

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112123\
 Data File : BN028813.D
 Acq On : 20 Nov 2023 18:14
 Operator : MA/JU
 Sample : 05196-02DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 21 01:34:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 21 01:23:43 2023
 Response via : Initial Calibration

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

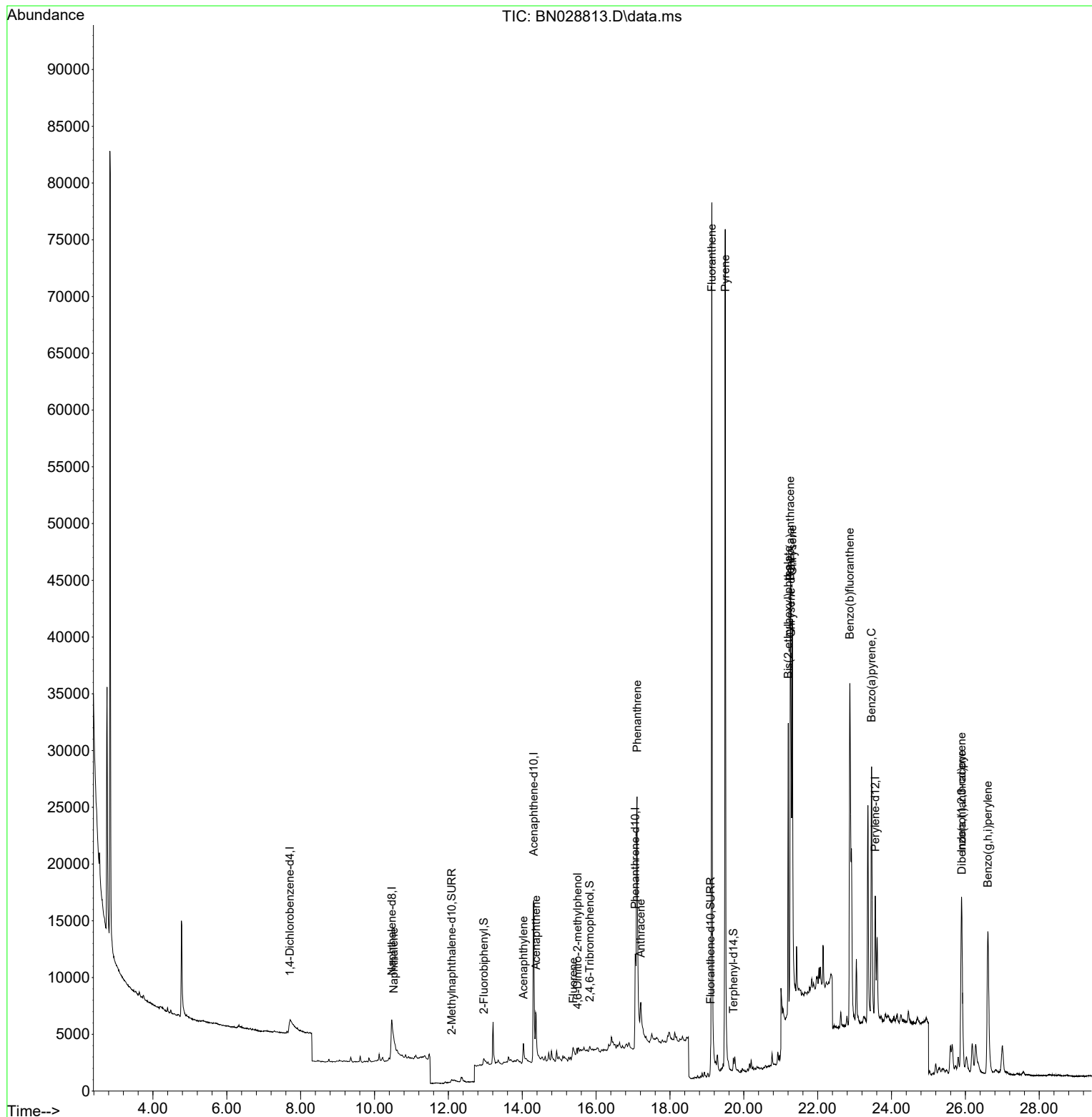
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	3809	0.400	ng	# 0.02
7) Naphthalene-d8	10.467	136	15111	0.400	ng	# 0.01
13) Acenaphthene-d10	14.311	164	11683	0.400	ng	0.01
19) Phenanthrene-d10	17.060	188	19726	0.400	ng	#-0.01
29) Chrysene-d12	21.276	240	14064	0.400	ng	# 0.00
35) Perylene-d12	23.559	264	15701	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	225	0.020	ng	0.03
5) Phenol-d6	7.053	99	187	0.013	ng	0.12
8) Nitrobenzene-d5	8.908	82	29	0.002	ng	-0.01
11) 2-Methylnaphthalene-d10	12.091	152	1069	0.041	ng	0.03
14) 2,4,6-Tribromophenol	15.831	330	251	0.038	ng	0.01
15) 2-Fluorobiphenyl	12.964	172	1416	0.028	ng	0.02
27) Fluoranthene-d10	19.102	212	3069	0.051	ng	0.00
31) Terphenyl-d14	19.720	244	1863	0.050	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.520	128	1062	0.023	ng	# 41
16) Acenaphthylene	14.033	152	3118	0.051	ng	96
17) Acenaphthene	14.375	154	2495	0.061	ng	98
18) Fluorene	15.380	166	1754	0.030	ng	90
20) 4,6-Dinitro-2-methylph...	15.498	198	7	0.181	ng	# 1
25) Phenanthrene	17.110	178	35911	0.549	ng	99
26) Anthracene	17.209	178	6434	0.107	ng	# 88
28) Fluoranthene	19.135	202	81363	1.037	ng	100
30) Pyrene	19.497	202	73507	1.098	ng	98
32) Benzo(a)anthracene	21.258	228	39749	0.676	ng	95
33) Chrysene	21.312	228	31847	0.543	ng	96
34) Bis(2-ethylhexyl)phtha...	21.204	149	21718	0.597	ng	99
36) Indeno(1,2,3-cd)pyrene	25.895	276	26836	0.424	ng	94
37) Benzo(b)fluoranthene	22.872	252	51867	0.802	ng	96
39) Benzo(a)pyrene	23.460	252	35156	0.636	ng	96
40) Dibenzo(a,h)anthracene	25.907	278	5962	0.121	ng	# 76
41) Benzo(g,h,i)perylene	26.608	276	27741	0.507	ng	98

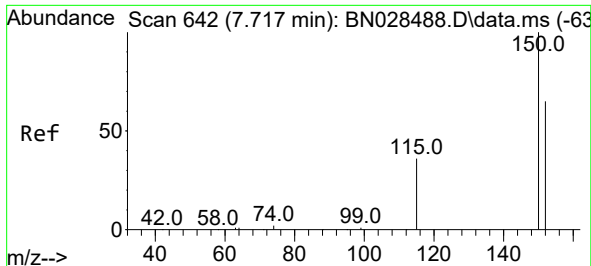
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

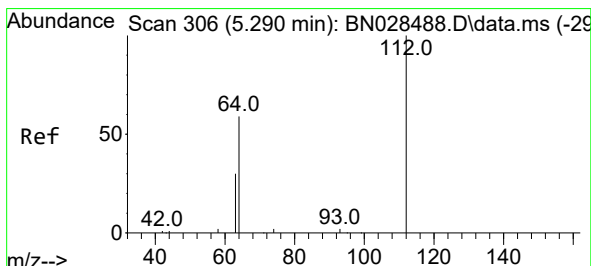
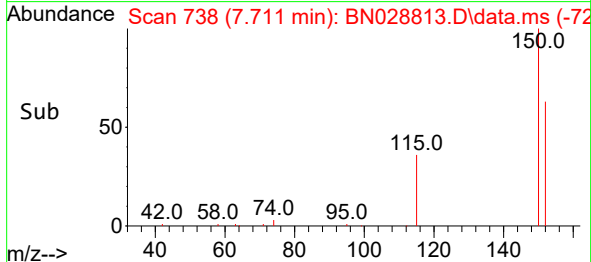
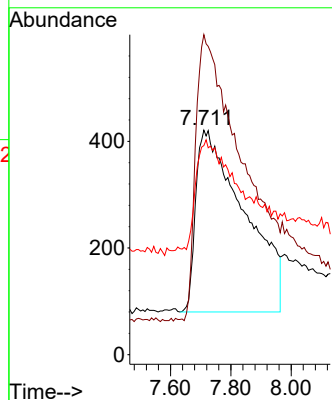
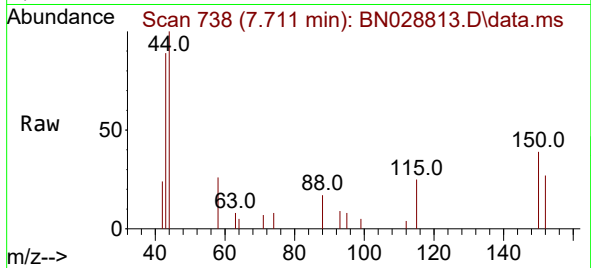




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.711 min Scan# 71
Delta R.T. 0.022 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

