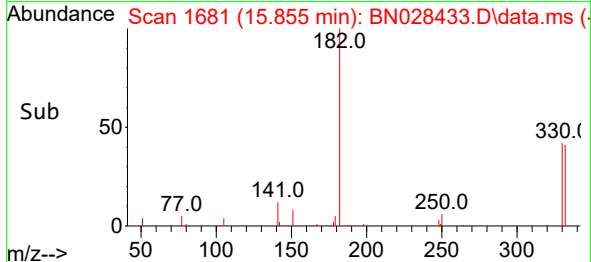
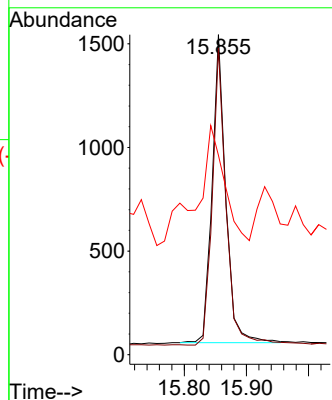
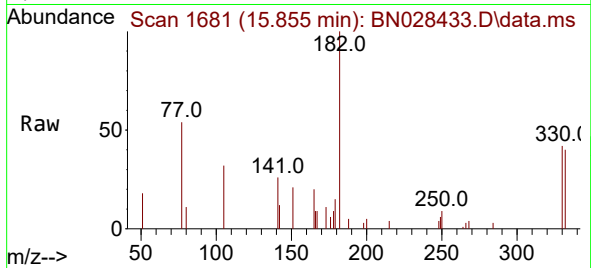




#14
2,4,6-Tribromophenol
Concen: 0.260 ng
RT: 15.855 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

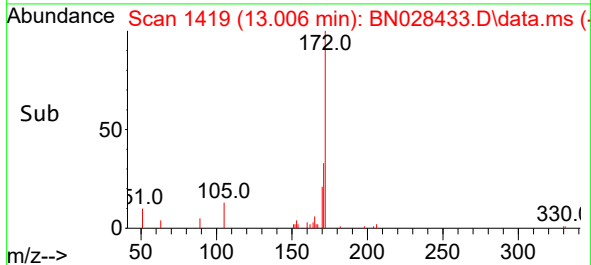
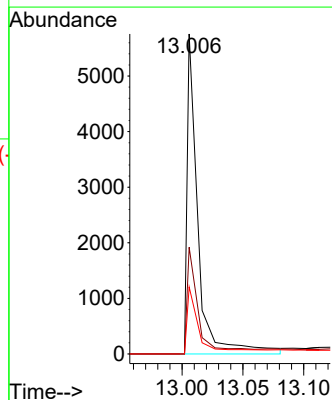
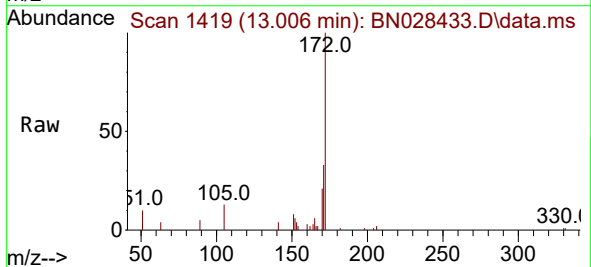
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BNA_N
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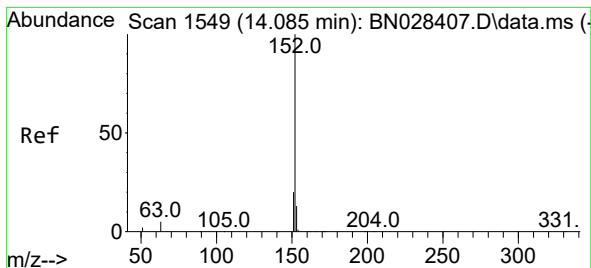
Tgt Ion:330 Resp: 2264
Ion Ratio Lower Upper
330 100
332 97.2 76.2 114.2
141 55.8 32.8 49.2#



#15
2-Fluorobiphenyl
Concen: 0.153 ng
RT: 13.006 min Scan# 1419
Delta R.T. 0.001 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:172 Resp: 4061
Ion Ratio Lower Upper
172 100
171 33.3 27.2 40.8
170 21.0 17.1 25.7





#16

Acenaphthylene

Concen: 0.229 ng

RT: 14.086 min Scan# 11

Delta R.T. 0.001 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

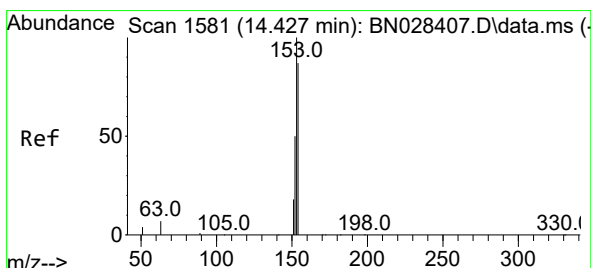
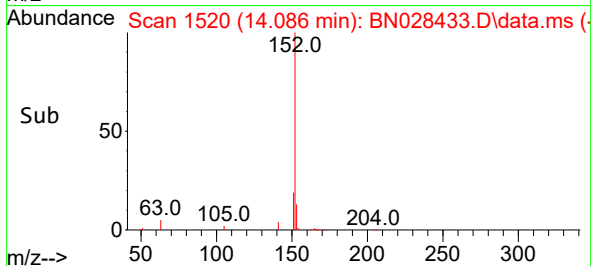
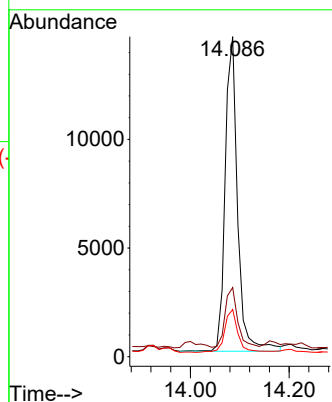
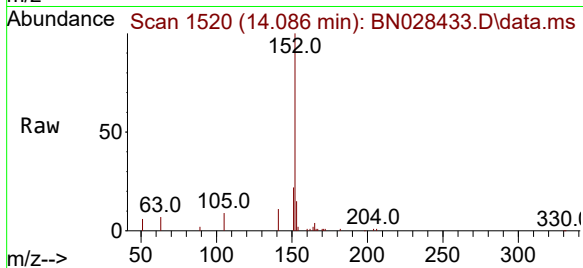
Tgt Ion:152 Resp: 25262

