

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021424\
 Data File : BN029816.D
 Acq On : 15 Feb 2024 20:16
 Operator : MA/JU
 Sample : P1370-01
 Misc :
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA7

Quant Time: Feb 15 21:52:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 13 22:50:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng/ul	-7.87
20) Naphthalene-d8	10.652	136	138	20.000	ng/ul	#-0.02
38) Acenaphthene-d10	14.510	164	400	20.000	ng/ul	# 0.00
64) Phenanthrene-d10	17.263	188	916	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.469	240	1740	20.000	ng/ul	# 0.00
88) Perylene-d12	23.898	264	468	20.000	ng/ul	# 0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	16271	0.000	ng/uL	0.00
4) Pyridine-d5	3.734	84	99046	0.000	ng/ul	0.00
7) Phenol-d5	7.034	99	91503	0.000	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.210	67	297457	0.000	ng/ul	0.00
11) 2-Chlorophenol-d4	7.393	132	285073	0.000	ng/ul	0.00
15) 4-Methylphenol-d8	8.581	113	177358	0.000	ng/ul	0.00
21) Nitrobenzene-d5	9.034	128	190199	177580.410	ng/ul	0.00
24) 2-Nitrophenol-d4	9.752	143	186529	199964.026	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.287	165	291905	158539.188	ng/ul	0.00
31) 4-Chloroaniline-d4	10.810	131	386716	123112.671	ng/ul	0.00
46) Dimethylphthalate-d6	13.934	166	959174	32208.269	ng/ul	0.00
49) Acenaphthylene-d8	14.204	160	1163496	32898.425	ng/ul	0.00
54) 4-Nitrophenol-d4	14.722	143	18915	3346.441	ng/ul	0.00
60) Fluorene-d10	15.504	176	817244	32257.984	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.634	200	115690	25920.380	ng/ul	0.00
73) Anthracene-d10	17.363	188	1313123	30588.129	ng/ul	0.00
81) Pyrene-d10	19.663	212	1463859	14019.111	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.680	264	1412875	60332.467	ng/ul	0.00
Target Compounds						
					Qvalue	
22) Nitrobenzene	9.075	77	506	166.736	ng/ul#	42
23) Isophorone	9.599	82	253	47.862	ng/ul#	68
30) Naphthalene	10.710	128	325	41.202	ng/ul#	69
45) 2-Nitroaniline	13.522	65	62	8.044	ng/ul#	10
47) Dimethylphthalate	13.981	163	842	27.621	ng/ul#	77
48) 2,6-Dinitrotoluene	14.045	165	172	31.531	ng/ul#	24
57) 2,4-Dinitrotoluene	14.916	165	133	17.318	ng/ul#	24
59) Diethylphthalate	15.345	149	3184	101.680	ng/ul#	88
61) Fluorene	15.563	166	74	2.529	ng/ul#	71
63) 4-Nitroaniline	15.622	138	433	75.566	ng/ul#	1
66) 4,6-Dinitro-2-methylph...	15.634	198	456	92.671	ng/ul#	1
67) N-Nitrosodiphenylamine	15.628	169	954	33.422	ng/ul#	14
72) Phenanthrene	17.304	178	1053	19.873	ng/ul#	36
74) Anthracene	17.386	178	233	4.382	ng/ul#	26
77) Carbazole	17.681	167	216	4.447	ng/ul#	1
78) Di-n-butylphthalate	18.251	149	7515	128.666	ng/ul#	91
80) Fluoranthene	19.322	202	264	2.081	ng/ul#	68
82) Pyrene	19.657	202	3570	26.605	ng/ul#	1
83) Butylbenzylphthalate	20.533	149	1030	18.834	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.392	252	50	1.484	ng/ul#	22
85) Benzo(a)anthracene	21.445	228	451	3.528	ng/ul#	1
86) Bis(2-ethylhexyl)phtha...	21.392	149	5392	63.741	ng/ul#	91
87) Chrysene	21.510	228	349	2.913	ng/ul#	1
89) Di-n-octyl phthalate	22.369	149	837	23.073	ng/ul	100

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QLast Update : Tue Feb 13 22:50:45 2024
Response via : Initial Calibration

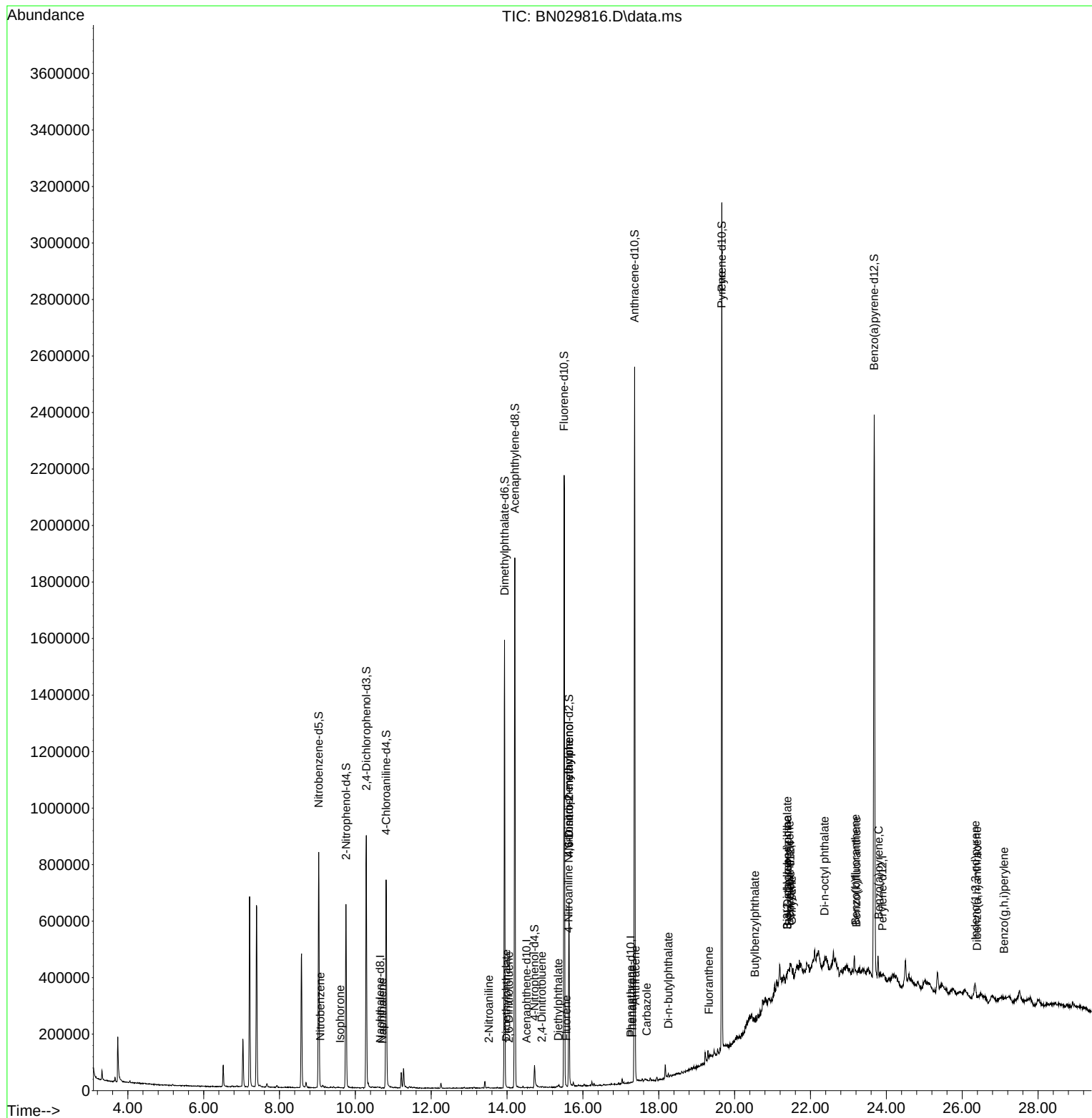
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	23.186	252	191	6.479	ng/ul#	1
91) Benzo(k)fluoranthene	23.210	252	202	6.695	ng/ul#	1
93) Benzo(a)pyrene	23.792	252	142	5.023	ng/ul#	1
94) Indeno(1,2,3-cd)pyrene	26.345	276	270	7.843	ng/ul#	1
95) Dibenzo(a,h)anthracene	26.392	278	66	2.348	ng/ul#	1
96) Benzo(g,h,i)perylene	27.104	276	208	7.224	ng/ul#	1

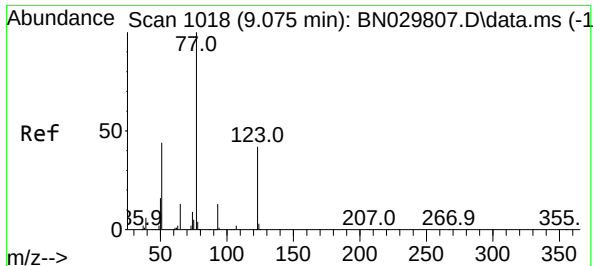
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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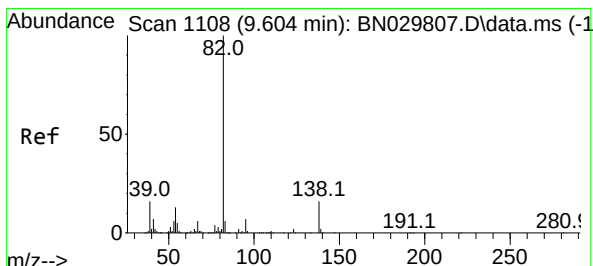
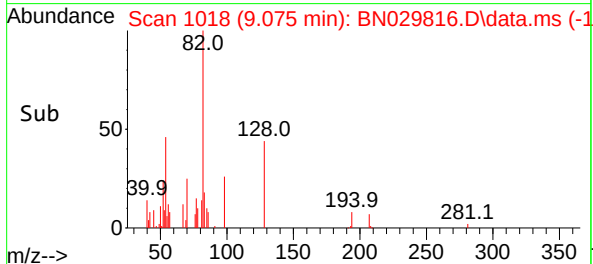
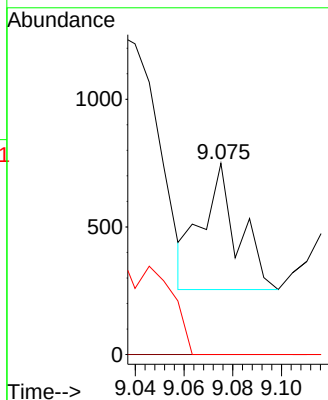
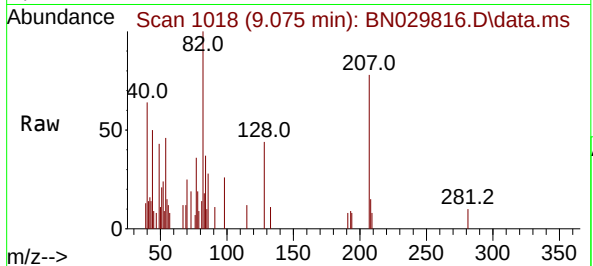