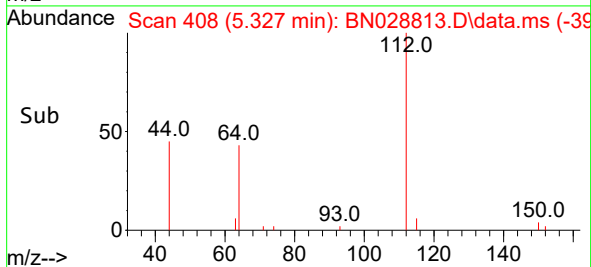
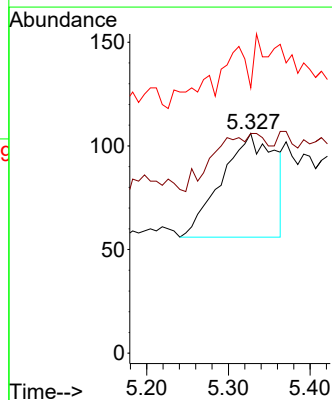
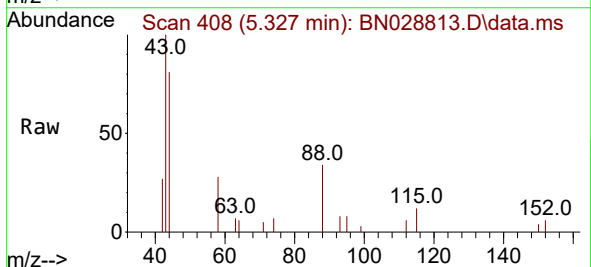
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASEDL

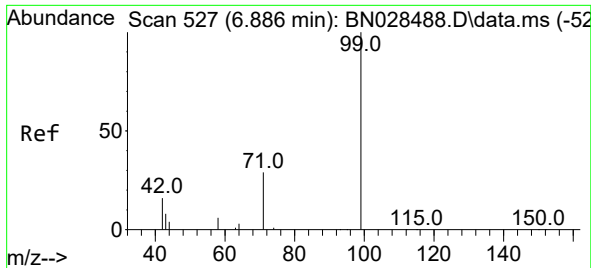
Tgt Ion:152 Resp: 3809
Ion Ratio Lower Upper
152 100
150 142.5 122.5 183.7
115 93.1 47.5 71.3#



#4
2-Fluorophenol
Concen: 0.020 ng
RT: 5.327 min Scan# 408
Delta R.T. 0.029 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:112 Resp: 225
Ion Ratio Lower Upper
112 100
64 55.1 44.6 67.0
63 10.7 23.3 34.9#

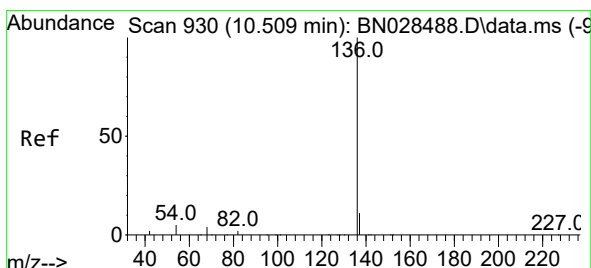
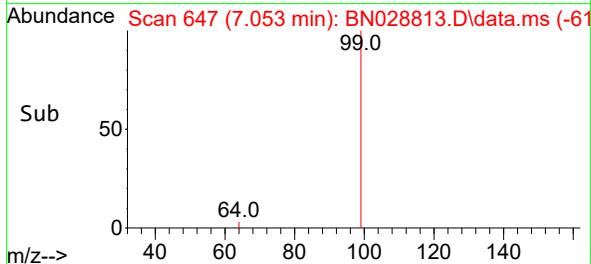
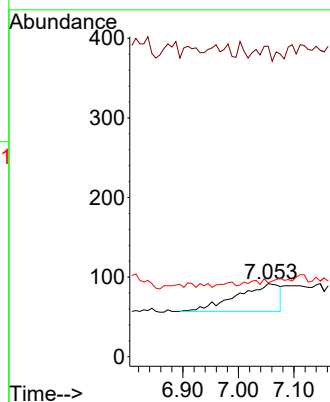
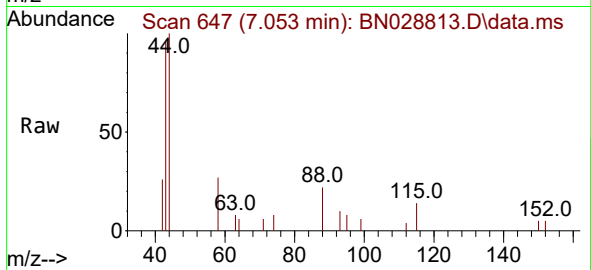




#5
Phenol-d6
Concen: 0.013 ng
RT: 7.053 min Scan# 64
Delta R.T. 0.116 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

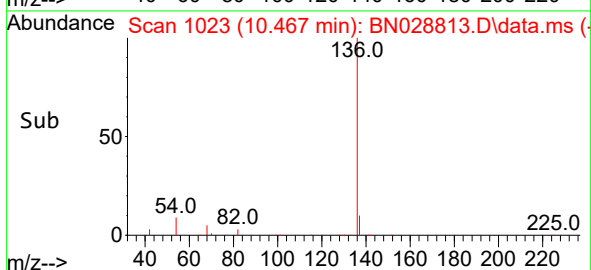
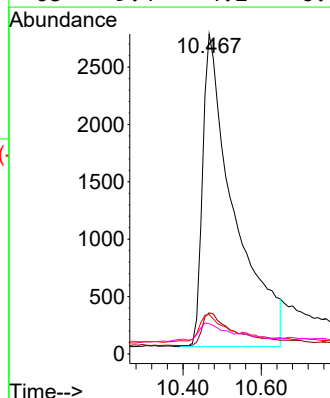
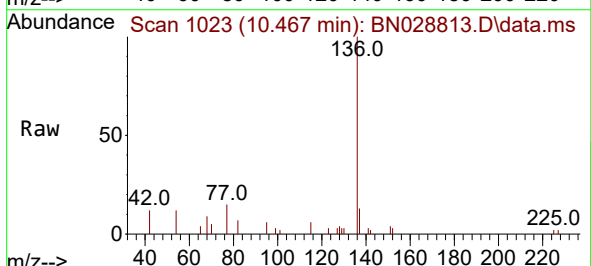
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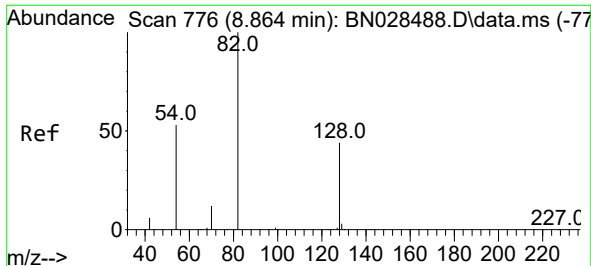
Tgt Ion: 99 Resp: 187
Ion Ratio Lower Upper
99 100
42 16.6 15.8 23.8
71 2.1 25.1 37.7#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.467 min Scan# 1023
Delta R.T. 0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion: 136 Resp: 15111
Ion Ratio Lower Upper
136 100
137 12.8 9.0 13.4
54 12.3 5.1 7.7#
68 9.4 4.2 6.4#

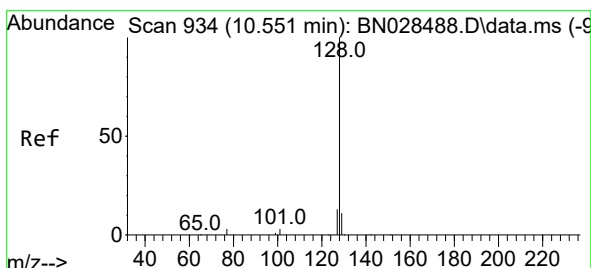
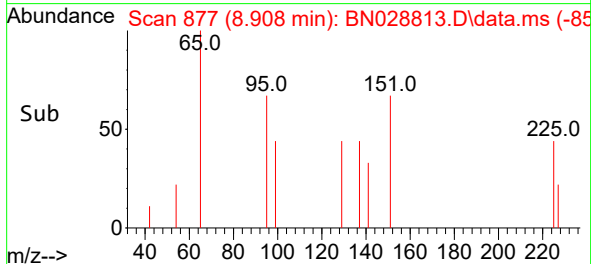
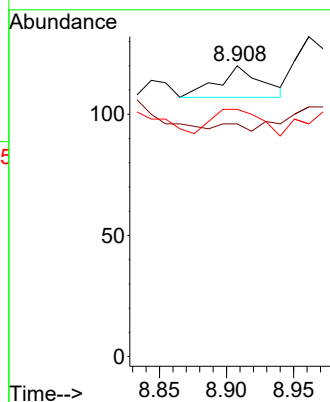
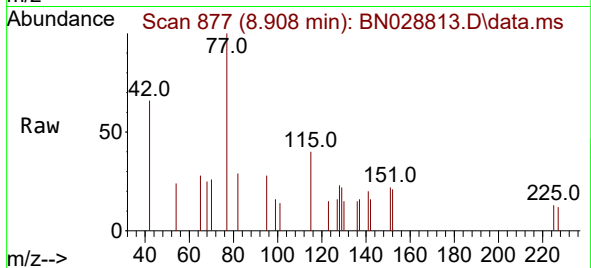




#8
Nitrobenzene-d5
Concen: 0.002 ng
RT: 8.908 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