Ion Ratio Lower Upper

152 100

151 18.9 15.7 23.5

153 14.2 10.5 15.7



#17

Acenaphthene

Concen: 0.306 ng

RT: 14.428 min Scan# 1552

Delta R.T. 0.001 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

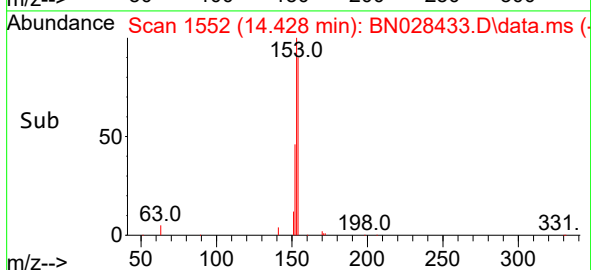
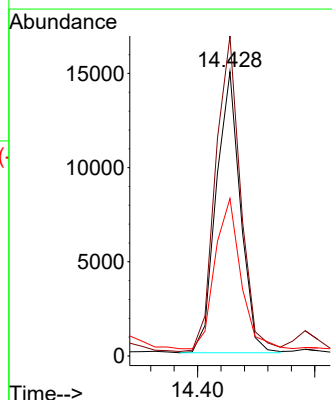
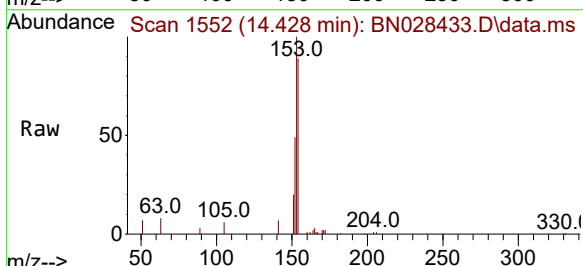
Tgt Ion:154 Resp: 21430

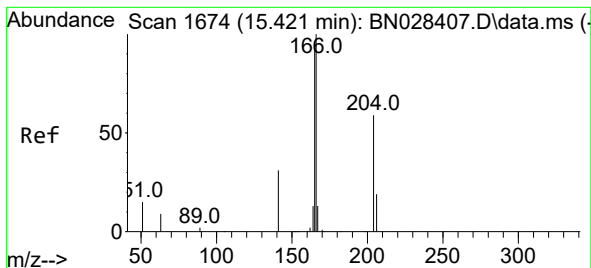
Ion Ratio Lower Upper

154 100

153 115.6 90.5 135.7

152 56.5 45.8 68.6





#18

Fluorene

Concen: 0.199 ng

RT: 15.411 min Scan# 1

Delta R.T. -0.010 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

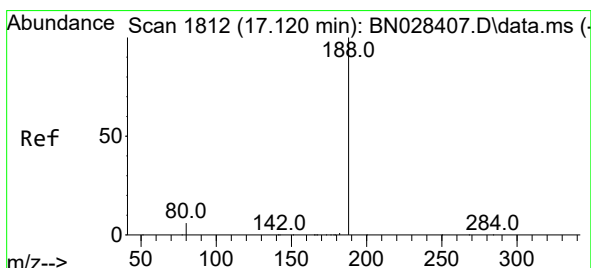
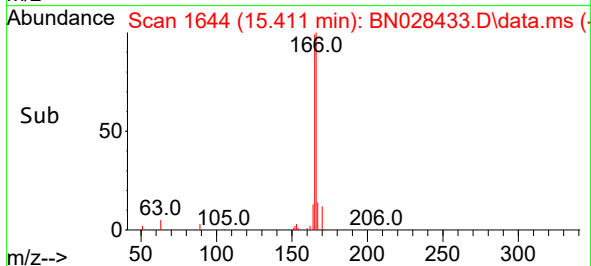
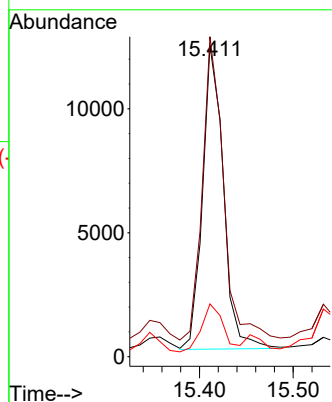
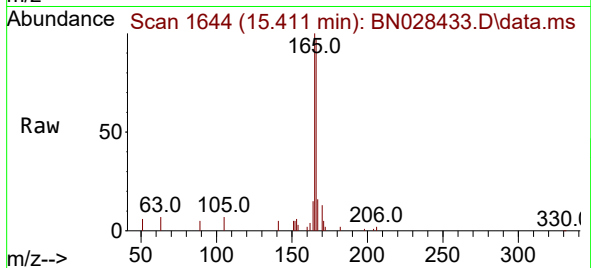
Tgt Ion:166 Resp: 18965

Ion Ratio Lower Upper

166 100

165 100.7 79.2 118.8

167 16.7 10.6 16.0#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.109 min Scan# 1782