#22
Nitrobenzene
Concen: 166.736 ng/ul
RT: 9.075 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

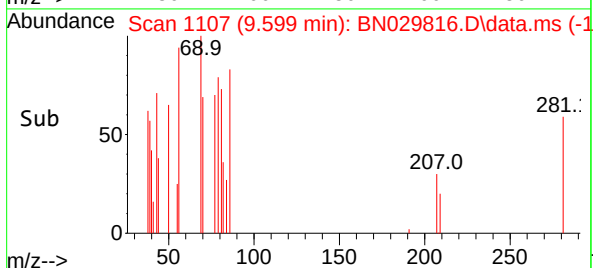
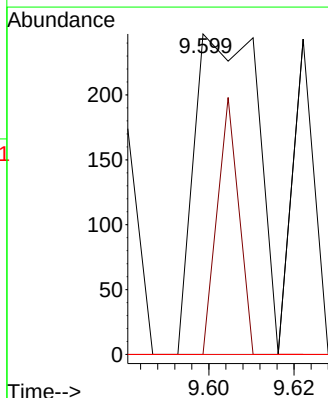
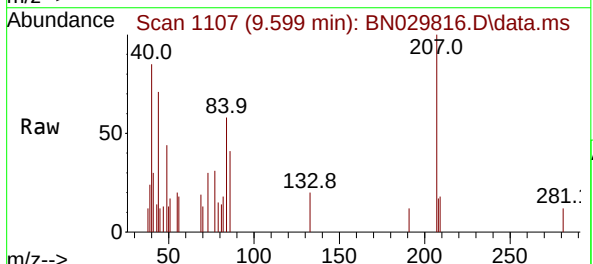
Instrument :
BNA_N
ClientSampleId :
C0AA7

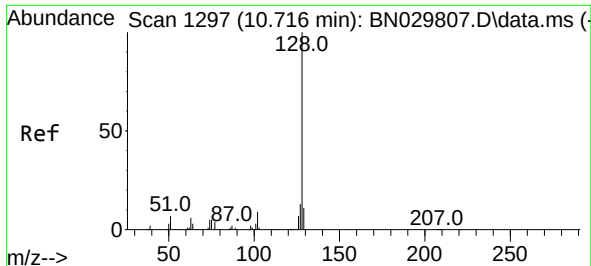
Tgt Ion: 77 Resp: 506
Ion Ratio Lower Upper
77 100
123 0.0 33.6 50.4#
65 0.0 10.6 16.0#



#23
Isophorone
Concen: 47.862 ng/ul
RT: 9.599 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion: 82 Resp: 253
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 12.6 19.0#

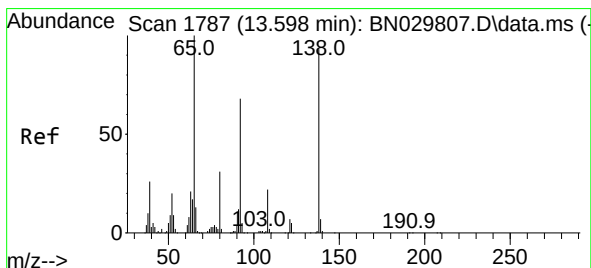
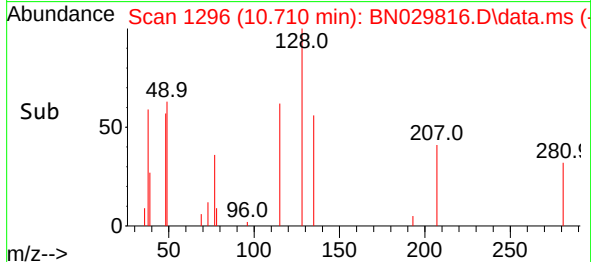
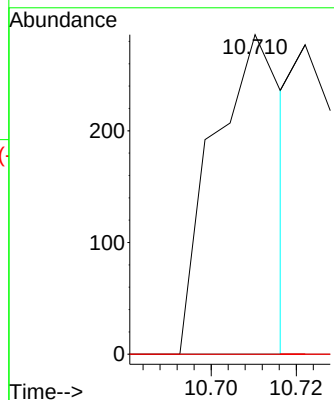
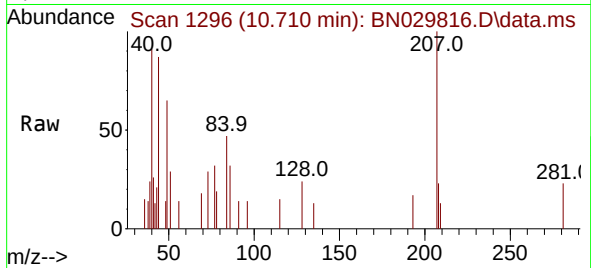




#30
Naphthalene
Concen: 41.202 ng/ul
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

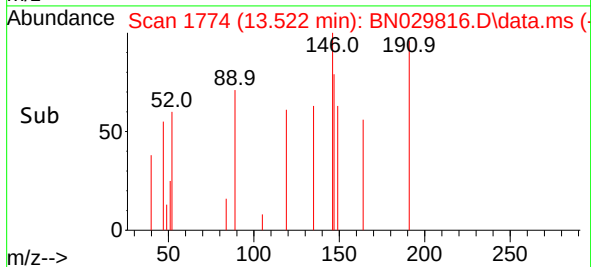
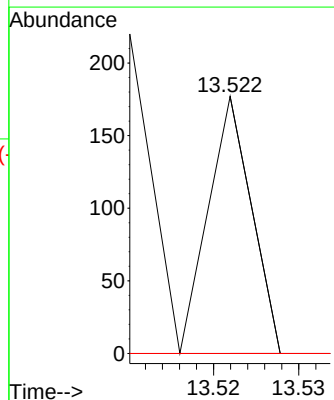
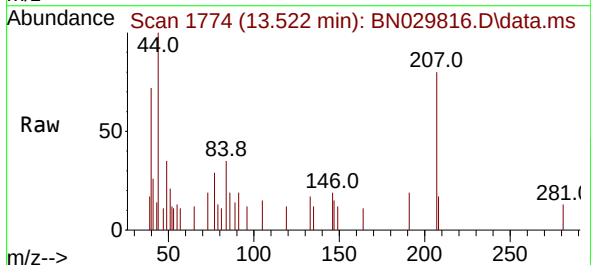
Instrument :
BNA_N
ClientSampleId :
C0AA7

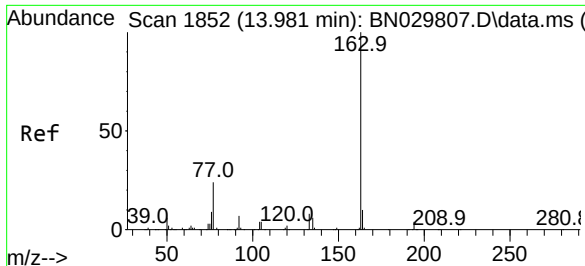
Tgt Ion:128 Resp: 325
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.6#
127 0.0 10.4 15.6#



#45
2-Nitroaniline
Concen: 8.044 ng/ul
RT: 13.522 min Scan# 1774
Delta R.T. -0.082 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 54.3 81.5#
138 0.0 71.2 106.8#

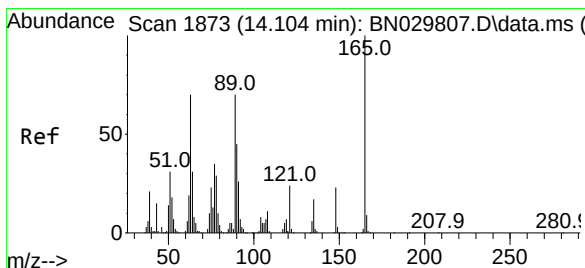
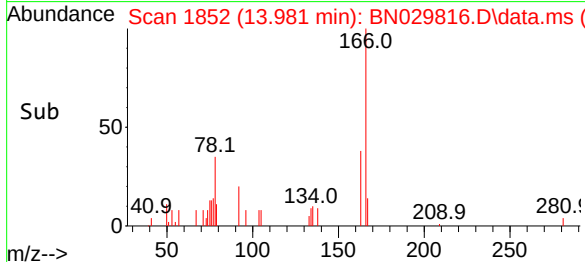
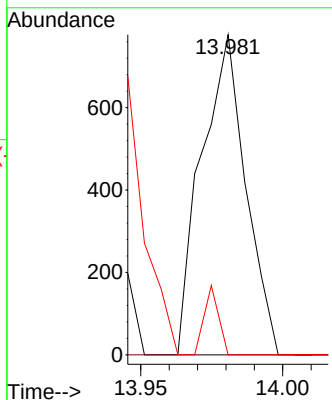
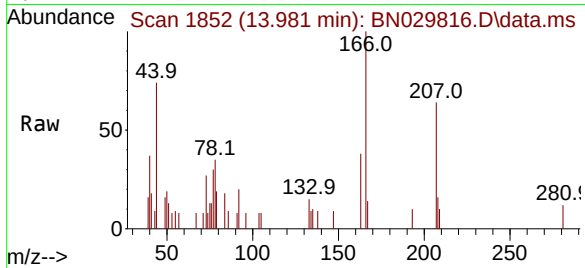




