

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110823\
 Data File : BN028509.D
 Acq On : 08 Nov 2023 21:31
 Operator : MA/JU
 Sample : 05196-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 08 23:30:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 00:27:19 2023
 Response via : Initial Calibration

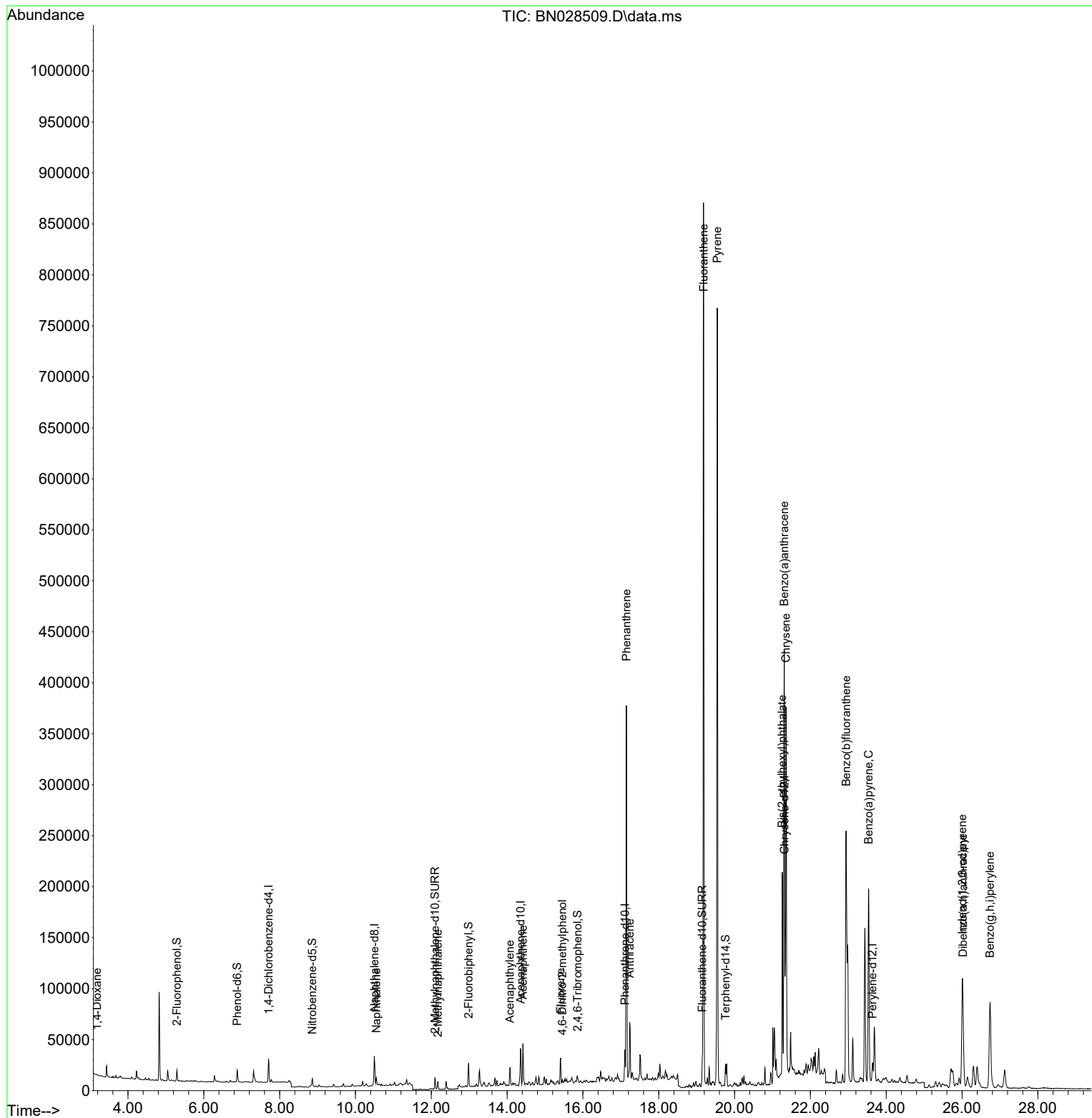
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	10500	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	33539	0.400	ng	#-0.01
13) Acenaphthene-d10	14.353	164	19543	0.400	ng	-0.01
19) Phenanthrene-d10	17.109	188	40638	0.400	ng	0.00
29) Chrysene-d12	21.320	240	29872	0.400	ng	# 0.00
35) Perylene-d12	23.637	264	25155	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	8315	0.265	ng	0.00
5) Phenol-d6	6.879	99	10798	0.268	ng	0.00
8) Nitrobenzene-d5	8.865	82	7009	0.234	ng	0.00
11) 2-Methylnaphthalene-d10	12.098	152	14967	0.257	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	2172	0.198	ng	0.00
15) 2-Fluorobiphenyl	12.985	172	20005	0.233	ng	0.00
27) Fluoranthene-d10	19.148	212	30344	0.244	ng	0.00
31) Terphenyl-d14	19.761	244	19886	0.250	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.182	88	271	0.021	ng	# 1
9) Naphthalene	10.552	128	10001	0.096	ng	96
12) 2-Methylnaphthalene	12.170	142	5204	0.073	ng	# 94
16) Acenaphthylene	14.075	152	18222	0.177	ng	97
17) Acenaphthene	14.418	154	18651	0.272	ng	99
18) Fluorene	15.412	166	16077	0.166	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.455	198	53	0.185	ng	# 1
25) Phenanthrene	17.146	178	350446	2.600	ng	100
26) Anthracene	17.233	178	65069	0.527	ng	# 94
28) Fluoranthene	19.181	202	764213	4.730	ng	99
30) Pyrene	19.543	202	691198	4.859	ng	# 95
32) Benzo(a)anthracene	21.311	228	367016	2.940	ng	98
33) Chrysene	21.356	228	344085	2.760	ng	97
34) Bis(2-ethylhexyl)phtha...	21.257	149	180827	2.341	ng	99
36) Indeno(1,2,3-cd)pyrene	26.009	276	175735	1.732	ng	97
37) Benzo(b)fluoranthene	22.942	252	418182	4.034	ng	97
39) Benzo(a)pyrene	23.535	252	269190	3.039	ng	96
40) Dibenzo(a,h)anthracene	26.026	278	44013	0.556	ng	96
41) Benzo(g,h,i)perylene	26.737	276	176137	2.010	ng	100

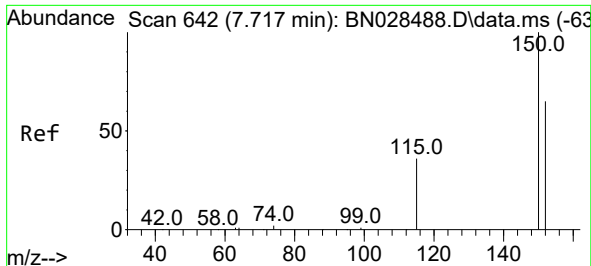
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110823\
Data File : BN028509.D
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PE-7-SOUTHSIDE-BASE

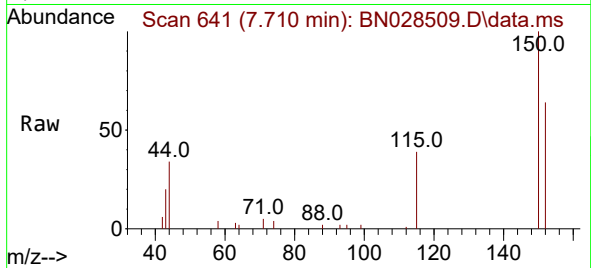
Quant Time: Nov 08 23:30:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
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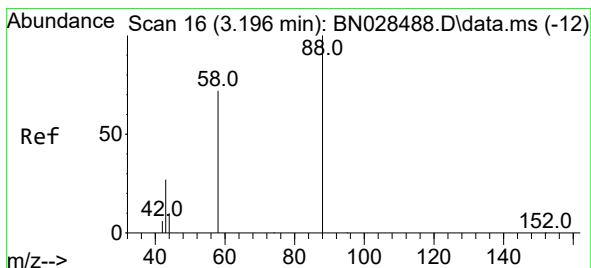
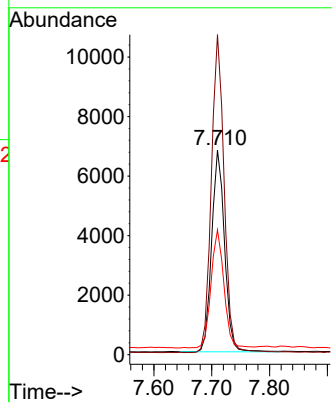
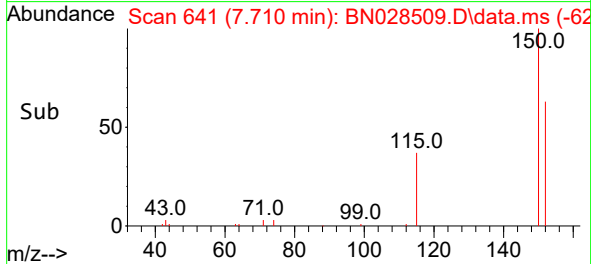


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

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

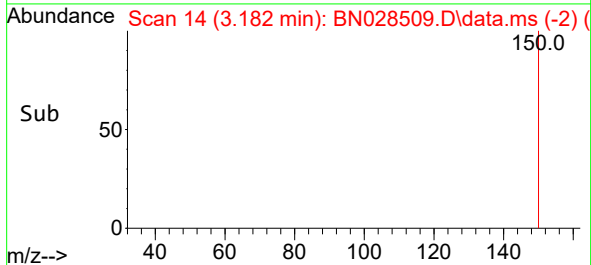
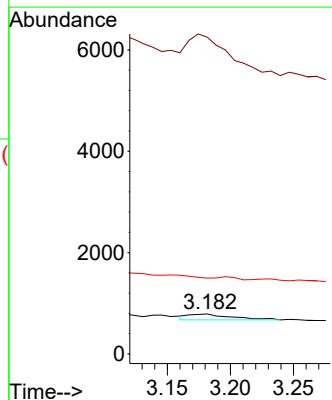
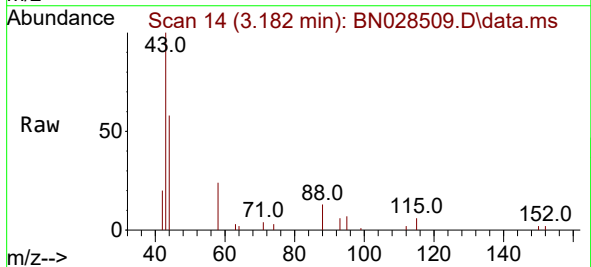