Delta R.T. -0.011 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

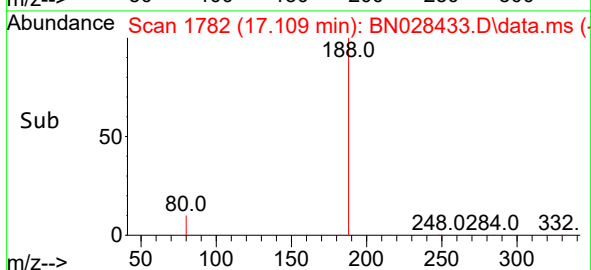
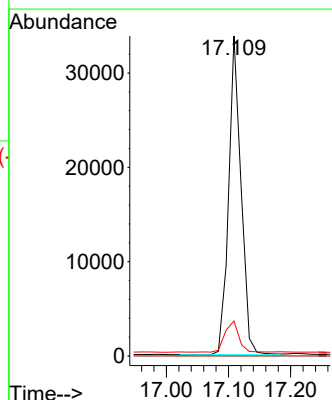
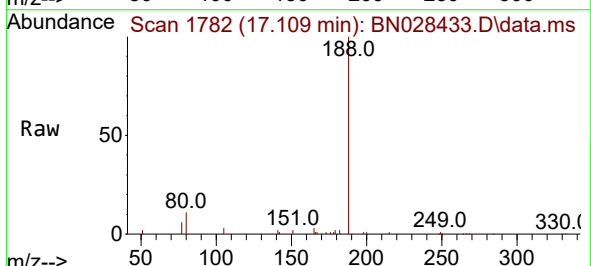
Tgt Ion:188 Resp: 46607

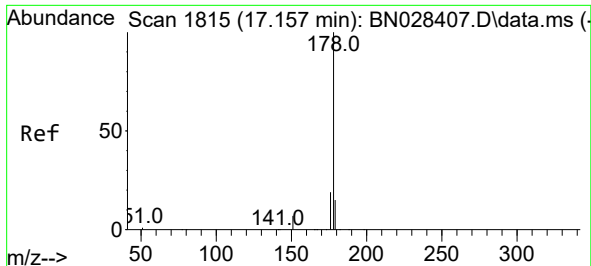
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 5.3 7.9#

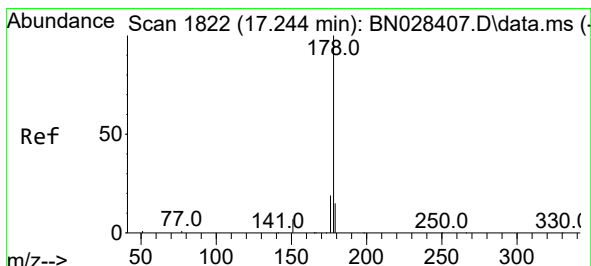
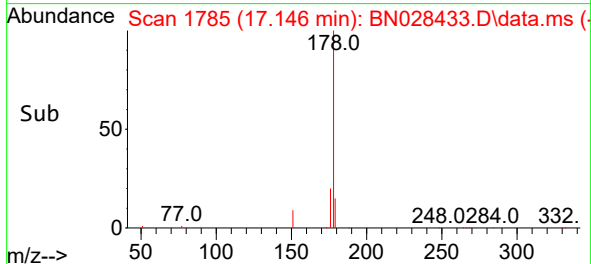
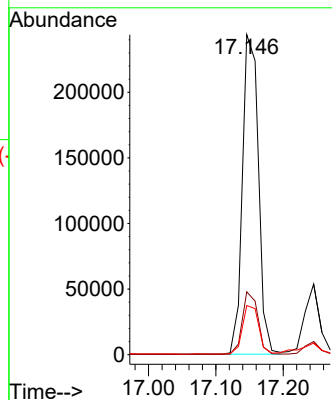
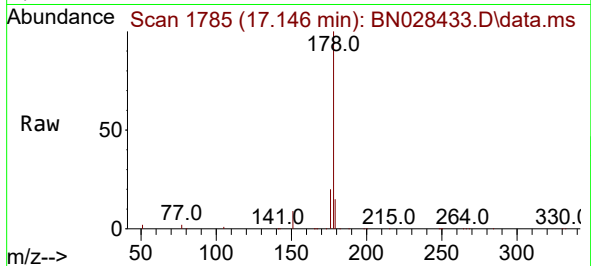




#25
Phenanthrene
Concen: 2.935 ng
RT: 17.146 min Scan# 1793
Delta R.T. -0.011 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

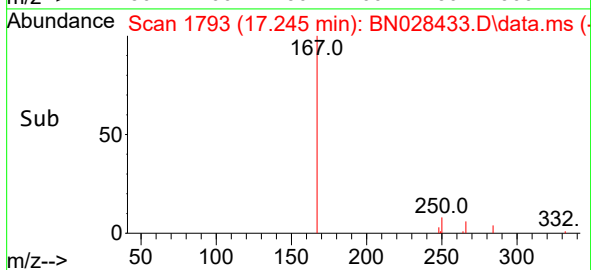
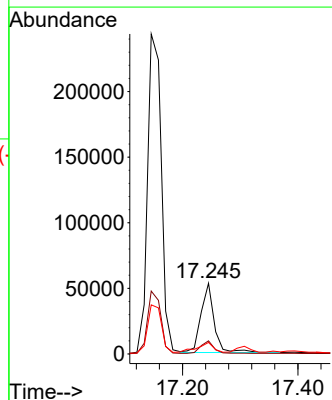
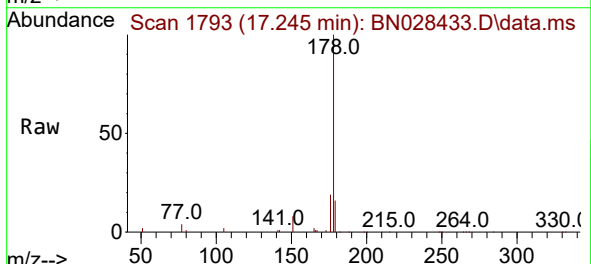
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

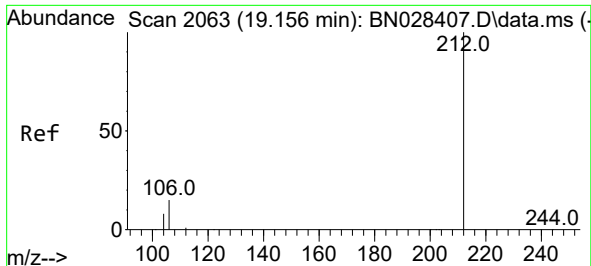
Tgt Ion:178 Resp: 404117
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.4 12.2 18.2



#26
Anthracene
Concen: 0.643 ng
RT: 17.245 min Scan# 1793
Delta R.T. 0.001 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:178 Resp: 84485
Ion Ratio Lower Upper
178 100
176 17.6 14.9 22.3
179 16.4 12.2 18.4