#47
Dimethylphthalate
Concen: 27.621 ng/ul
RT: 13.981 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

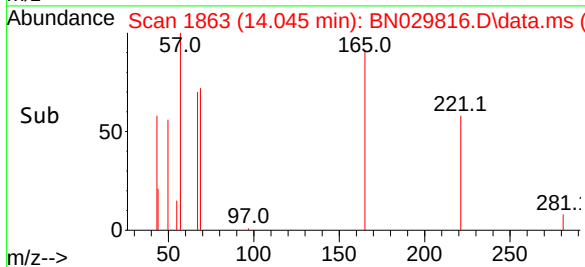
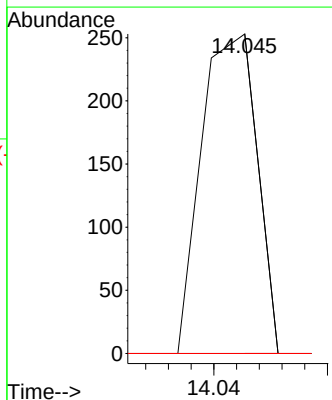
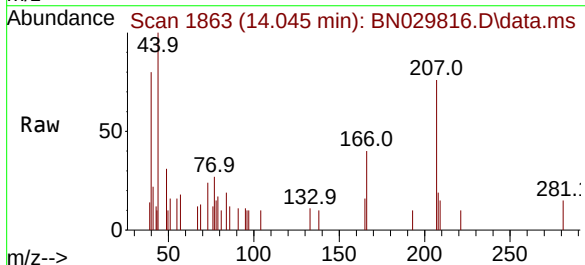
Instrument :
BNA_N
ClientSampleId :
C0AA7

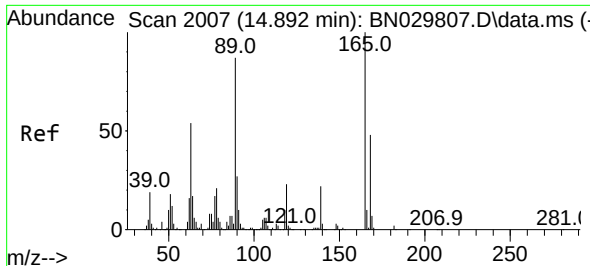
Tgt Ion:163 Resp: 842
Ion Ratio Lower Upper
163 100
194 0.0 2.7 4.1#
164 0.0 8.2 12.2#



#48
2,6-Dinitrotoluene
Concen: 31.531 ng/ul
RT: 14.045 min Scan# 1863
Delta R.T. -0.065 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion:165 Resp: 172
Ion Ratio Lower Upper
165 100
89 0.0 55.8 83.8#
121 0.0 19.8 29.6#

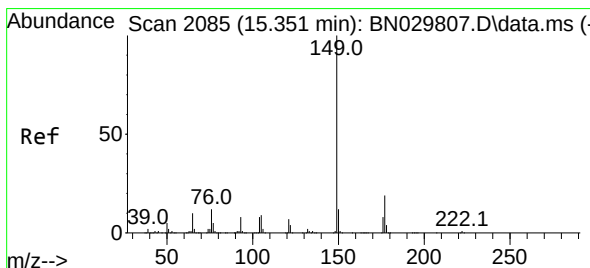
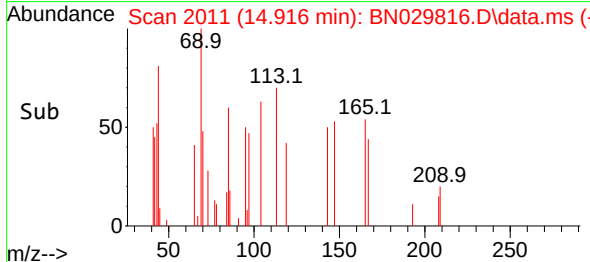
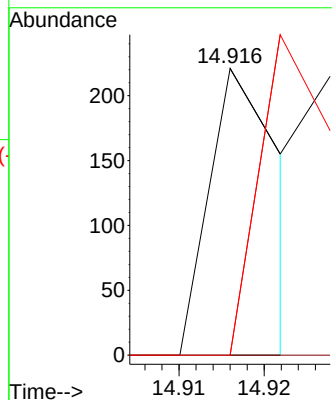
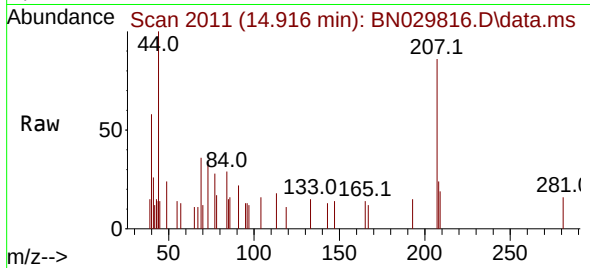




#57
2,4-Dinitrotoluene
Concen: 17.318 ng/ul
RT: 14.916 min Scan# 2011
Delta R.T. 0.029 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

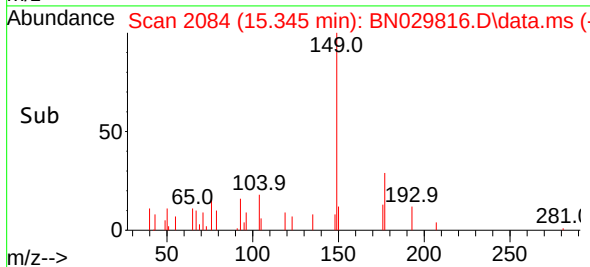
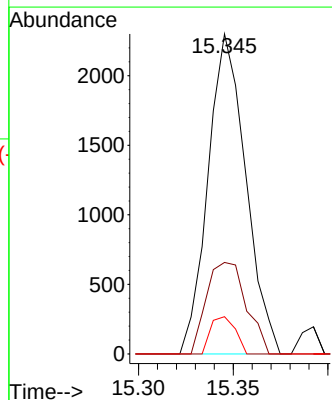
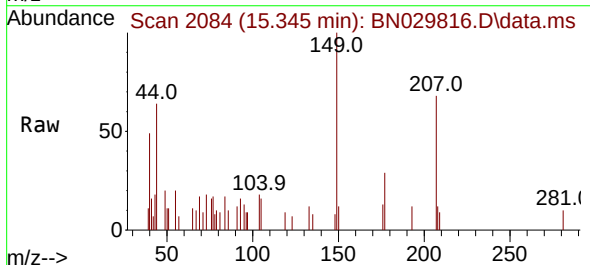
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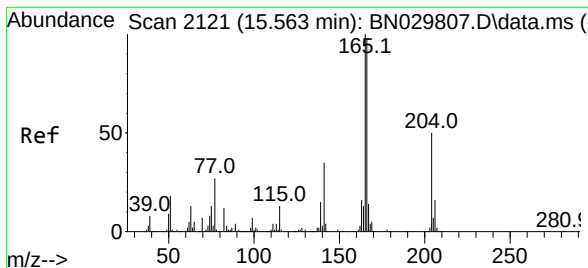
Tgt Ion:165 Resp: 133
Ion Ratio Lower Upper
165 100
63 0.0 46.7 70.1#
182 0.0 1.9 2.9#



#59
Diethylphthalate
Concen: 101.680 ng/ul
RT: 15.345 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion:149 Resp: 3184
Ion Ratio Lower Upper
149 100
177 28.6 15.8 23.6#
150 11.7 9.6 14.4





#61

Fluorene

Concen: 2.529 ng/ul

RT: 15.563 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

Instrument :

BNA_N

ClientSampleId :

C0AA7

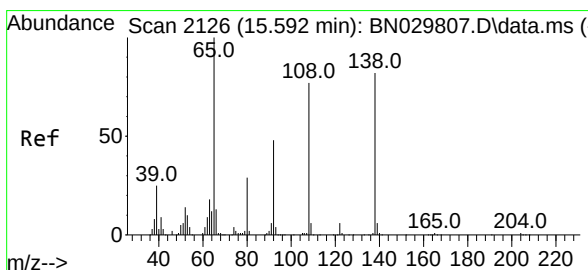
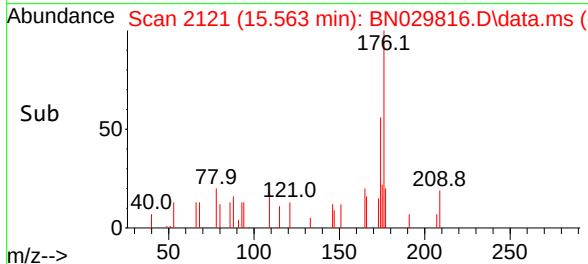
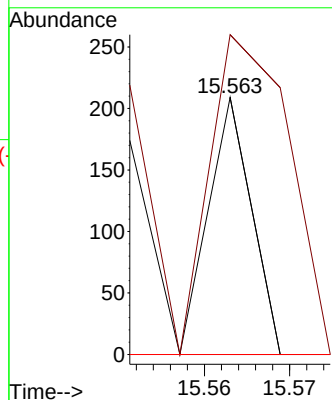
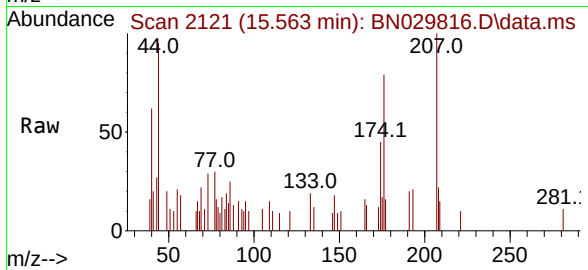
Tgt Ion:166 Resp: 74