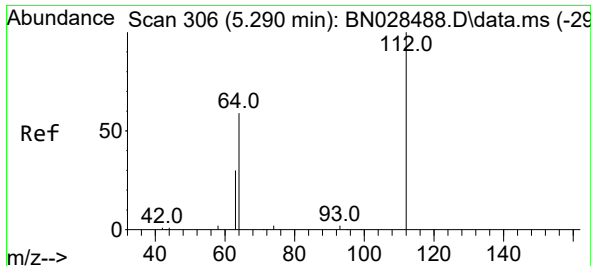
Tgt Ion:152 Resp: 10500
 Ion Ratio Lower Upper
 152 100
 150 156.4 122.5 183.7
 115 61.0 47.5 71.3



#2
 1,4-Dioxane
 Concen: 0.021 ng
 RT: 3.182 min Scan# 14
 Delta R.T. -0.014 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

Tgt Ion: 88 Resp: 271
 Ion Ratio Lower Upper
 88 100
 43 676.8 29.0 43.4#
 58 0.0 60.2 90.2#

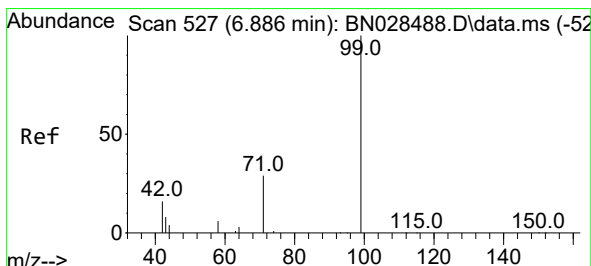
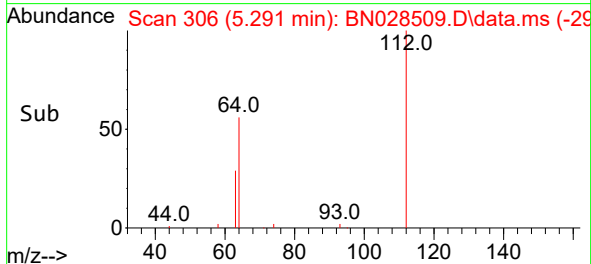
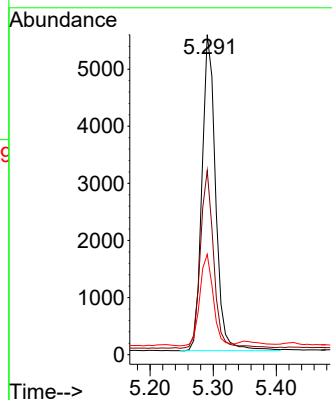
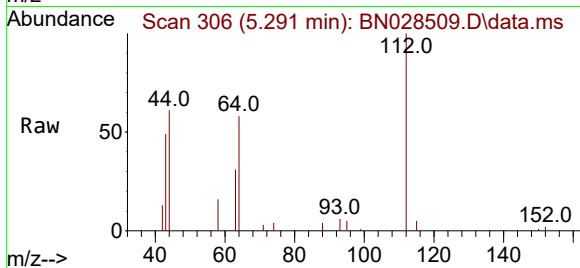




#4
2-Fluorophenol
Concen: 0.265 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

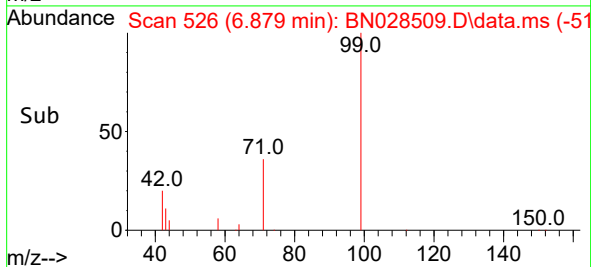
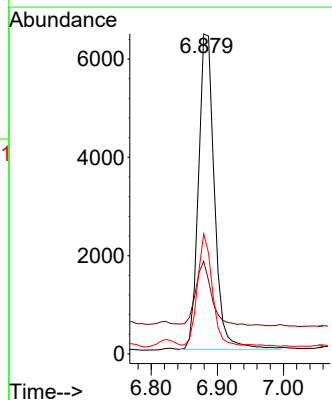
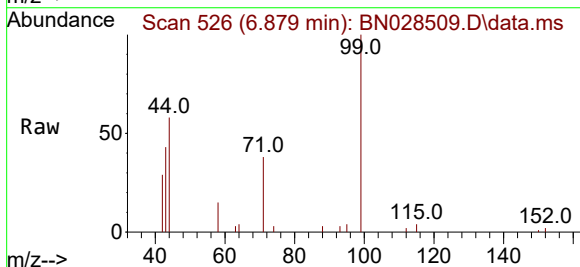
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

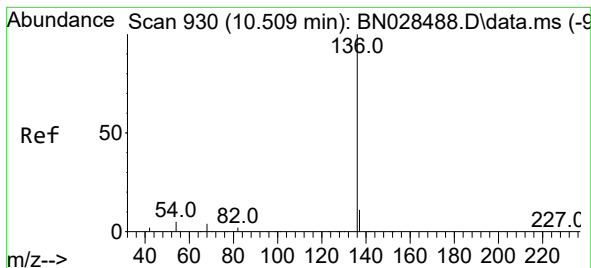
Tgt Ion:112 Resp: 8315
Ion Ratio Lower Upper
112 100
64 55.6 44.6 67.0
63 28.6 23.3 34.9



#5
Phenol-d6
Concen: 0.268 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.007 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion: 99 Resp: 10798
Ion Ratio Lower Upper
99 100
42 20.5 15.8 23.8
71 32.5 25.1 37.7





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.498 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

Tgt Ion:136 Resp: 33539

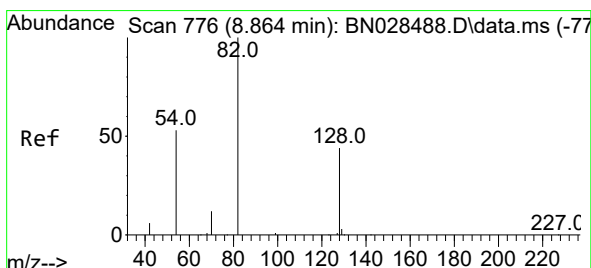
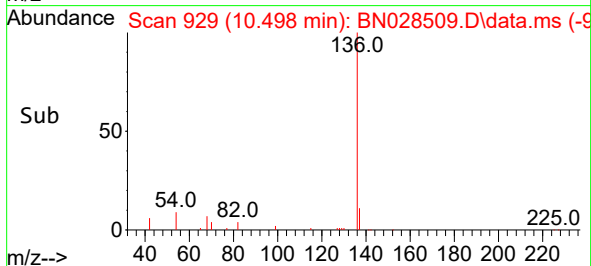
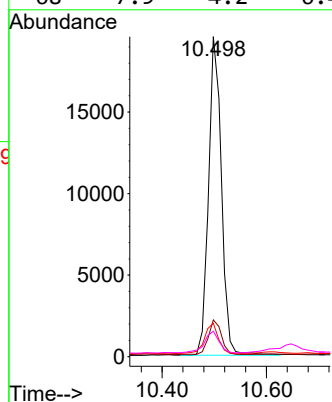
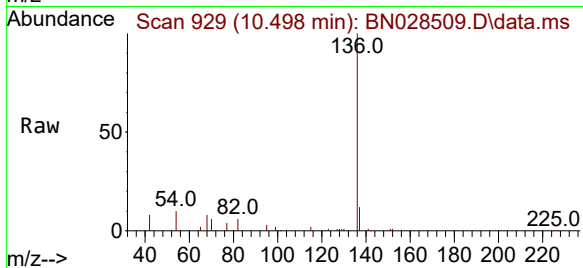
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 10.4 5.1 7.7#

68 7.9 4.2 6.4#



#8

Nitrobenzene-d5

Concen: 0.234 ng

RT: 8.865 min Scan# 776

Delta R.T. 0.000 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

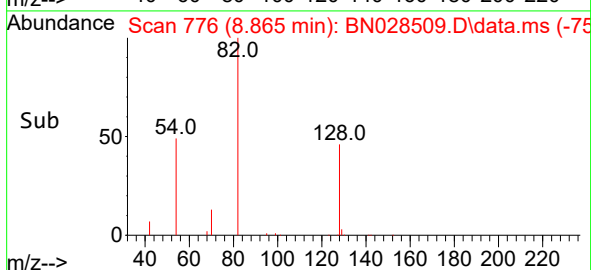
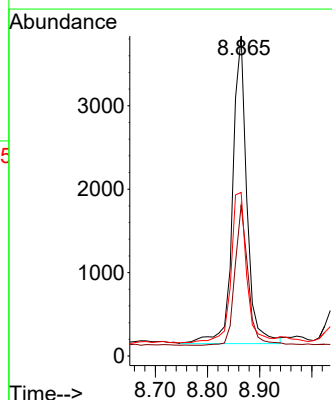
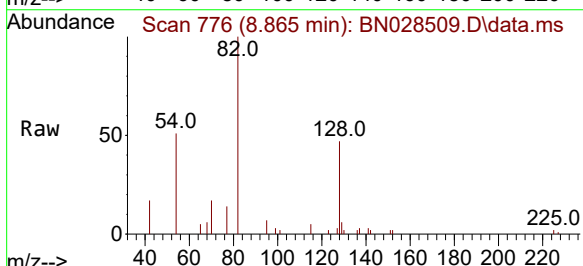
Tgt Ion: 82 Resp: 7009