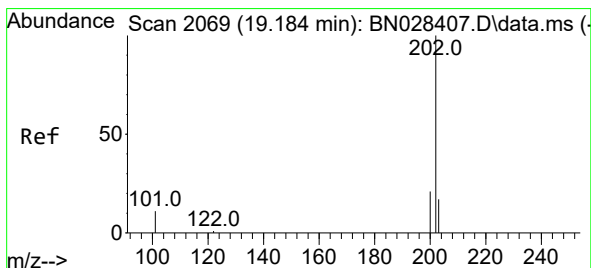
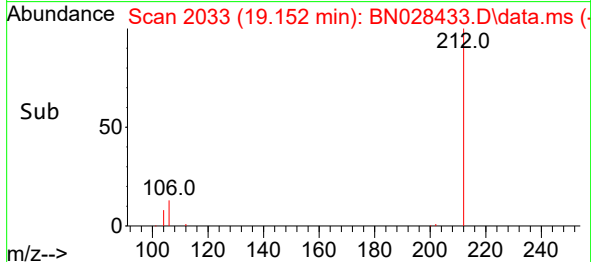
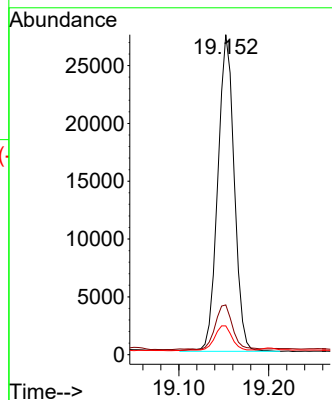
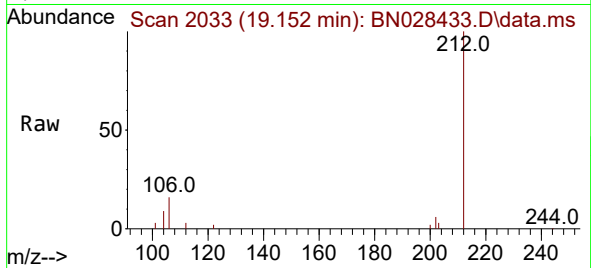




#27
Fluoranthene-d10
Concen: 0.301 ng
RT: 19.152 min Scan# 2063
Delta R.T. -0.004 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

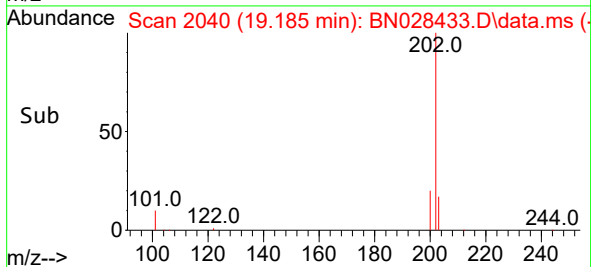
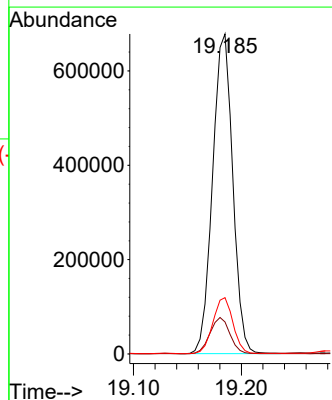
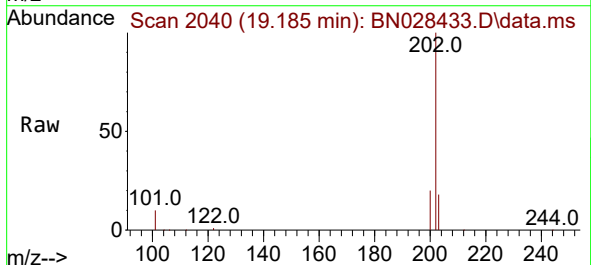
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

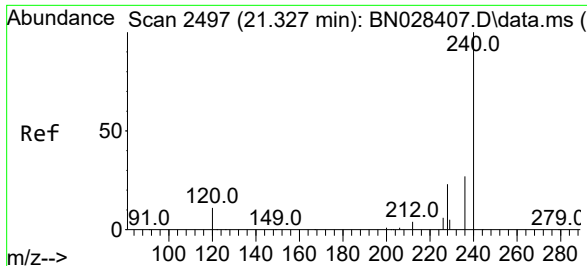
Tgt Ion:212 Resp: 34651
Ion Ratio Lower Upper
212 100
106 14.8 11.9 17.9
104 8.7 6.7 10.1



#28
Fluoranthene
Concen: 5.472 ng
RT: 19.185 min Scan# 2040
Delta R.T. 0.001 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:202 Resp: 879391
Ion Ratio Lower Upper
202 100
101 11.3 9.3 13.9
203 17.4 13.7 20.5

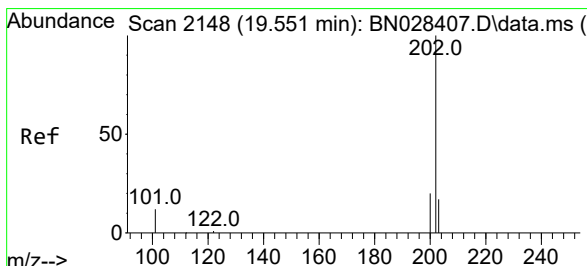
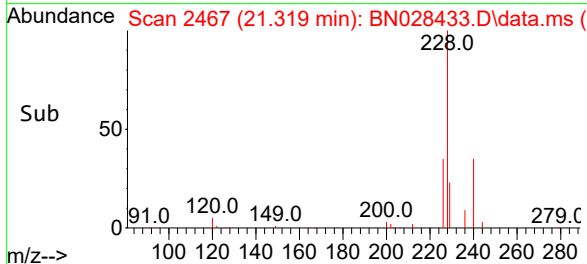
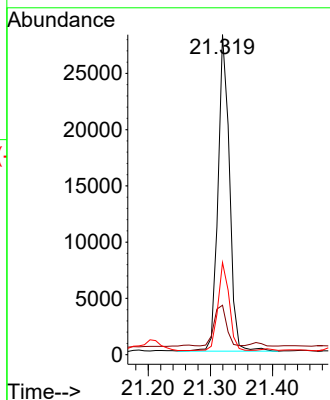
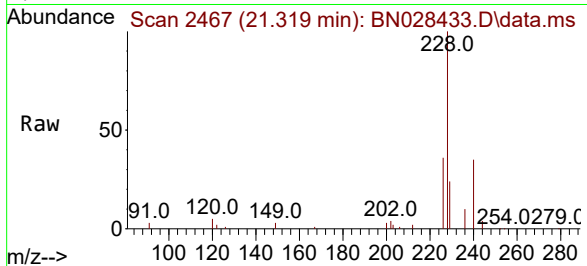




