

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021424\
 Data File : BN029815.D
 Acq On : 15 Feb 2024 19:40
 Operator : MA/JU
 Sample : P1329-22
 Misc :
 ALS Vial : 95 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 15 21:52:20 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	7.869	152	165408	20.000	ng/ul	0.00
20) Naphthalene-d8	10.669	136	596464	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.516	164	361262	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.263	188	742804	20.000	ng/ul	0.00
79) Chrysene-d12	21.469	240	578731	20.000	ng/ul	0.00
88) Perylene-d12	23.851	264	693238	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	18594	3.697	ng/uL	0.00
4) Pyridine-d5	3.734	84	184076	13.726	ng/ul	0.00
7) Phenol-d5	7.034	99	338949	21.908	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	257725	24.960	ng/ul	0.00
11) 2-Chlorophenol-d4	7.399	132	270170	24.098	ng/ul	0.00
15) 4-Methylphenol-d8	8.581	113	166576	14.437	ng/ul	0.00
21) Nitrobenzene-d5	9.034	128	131004	28.299	ng/ul	0.00
24) 2-Nitrophenol-d4	9.752	143	130573	32.386	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.287	165	224292	28.184	ng/ul	0.00
31) 4-Chloroaniline-d4	10.816	131	192198	14.156	ng/ul	0.00
46) Dimethylphthalate-d6	13.934	166	661045	24.578	ng/ul	0.00
49) Acenaphthylene-d8	14.210	160	799650	25.035	ng/ul	0.00
54) 4-Nitrophenol-d4	14.722	143	107371	21.033	ng/ul	0.00
60) Fluorene-d10	15.510	176	570200	24.920	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	68394	18.897	ng/ul	0.00
73) Anthracene-d10	17.363	188	837553	24.059	ng/ul	0.00
81) Pyrene-d10	19.663	212	965595	27.803	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.692	264	886078	25.544	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.016	77	40274	5.807	ng/ul#	43
8) Phenol	7.063	94	31692	1.999	ng/ul	91
16) Acetophenone	8.699	105	29957	1.631	ng/ul#	80
17) N-Nitroso-di-n-propyla...	8.740	70	56777	5.988	ng/ul#	69
19) Hexachloroethane	8.969	117	41851	7.667	ng/ul#	17
22) Nitrobenzene	9.099	77	18290	1.394	ng/ul#	24
23) Isophorone	9.581	82	137084	6.000	ng/ul#	1
25) 2-Nitrophenol	9.781	139	14281	3.102	ng/ul#	1
26) 2,4-Dimethylphenol	9.857	107	81270	7.365	ng/ul#	37
30) Naphthalene	10.716	128	80282	2.355	ng/ul#	69
32) 4-Chloroaniline	10.893	127	13897	1.037	ng/ul	99
34) Caprolactam	11.593	113	61369	22.427	ng/ul#	1
35) 4-Chloro-3-methylphenol	11.951	107	19935	2.099	ng/ul#	25
36) 2-Methylnaphthalene	12.340	142	193530	9.260	ng/ul	99
37) 1-Methylnaphthalene	12.557	142	176910	8.538	ng/ul#	99
43) 1,1'-Biphenyl	13.351	154	56433	1.852	ng/ul#	78
47) Dimethylphthalate	13.981	163	288297	10.471	ng/ul#	96
48) 2,6-Dinitrotoluene	14.122	165	12846	2.607	ng/ul#	25
51) 3-Nitroaniline	14.416	138	14132	2.465	ng/ul#	28
55) 4-Nitrophenol	14.728	109	5903	1.265	ng/ul#	20
72) Phenanthrene	17.304	178	93389	2.173	ng/ul#	95
80) Fluoranthene	19.328	202	622490	14.755	ng/ul	96
82) Pyrene	19.692	202	365590	8.191	ng/ul	94
83) Butylbenzylphthalate	20.616	149	20971	1.153	ng/ul#	60

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

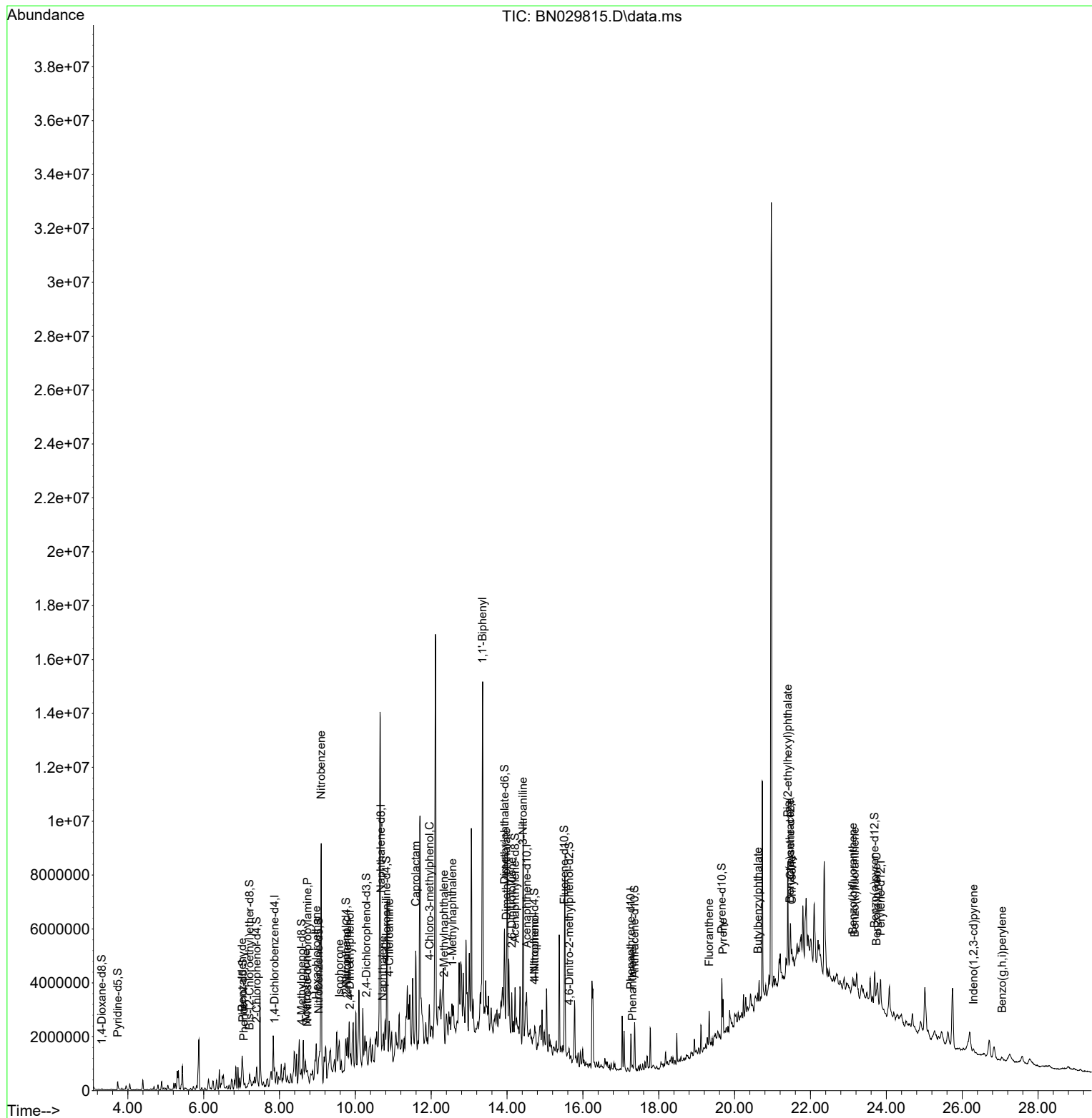
85) Benzo(a)anthracene	21.457	228	164201	3.862	ng/ul#	90
86) Bis(2-ethylhexyl)phtha...	21.404	149	1408198	50.050	ng/ul	98
87) Chrysene	21.510	228	205932	5.169	ng/ul#	94
90) Benzo(b)fluoranthene	23.121	252	274062	6.276	ng/ul#	66
91) Benzo(k)fluoranthene	23.169	252	89679	2.007	ng/ul#	42
93) Benzo(a)pyrene	23.739	252	154834	3.698	ng/ul#	65
94) Indeno(1,2,3-cd)pyrene	26.298	276	105121	2.062	ng/ul	92
96) Benzo(g,h,i)perylene	27.051	276	99257	2.327	ng/ul	96

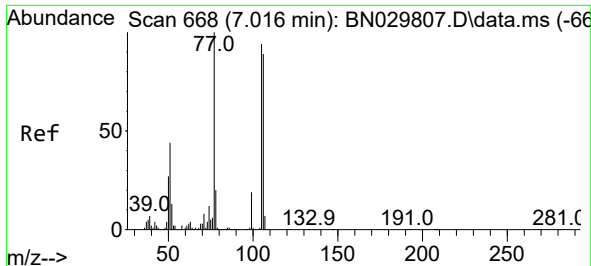
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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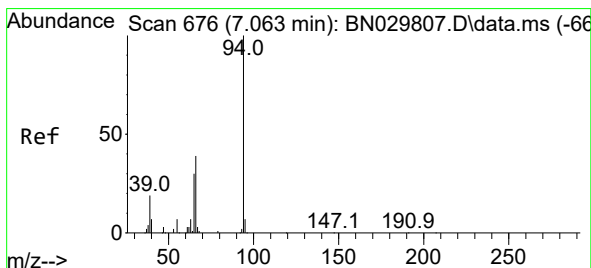
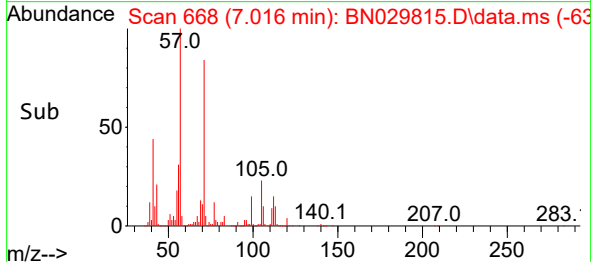
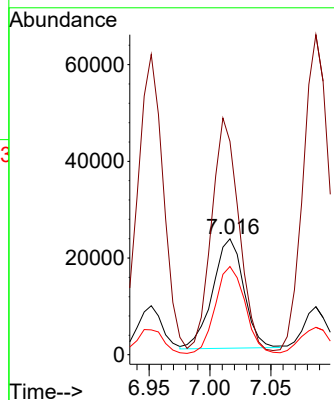
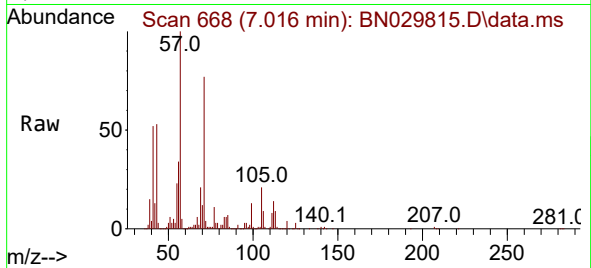