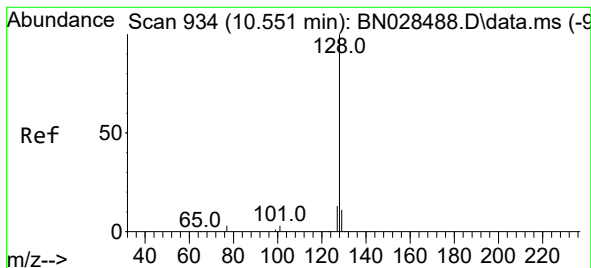
Ion Ratio Lower Upper

82 100

128 47.1 36.5 54.7

54 51.1 43.8 65.8





#9

Naphthalene

Concen: 0.096 ng

RT: 10.552 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

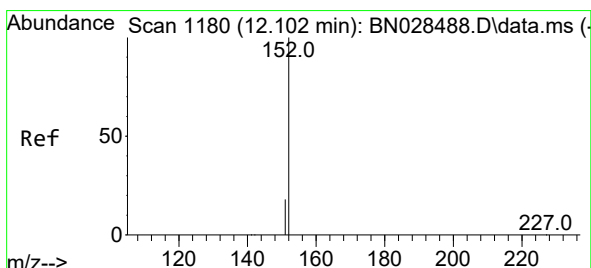
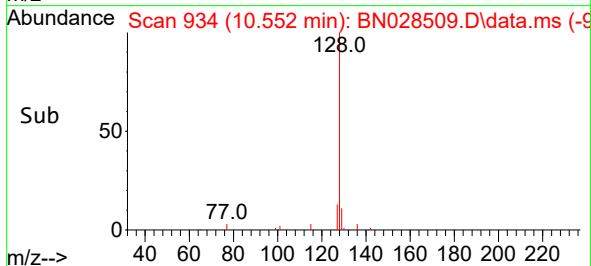
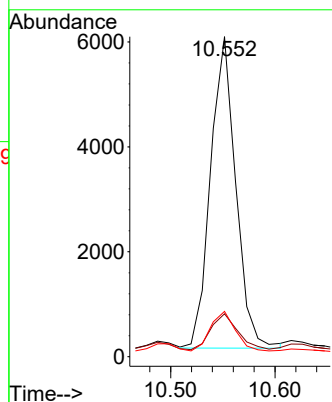
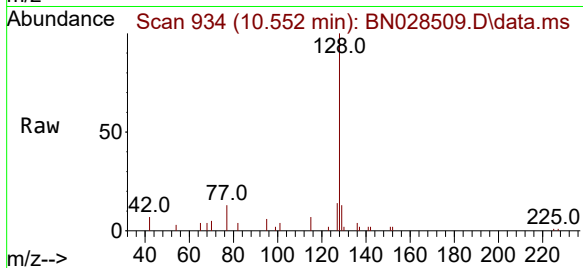
Tgt Ion:128 Resp: 10001

Ion Ratio Lower Upper

128 100

129 13.4 9.1 13.7

127 14.1 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.257 ng

RT: 12.098 min Scan# 1179

Delta R.T. -0.004 min

Lab File: BN028509.D

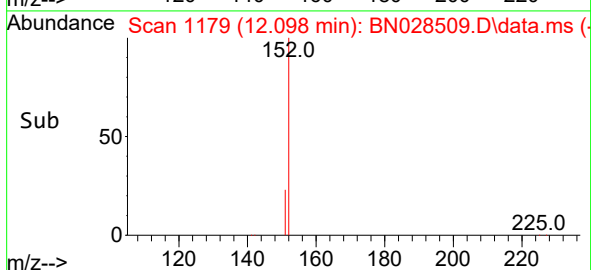
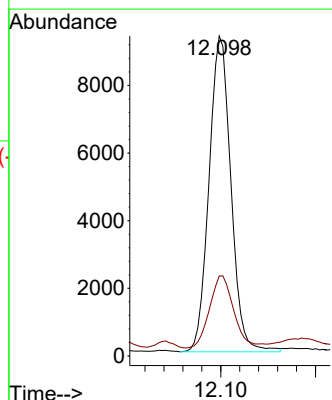
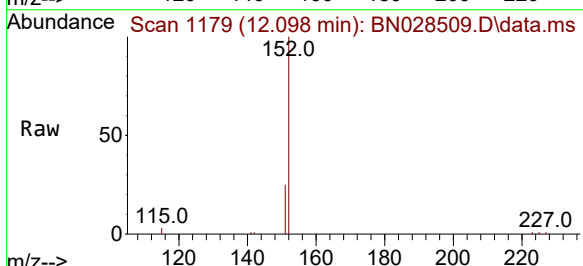
Acq: 08 Nov 2023 21:31

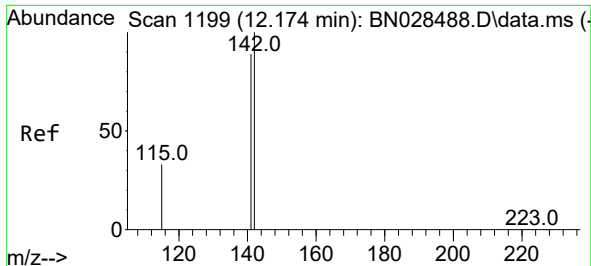
Tgt Ion:152 Resp: 14967

Ion Ratio Lower Upper

152 100

151 25.6 16.1 24.1#

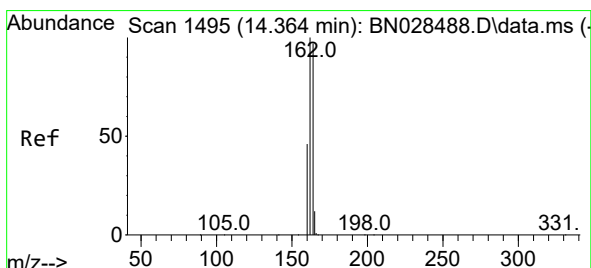
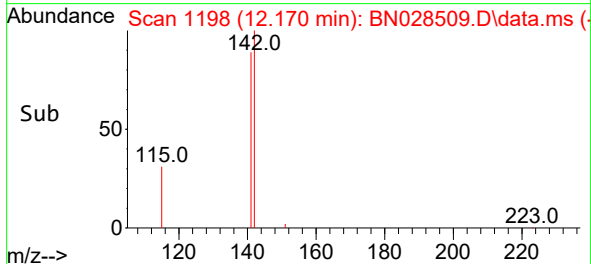
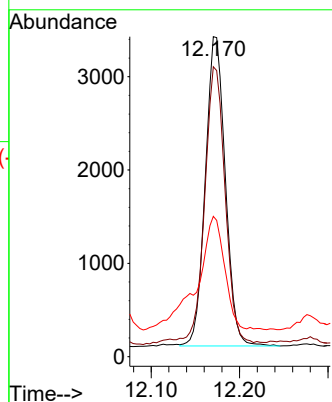
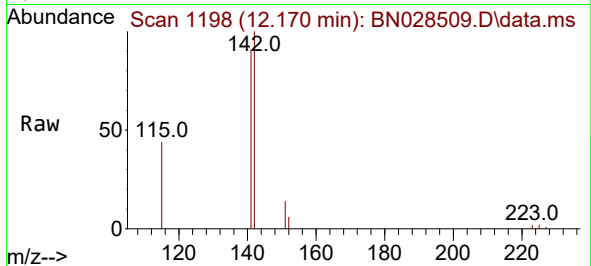




#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 12.170 min Scan# 1199
Delta R.T. -0.004 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

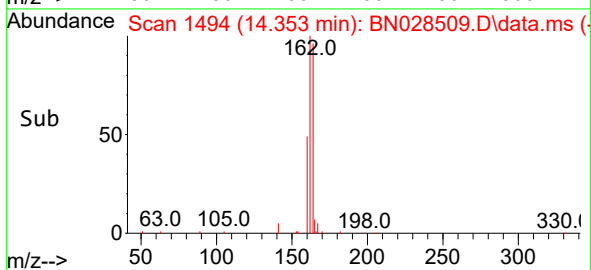
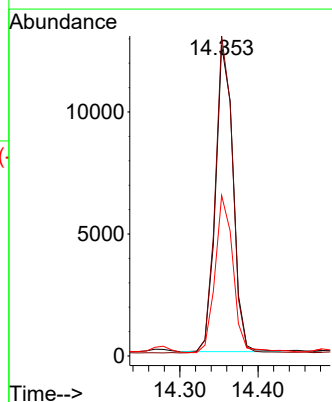
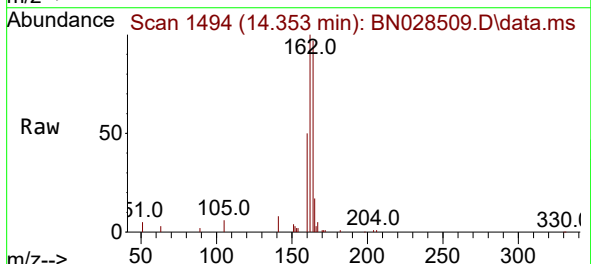
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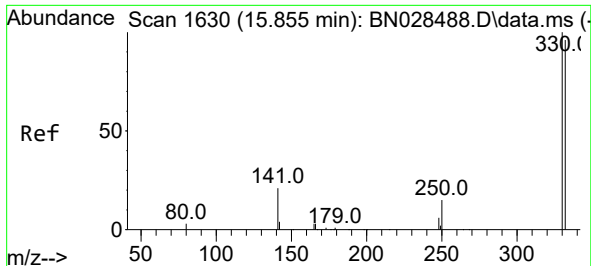
Tgt Ion:142 Resp: 5204
Ion Ratio Lower Upper
142 100
141 90.6 71.3 106.9
115 43.8 27.6 41.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.353 min Scan# 1494
Delta R.T. -0.011 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:164 Resp: 19543
Ion Ratio Lower Upper
164 100
162 103.0 82.5 123.7
160 51.7 38.1 57.1