Ion Ratio Lower Upper

166 100

165 124.4 77.4 116.0#

167 0.0 10.9 16.3#



#63

4-Nitroaniline

Concen: 75.566 ng/ul

RT: 15.622 min Scan# 2131

Delta R.T. 0.029 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

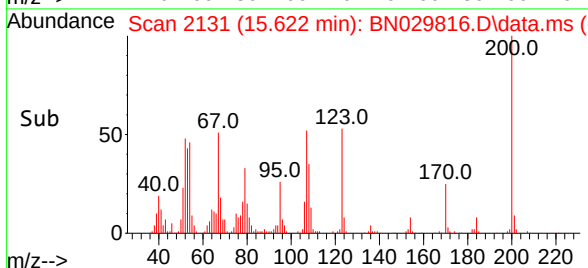
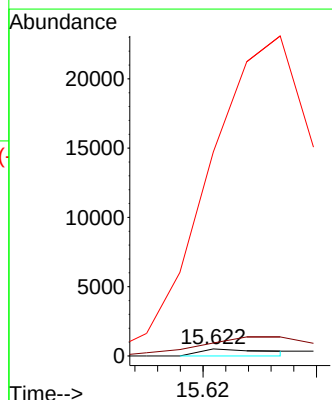
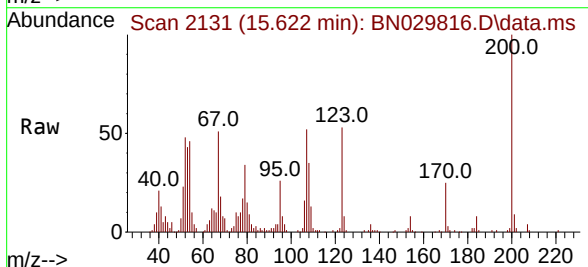
Tgt Ion:138 Resp: 433

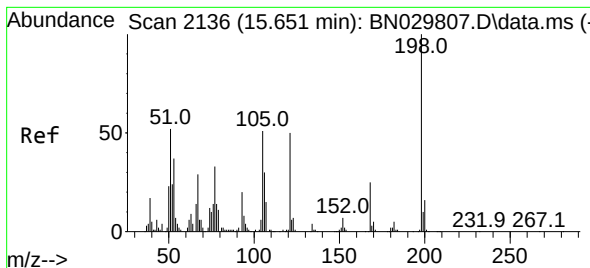
Ion Ratio Lower Upper

138 100

92 184.7 47.4 71.2#

108 2920.6 70.9 106.3#

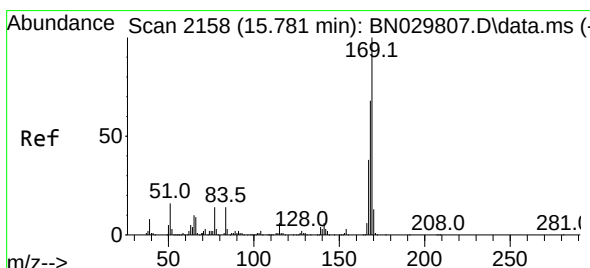
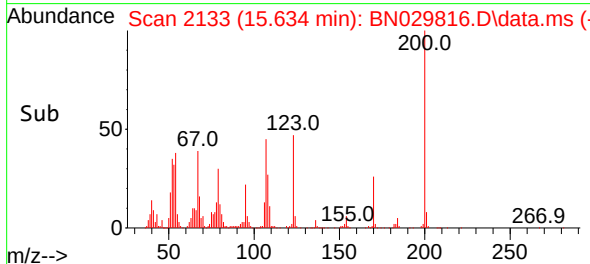
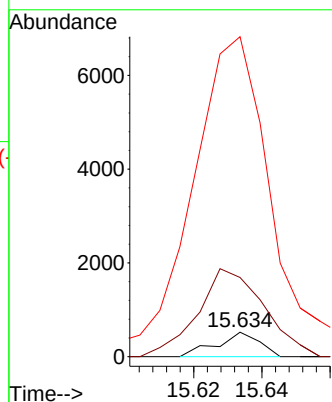
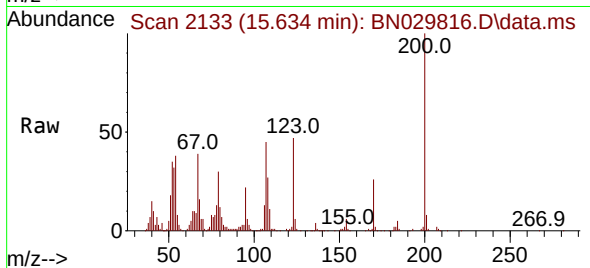




#66
4,6-Dinitro-2-methylphenol
Concen: 92.671 ng/ul
RT: 15.634 min Scan# 2133
Delta R.T. -0.018 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

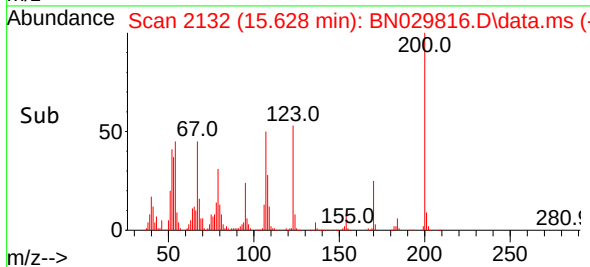
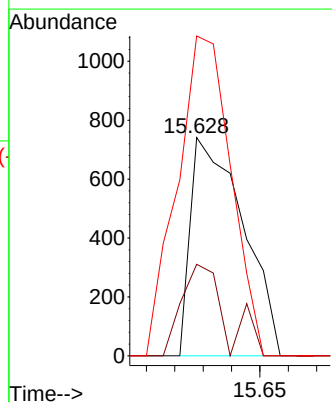
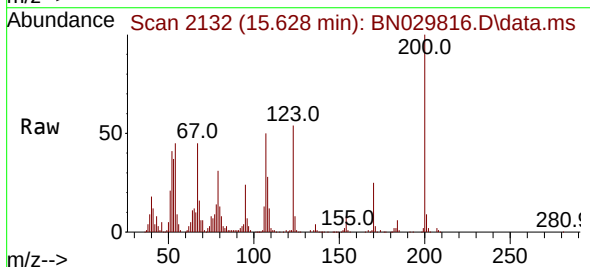
Instrument :
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ClientSampleId :
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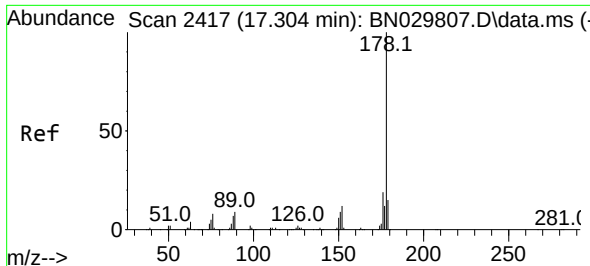
Tgt Ion:198 Resp: 456
Ion Ratio Lower Upper
198 100
182 323.8 3.9 5.9#
77 1307.9 29.8 44.8#



#67
N-Nitrosodiphenylamine
Concen: 33.422 ng/ul
RT: 15.628 min Scan# 2132
Delta R.T. -0.153 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

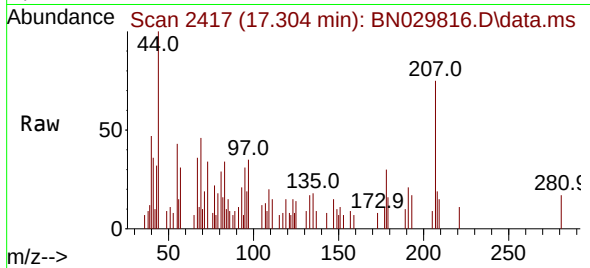
Tgt Ion:169 Resp: 954
Ion Ratio Lower Upper
169 100
168 42.0 54.5 81.7#
167 146.6 29.8 44.6#



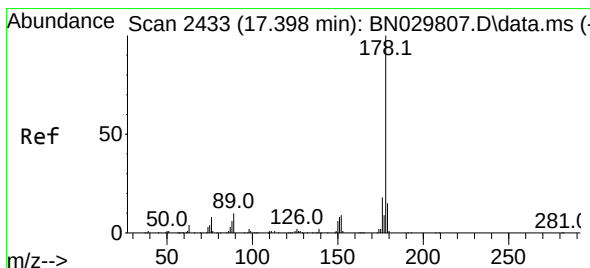
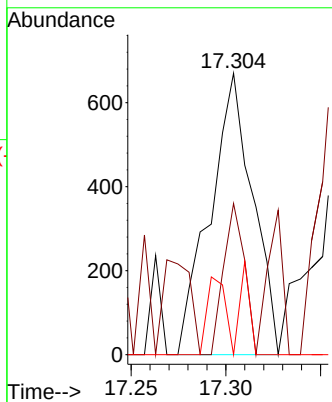
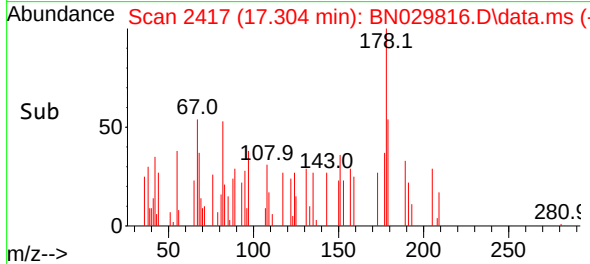


#72
Phenanthrene
Concen: 19.873 ng/u1
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