#6
Benzaldehyde
Concen: 5.807 ng/ul
RT: 7.016 min Scan# 668
Delta R.T. -0.000 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

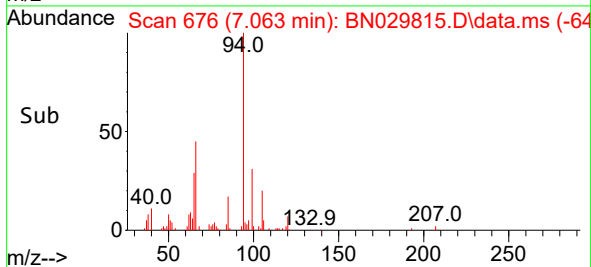
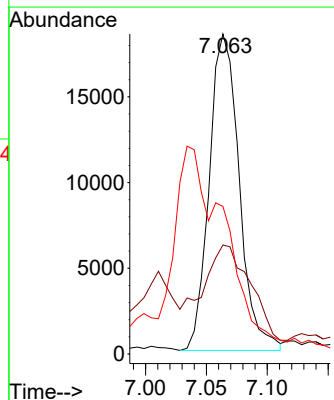
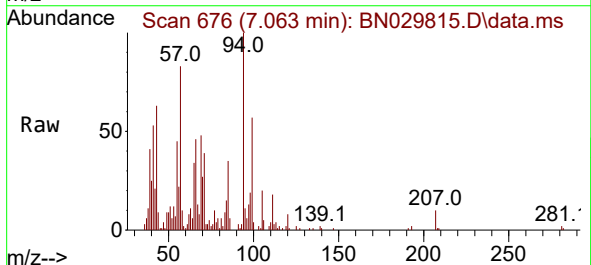
Instrument :
BNA_N
ClientSampleId :

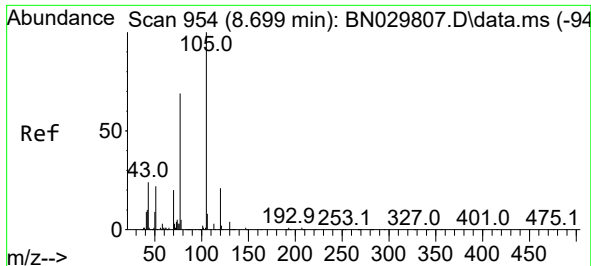
Tgt Ion: 77 Resp: 40274
Ion Ratio Lower Upper
77 100
105 184.2 71.0 106.4#
106 76.2 69.4 104.0



#8
Phenol
Concen: 1.999 ng/ul
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Tgt Ion: 94 Resp: 31692
Ion Ratio Lower Upper
94 100
65 34.0 23.9 35.9
66 46.1 32.2 48.2

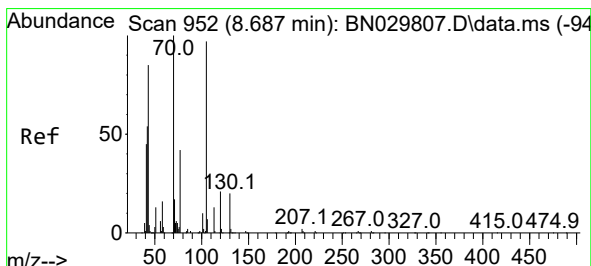
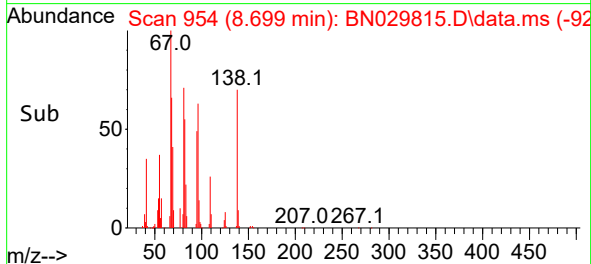
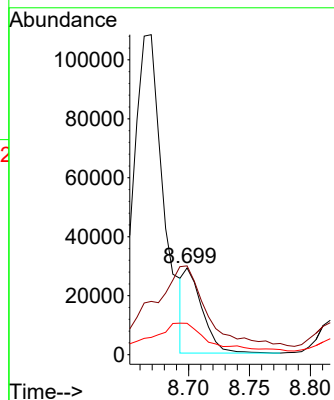
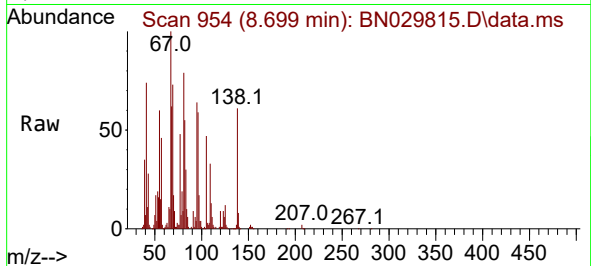




#16
Acetophenone
Concen: 1.631 ng/ul
RT: 8.699 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

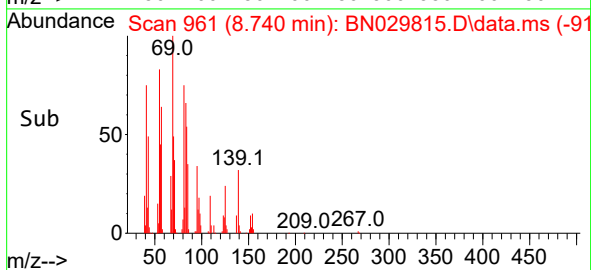
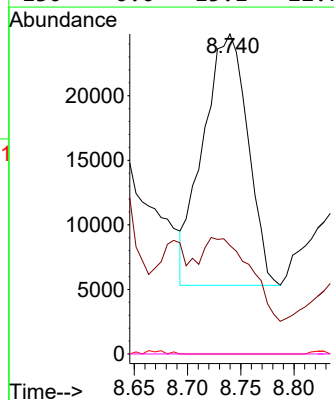
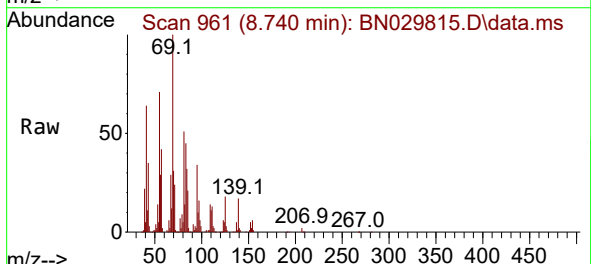
Instrument :
BNA_N
ClientSampleId :

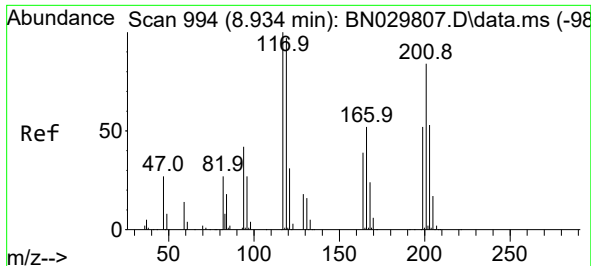
Tgt Ion:105 Resp: 29957
Ion Ratio Lower Upper
105 100
77 102.4 67.4 101.0#
51 36.2 20.7 31.1#



#17
N-Nitroso-di-n-propylamine
Concen: 5.988 ng/ul
RT: 8.740 min Scan# 961
Delta R.T. 0.053 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Tgt Ion: 70 Resp: 56777
Ion Ratio Lower Upper
70 100
42 33.9 43.0 64.4#
101 0.0 7.4 11.2#
130 0.0 15.1 22.7#





#19

Hexachloroethane

Concen: 7.667 ng/ul

RT: 8.969 min Scan# 1000

Delta R.T. 0.029 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :

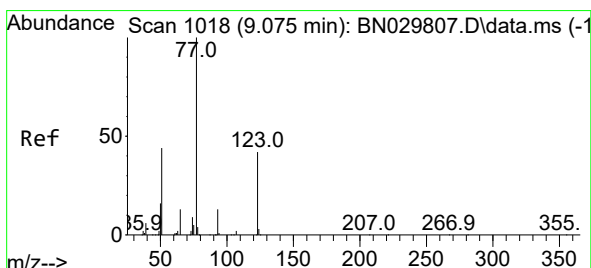
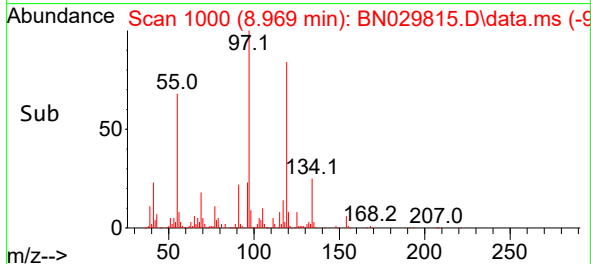
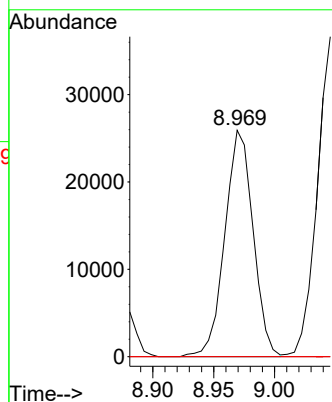
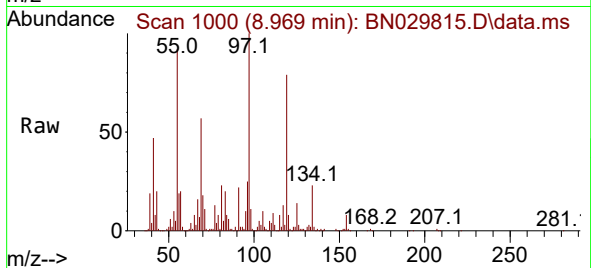
Tgt Ion:117 Resp: 41851