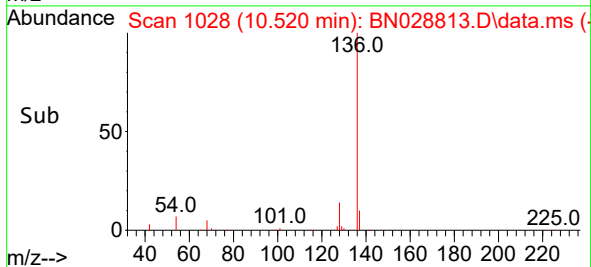
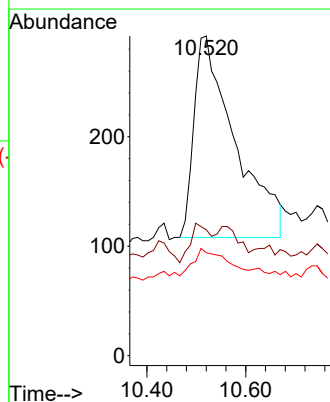
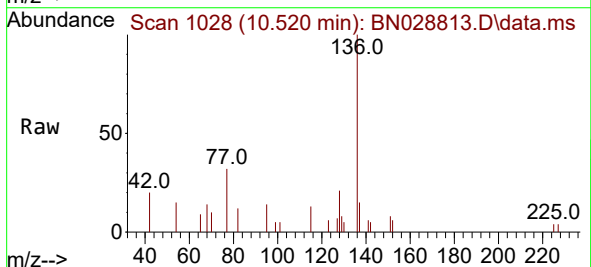
Instrument :
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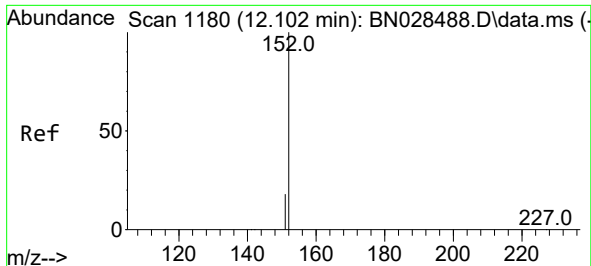
Tgt Ion: 82 Resp: 29
Ion Ratio Lower Upper
82 100
128 80.0 36.5 54.7#
54 85.0 43.8 65.8#



#9
Naphthalene
Concen: 0.023 ng
RT: 10.520 min Scan# 1028
Delta R.T. 0.022 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:128 Resp: 1062
Ion Ratio Lower Upper
128 100
129 39.4 9.1 13.7#
127 32.2 10.6 15.8#

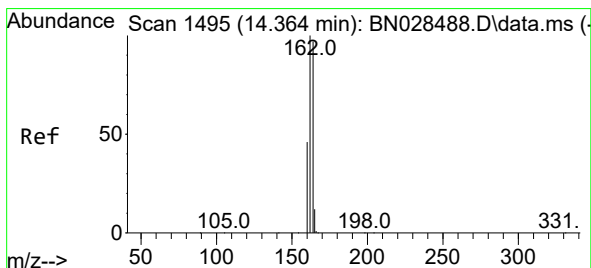
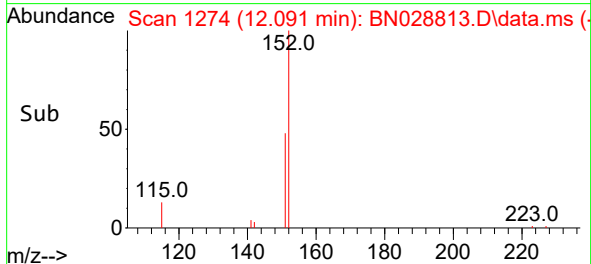
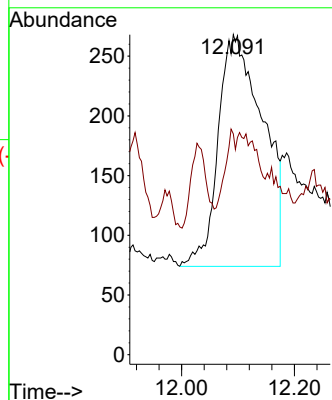
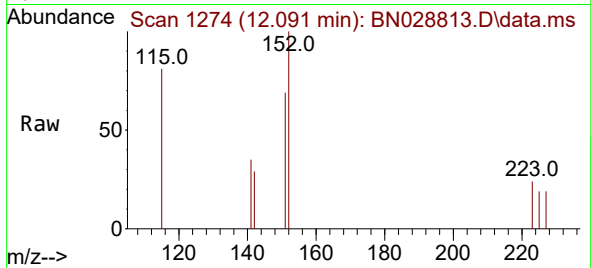




#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.091 min Scan# 1180
Delta R.T. 0.027 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

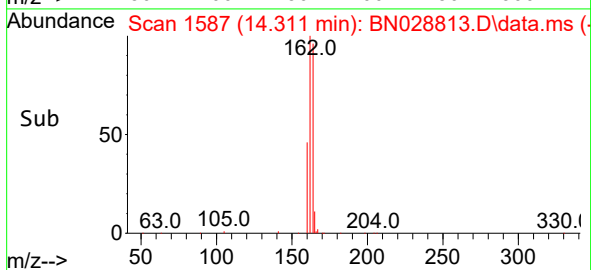
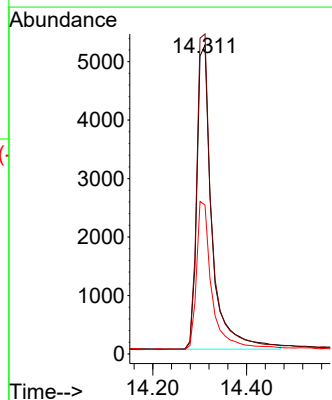
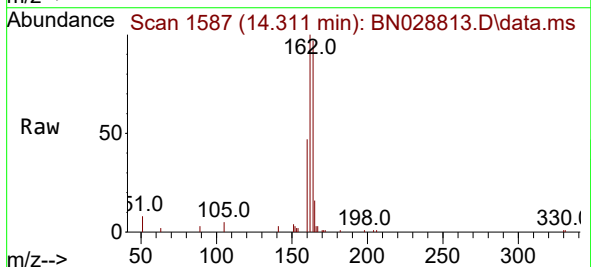
Instrument :
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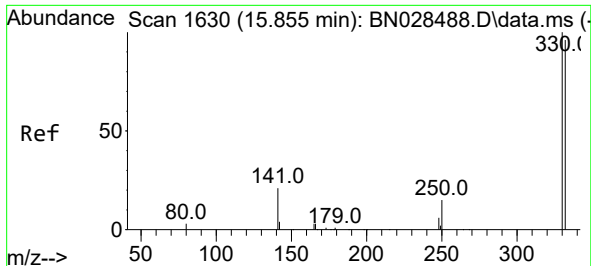
Tgt Ion:152 Resp: 1069
Ion Ratio Lower Upper
152 100
151 7.2 16.1 24.1#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.311 min Scan# 1587
Delta R.T. 0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:164 Resp: 11683
Ion Ratio Lower Upper
164 100
162 103.6 82.5 123.7
160 48.2 38.1 57.1

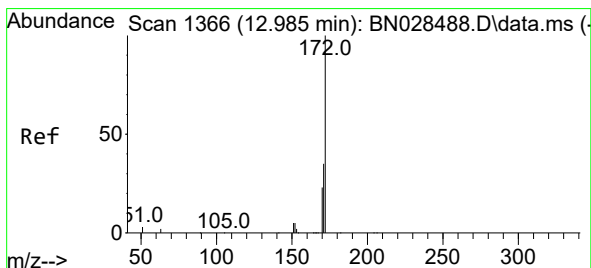
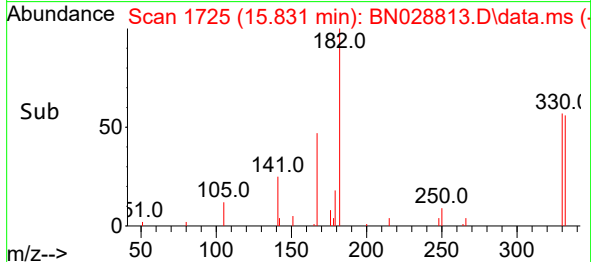
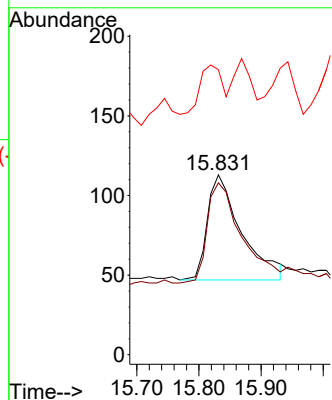
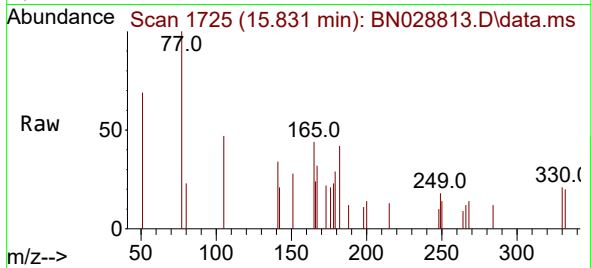




#14
2,4,6-Tribromophenol
Concen: 0.038 ng
RT: 15.831 min Scan# 11
Delta R.T. 0.013 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

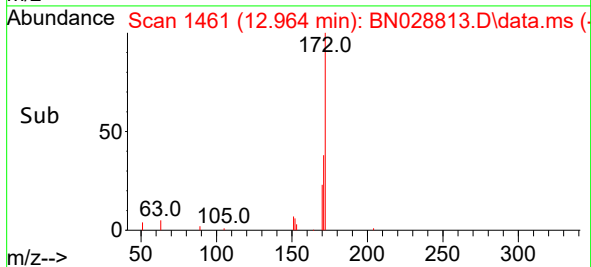
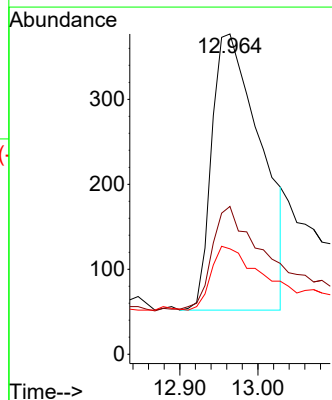
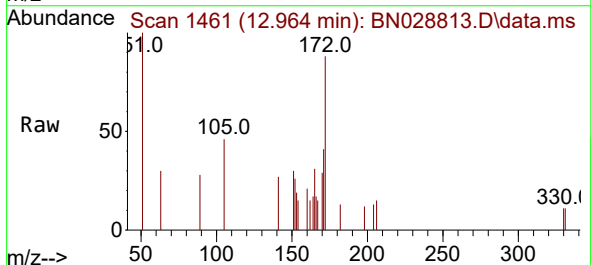
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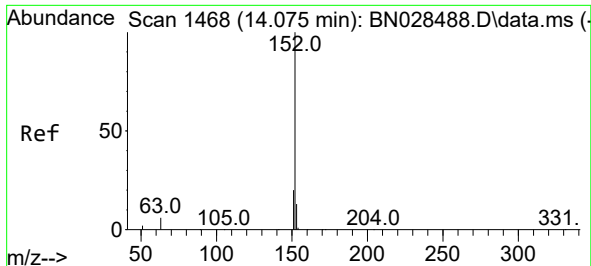
Tgt Ion:330 Resp: 251
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.4
141 30.7 32.6 49.0#