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.319 min Scan# 2467
Delta R.T. -0.008 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

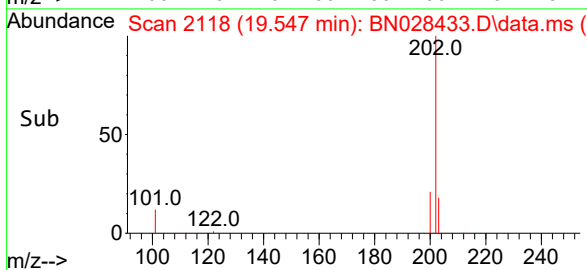
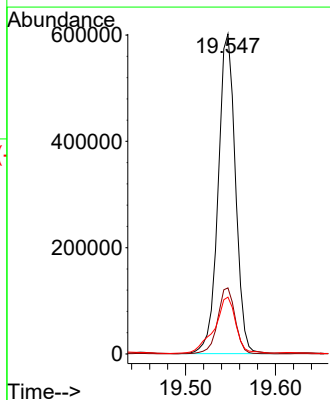
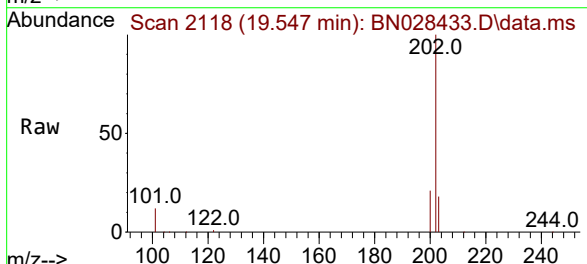
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

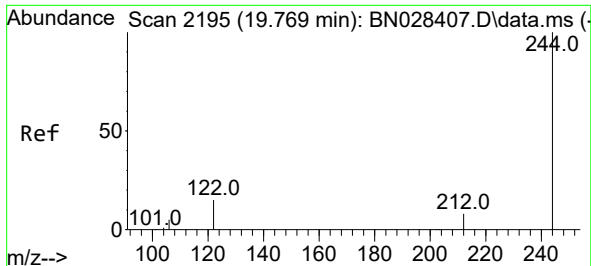
Tgt Ion:240 Resp: 35946
Ion Ratio Lower Upper
240 100
120 15.4 9.8 14.6#
236 28.8 22.2 33.2



#30
Pyrene
Concen: 5.333 ng
RT: 19.547 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:202 Resp: 799558
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 22.0 14.2 21.2#

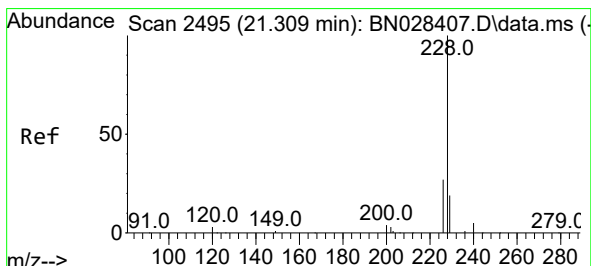
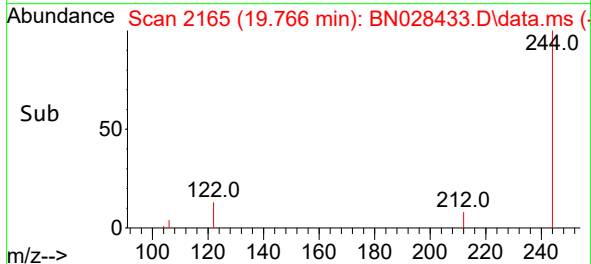
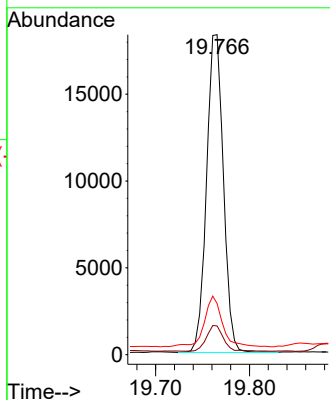
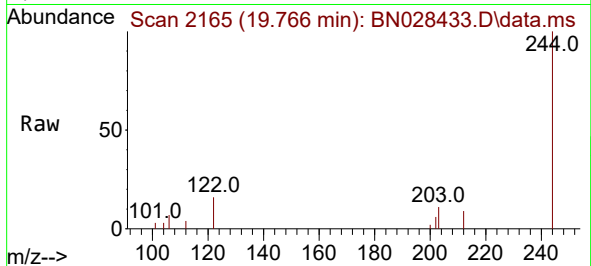




#31
Terphenyl-d14
Concen: 0.301 ng
RT: 19.766 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