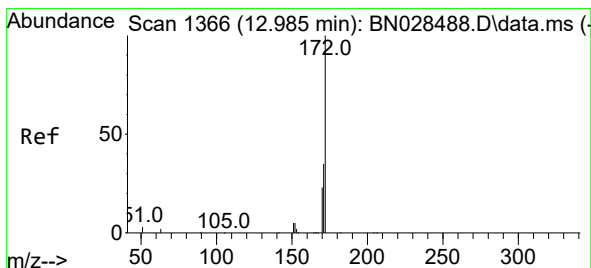
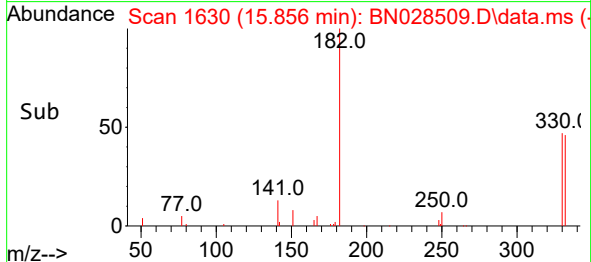
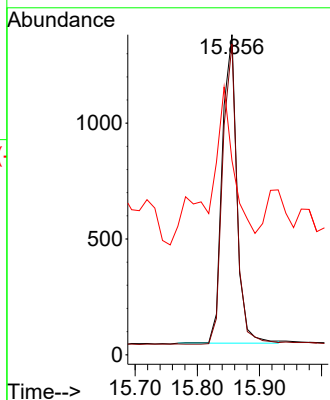
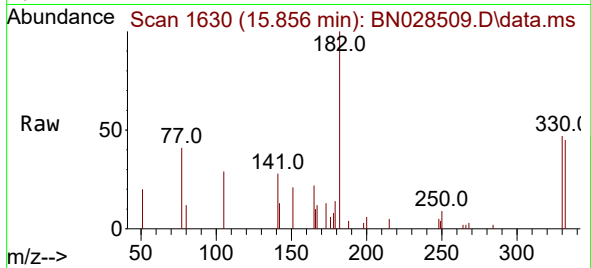




#14
 2,4,6-Tribromophenol
 Concen: 0.198 ng
 RT: 15.856 min Scan# 1630
 Delta R.T. 0.000 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

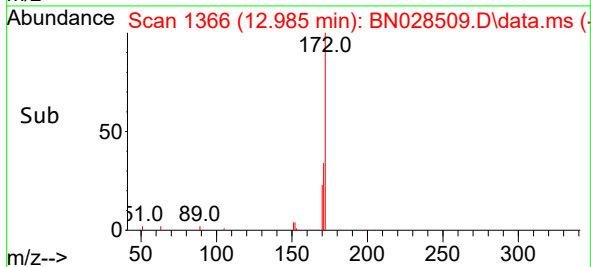
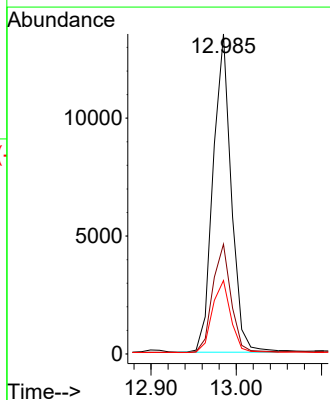
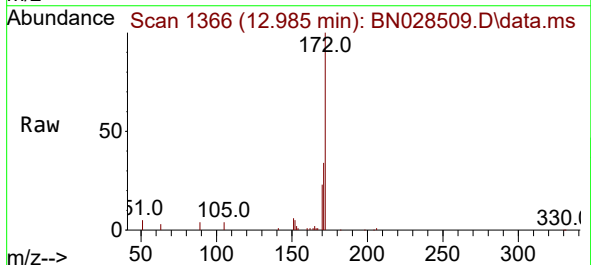
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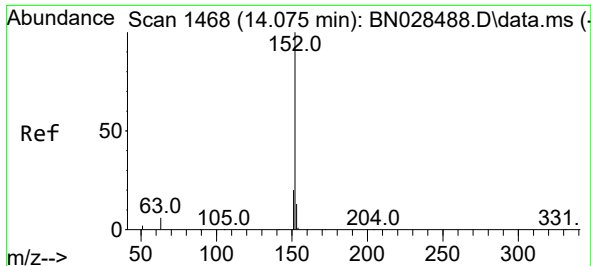
Tgt Ion: 330 Resp: 2172
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.4
 141 66.9 32.6 49.0#



#15
 2-Fluorobiphenyl
 Concen: 0.233 ng
 RT: 12.985 min Scan# 1366
 Delta R.T. 0.000 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

Tgt Ion: 172 Resp: 20005
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.9 41.9
 170 23.0 18.9 28.3

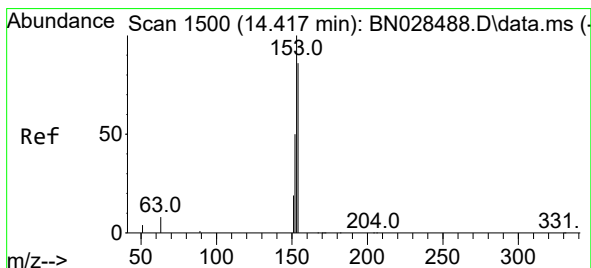
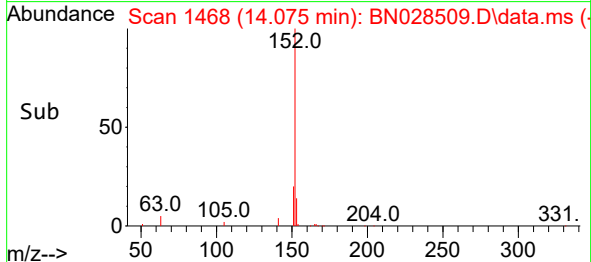
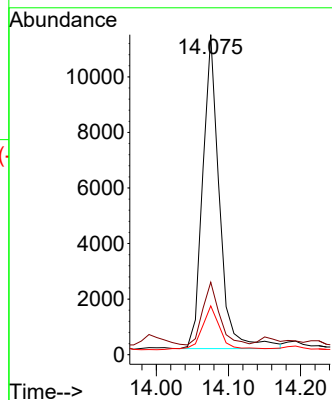
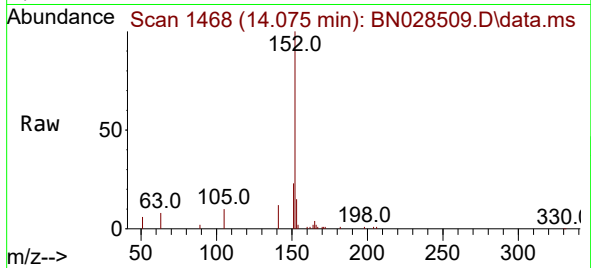




#16
Acenaphthylene
Concen: 0.177 ng
RT: 14.075 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

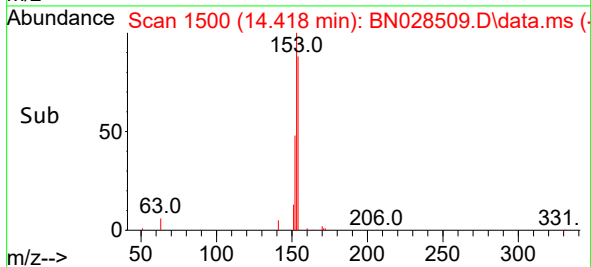
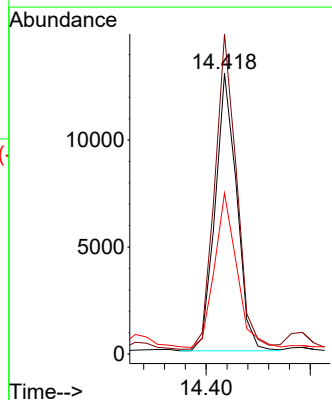
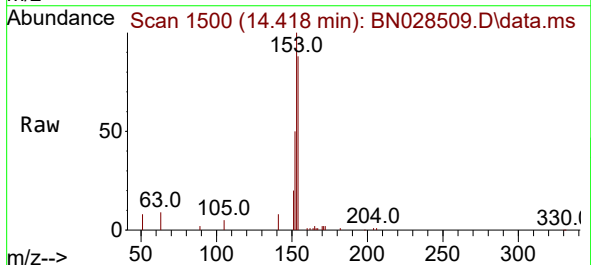
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ClientSampleId :
PE-7-SOUTHSIDE-BASE

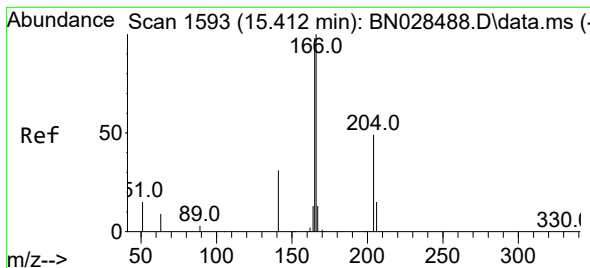
Tgt Ion:152 Resp: 18222
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0
153 15.1 10.5 15.7



#17
Acenaphthene
Concen: 0.272 ng
RT: 14.418 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:154 Resp: 18651
Ion Ratio Lower Upper
154 100
153 114.9 92.0 138.0
152 58.5 45.4 68.0





#18

Fluorene

Concen: 0.166 ng

RT: 15.412 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

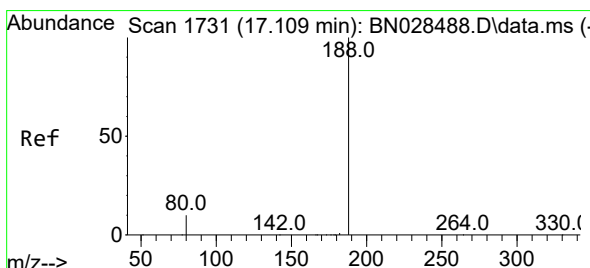
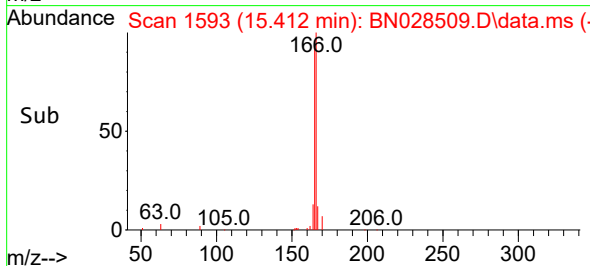
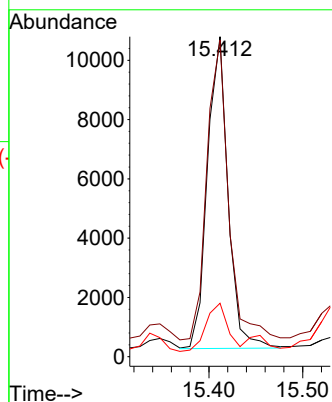
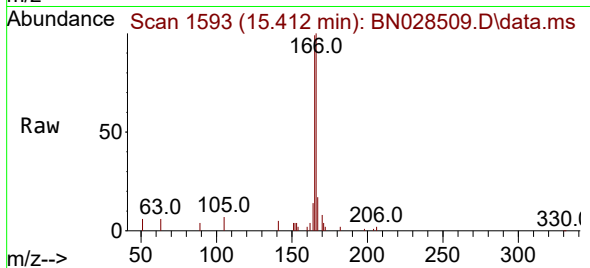
Tgt Ion:166 Resp: 16077