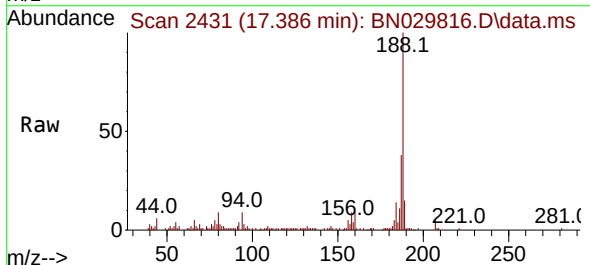
Instrument :
BNA_N
ClientSampleId :
C0AA7



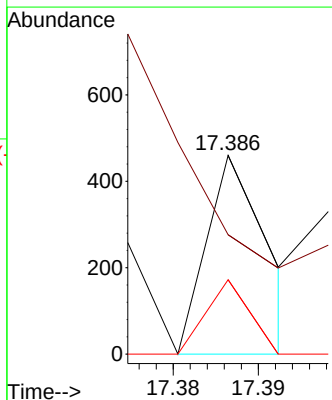
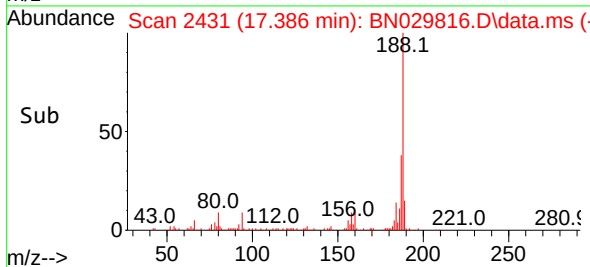
Tgt Ion:178 Resp: 1053
Ion Ratio Lower Upper
178 100
179 53.7 12.5 18.7#
176 0.0 15.7 23.5#

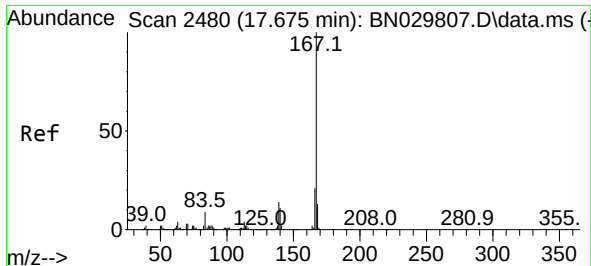


#74
Anthracene
Concen: 4.382 ng/u1
RT: 17.386 min Scan# 2431
Delta R.T. -0.012 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16



Tgt Ion:178 Resp: 233
Ion Ratio Lower Upper
178 100
179 60.0 11.6 17.4#
176 37.4 14.2 21.2#

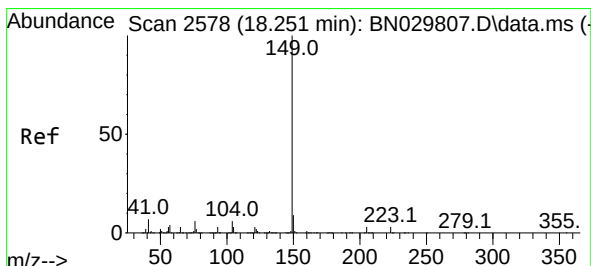
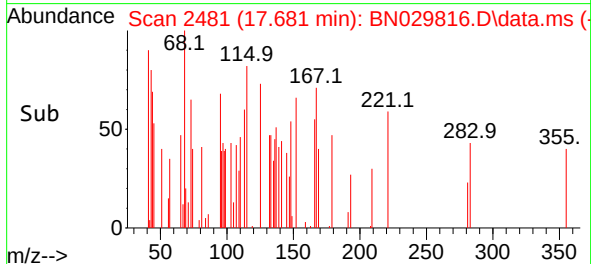
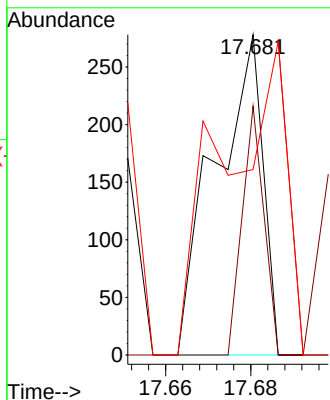
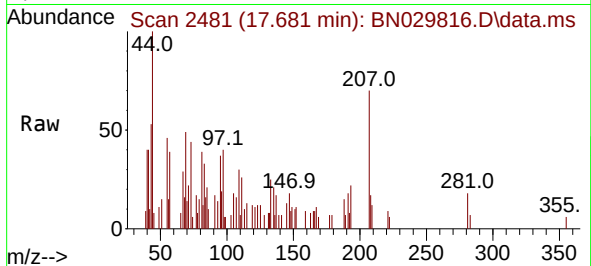




#77
 Carbazole
 Concen: 4.447 ng/ul
 RT: 17.681 min Scan# 2481
 Delta R.T. 0.006 min
 Lab File: BN029816.D
 Acq: 15 Feb 2024 20:16

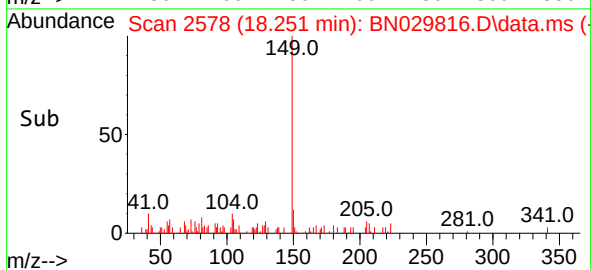
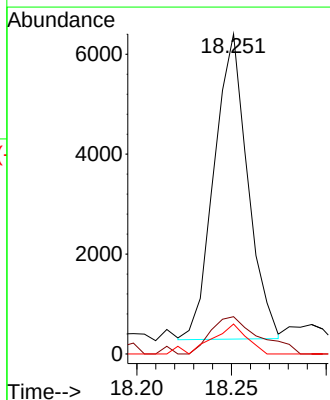
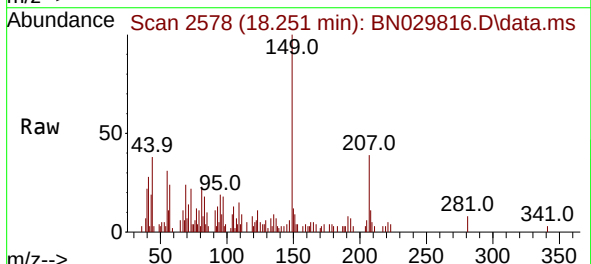
Instrument :
 BNA_N
 ClientSampleId :
 C0AA7

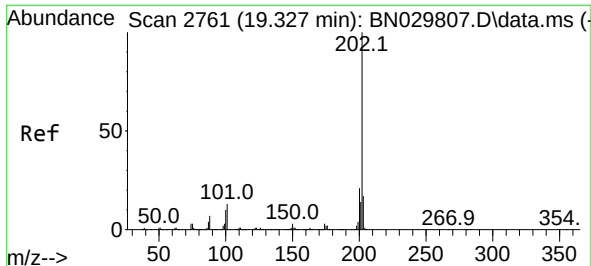
Tgt Ion:167 Resp: 216
 Ion Ratio Lower Upper
 167 100
 166 77.7 16.6 25.0#
 139 57.9 11.4 17.0#



#78
 Di-n-butylphthalate
 Concen: 128.666 ng/ul
 RT: 18.251 min Scan# 2578
 Delta R.T. -0.000 min
 Lab File: BN029816.D
 Acq: 15 Feb 2024 20:16

Tgt Ion:149 Resp: 7515
 Ion Ratio Lower Upper
 149 100
 150 11.7 7.0 10.4#
 104 9.3 4.7 7.1#

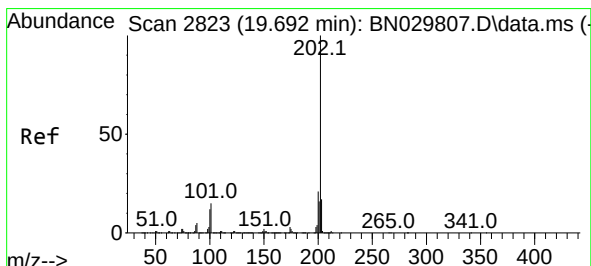
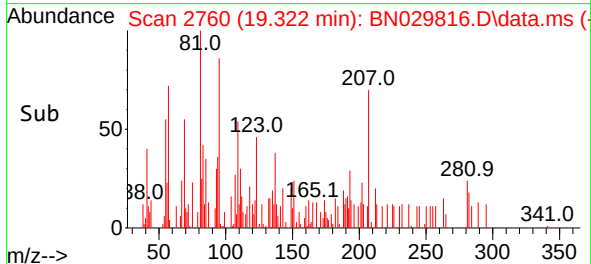
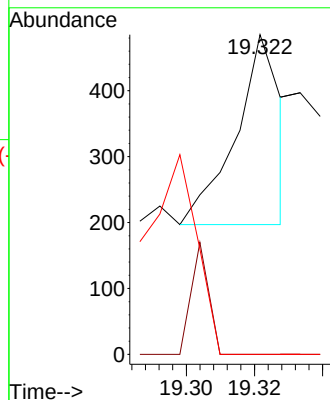
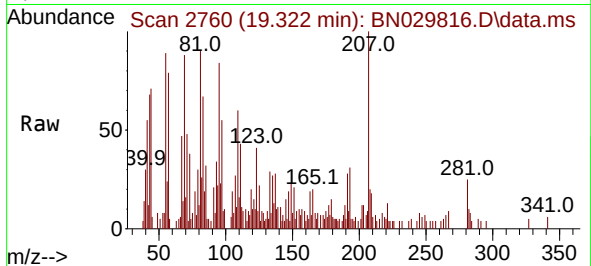




#80
Fluoranthene
Concen: 2.081 ng/ul
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