Ion Ratio Lower Upper

117 100

201 0.0 64.4 96.6#

199 0.0 38.3 57.5#



#22

Nitrobenzene

Concen: 1.394 ng/ul

RT: 9.099 min Scan# 1022

Delta R.T. 0.018 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

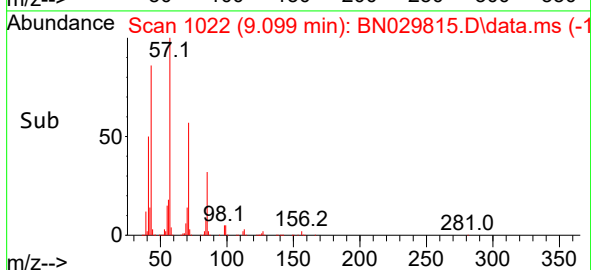
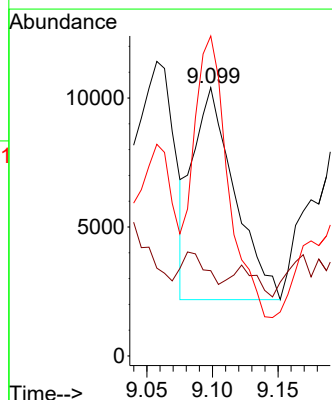
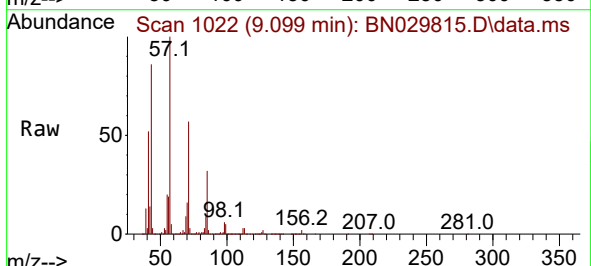
Tgt Ion: 77 Resp: 18290

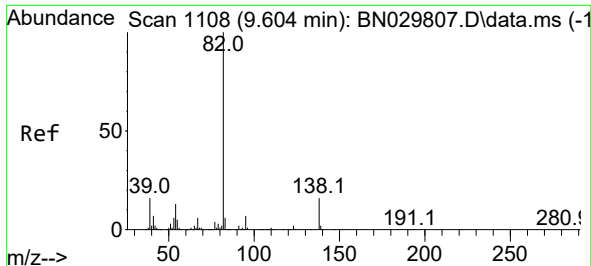
Ion Ratio Lower Upper

77 100

123 31.8 33.6 50.4#

65 119.3 10.6 16.0#

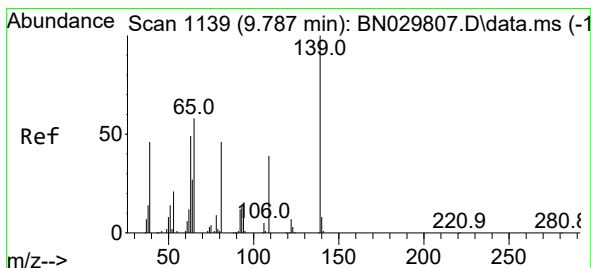
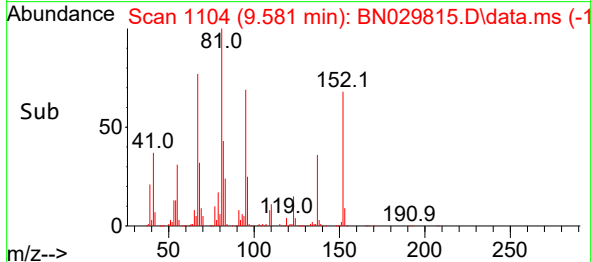
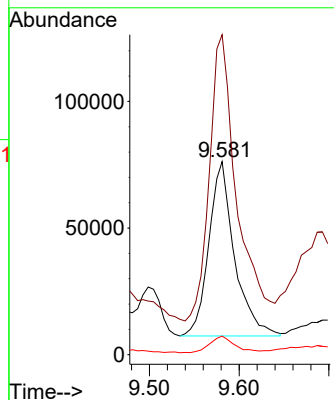
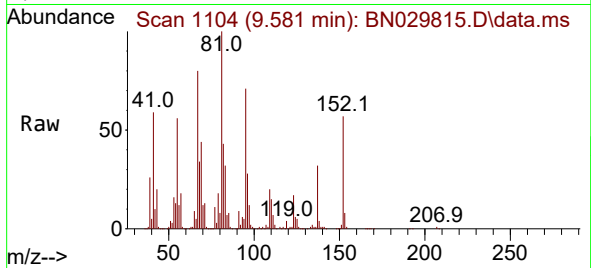




#23
Isophorone
Concen: 6.000 ng/ul
RT: 9.581 min Scan# 1104
Delta R.T. -0.024 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

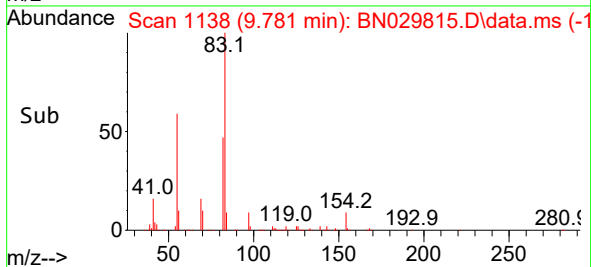
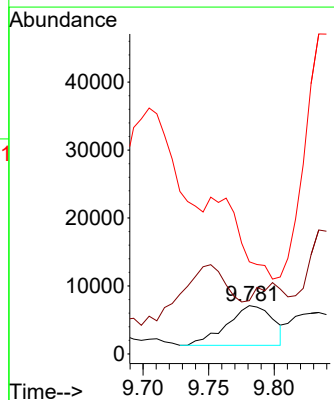
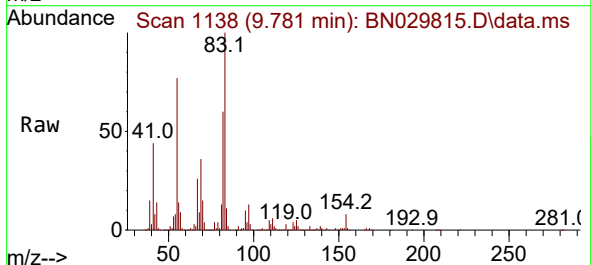
Instrument :
BNA_N
ClientSampleId :

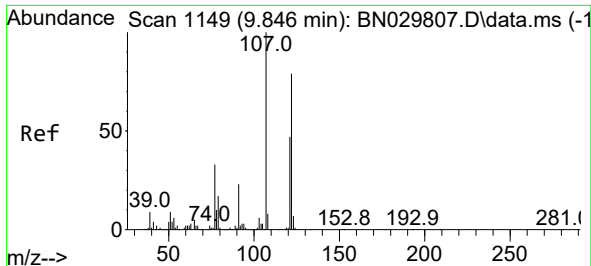
Tgt Ion: 82 Resp: 137084
Ion Ratio Lower Upper
82 100
95 165.7 5.8 8.6#
138 9.7 12.6 19.0#



#25
2-Nitrophenol
Concen: 3.102 ng/ul
RT: 9.781 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

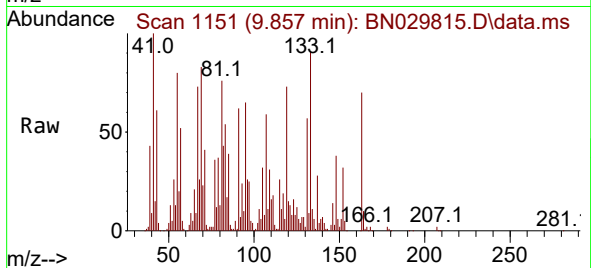
Tgt Ion:139 Resp: 14281
Ion Ratio Lower Upper
139 100
65 110.4 46.6 70.0#
109 190.6 27.0 40.4#



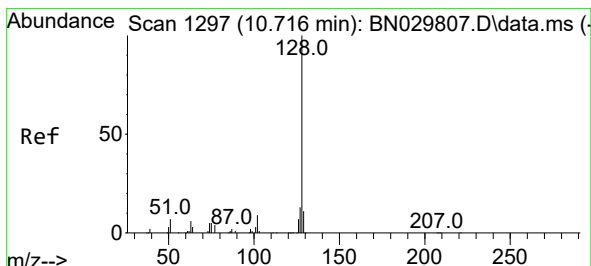
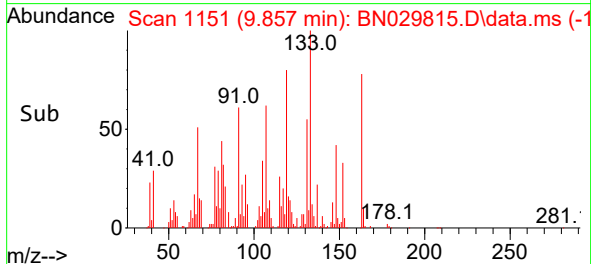
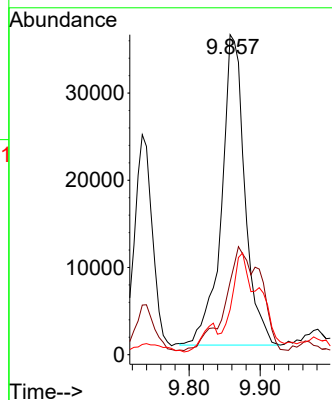


#26
2,4-Dimethylphenol
Concen: 7.365 ng/ul
RT: 9.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Instrument :
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ClientSampleId :

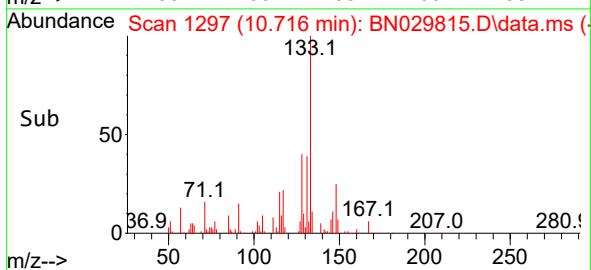
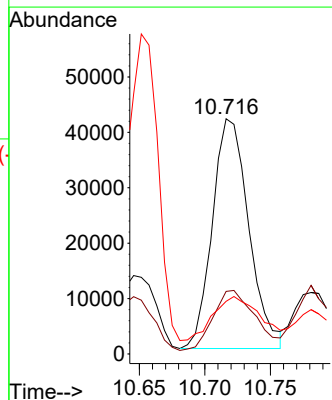
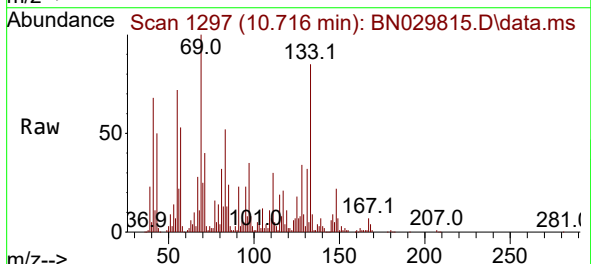