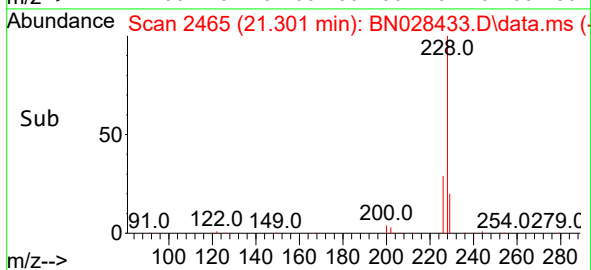
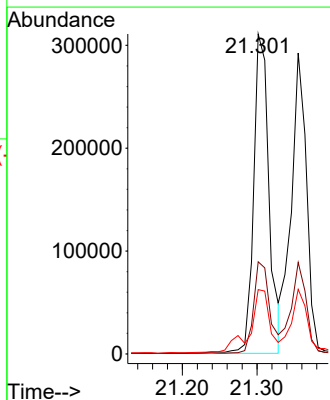
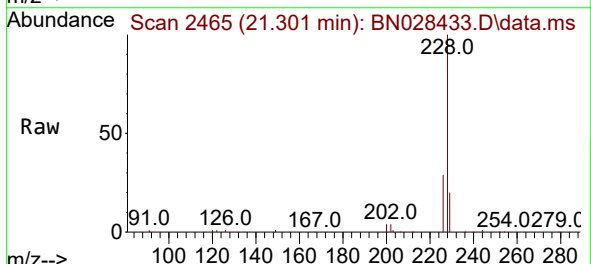
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

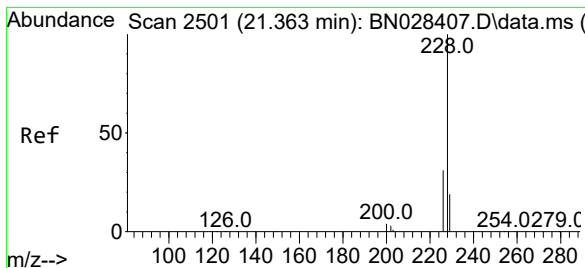
Tgt Ion:244 Resp: 22764
Ion Ratio Lower Upper
244 100
212 9.0 6.6 10.0
122 16.0 12.6 19.0



#32
Benzo(a)anthracene
Concen: 3.135 ng
RT: 21.301 min Scan# 2465
Delta R.T. -0.008 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:228 Resp: 447276
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 20.1 15.5 23.3





#33

Chrysene

Concen: 2.915 ng

RT: 21.355 min Scan# 2471

Delta R.T. -0.008 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

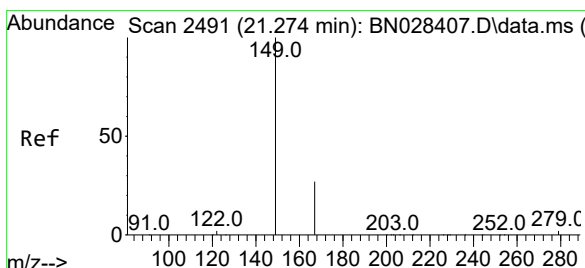
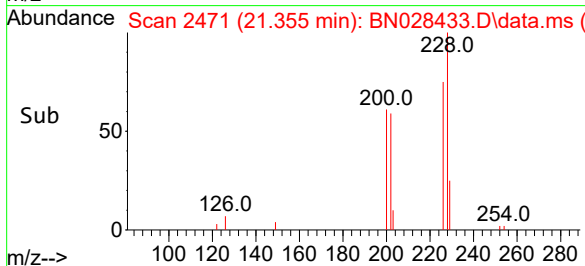
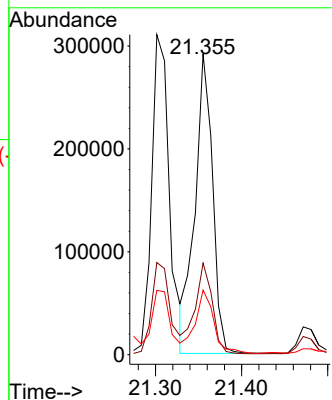
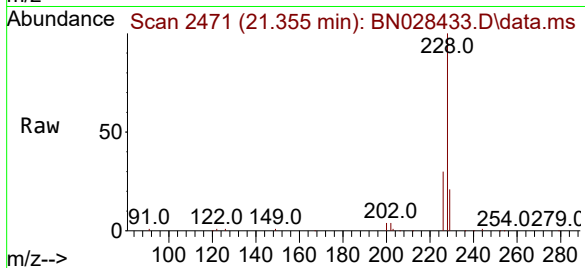
Tgt Ion:228 Resp: 414162

Ion Ratio Lower Upper

228 100

226 30.4 24.6 36.8

229 21.5 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 2.531 ng

RT: 21.266 min Scan# 2461

Delta R.T. -0.008 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

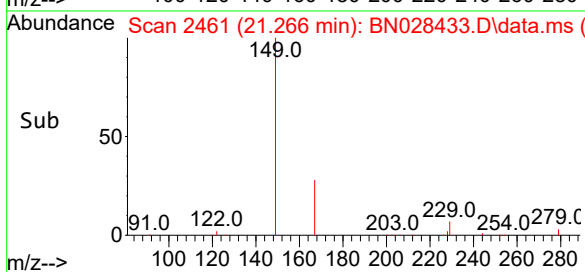
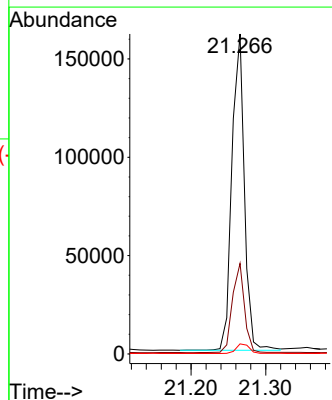
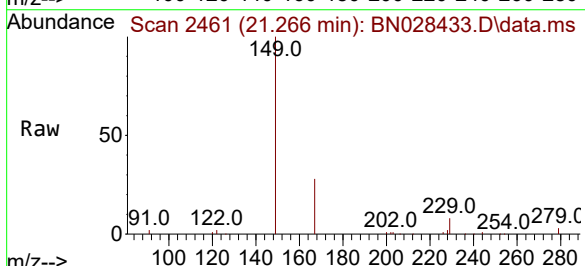
Tgt Ion:149 Resp: 186635

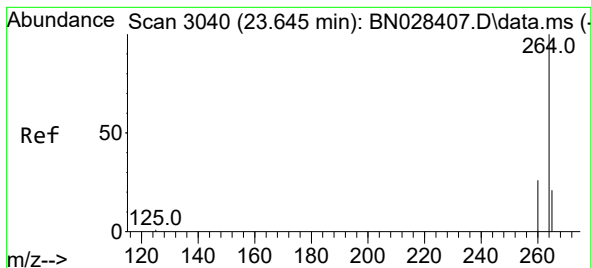
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 3.3 2.3 3.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.631 min Scan# 30