Ion Ratio Lower Upper

166 100

165 100.5 78.5 117.7

167 16.2 10.6 16.0#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.109 min Scan# 1731

Delta R.T. 0.000 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

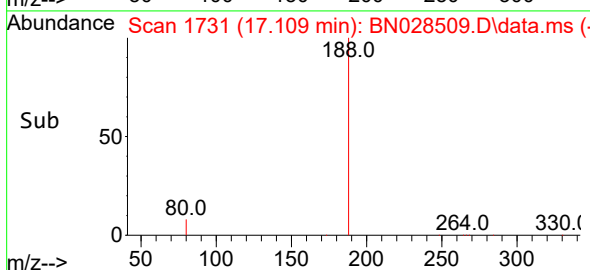
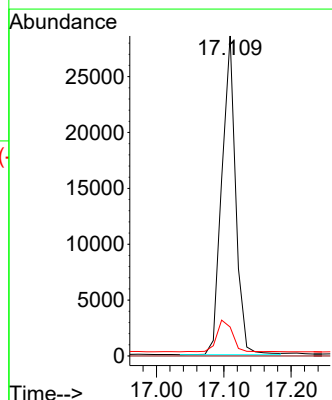
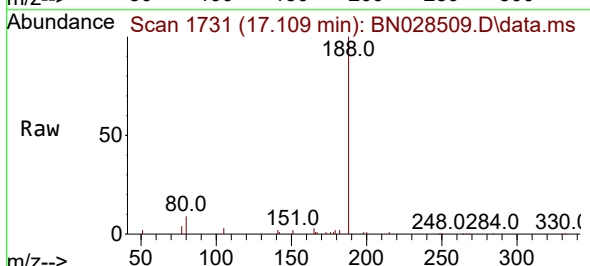
Tgt Ion:188 Resp: 40638

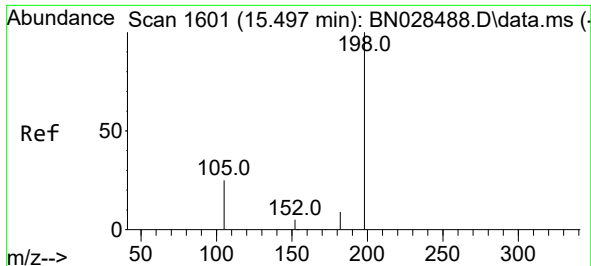
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 8.3 12.5

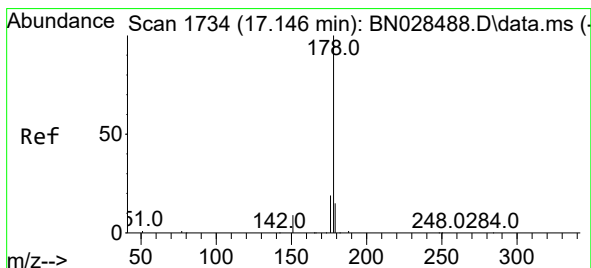
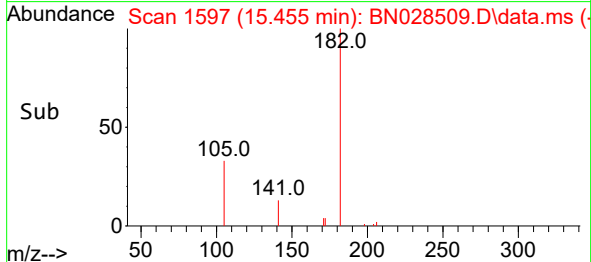
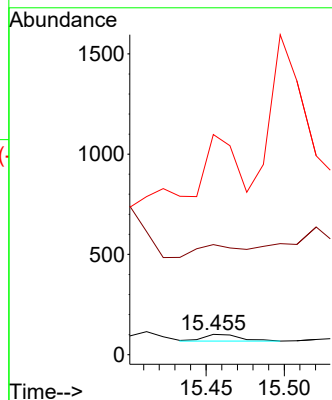
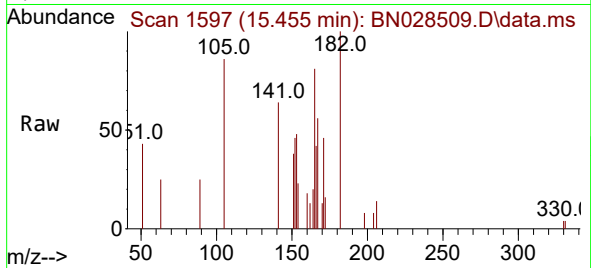




#20
4,6-Dinitro-2-methylphenol
Concen: 0.185 ng
RT: 15.455 min Scan# 1597
Delta R.T. -0.042 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

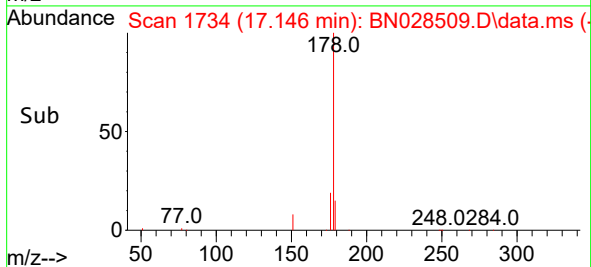
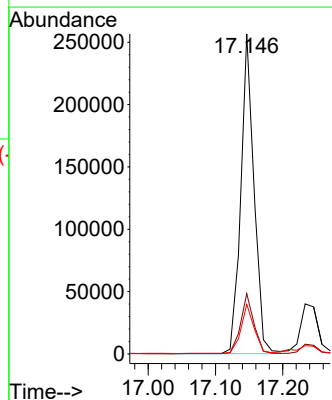
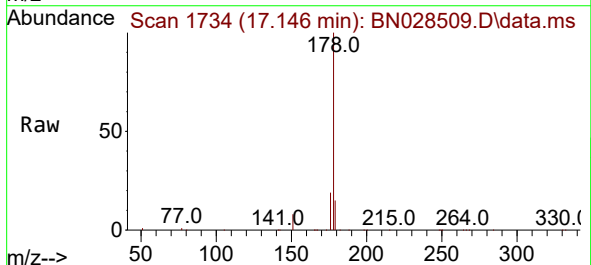
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

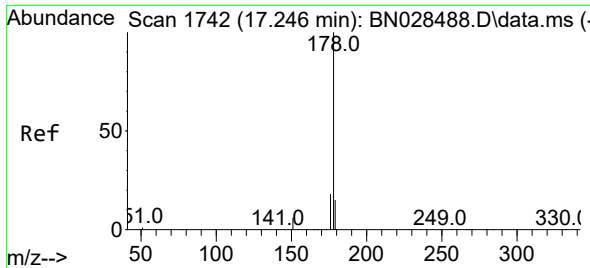
Tgt Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 543.6 42.1 63.1#
105 1087.1 32.6 48.8#



#25
Phenanthrene
Concen: 2.600 ng
RT: 17.146 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:178 Resp: 350446
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.5 18.7

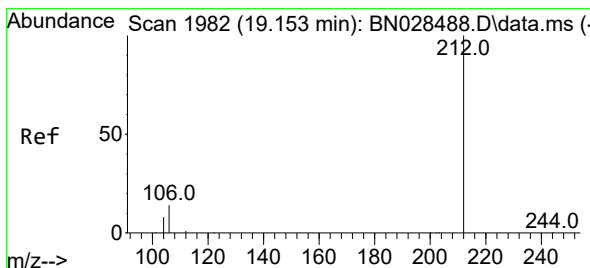
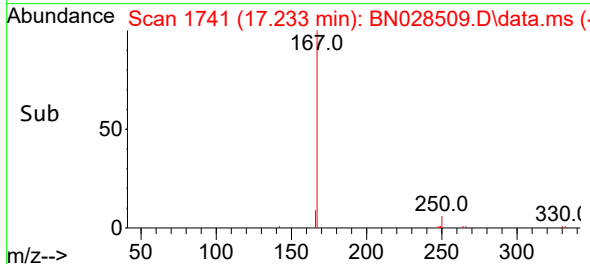
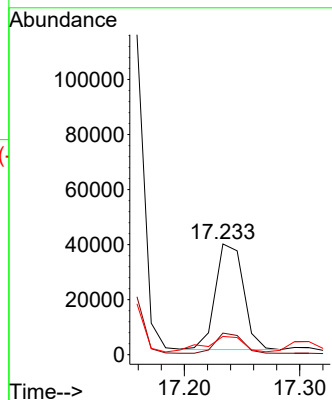
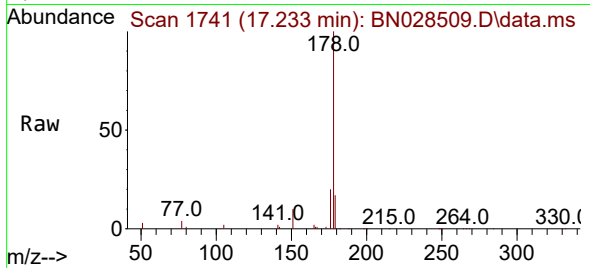




#26
 Anthracene
 Concen: 0.527 ng
 RT: 17.233 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