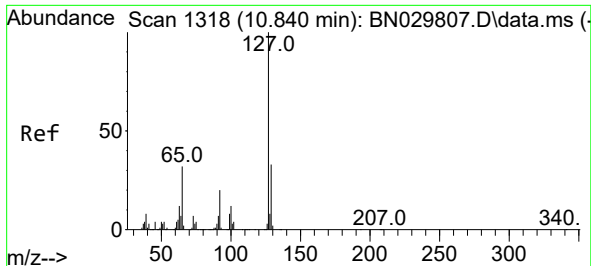
Tgt Ion:107 Resp: 81270
Ion Ratio Lower Upper
107 100
121 22.7 40.0 60.0#
122 14.1 67.6 101.4#



#30
Naphthalene
Concen: 2.355 ng/ul
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Tgt Ion:128 Resp: 80282
Ion Ratio Lower Upper
128 100
129 26.6 9.0 13.6#
127 22.4 10.4 15.6#

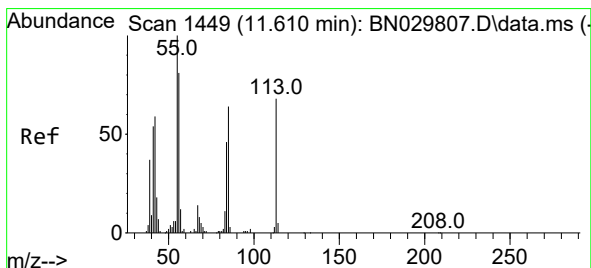
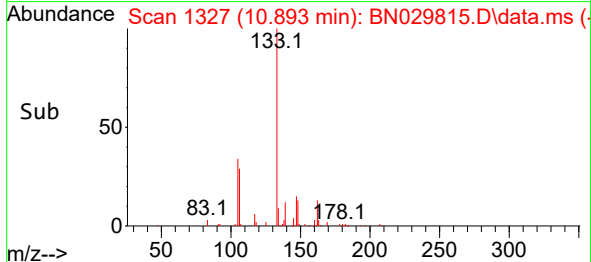
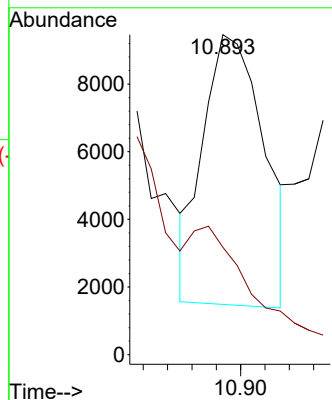
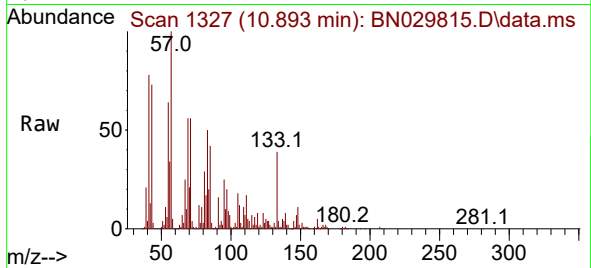




#32
4-Chloroaniline
Concen: 1.037 ng/ul
RT: 10.893 min Scan# 1327
Delta R.T. 0.053 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

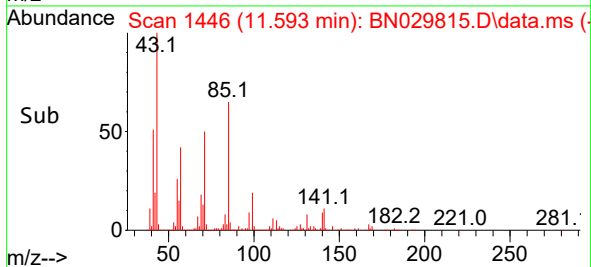
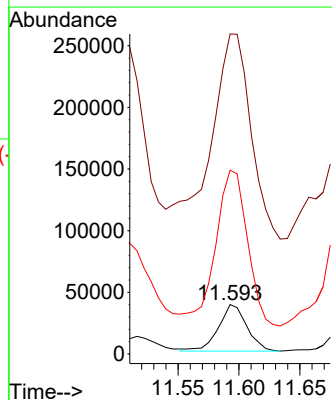
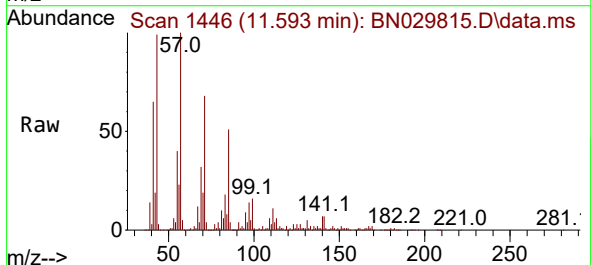
Instrument :
BNA_N
ClientSampleId :

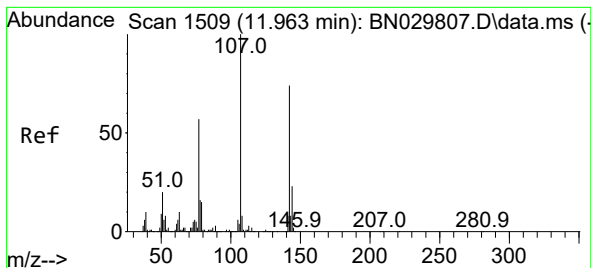
Tgt Ion:127 Resp: 13897
Ion Ratio Lower Upper
127 100
129 33.6 26.4 39.6



#34
Caprolactam
Concen: 22.427 ng/ul
RT: 11.593 min Scan# 1446
Delta R.T. -0.018 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Tgt Ion:113 Resp: 61369
Ion Ratio Lower Upper
113 100
55 647.3 125.3 187.9#
56 372.0 103.4 155.0#

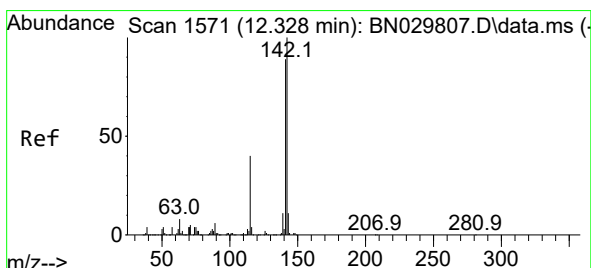
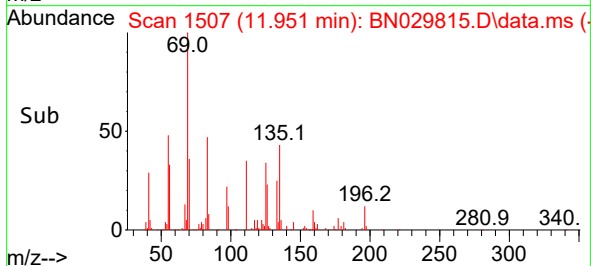
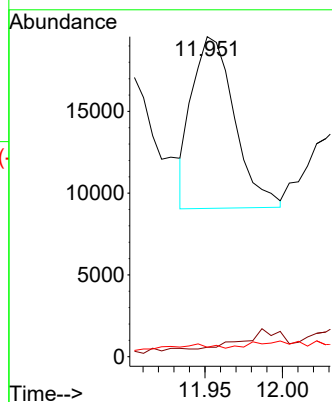
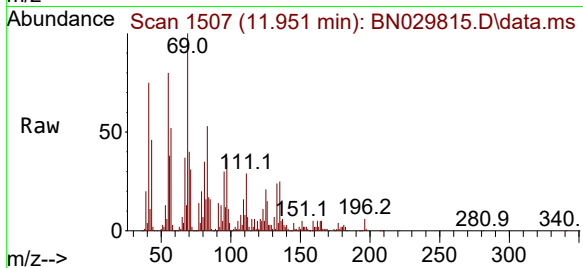




#35
4-Chloro-3-methylphenol
Concen: 2.099 ng/ul
RT: 11.951 min Scan# 11951
Delta R.T. -0.012 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

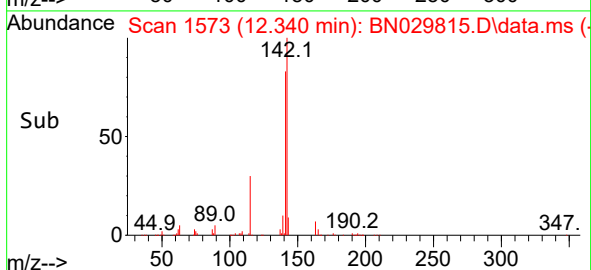
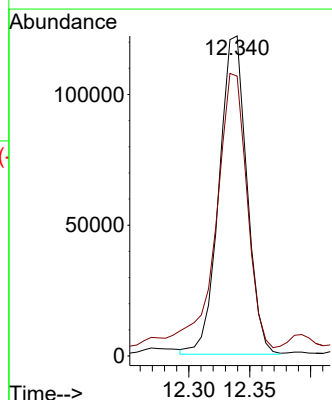
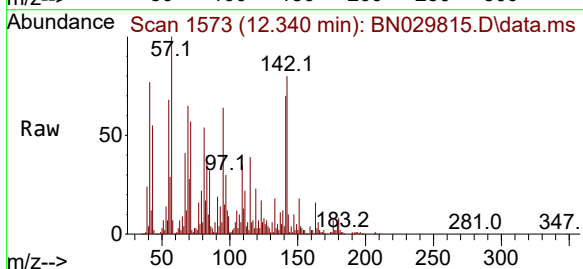
Instrument :
BNA_N
ClientSampleId :