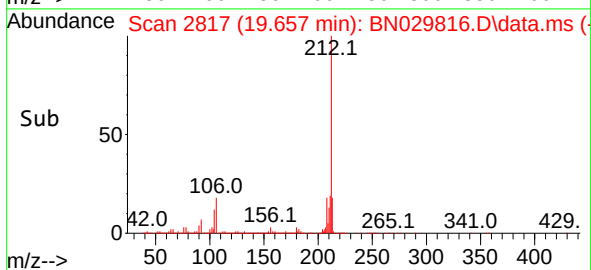
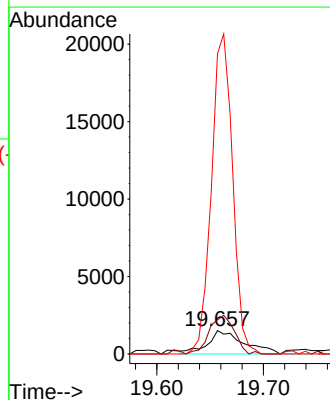
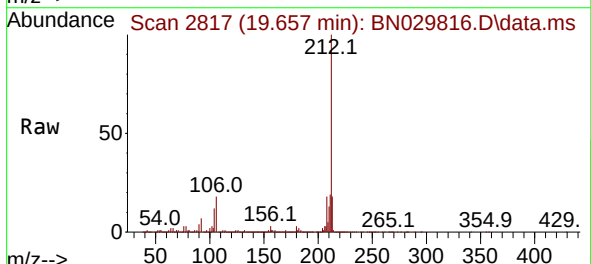
Instrument :
BNA_N
ClientSampleId :
C0AA7

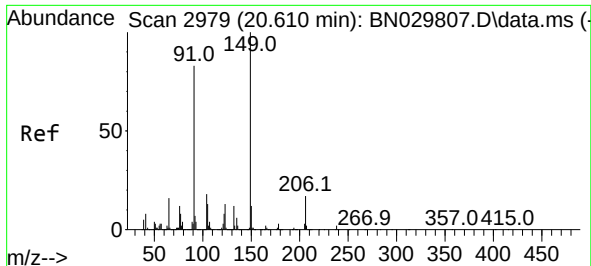
Tgt Ion:202 Resp: 264
Ion Ratio Lower Upper
202 100
101 0.0 11.1 16.7#
100 0.0 8.9 13.3#



#82
Pyrene
Concen: 26.605 ng/ul
RT: 19.657 min Scan# 2817
Delta R.T. -0.035 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion:202 Resp: 3570
Ion Ratio Lower Upper
202 100
101 145.3 14.2 21.4#
100 1281.5 11.4 17.2#

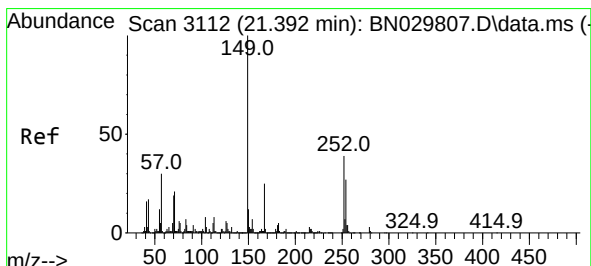
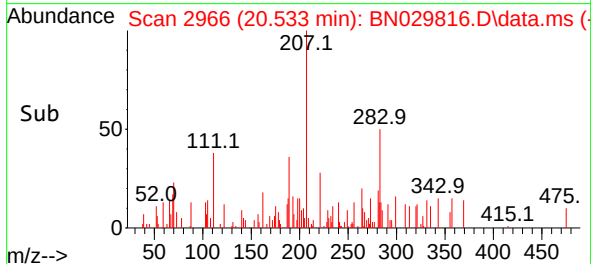
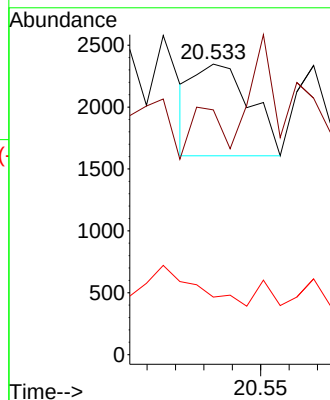
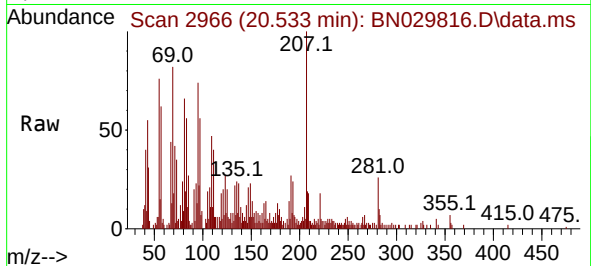




#83
Butylbenzylphthalate
Concen: 18.834 ng/ul
RT: 20.533 min Scan# 2979
Delta R.T. -0.082 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

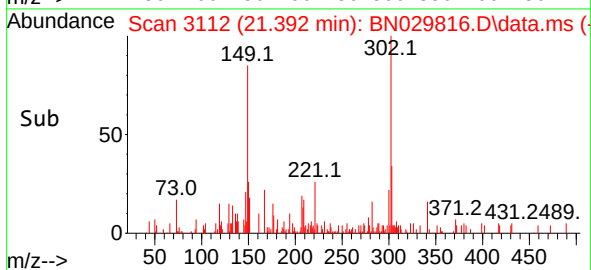
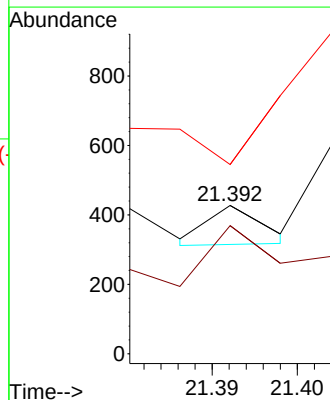
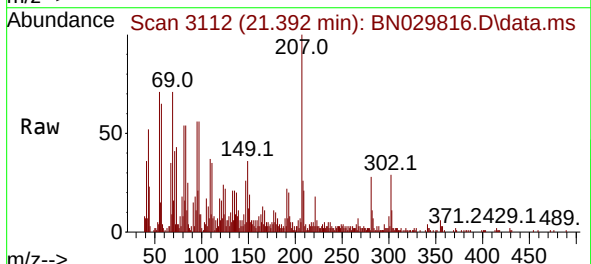
Instrument :
BNA_N
ClientSampleId :
C0AA7

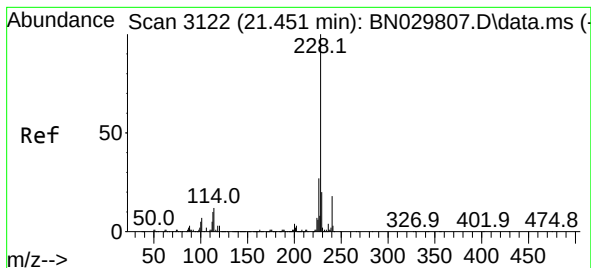
Tgt Ion:149	Resp:	1030
Ion Ratio	Lower	Upper
149	100	
91	84.3	70.0 105.0
206	19.8	14.1 21.1



#84
3,3'-Dichlorobenzidine
Concen: 1.484 ng/ul
RT: 21.392 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion:252	Resp:	50
Ion Ratio	Lower	Upper
252	100	
254	86.4	49.8 74.6#
126	127.6	12.2 18.4#





#85

Benzo(a)anthracene

Concen: 3.528 ng/ul

RT: 21.445 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

Instrument :

BNA_N

ClientSampleId :

C0AA7

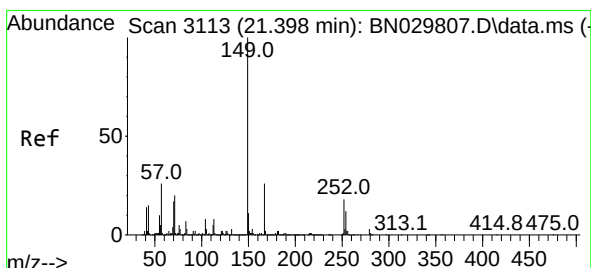
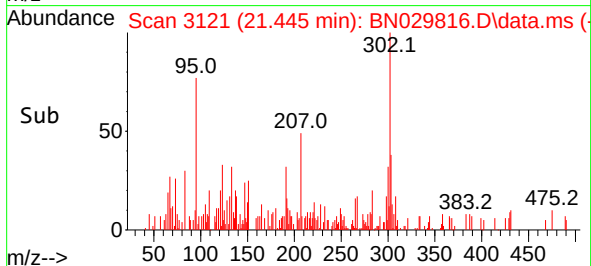
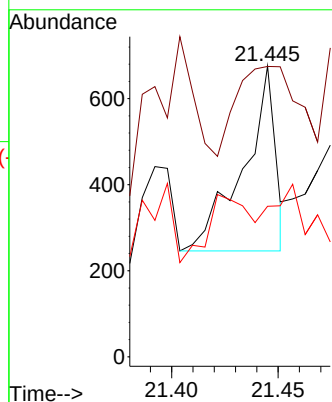
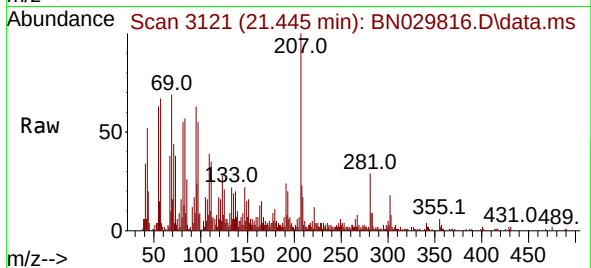
Tgt Ion:228 Resp: 451