#15
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 12.964 min Scan# 1461
Delta R.T. 0.022 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:172 Resp: 1416
Ion Ratio Lower Upper
172 100
171 46.2 27.9 41.9#
170 32.9 18.9 28.3#

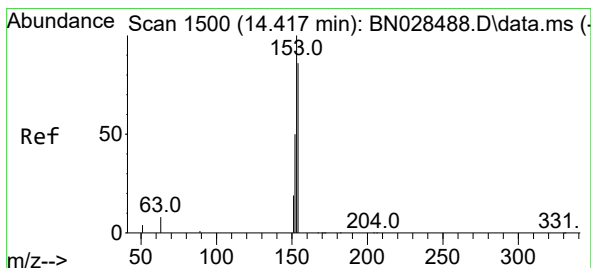
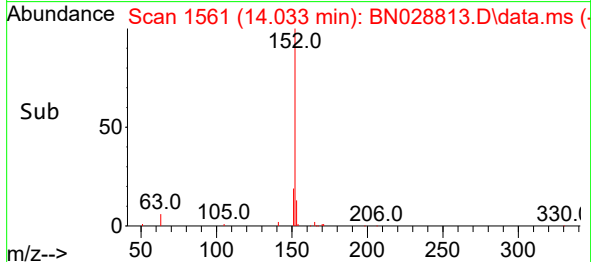
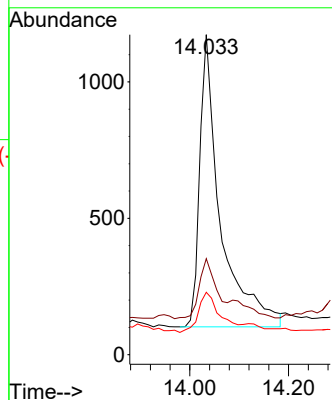
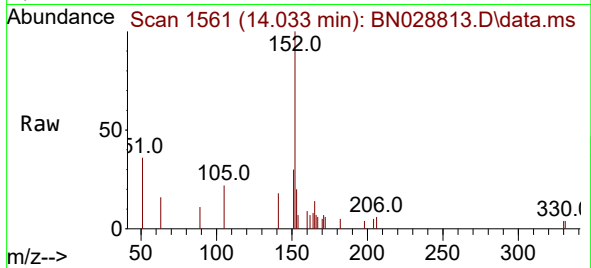




#16
Acenaphthylene
Concen: 0.051 ng
RT: 14.033 min Scan# 1561
Delta R.T. 0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

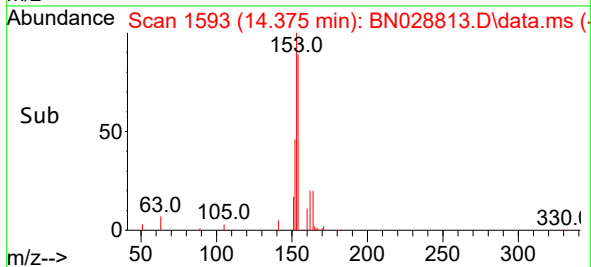
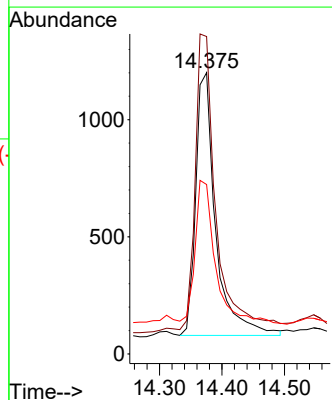
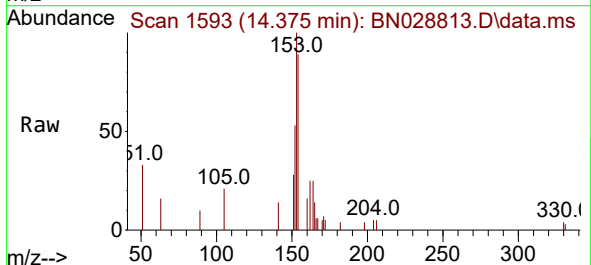
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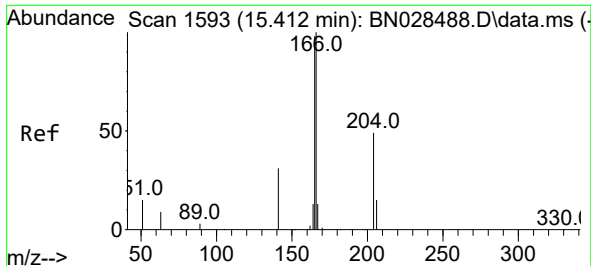
Tgt Ion:152 Resp: 3118
Ion Ratio Lower Upper
152 100
151 17.2 15.4 23.0
153 14.7 10.5 15.7



#17
Acenaphthene
Concen: 0.061 ng
RT: 14.375 min Scan# 1593
Delta R.T. 0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:154 Resp: 2495
Ion Ratio Lower Upper
154 100
153 117.9 92.0 138.0
152 56.3 45.4 68.0

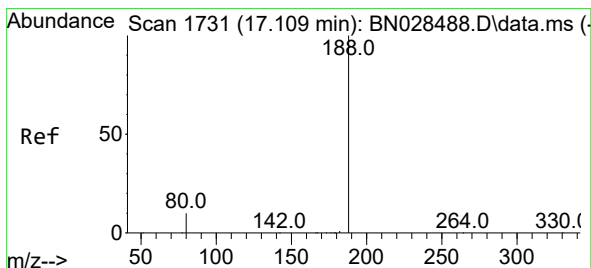
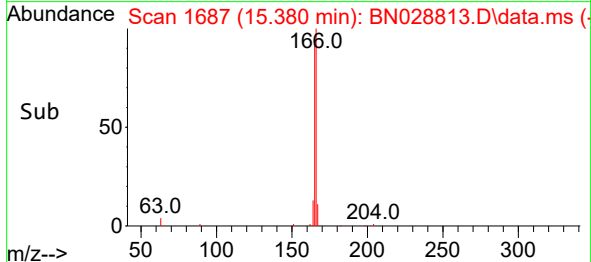
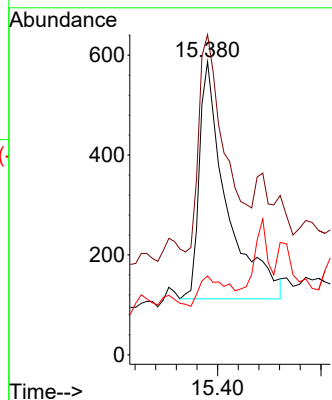
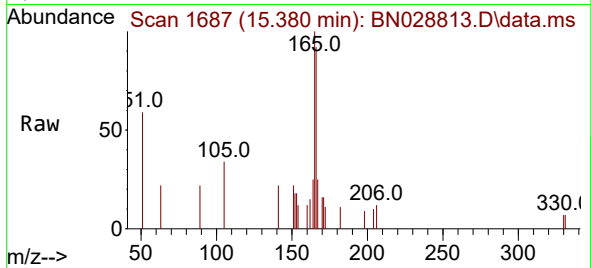




#18
Fluorene
Concen: 0.030 ng
RT: 15.380 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

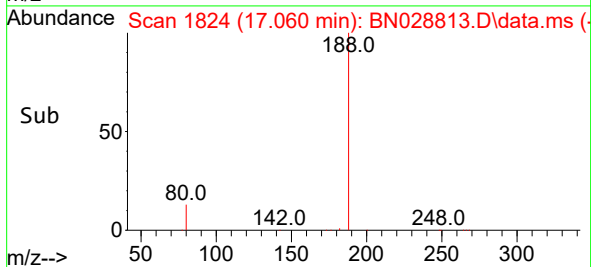
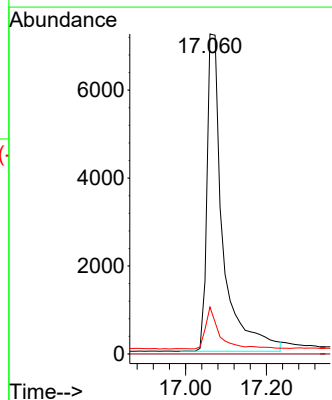
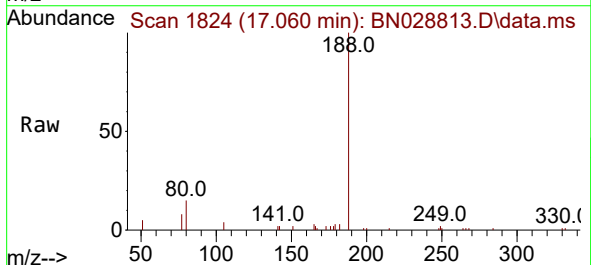
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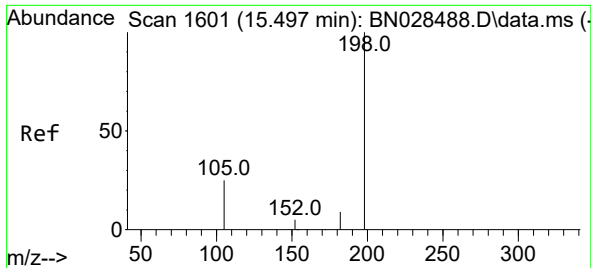
Tgt Ion:166 Resp: 1754
Ion Ratio Lower Upper
166 100
165 87.4 78.5 117.7
167 12.8 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.060 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:188 Resp: 19726
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.7 8.3 12.5#