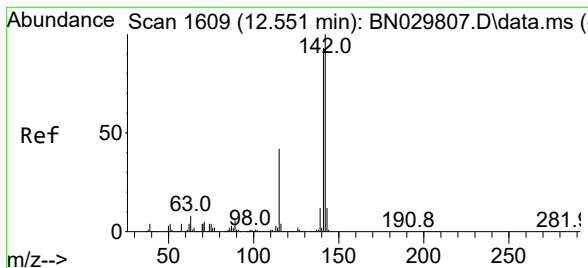
Tgt Ion:107 Resp: 19935
Ion Ratio Lower Upper
107 100
144 2.9 18.8 28.2#
142 2.9 60.6 90.8#



#36
2-Methylnaphthalene
Concen: 9.260 ng/ul
RT: 12.340 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Tgt Ion:142 Resp: 193530
Ion Ratio Lower Upper
142 100
141 87.5 70.4 105.6





#37

1-Methylnaphthalene

Concen: 8.538 ng/ul

RT: 12.557 min Scan# 1

Delta R.T. 0.006 min

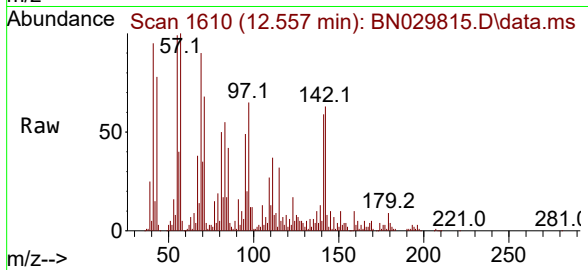
Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :



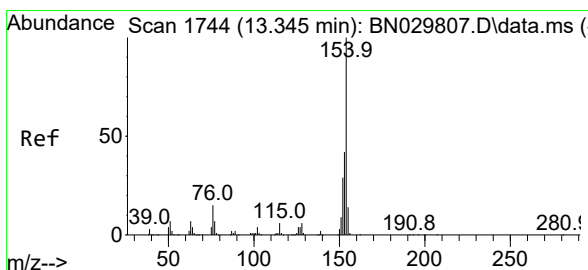
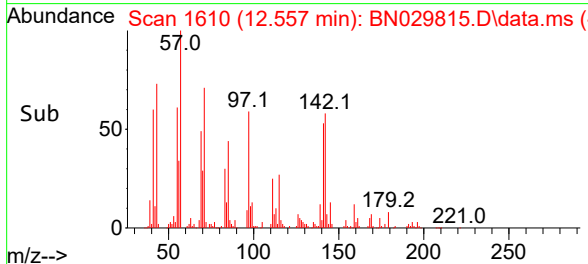
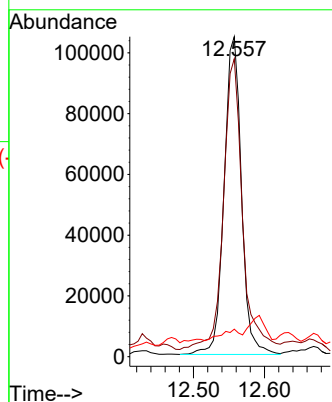
Tgt Ion:142 Resp: 176910

Ion Ratio Lower Upper

142 100

141 93.1 73.8 110.8

116 8.6 3.3 4.9#



#43

1,1'-Biphenyl

Concen: 1.852 ng/ul

RT: 13.351 min Scan# 1745

Delta R.T. -0.000 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

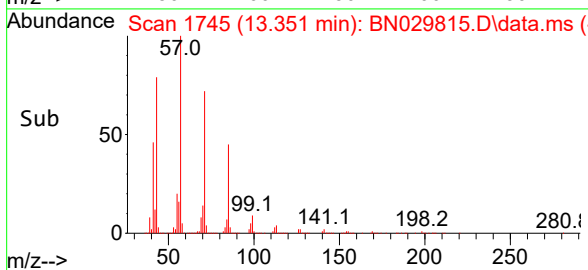
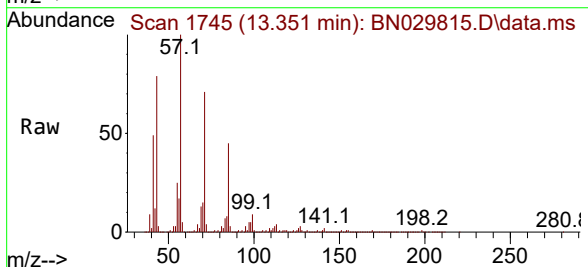
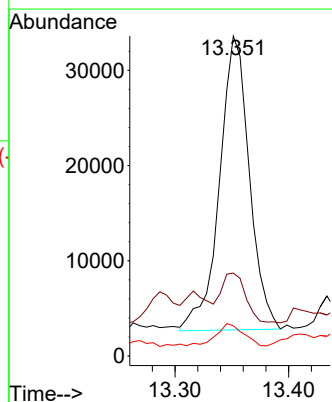
Tgt Ion:154 Resp: 56433

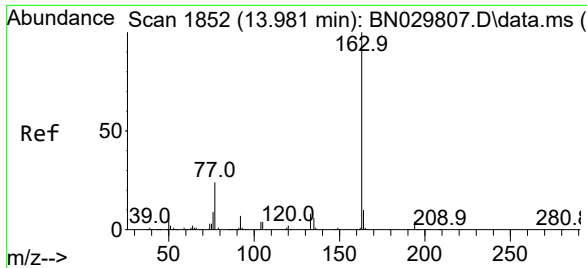
Ion Ratio Lower Upper

154 100

153 25.9 32.8 49.2#

76 9.4 12.9 19.3#

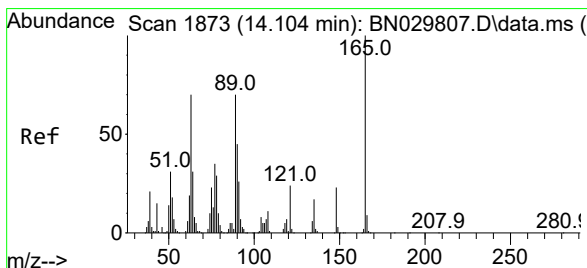
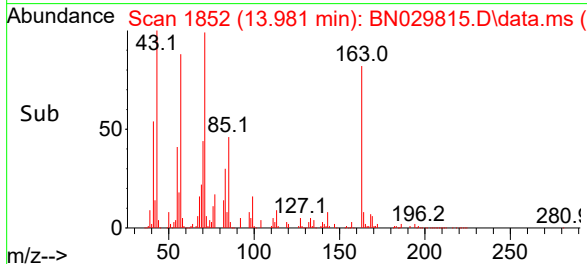
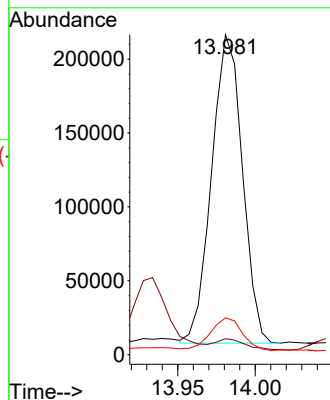
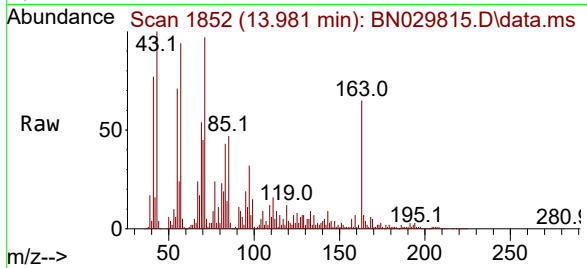




#47
Dimethylphthalate
Concen: 10.471 ng/ul
RT: 13.981 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

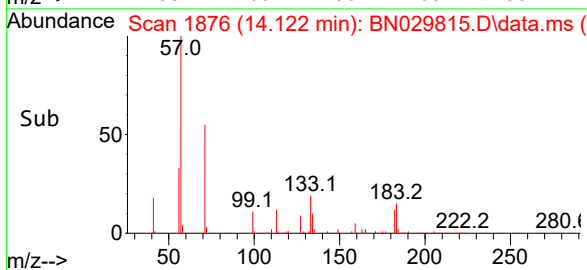
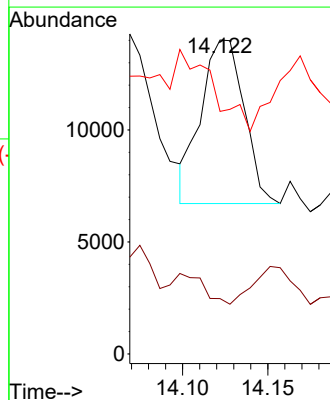
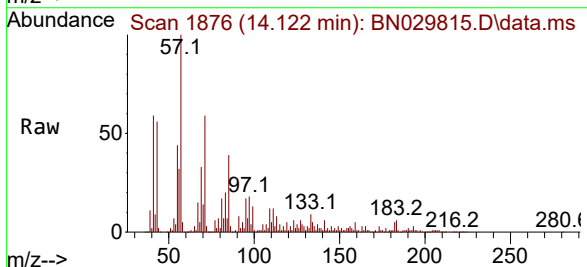
Instrument :
BNA_N
ClientSampleId :

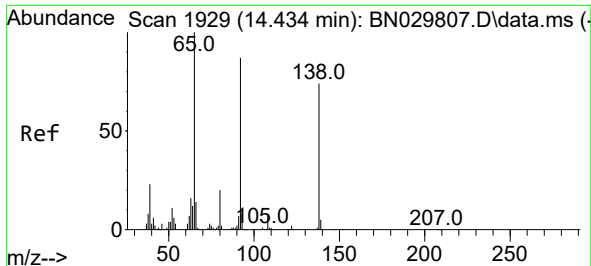
Tgt Ion:163 Resp: 288297
Ion Ratio Lower Upper
163 100
194 5.0 2.7 4.1#
164 11.5 8.2 12.2



#48
2,6-Dinitrotoluene
Concen: 2.607 ng/ul
RT: 14.122 min Scan# 1876
Delta R.T. 0.012 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

Tgt Ion:165 Resp: 12846
Ion Ratio Lower Upper
165 100
89 17.7 55.8 83.8#
121 77.2 19.8 29.6#