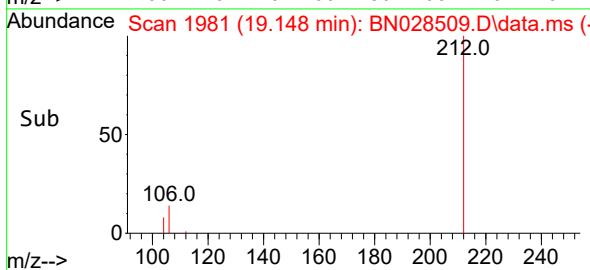
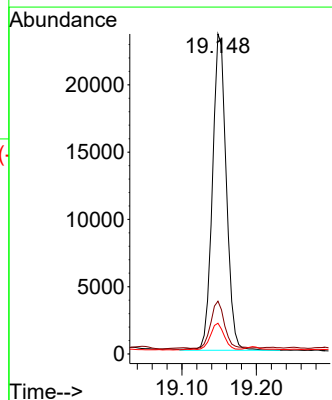
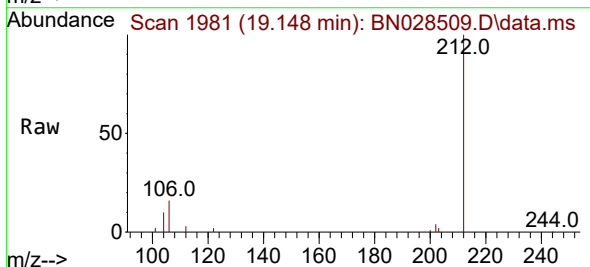
Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASE

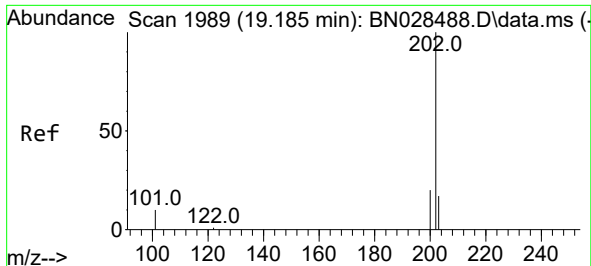
Tgt Ion:178 Resp: 65069
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.8 22.2
 179 19.4 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.244 ng
 RT: 19.148 min Scan# 1981
 Delta R.T. -0.005 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

Tgt Ion:212 Resp: 30344
 Ion Ratio Lower Upper
 212 100
 106 14.8 11.5 17.3
 104 8.6 6.4 9.6

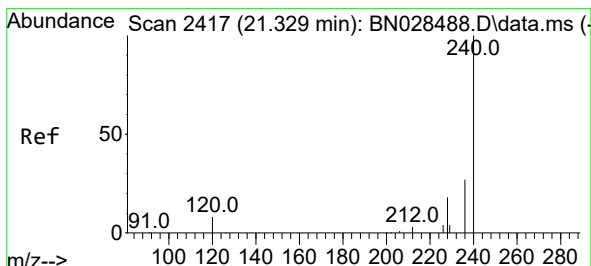
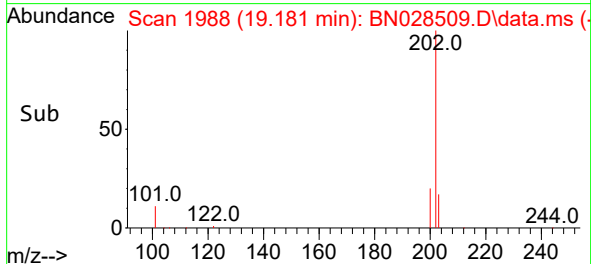
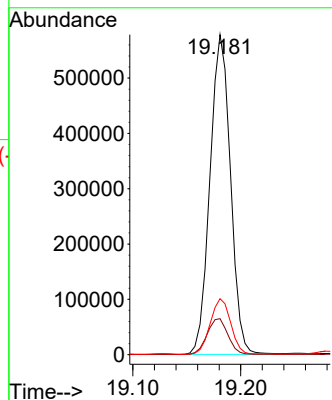
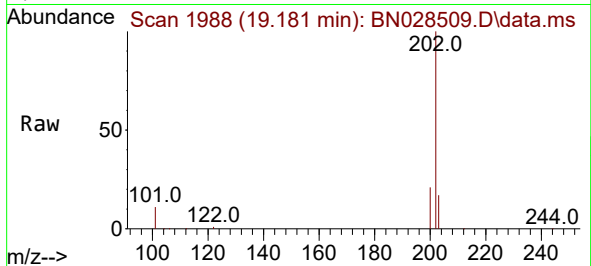




#28
Fluoranthene
Concen: 4.730 ng
RT: 19.181 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

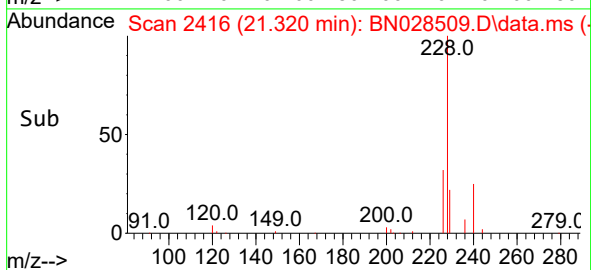
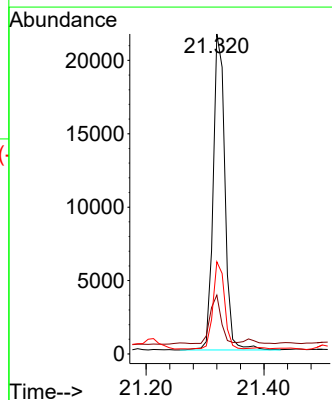
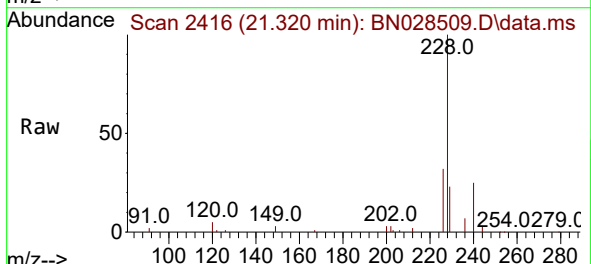
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

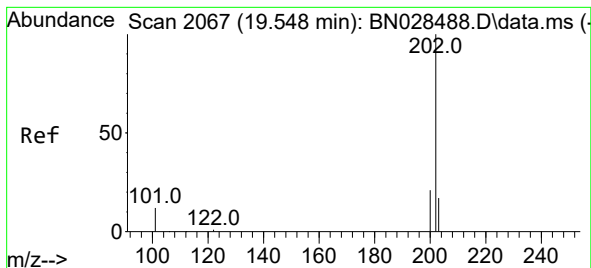
Tgt Ion:202 Resp: 764213
Ion Ratio Lower Upper
202 100
101 11.4 9.1 13.7
203 17.5 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.320 min Scan# 2416
Delta R.T. -0.009 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:240 Resp: 29872
Ion Ratio Lower Upper
240 100
120 18.4 7.6 11.4#
236 28.8 21.9 32.9





#30

Pyrene

Concen: 4.859 ng

RT: 19.543 min Scan# 2066

Delta R.T. -0.005 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASE

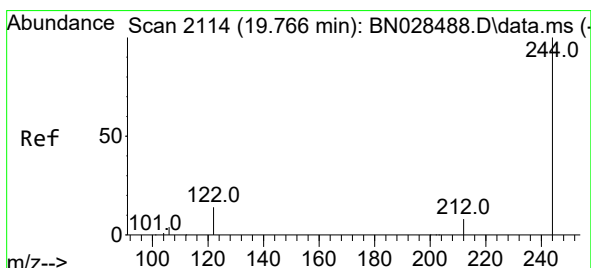
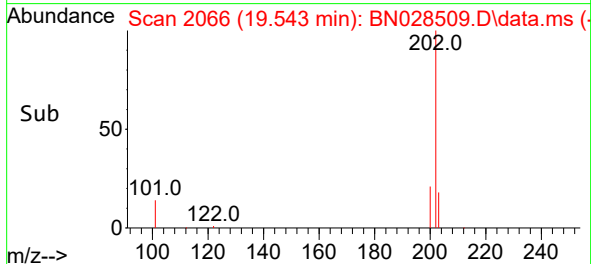
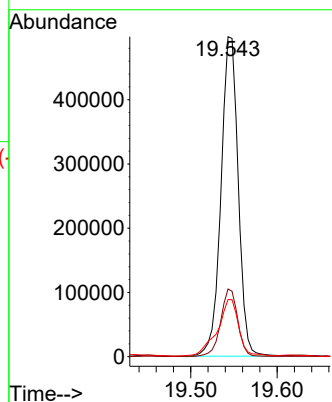
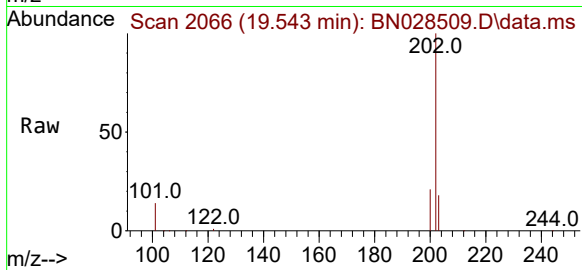
Tgt Ion:202 Resp: 691198

Ion Ratio Lower Upper

202 100

200 21.0 16.5 24.7

203 21.9 14.3 21.5#



#31

Terphenyl-d14

Concen: 0.250 ng

RT: 19.761 min Scan# 2113

Delta R.T. -0.005 min

Lab File: BN028509.D

Acq: 08 Nov 2023 21:31

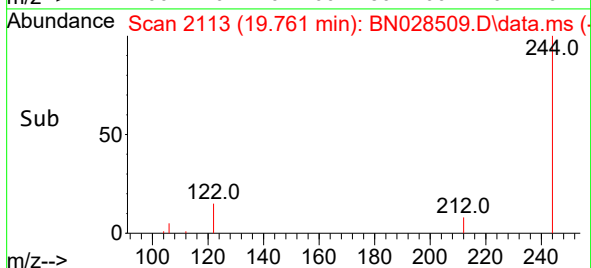
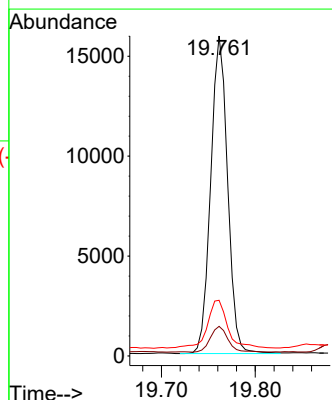
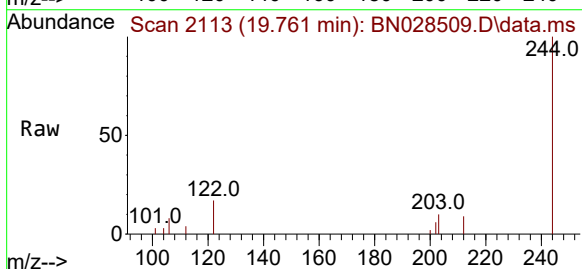
Tgt Ion:244 Resp: 19886