Ion Ratio Lower Upper

228 100

229 99.9 15.0 22.6#

226 51.8 21.0 31.6#



#86

Bis(2-ethylhexyl)phthalate

Concen: 63.741 ng/ul

RT: 21.392 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

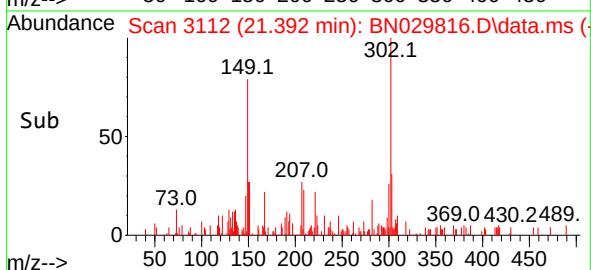
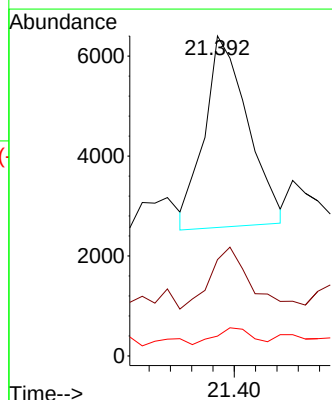
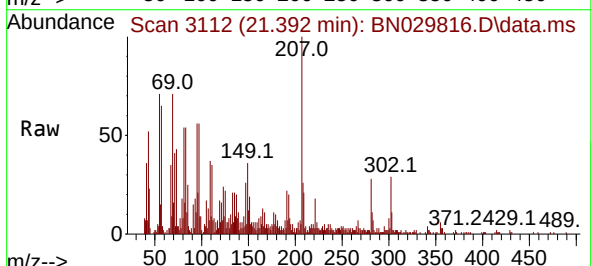
Tgt Ion:149 Resp: 5392

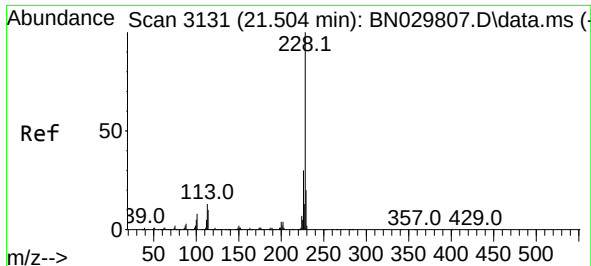
Ion Ratio Lower Upper

149 100

167 30.1 20.6 30.8

279 6.2 2.7 4.1#





#87

Chrysene

Concen: 2.913 ng/ul

RT: 21.510 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

Instrument :

BNA_N

ClientSampleId :

C0AA7

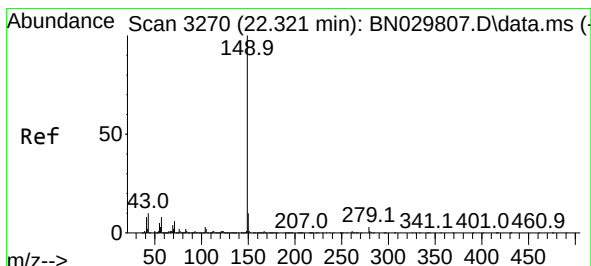
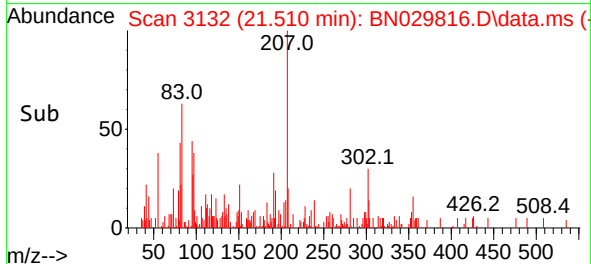
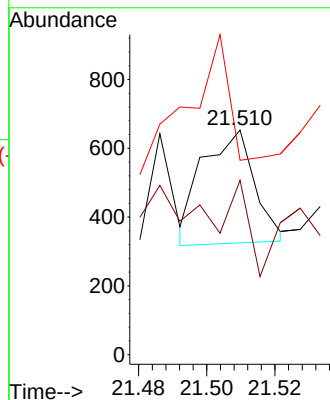
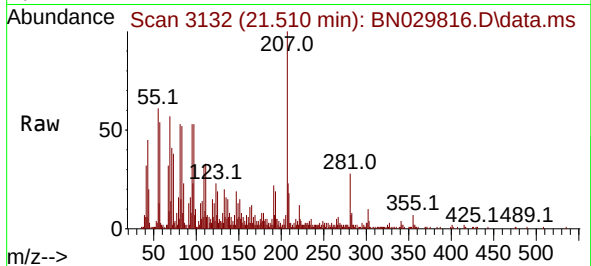
Tgt Ion:228 Resp: 349

Ion Ratio Lower Upper

228 100

226 77.6 24.6 37.0#

229 86.5 16.2 24.4#



#89

Di-n-octyl phthalate

Concen: 23.073 ng/ul

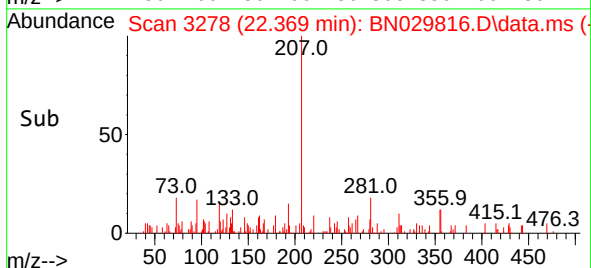
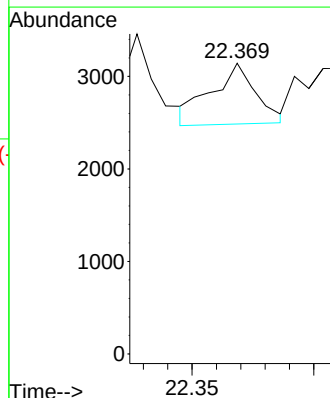
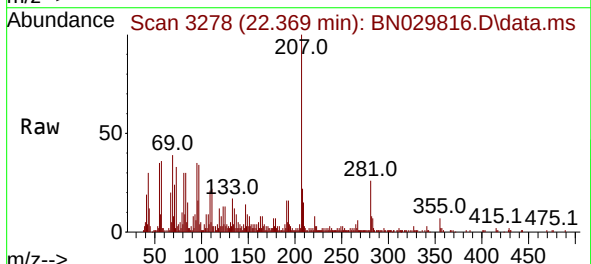
RT: 22.369 min Scan# 3278

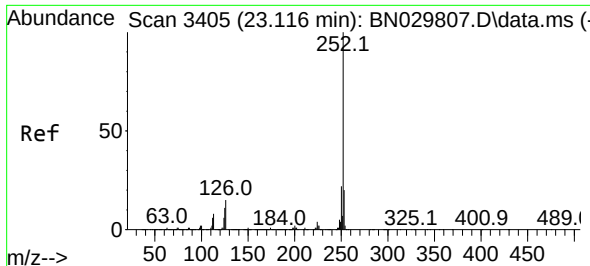
Delta R.T. 0.041 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

Tgt Ion:149 Resp: 837

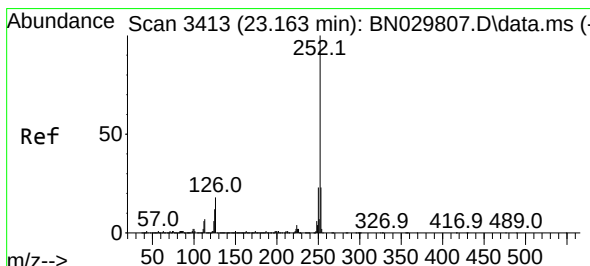
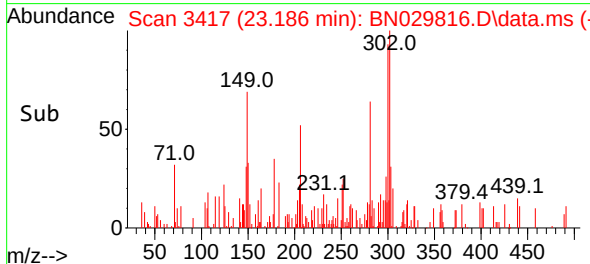
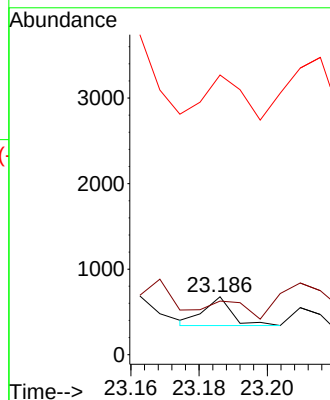
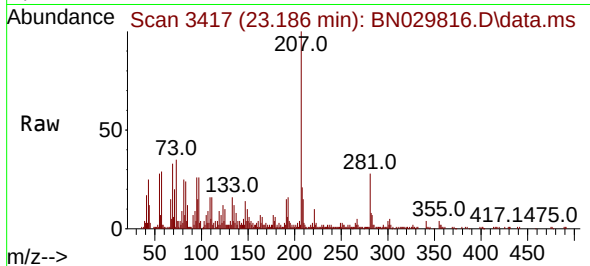




#90
Benzo(b)fluoranthene
Concen: 6.479 ng/ul
RT: 23.186 min Scan# 3417
Delta R.T. 0.070 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