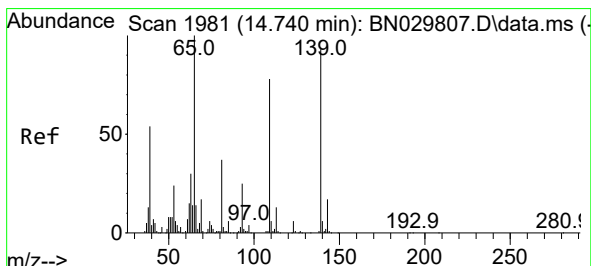
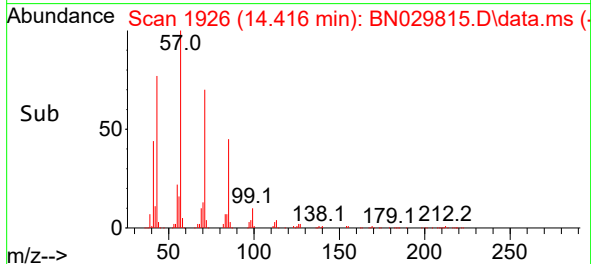
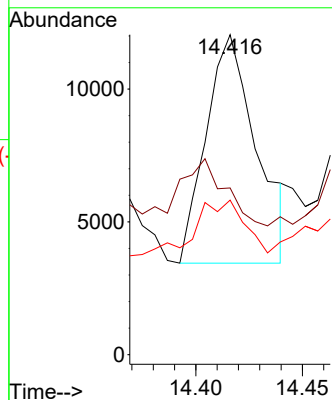
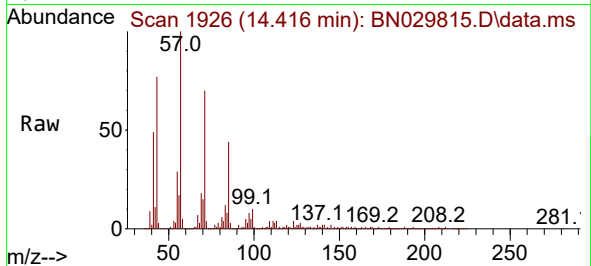




#51
3-Nitroaniline
Concen: 2.465 ng/ul
RT: 14.416 min Scan# 1926
Delta R.T. -0.018 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

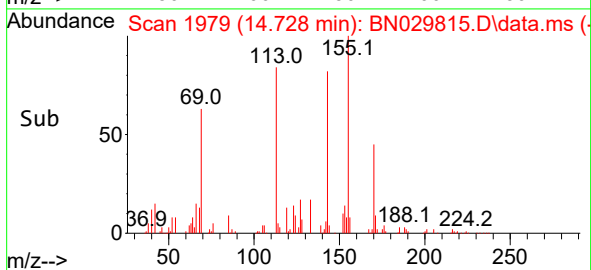
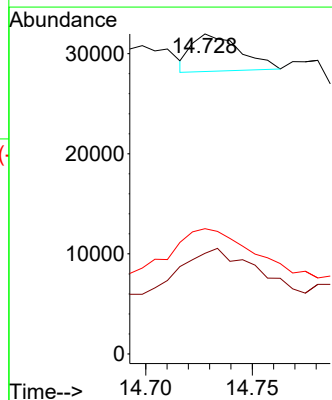
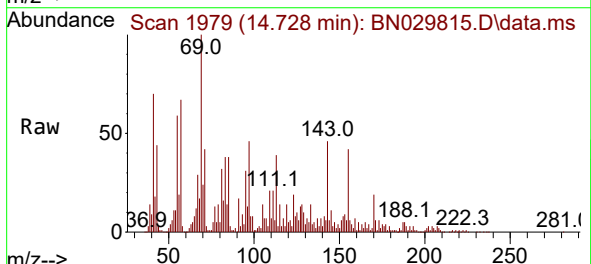
Instrument :
BNA_N
ClientSampleId :

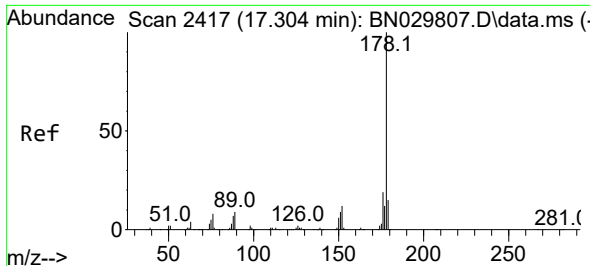
Tgt Ion:138 Resp: 14132
Ion Ratio Lower Upper
138 100
108 52.1 9.4 14.2#
92 48.3 102.7 154.1#



#55
4-Nitrophenol
Concen: 1.265 ng/ul
RT: 14.728 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

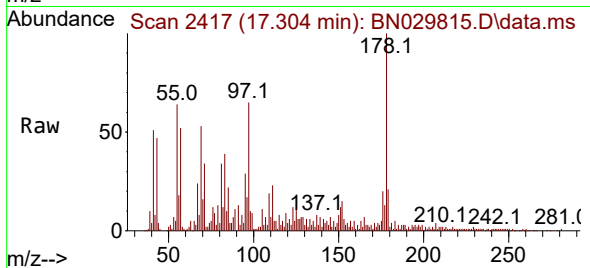
Tgt Ion:109 Resp: 5903
Ion Ratio Lower Upper
109 100
139 31.4 94.6 142.0#
65 39.2 108.5 162.7#



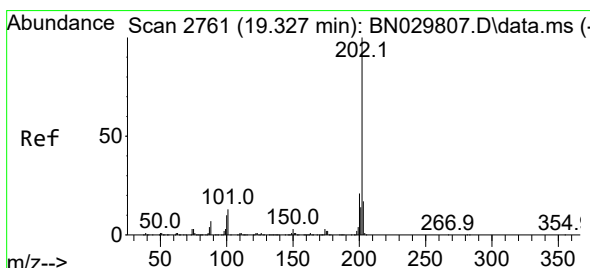
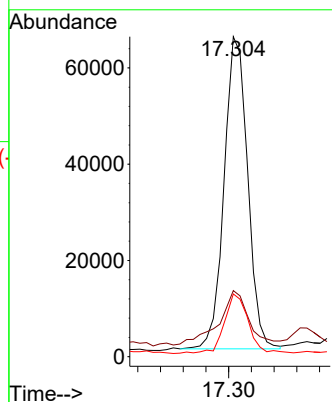
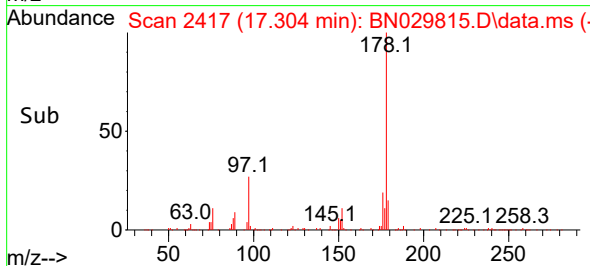


#72
Phenanthrene
Concen: 2.173 ng/ul
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40

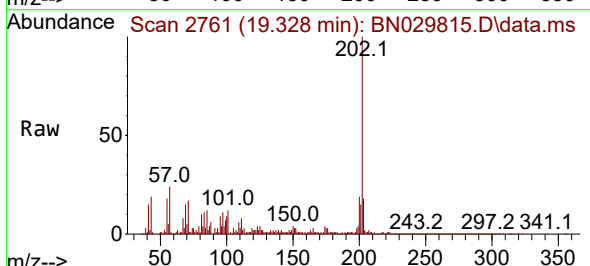
Instrument :
BNA_N
ClientSampleId :



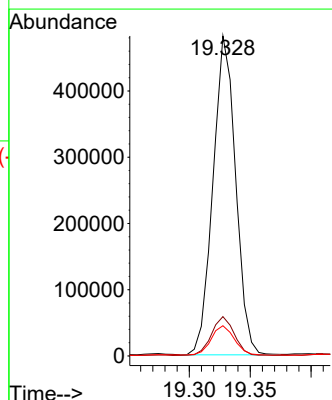
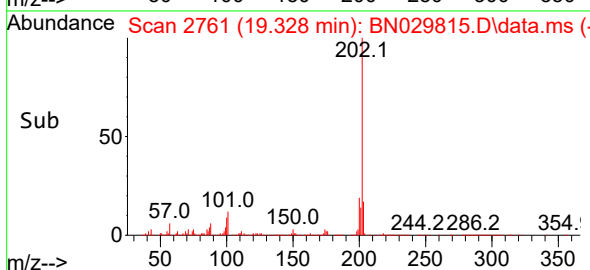
Tgt Ion:178 Resp: 93389
Ion Ratio Lower Upper
178 100
179 20.6 12.5 18.7#
176 19.6 15.7 23.5

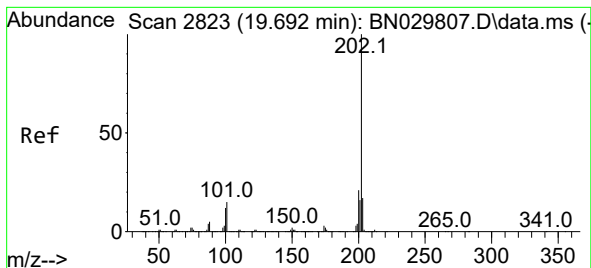


#80
Fluoranthene
Concen: 14.755 ng/ul
RT: 19.328 min Scan# 2761
Delta R.T. -0.000 min
Lab File: BN029815.D
Acq: 15 Feb 2024 19:40



Tgt Ion:202 Resp: 622490
Ion Ratio Lower Upper
202 100
101 12.3 11.1 16.7
100 9.4 8.9 13.3





#82

Pyrene

Concen: 8.191 ng/ul

RT: 19.692 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :