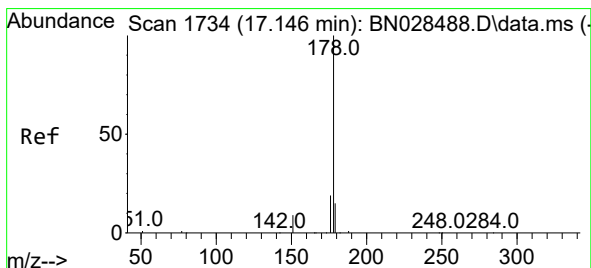
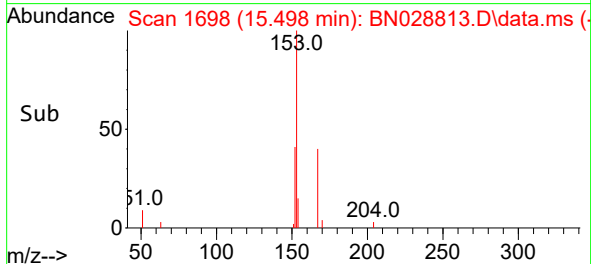
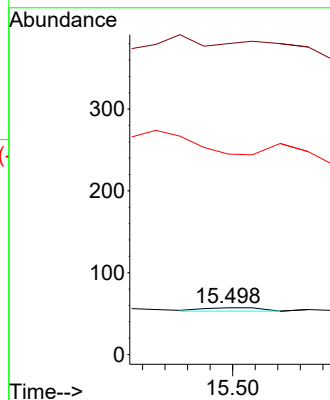
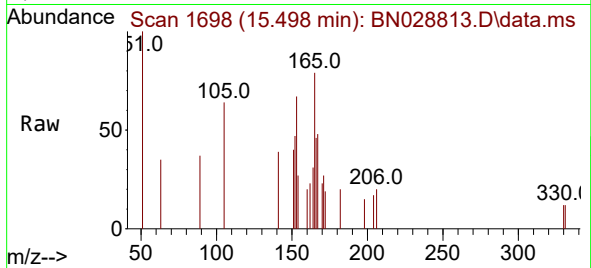




#20
4,6-Dinitro-2-methylphenol
Concen: 0.181 ng
RT: 15.498 min Scan# 1601
Delta R.T. -0.011 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

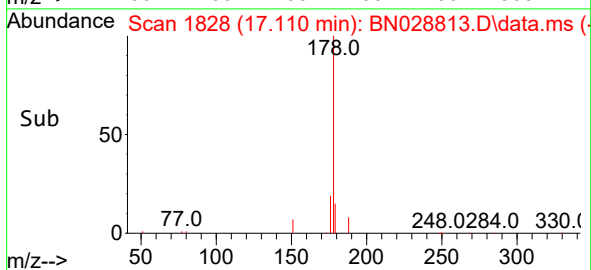
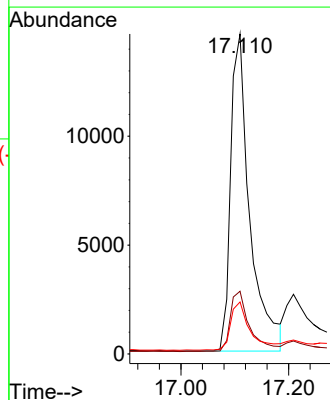
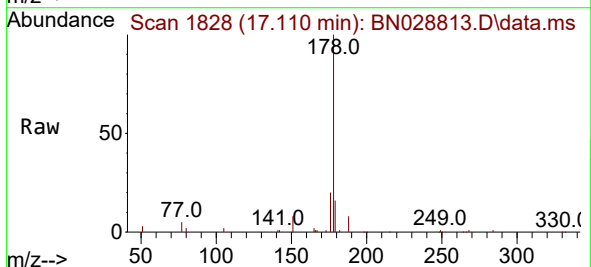
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASEDL

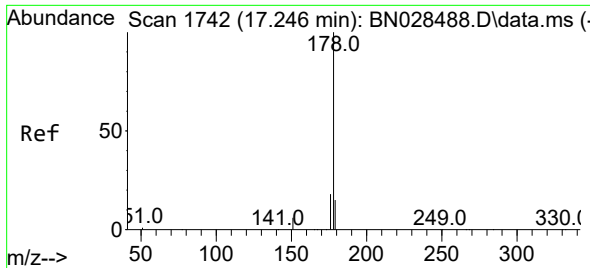
Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 666.7 42.1 63.1#
105 429.8 32.6 48.8#



#25
Phenanthrene
Concen: 0.549 ng
RT: 17.110 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:178 Resp: 35911
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.5 12.5 18.7

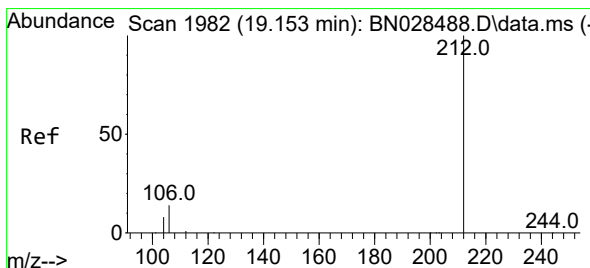
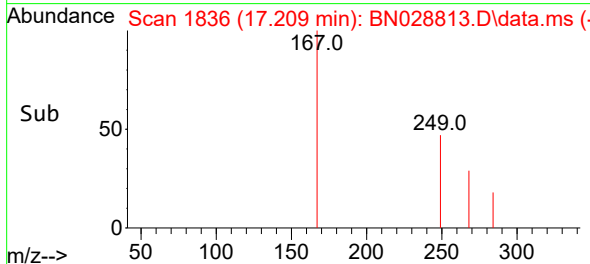
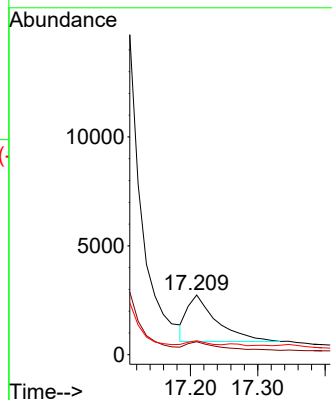
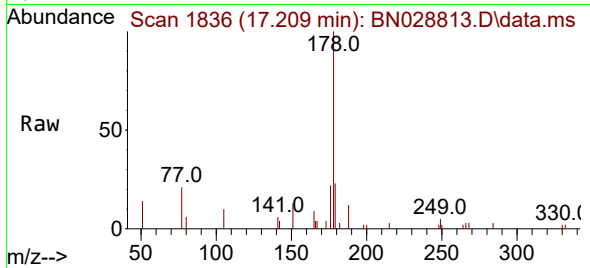




#26
 Anthracene
 Concen: 0.107 ng
 RT: 17.209 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028813.D
 Acq: 20 Nov 2023 18:14

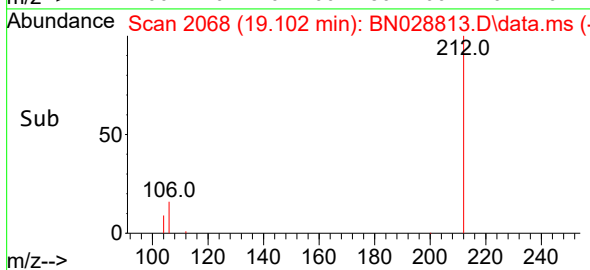
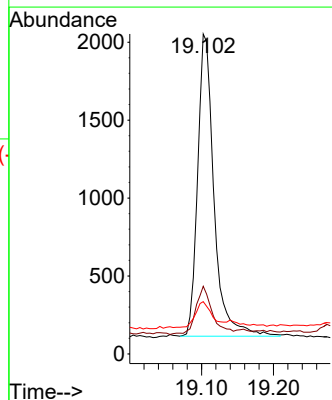
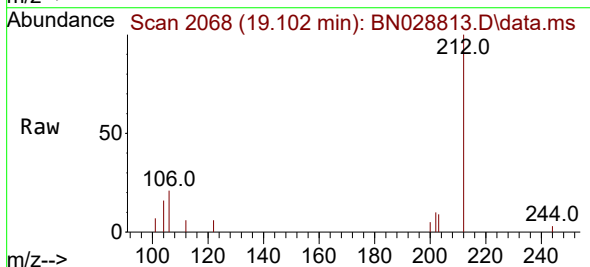
Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASEDL

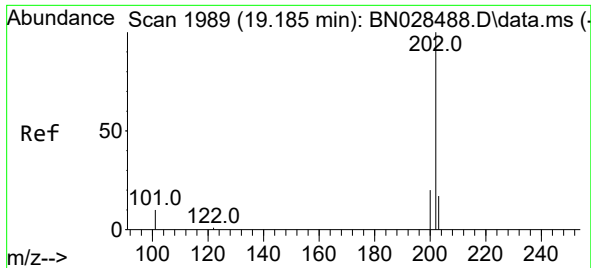
Tgt Ion:178 Resp: 6434
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 4.9 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.051 ng
 RT: 19.102 min Scan# 2068
 Delta R.T. -0.004 min
 Lab File: BN028813.D
 Acq: 20 Nov 2023 18:14