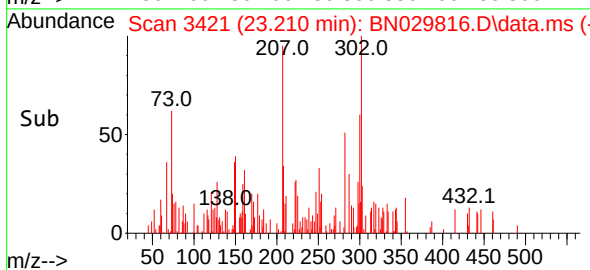
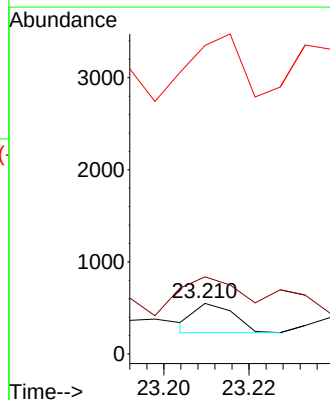
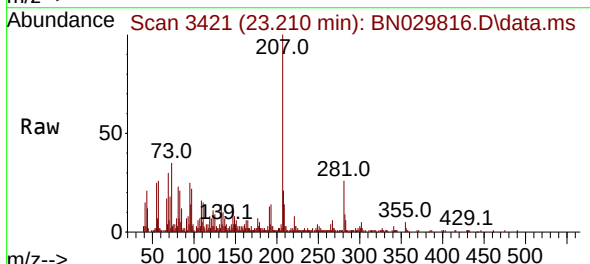
Instrument :
BNA_N
ClientSampleId :
C0AA7

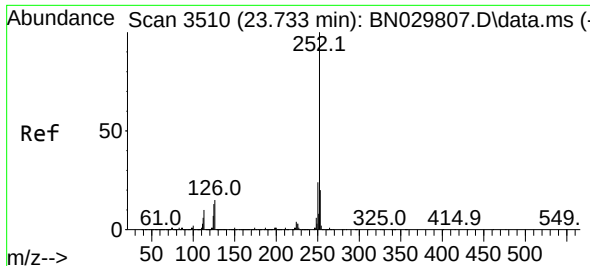
Tgt Ion:252 Resp: 191
Ion Ratio Lower Upper
252 100
253 92.3 17.5 26.3#
125 482.2 11.1 16.7#



#91
Benzo(k)fluoranthene
Concen: 6.695 ng/ul
RT: 23.210 min Scan# 3421
Delta R.T. 0.047 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion:252 Resp: 202
Ion Ratio Lower Upper
252 100
253 152.4 18.2 27.4#
125 609.1 11.2 16.8#

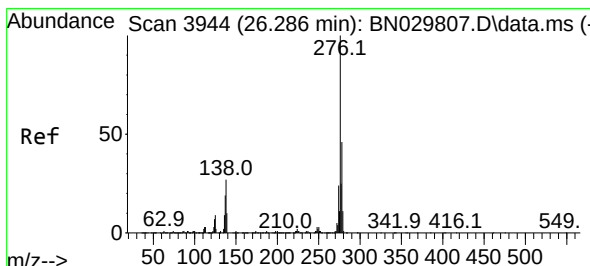
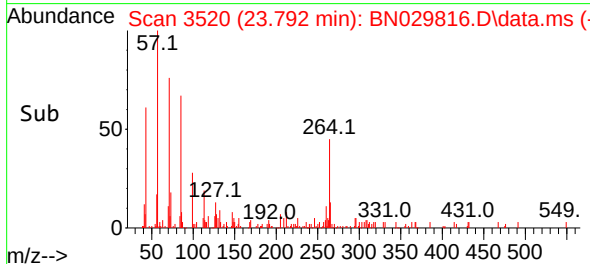
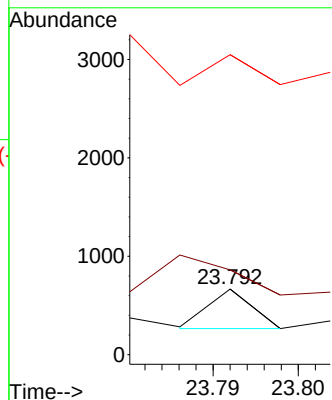
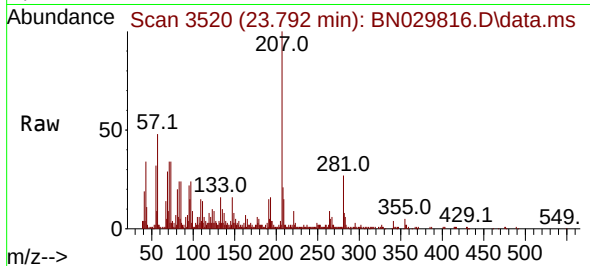




#93
Benzo(a)pyrene
Concen: 5.023 ng/ul
RT: 23.792 min Scan# 31
Delta R.T. 0.065 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

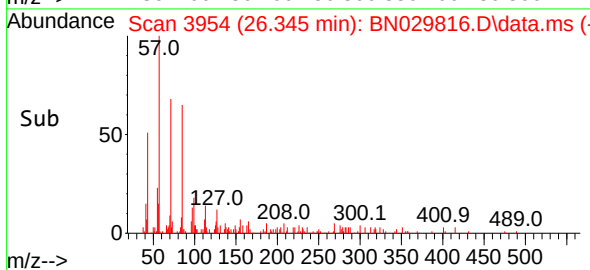
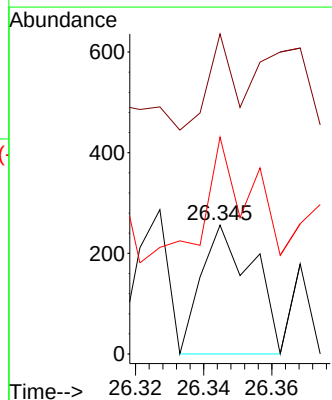
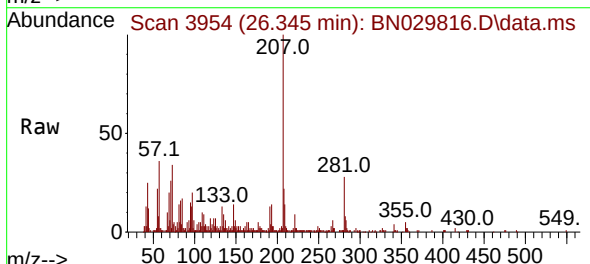
Instrument :
BNA_N
ClientSampleId :
C0AA7

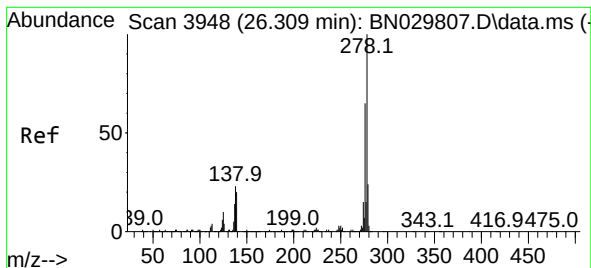
Tgt Ion:252 Resp: 142
Ion Ratio Lower Upper
252 100
253 129.2 18.8 28.2#
125 457.1 12.2 18.2#



#94
Indeno(1,2,3-cd)pyrene
Concen: 7.843 ng/ul
RT: 26.345 min Scan# 3954
Delta R.T. 0.065 min
Lab File: BN029816.D
Acq: 15 Feb 2024 20:16

Tgt Ion:276 Resp: 270
Ion Ratio Lower Upper
276 100
138 248.4 21.7 32.5#
277 168.4 17.8 26.8#





#95

Dibenzo(a,h)anthracene

Concen: 2.348 ng/ul

RT: 26.392 min Scan# 3948

Delta R.T. 0.076 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

Instrument :

BNA_N

ClientSampleId :

C0AA7

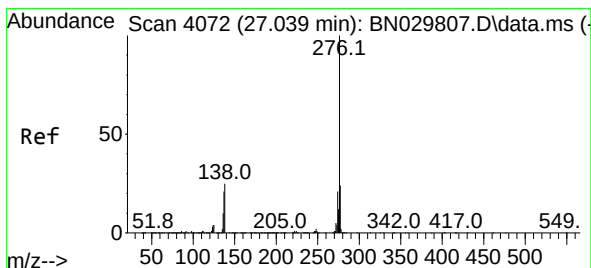
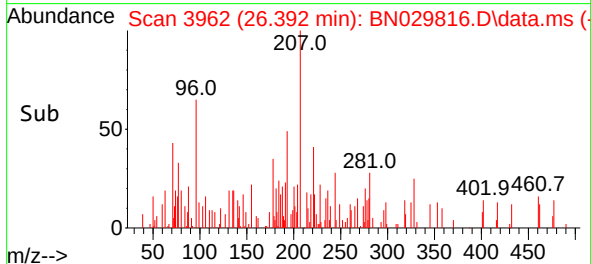
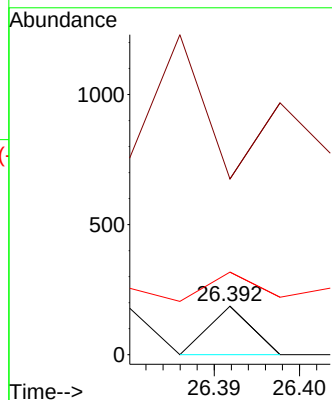
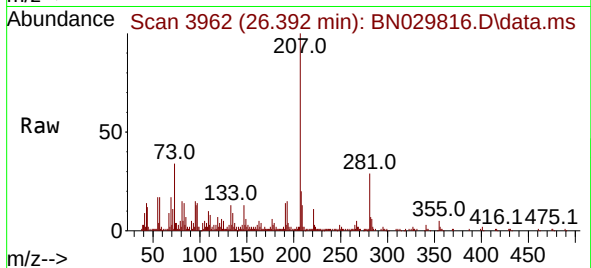
Tgt Ion:278 Resp: 66

Ion Ratio Lower Upper

278 100

139 362.9 17.8 26.6#

279 170.4 19.4 29.2#



#96

Benzo(g,h,i)perylene

Concen: 7.224 ng/ul

RT: 27.104 min Scan# 4083

Delta R.T. 0.070 min

Lab File: BN029816.D

Acq: 15 Feb 2024 20:16

Tgt Ion:276 Resp: 208

Ion Ratio Lower Upper

276 100

138 226.3 23.9 35.9#

277 82.8 18.6 28.0#