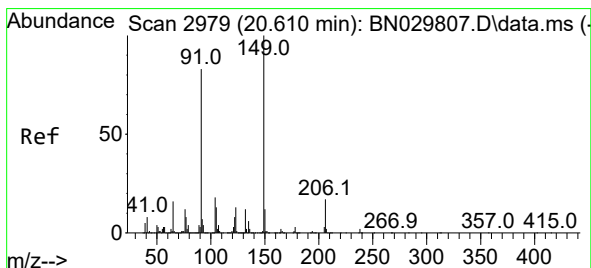
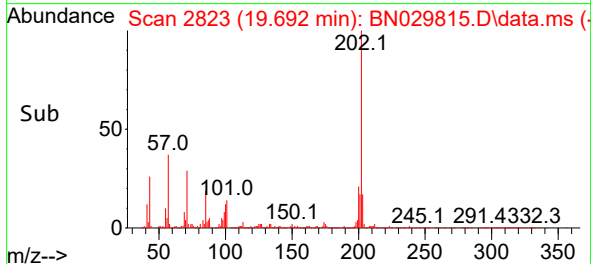
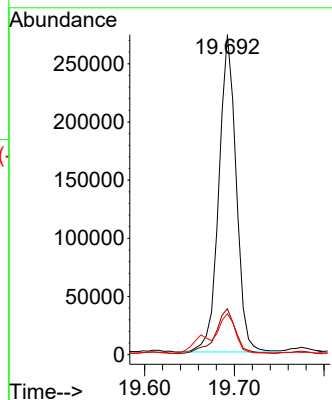
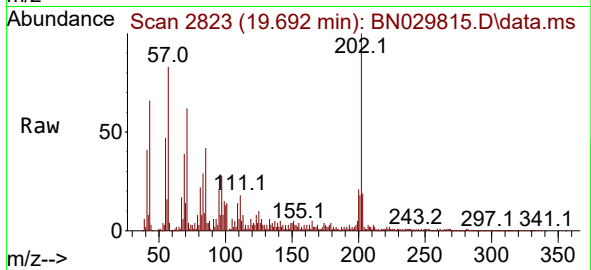
Tgt Ion:202 Resp: 365590

Ion Ratio Lower Upper

202 100

101 14.4 14.2 21.4

100 12.8 11.4 17.2



#83

Butylbenzylphthalate

Concen: 1.153 ng/ul

RT: 20.616 min Scan# 2980

Delta R.T. -0.000 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

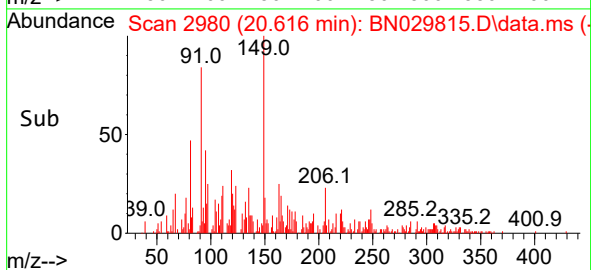
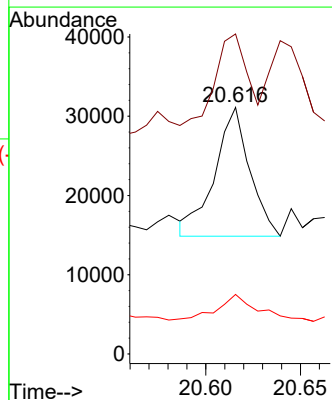
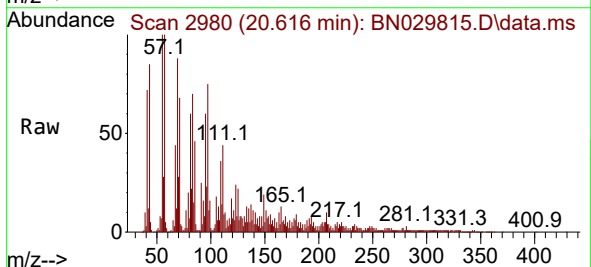
Tgt Ion:149 Resp: 20971

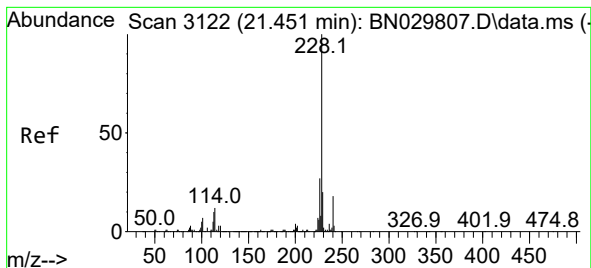
Ion Ratio Lower Upper

149 100

91 129.8 70.0 105.0#

206 24.1 14.1 21.1#





#85

Benzo(a)anthracene

Concen: 3.862 ng/ul

RT: 21.457 min Scan# 3122

Delta R.T. 0.006 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :

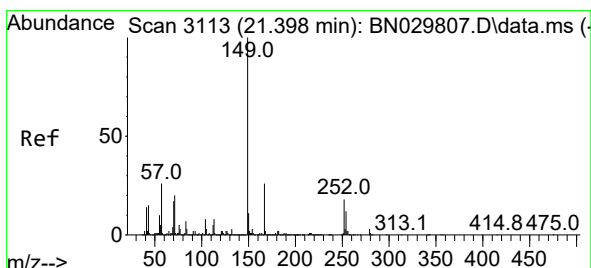
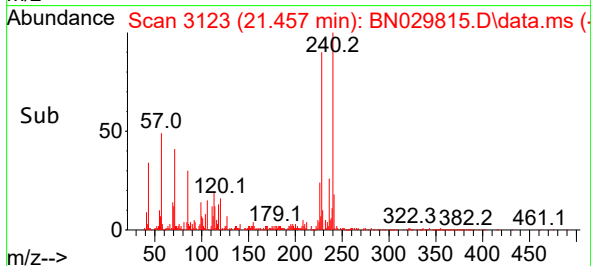
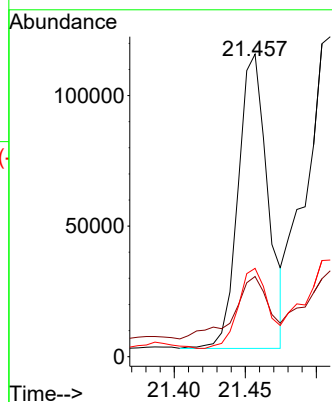
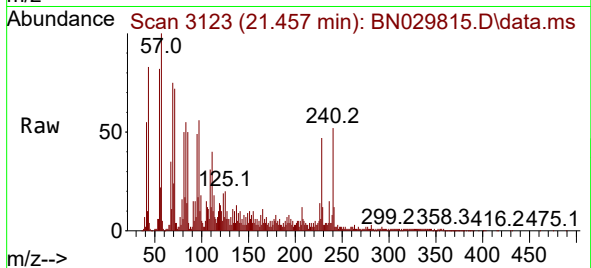
Tgt Ion:228 Resp: 164201

Ion Ratio Lower Upper

228 100

229 26.5 15.0 22.6#

226 29.2 21.0 31.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 50.050 ng/ul

RT: 21.404 min Scan# 3114

Delta R.T. 0.006 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

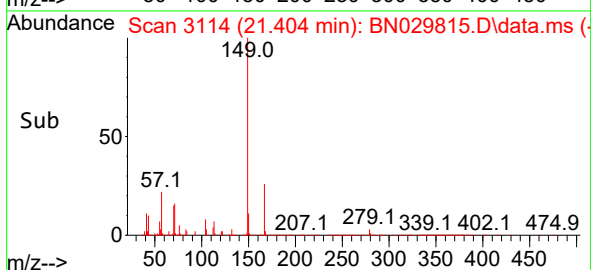
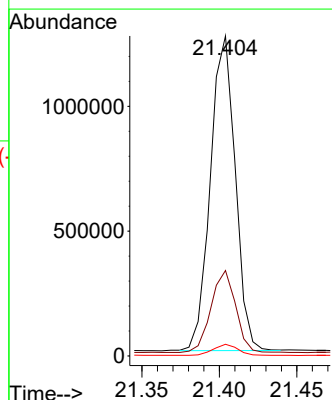
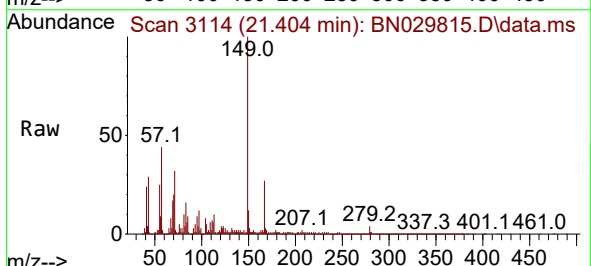
Tgt Ion:149 Resp: 1408198

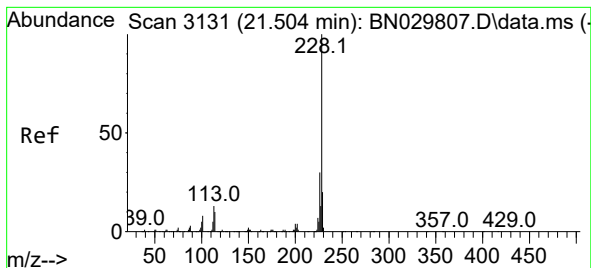
Ion Ratio Lower Upper

149 100

167 26.7 20.6 30.8

279 3.7 2.7 4.1





#87

Chrysene

Concen: 5.169 ng/ul

RT: 21.510 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :

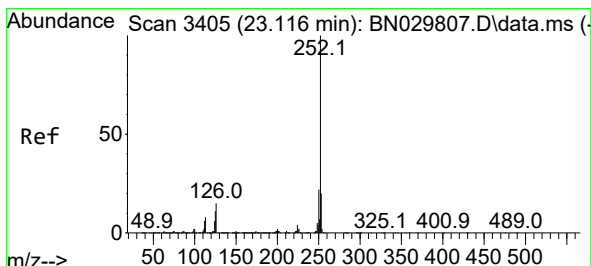
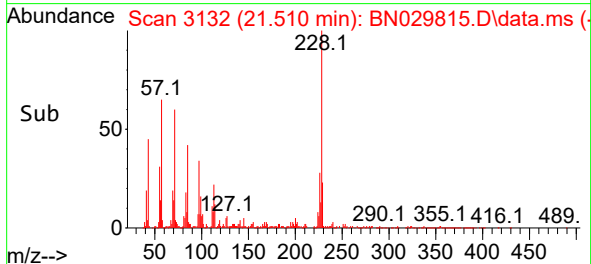
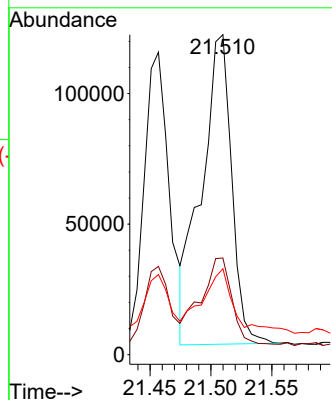
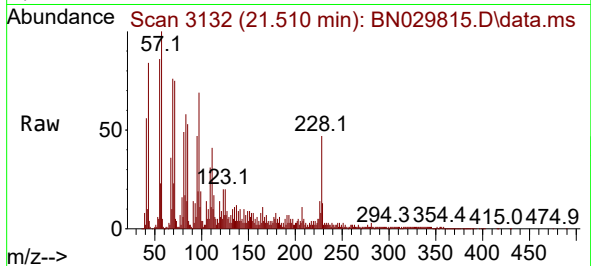
Tgt Ion:228 Resp: 205932