Tgt Ion:212 Resp: 3069
 Ion Ratio Lower Upper
 212 100
 106 16.0 11.5 17.3
 104 8.3 6.4 9.6

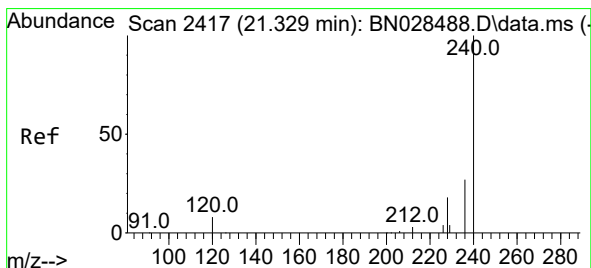
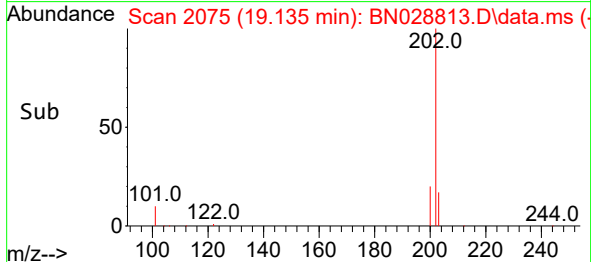
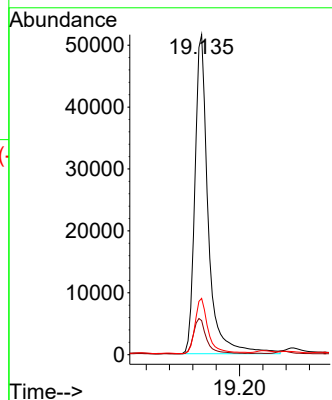
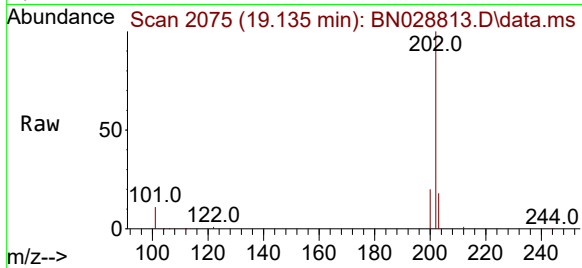




#28
Fluoranthene
Concen: 1.037 ng
RT: 19.135 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

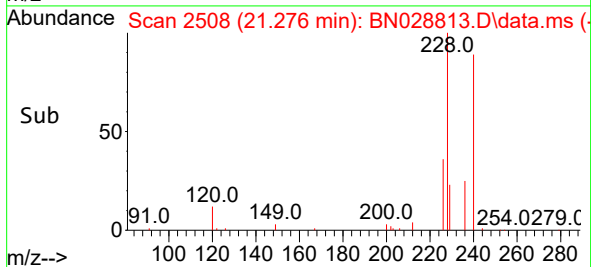
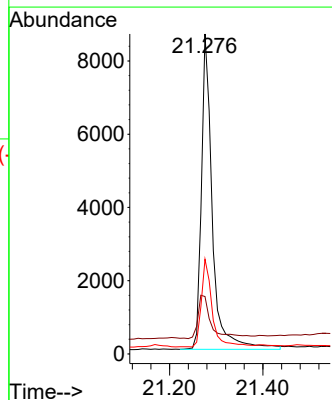
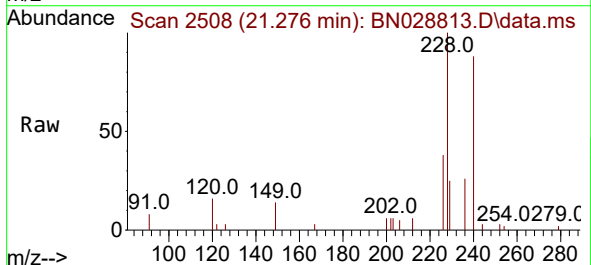
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASEDL

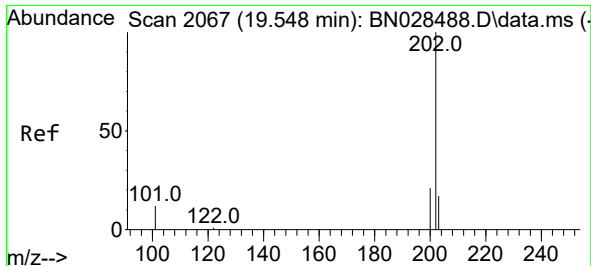
Tgt Ion:202 Resp: 81363
Ion Ratio Lower Upper
202 100
101 11.1 9.1 13.7
203 17.0 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.276 min Scan# 2508
Delta R.T. -0.009 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:240 Resp: 14064
Ion Ratio Lower Upper
240 100
120 17.9 7.6 11.4#
236 29.6 21.9 32.9

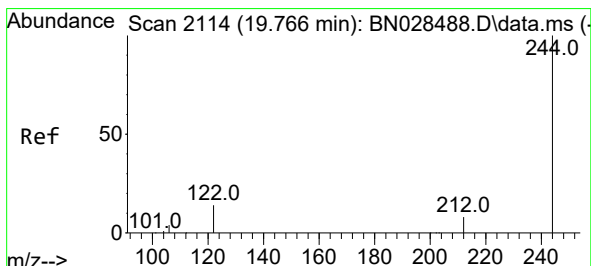
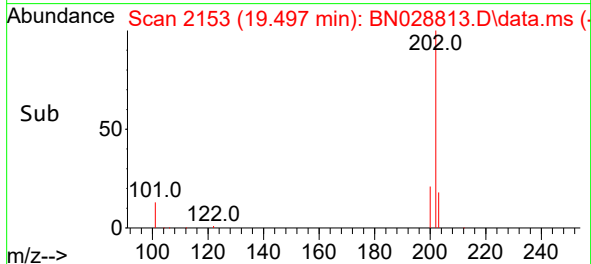
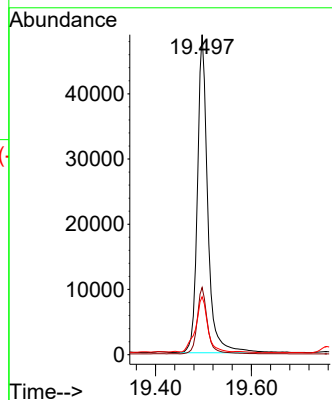
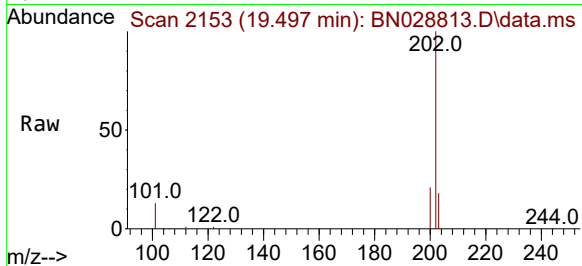




#30
 Pyrene
 Concen: 1.098 ng
 RT: 19.497 min Scan# 2153
 Delta R.T. 0.000 min
 Lab File: BN028813.D
 Acq: 20 Nov 2023 18:14

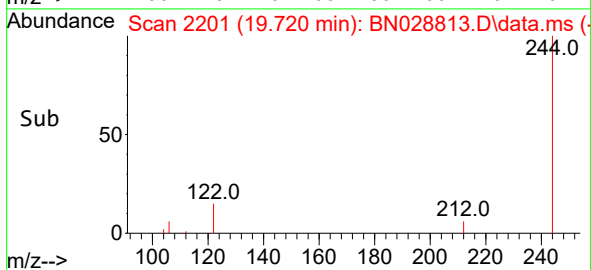
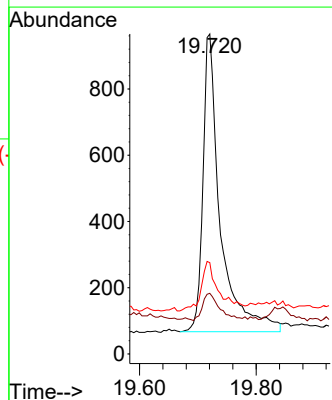
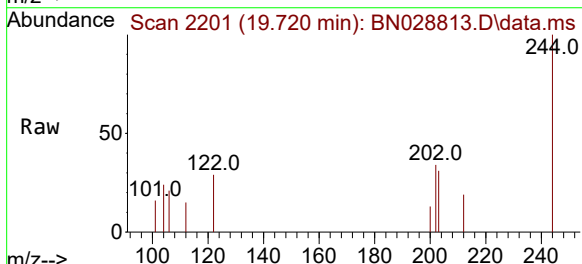
Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASEDL

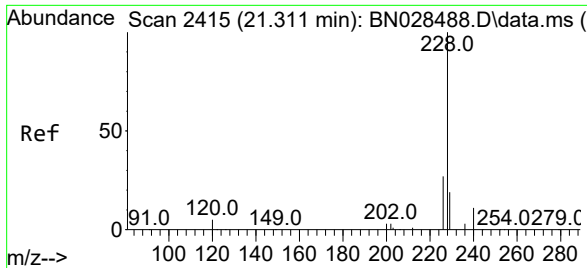
Tgt Ion:202 Resp: 73507
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.5 24.7
 203 19.7 14.3 21.5



#31
 Terphenyl-d14
 Concen: 0.050 ng
 RT: 19.720 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: BN028813.D
 Acq: 20 Nov 2023 18:14

Tgt Ion:244 Resp: 1863
 Ion Ratio Lower Upper
 244 100
 212 18.9 6.6 9.8#
 122 28.6 11.4 17.2#