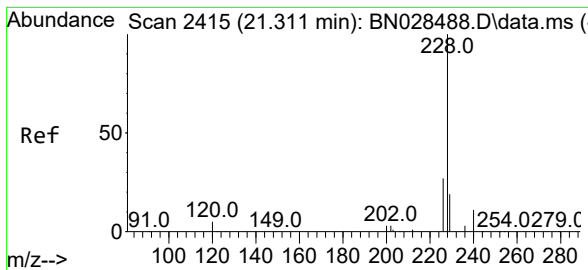
Ion Ratio Lower Upper

244 100

212 9.3 6.6 9.8

122 17.4 11.4 17.2#

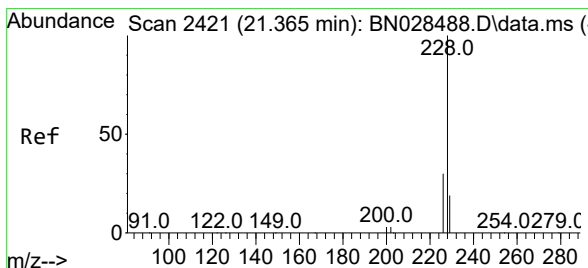
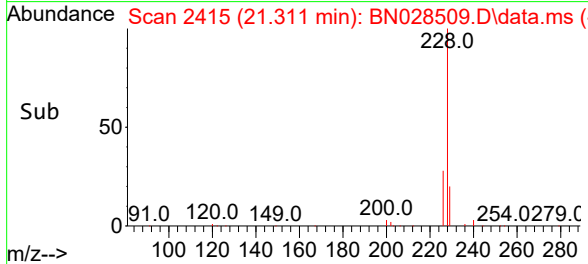
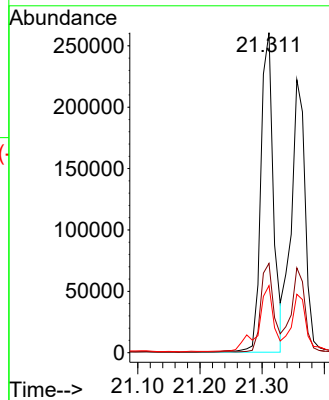
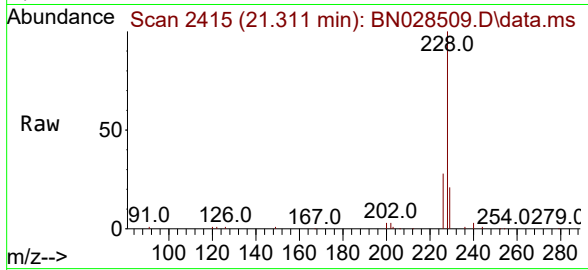




#32
Benzo(a)anthracene
Concen: 2.940 ng
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

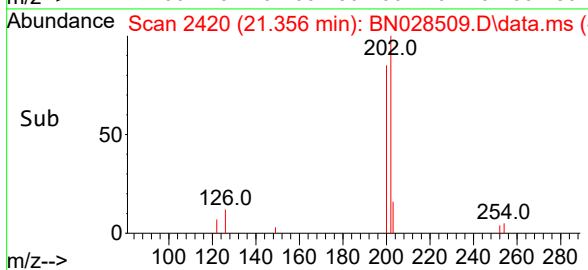
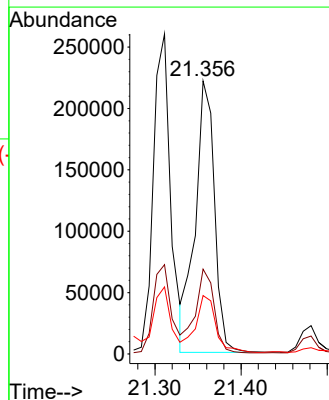
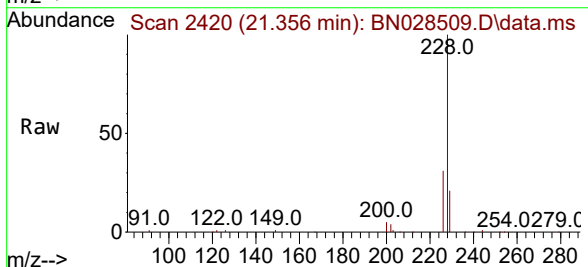
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

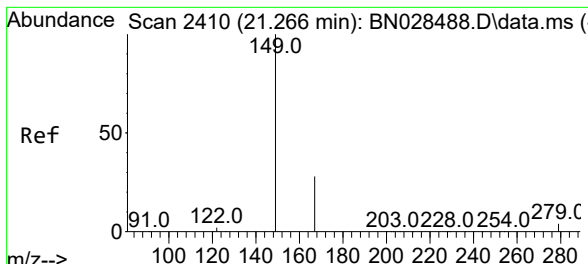
Tgt Ion:228 Resp: 367016
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.2
229 20.9 15.7 23.5



#33
Chrysene
Concen: 2.760 ng
RT: 21.356 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:228 Resp: 344085
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 21.4 15.7 23.5

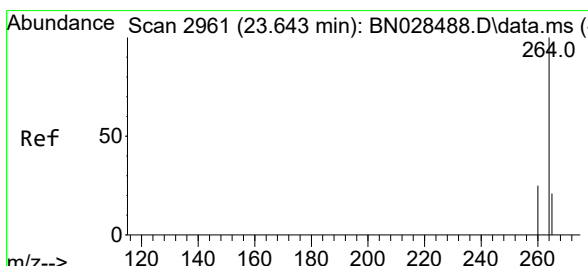
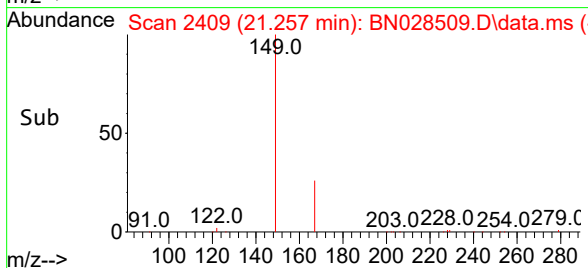
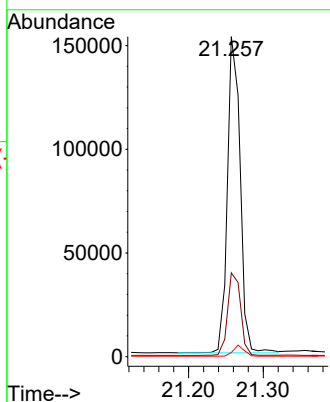
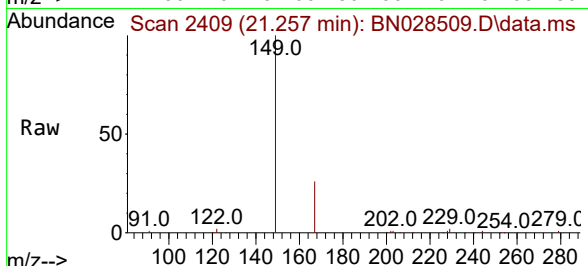




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.341 ng
 RT: 21.257 min Scan# 2410
 Delta R.T. -0.009 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

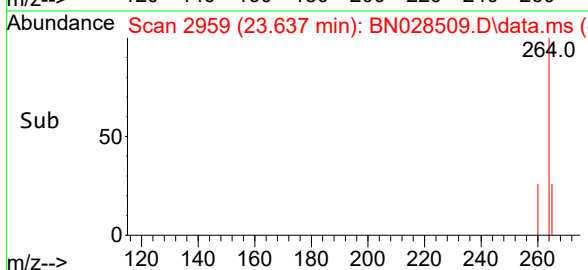
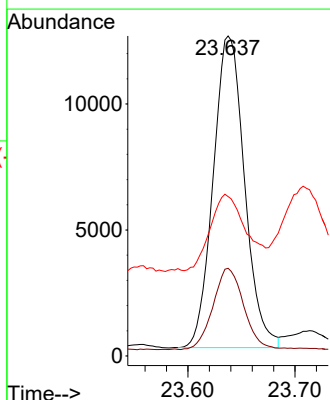
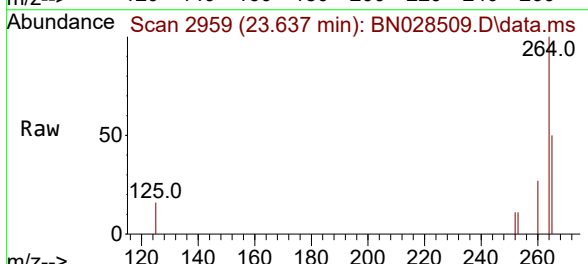
Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASE

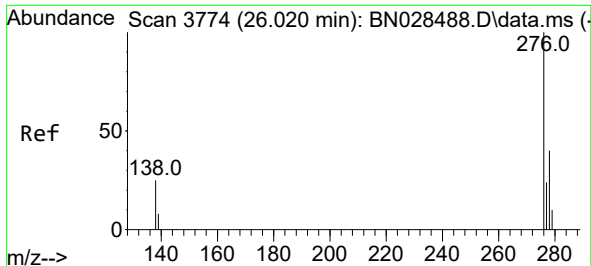
Tgt Ion:149	Resp: 180827
Ion Ratio	Lower Upper
149 100	
167 26.7	21.0 31.4
279 3.1	2.6 3.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.637 min Scan# 2959
 Delta R.T. -0.006 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

Tgt Ion:264	Resp: 25155
Ion Ratio	Lower Upper
264 100	
260 27.4	20.7 31.1
265 49.8	31.6 47.4