Delta R.T. -0.014 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

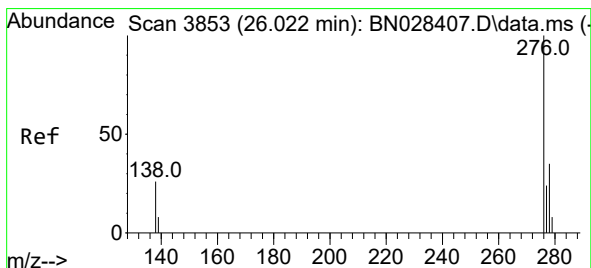
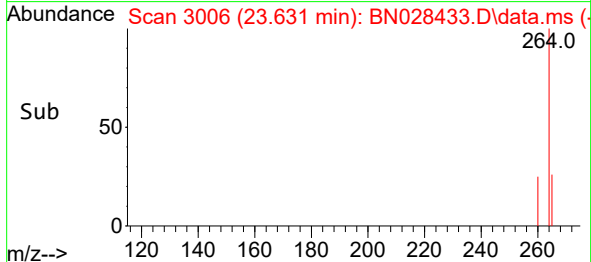
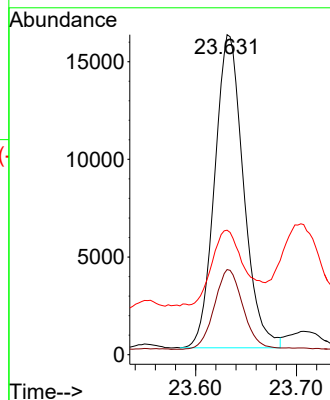
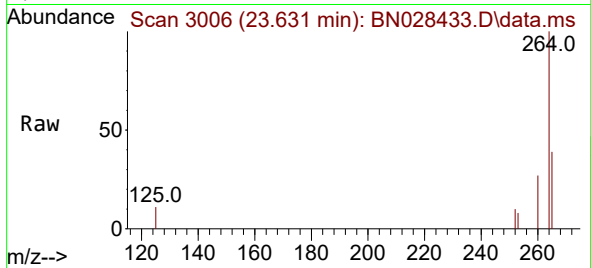
Tgt Ion:264 Resp: 31841

Ion Ratio Lower Upper

264 100

260 26.6 20.8 31.2

265 38.9 21.7 32.5#



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.778 ng

RT: 26.002 min Scan# 3817

Delta R.T. -0.020 min

Lab File: BN028433.D

Acq: 02 Nov 2023 22:10

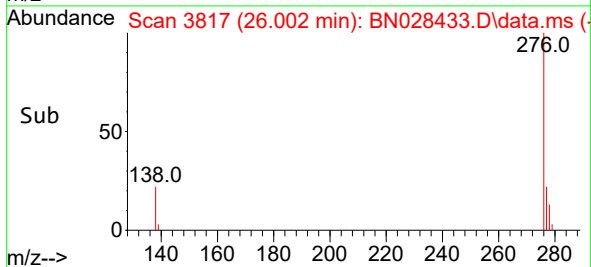
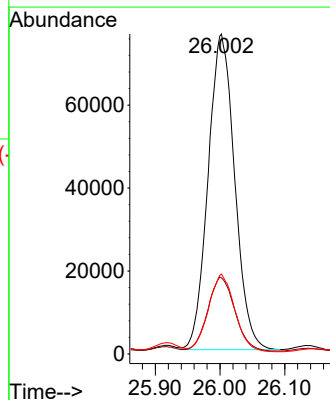
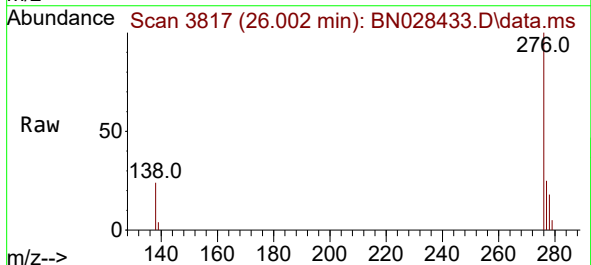
Tgt Ion:276 Resp: 217508