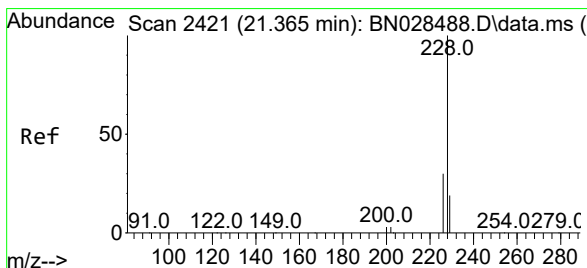
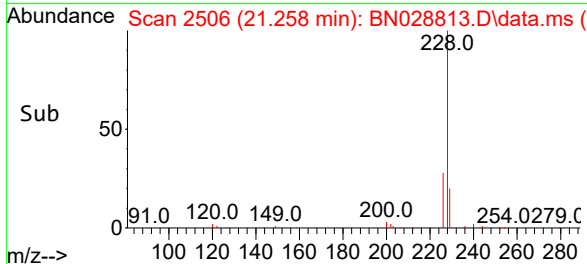
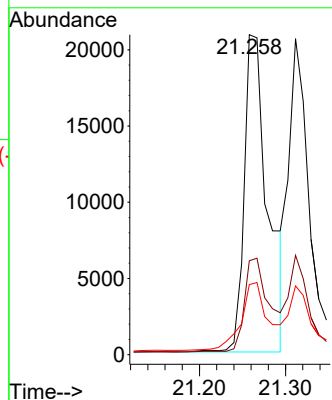
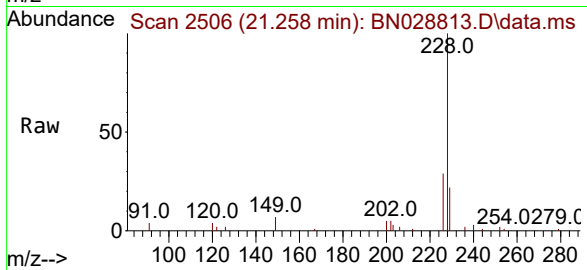




#32
Benzo(a)anthracene
Concen: 0.676 ng
RT: 21.258 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

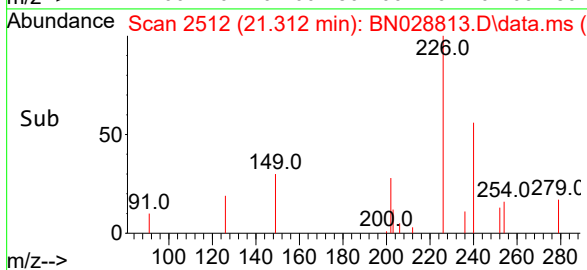
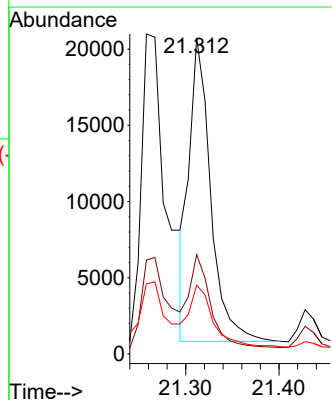
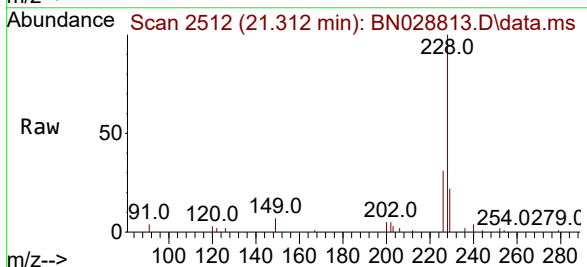
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASEDL

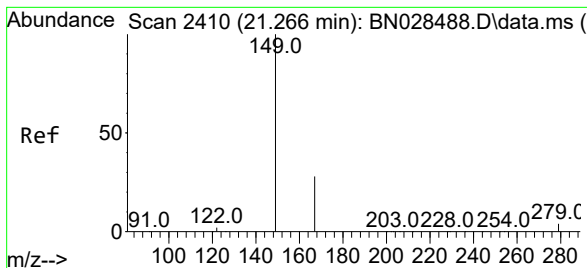
Tgt Ion:228 Resp: 39749
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.2
229 21.9 15.7 23.5



#33
Chrysene
Concen: 0.543 ng
RT: 21.312 min Scan# 2512
Delta R.T. 0.000 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:228 Resp: 31847
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 21.8 15.7 23.5

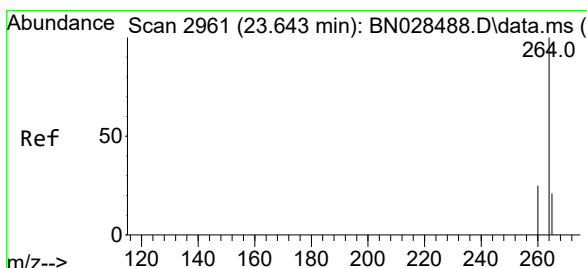
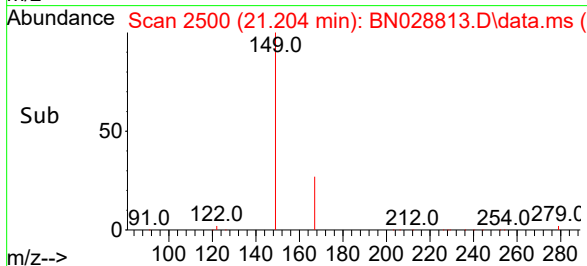
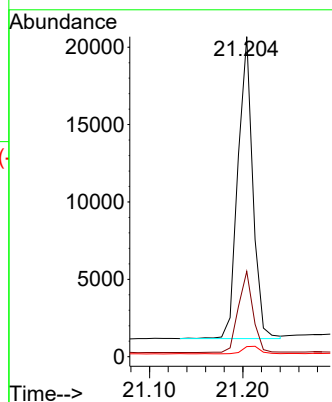
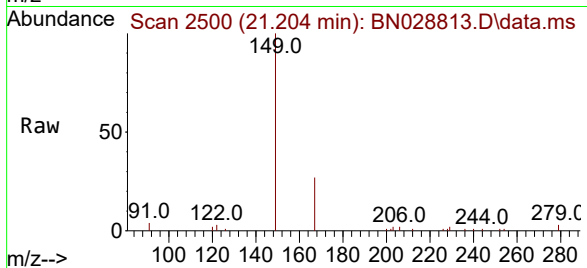




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.597 ng
RT: 21.204 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

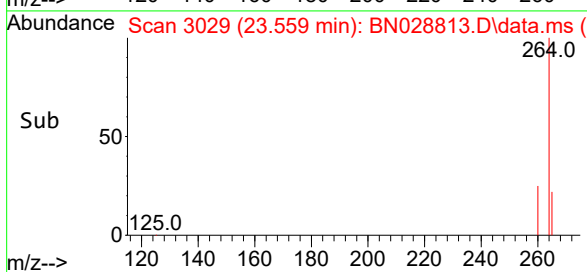
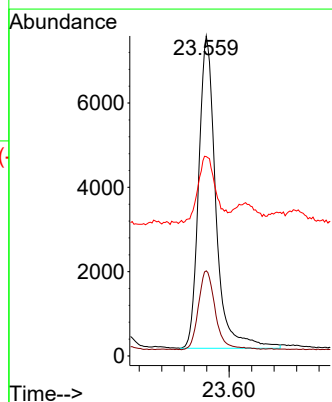
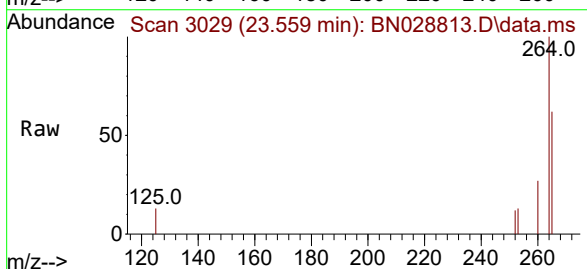
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASEDL

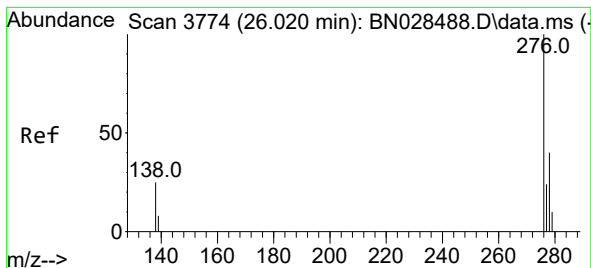
Tgt Ion:149 Resp: 21718
Ion Ratio Lower Upper
149 100
167 26.6 21.0 31.4
279 3.0 2.6 3.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.559 min Scan# 3029
Delta R.T. -0.003 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

Tgt Ion:264 Resp: 15701
Ion Ratio Lower Upper
264 100
260 26.6 20.7 31.1
265 62.3 31.6 47.4#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.424 ng