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

229 26.8 16.2 24.4#



#90

Benzo(b)fluoranthene

Concen: 6.276 ng/ul

RT: 23.121 min Scan# 3406

Delta R.T. 0.006 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

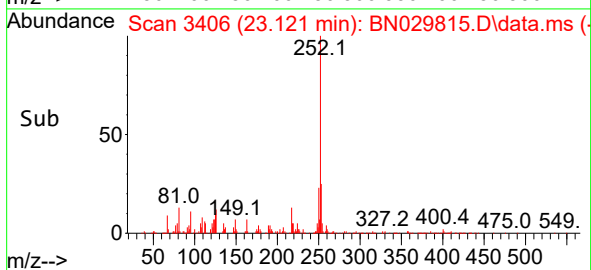
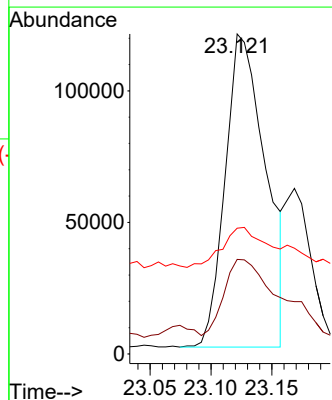
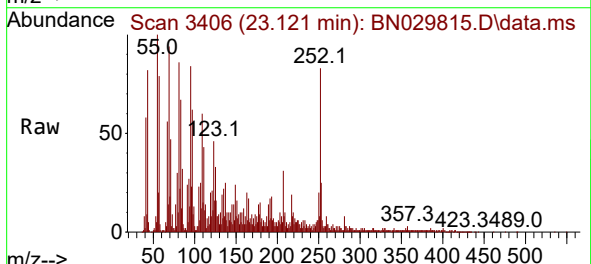
Tgt Ion:252 Resp: 274062

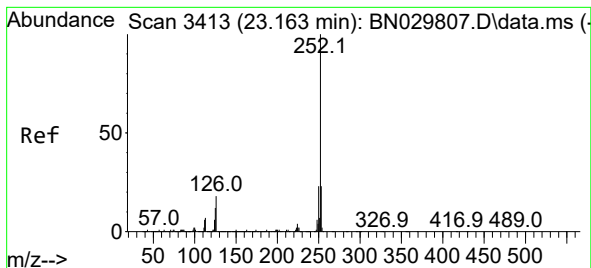
Ion Ratio Lower Upper

252 100

253 29.5 17.5 26.3#

125 39.3 11.1 16.7#





#91

Benzo(k)fluoranthene

Concen: 2.007 ng/ul

RT: 23.169 min Scan# 3413

Delta R.T. 0.006 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :

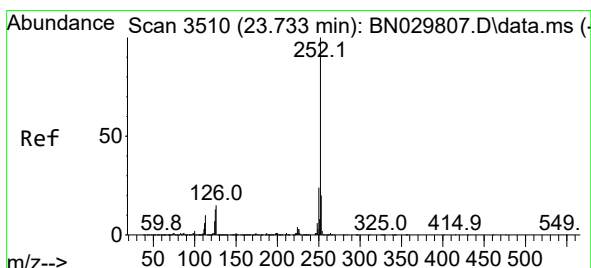
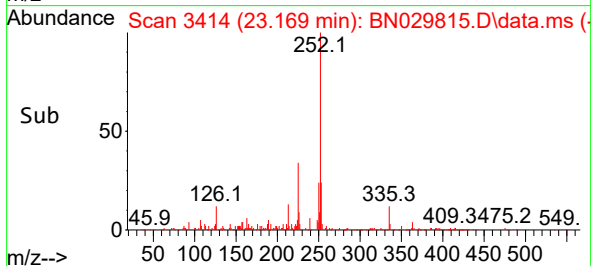
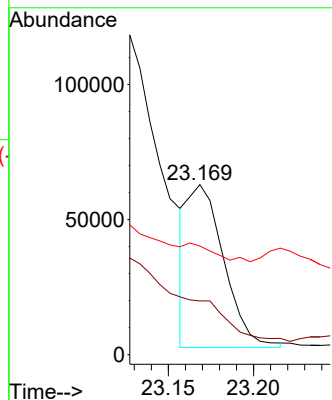
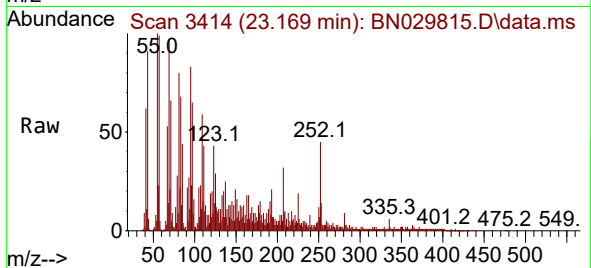
Tgt Ion:252 Resp: 89679

Ion Ratio Lower Upper

252 100

253 31.6 18.2 27.4#

125 63.8 11.2 16.8#



#93

Benzo(a)pyrene

Concen: 3.698 ng/ul

RT: 23.739 min Scan# 3511

Delta R.T. 0.012 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

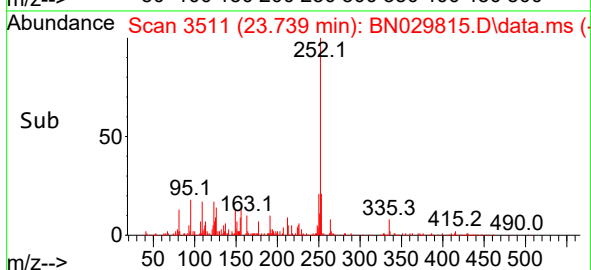
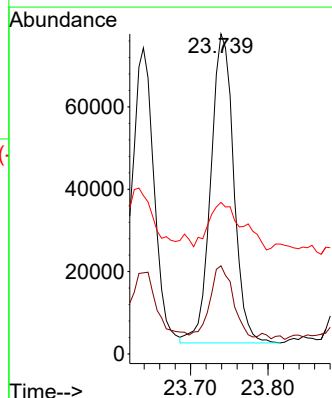
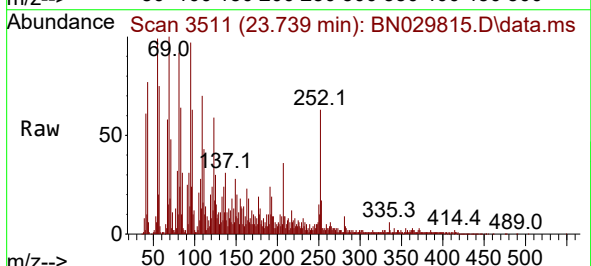
Tgt Ion:252 Resp: 154834

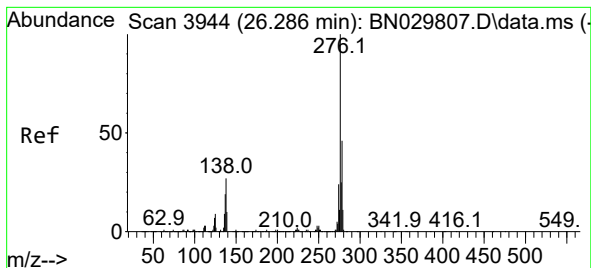
Ion Ratio Lower Upper

252 100

253 27.6 18.8 28.2

125 47.4 12.2 18.2#





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.062 ng/ul

RT: 26.298 min Scan# 3944

Delta R.T. 0.018 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Instrument :

BNA_N

ClientSampleId :

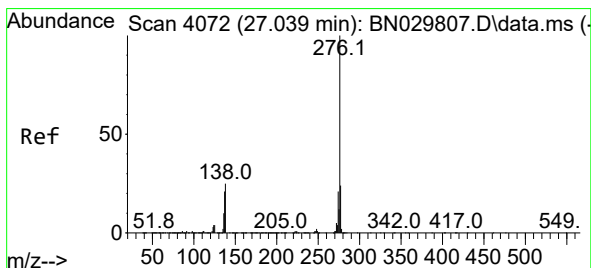
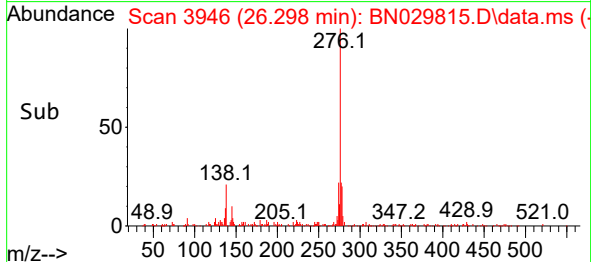
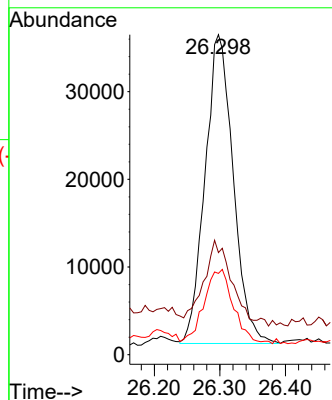
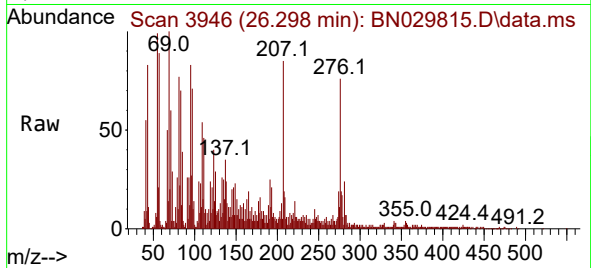
Tgt Ion:276 Resp: 105121

Ion Ratio Lower Upper

276 100

138 31.9 21.7 32.5

277 25.4 17.8 26.8



#96

Benzo(g,h,i)perylene

Concen: 2.327 ng/ul

RT: 27.051 min Scan# 4074

Delta R.T. 0.018 min

Lab File: BN029815.D

Acq: 15 Feb 2024 19:40

Tgt Ion:276 Resp: 99257

Ion Ratio Lower Upper

276 100

138 33.9 23.9 35.9

277 23.6 18.6 28.0