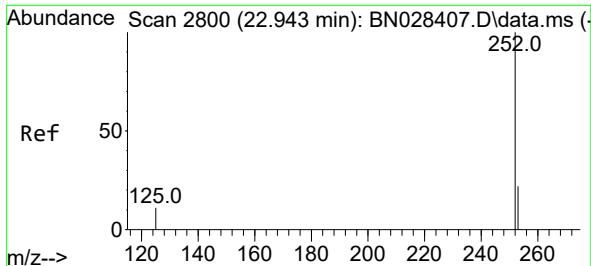
Ion Ratio Lower Upper

276 100

138 23.9 24.1 36.1#

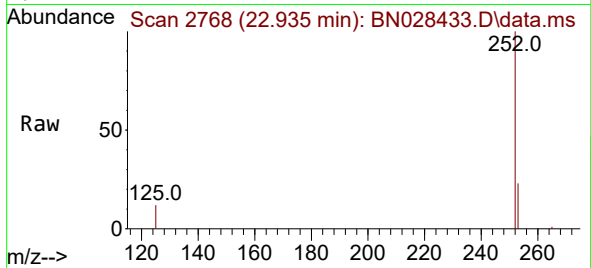
277 24.5 19.7 29.5



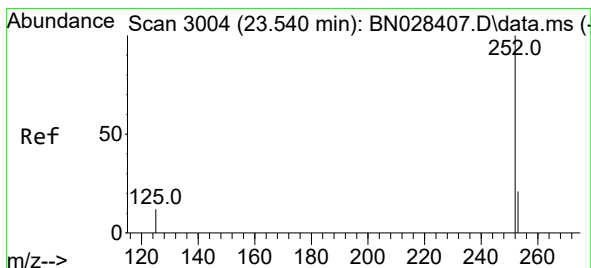
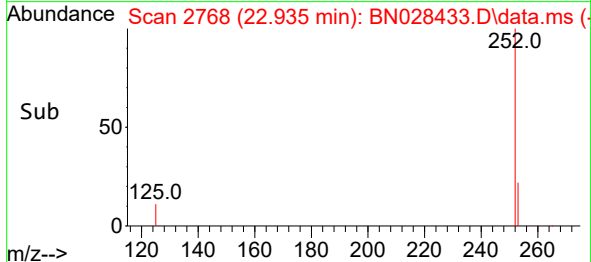
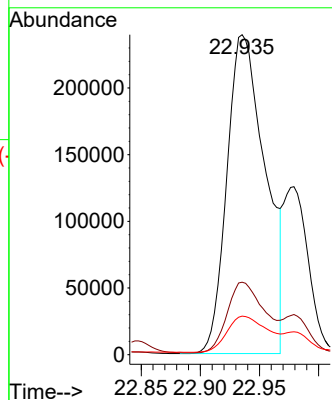


#37
Benzo(b)fluoranthene
Concen: 4.423 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

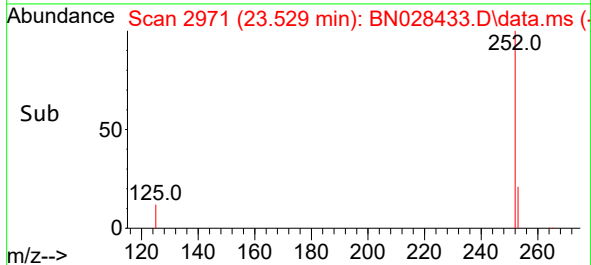
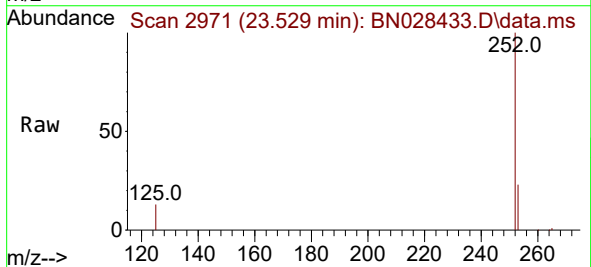
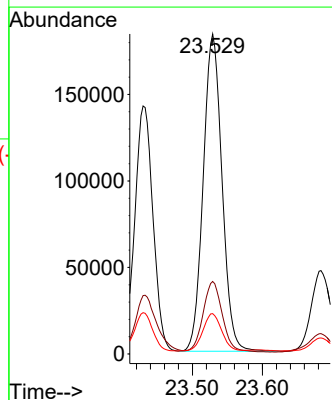


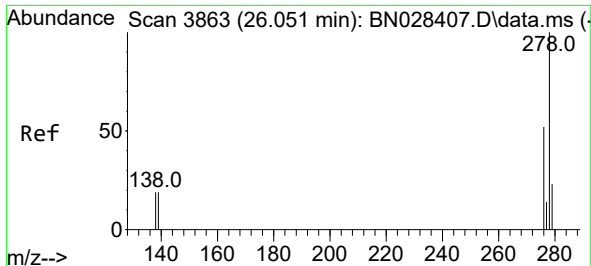
Tgt Ion:252 Resp: 540566
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 12.0 10.0 15.0



#39
Benzo(a)pyrene
Concen: 3.150 ng
RT: 23.529 min Scan# 2971
Delta R.T. -0.011 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:252 Resp: 341523
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 12.6 11.0 16.6

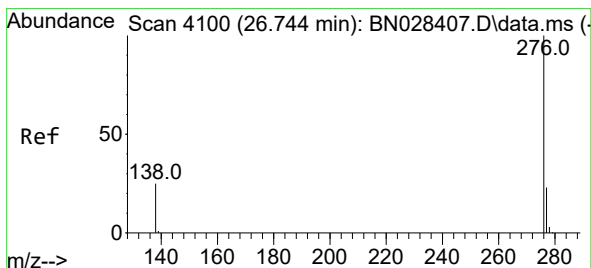
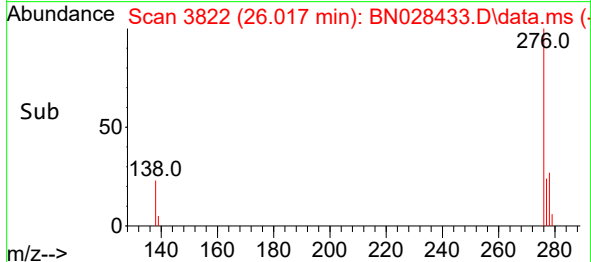
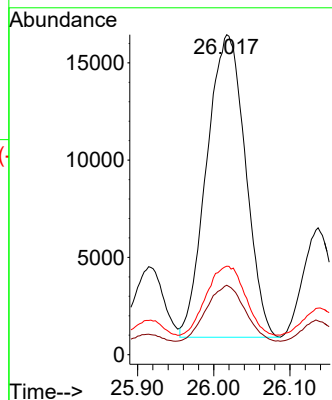
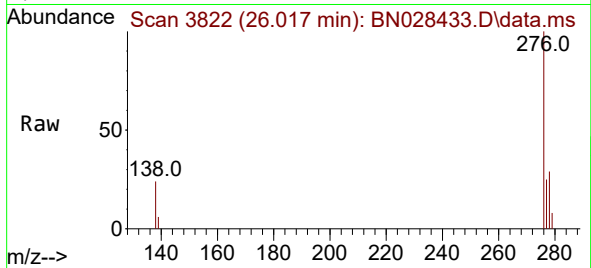




#40
Dibenzo(a,h)anthracene
Concen: 0.538 ng
RT: 26.017 min Scan# 31
Delta R.T. -0.034 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

Tgt Ion:278 Resp: 54783
Ion Ratio Lower Upper
278 100
139 21.7 15.8 23.8
279 27.7 19.7 29.5



#41
Benzo(g,h,i)perylene
Concen: 1.994 ng
RT: 26.730 min Scan# 4066
Delta R.T. -0.014 min
Lab File: BN028433.D
Acq: 02 Nov 2023 22:10

Tgt Ion:276 Resp: 217449
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 24.6 21.1 31.7