RT: 25.895 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN028813.D

Acq: 20 Nov 2023 18:14

Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASEDL

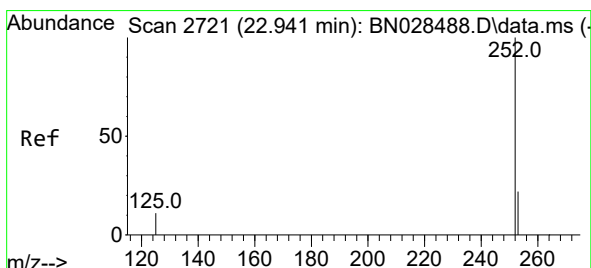
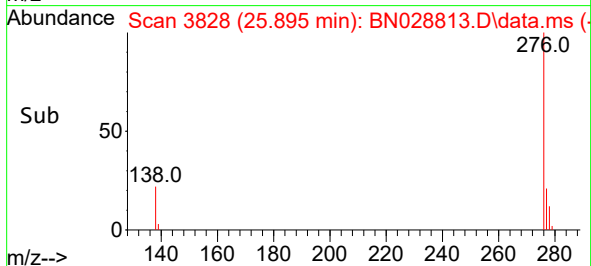
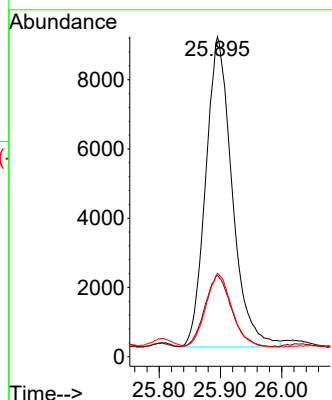
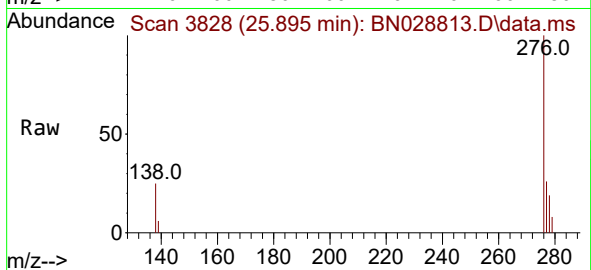
Tgt Ion:276 Resp: 26836

Ion Ratio Lower Upper

276 100

138 23.3 22.4 33.6

277 23.3 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.802 ng

RT: 22.872 min Scan# 2794

Delta R.T. 0.000 min

Lab File: BN028813.D

Acq: 20 Nov 2023 18:14

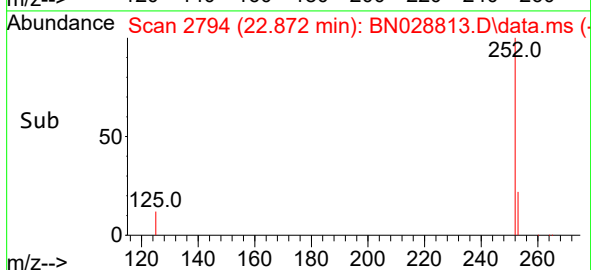
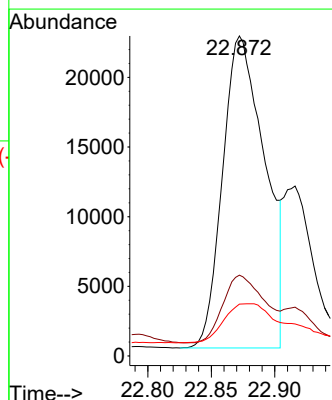
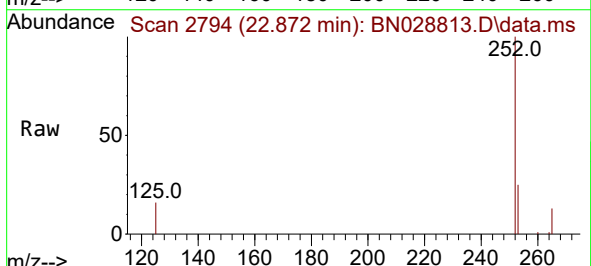
Tgt Ion:252 Resp: 51867

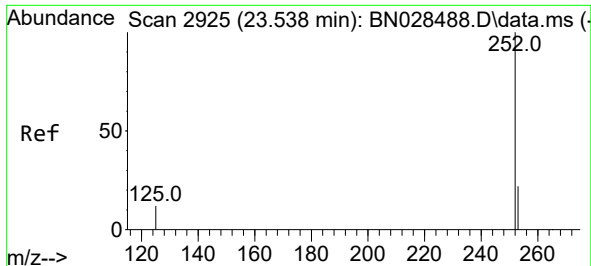
Ion Ratio Lower Upper

252 100

253 25.3 18.6 27.8

125 16.2 11.4 17.0





#39

Benzo(a)pyrene

Concen: 0.636 ng

RT: 23.460 min Scan# 2925

Delta R.T. 0.000 min

Lab File: BN028813.D

Acq: 20 Nov 2023 18:14

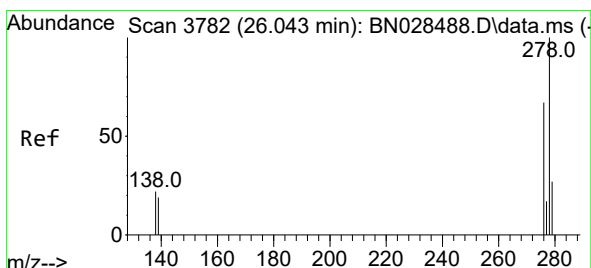
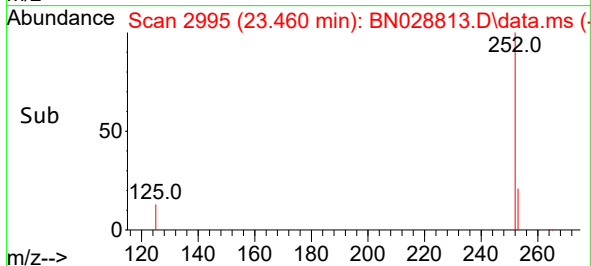
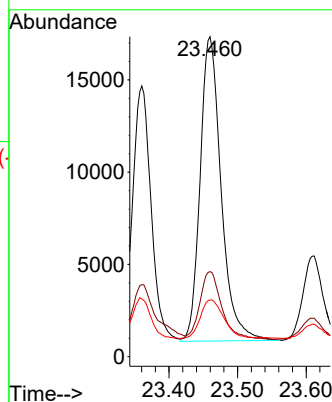
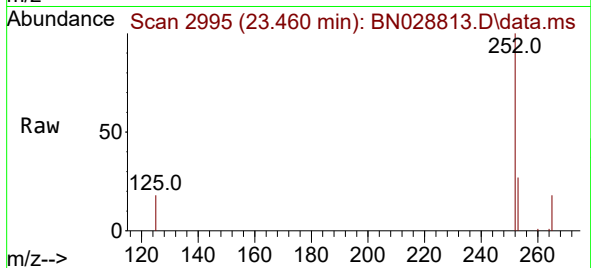
Instrument :

BNA_N

ClientSampleId :

PE-7-SOUTHSIDE-BASEDL

Tgt Ion:252	Resp:	35156
Ion Ratio	Lower	Upper
252	100	
253	26.6	19.3 28.9
125	17.7	13.3 19.9



#40

Dibenzo(a,h)anthracene

Concen: 0.121 ng

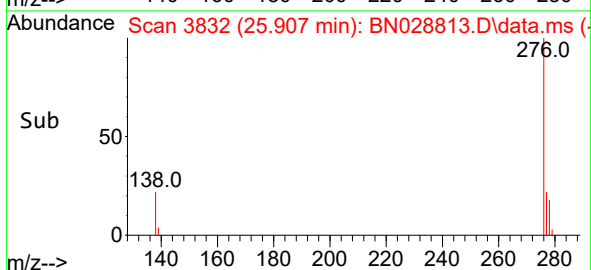
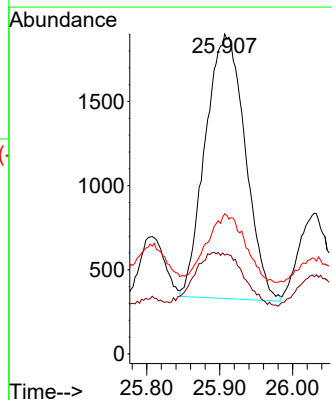
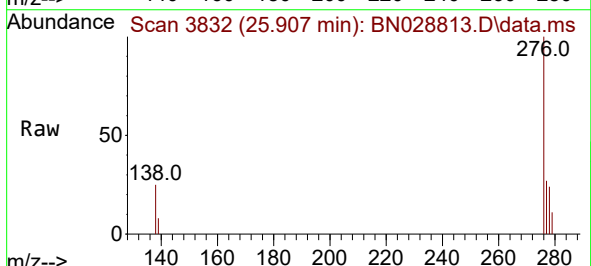
RT: 25.907 min Scan# 3832

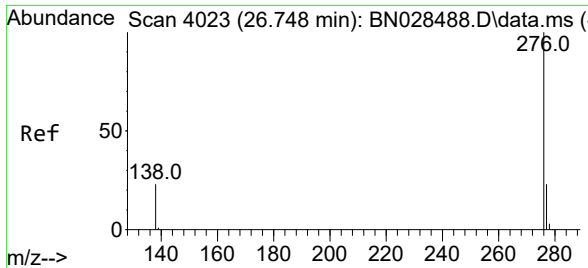
Delta R.T. -0.014 min

Lab File: BN028813.D

Acq: 20 Nov 2023 18:14

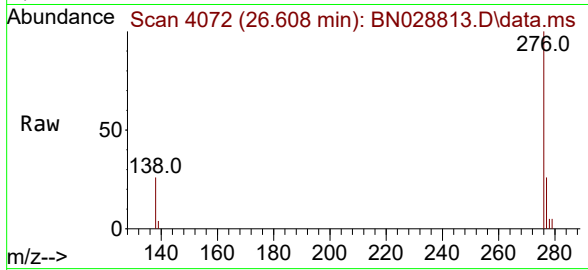
Tgt Ion:278	Resp:	5962
Ion Ratio	Lower	Upper
278	100	
139	30.9	17.0 25.6#
279	43.8	23.8 35.8#





#41
Benzo(g,h,i)perylene
Concen: 0.507 ng
RT: 26.608 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN028813.D
Acq: 20 Nov 2023 18:14

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



Tgt Ion:276 Resp: 27741
Ion Ratio Lower Upper
276 100
277 25.7 19.5 29.3
138 26.1 20.1 30.1