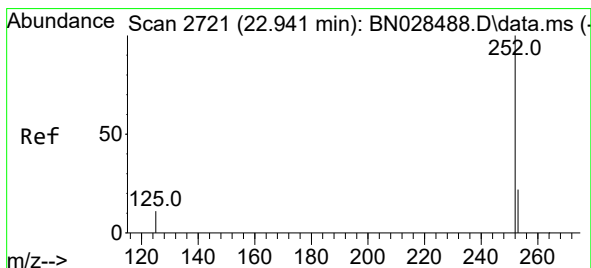
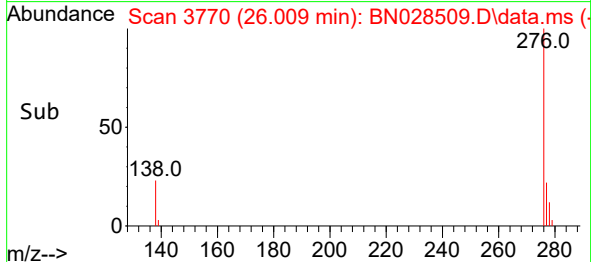
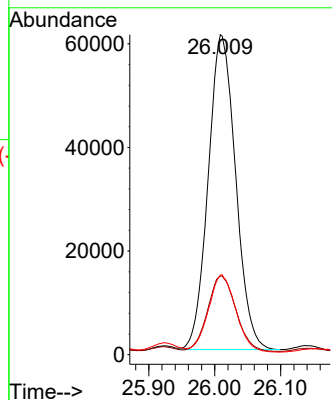
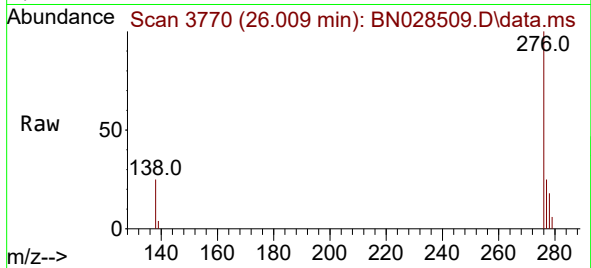




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.732 ng
RT: 26.009 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

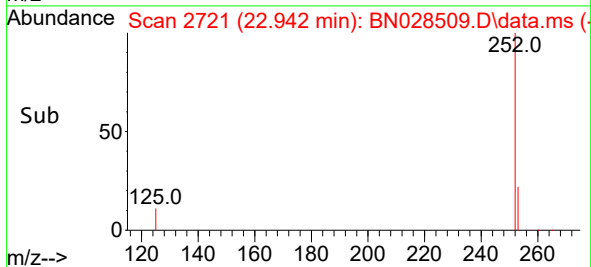
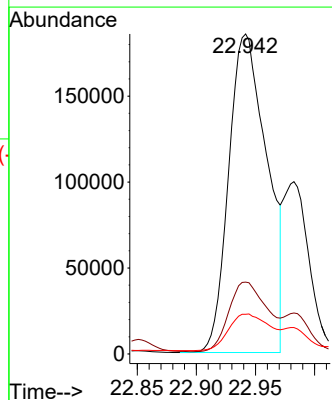
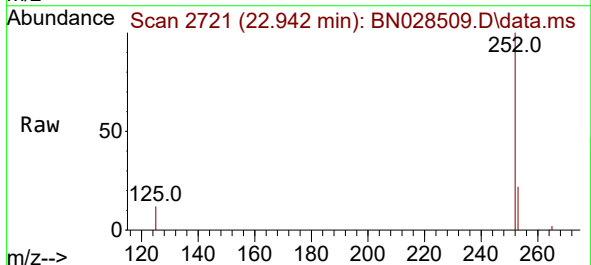
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

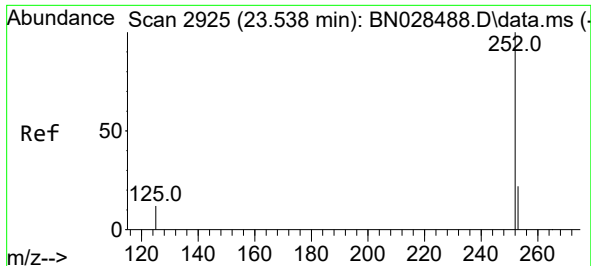
Tgt Ion:276 Resp: 175735
Ion Ratio Lower Upper
276 100
138 24.8 22.4 33.6
277 24.6 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 4.034 ng
RT: 22.942 min Scan# 2721
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:252 Resp: 418182
Ion Ratio Lower Upper
252 100
253 22.4 18.6 27.8
125 12.4 11.4 17.0

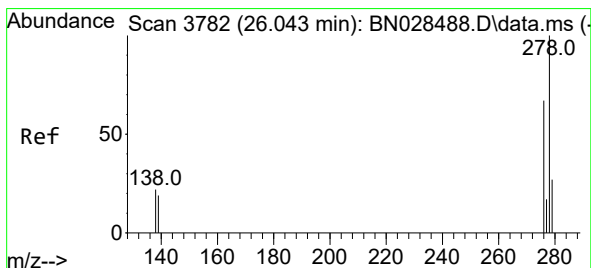
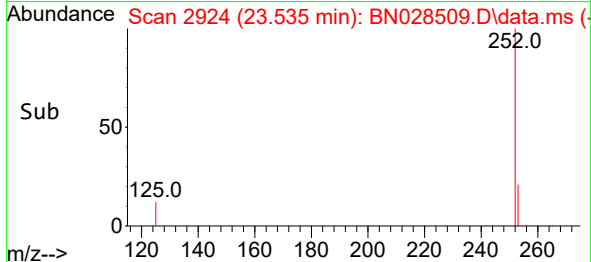
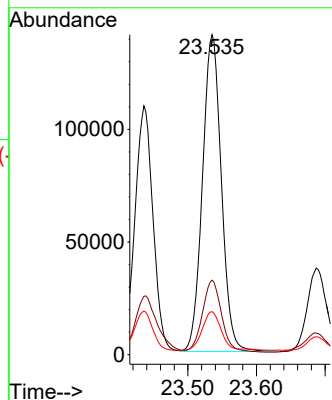
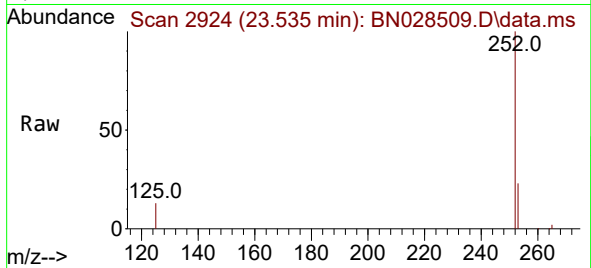




#39
Benzo(a)pyrene
Concen: 3.039 ng
RT: 23.535 min Scan# 2925
Delta R.T. -0.003 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

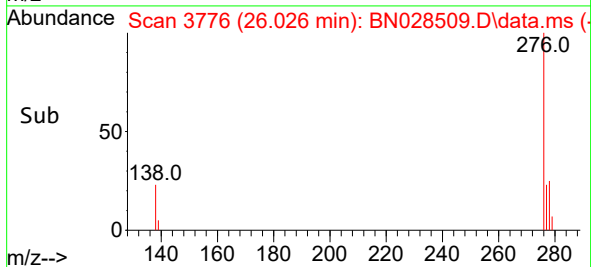
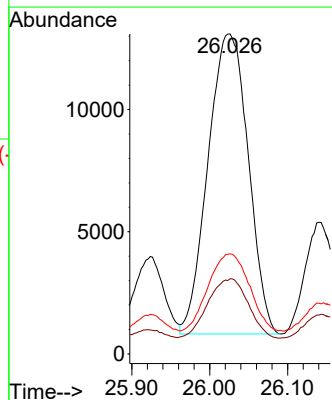
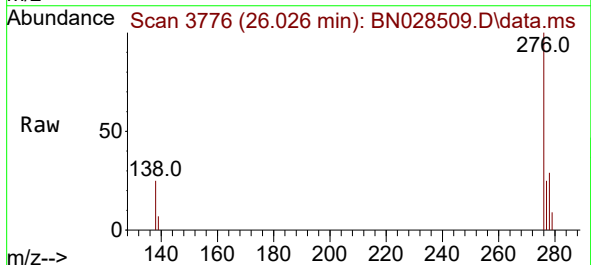
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

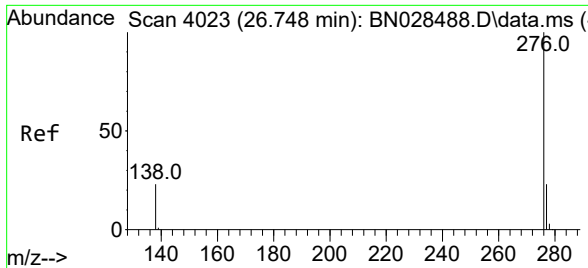
Tgt Ion:252 Resp: 269190
Ion Ratio Lower Upper
252 100
253 23.3 19.3 28.9
125 13.5 13.3 19.9



#40
Dibenzo(a,h)anthracene
Concen: 0.556 ng
RT: 26.026 min Scan# 3776
Delta R.T. -0.017 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

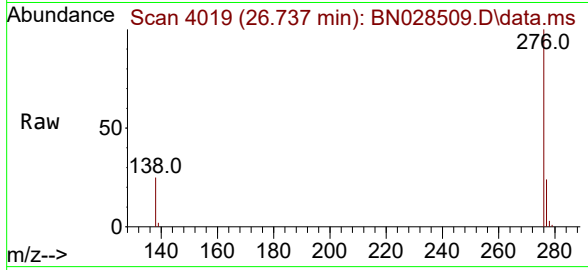
Tgt Ion:278 Resp: 44013
Ion Ratio Lower Upper
278 100
139 23.5 17.0 25.6
279 31.3 23.8 35.8





#41
 Benzo(g,h,i)perylene
 Concen: 2.010 ng
 RT: 26.737 min Scan# 40
 Delta R.T. -0.012 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

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



Tgt Ion:276 Resp: 176137
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.5 29.3
 138 25.3 20.1 30.1

