

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031951.D
 Acq On : 12 Jun 2024 21:18
 Operator : MA/JU
 Sample : P2678-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH688

Quant Time: Jun 12 22:55:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	459039	20.000	ng/ul	0.00
20) Naphthalene-d8	10.446	136	1963334	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.304	164	1152256	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.057	188	1951018	20.000	ng/ul	0.00
79) Chrysene-d12	21.292	240	1208414	20.000	ng/ul	0.00
88) Perylene-d12	24.227	264	1484735	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	40700	3.668	ng/uL	0.00
4) Pyridine-d5	3.587	84	204775	6.556	ng/ul	0.00
7) Phenol-d5	6.840	99	940432	23.898	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	522547	22.701	ng/ul	0.00
11) 2-Chlorophenol-d4	7.193	132	774797	25.804	ng/ul	0.00
15) 4-Methylphenol-d8	8.369	113	726039	22.633	ng/ul	0.00
21) Nitrobenzene-d5	8.816	128	393410	26.207	ng/ul	0.00
24) 2-Nitrophenol-d4	9.534	143	429898	27.723	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	746299	25.779	ng/ul	0.00
31) 4-Chloroaniline-d4	10.587	131	517570	12.041	ng/ul	0.00
46) Dimethylphthalate-d6	13.722	166	2135583	26.604	ng/ul	0.00
49) Acenaphthylene-d8	13.998	160	2460254	26.654	ng/ul	0.00
54) 4-Nitrophenol-d4	14.528	143	292791	18.217	ng/ul	0.00
60) Fluorene-d10	15.304	176	1701579	25.052	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.433	200	179023	18.255	ng/ul	0.00
73) Anthracene-d10	17.151	188	2189154	26.209	ng/ul	0.00
81) Pyrene-d10	19.457	212	1766746	27.322	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.021	264	1363455	19.232	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.810	77	23949	1.297	ng/ul#	1
16) Acetophenone	8.481	105	71890	1.479	ng/ul	97
19) Hexachloroethane	8.751	117	16461	1.237	ng/ul#	12
30) Naphthalene	10.493	128	204756	2.015	ng/ul	97
36) 2-Methylnaphthalene	12.110	142	174595	2.514	ng/ul	100
37) 1-Methylnaphthalene	12.334	142	128083	1.838	ng/ul	95
50) Acenaphthylene	14.028	152	294031	2.819	ng/ul	98
52) Acenaphthene	14.369	153	79452	1.151	ng/ul	98
61) Fluorene	15.357	166	97984	1.298	ng/ul#	96
72) Phenanthrene	17.098	178	1980360	19.926	ng/ul	99
74) Anthracene	17.186	178	446822	4.437	ng/ul	99
77) Carbazole	17.463	167	207279	2.414	ng/ul	97
80) Fluoranthene	19.122	202	3337859	43.191	ng/ul	98
82) Pyrene	19.486	202	2523313	31.824	ng/ul	96
83) Butylbenzylphthalate	20.392	149	109692	2.929	ng/ul	90
85) Benzo(a)anthracene	21.274	228	1600073	19.782	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.198	149	257031	4.708	ng/ul	98
87) Chrysene	21.333	228	1712436	22.666	ng/ul	96
90) Benzo(b)fluoranthene	23.298	252	2509595	28.278	ng/ul	99
91) Benzo(k)fluoranthene	23.298	252	2509595	28.818	ng/ul	99
93) Benzo(a)pyrene	24.086	252	1052815	12.666	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	27.521	276	1087495	11.354	ng/ul	98
95) Dibenzo(a,h)anthracene	27.556	278	357934	4.577	ng/ul#	91
96) Benzo(g,h,i)perylene	28.550	276	150064	1.971	ng/ul	92

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QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

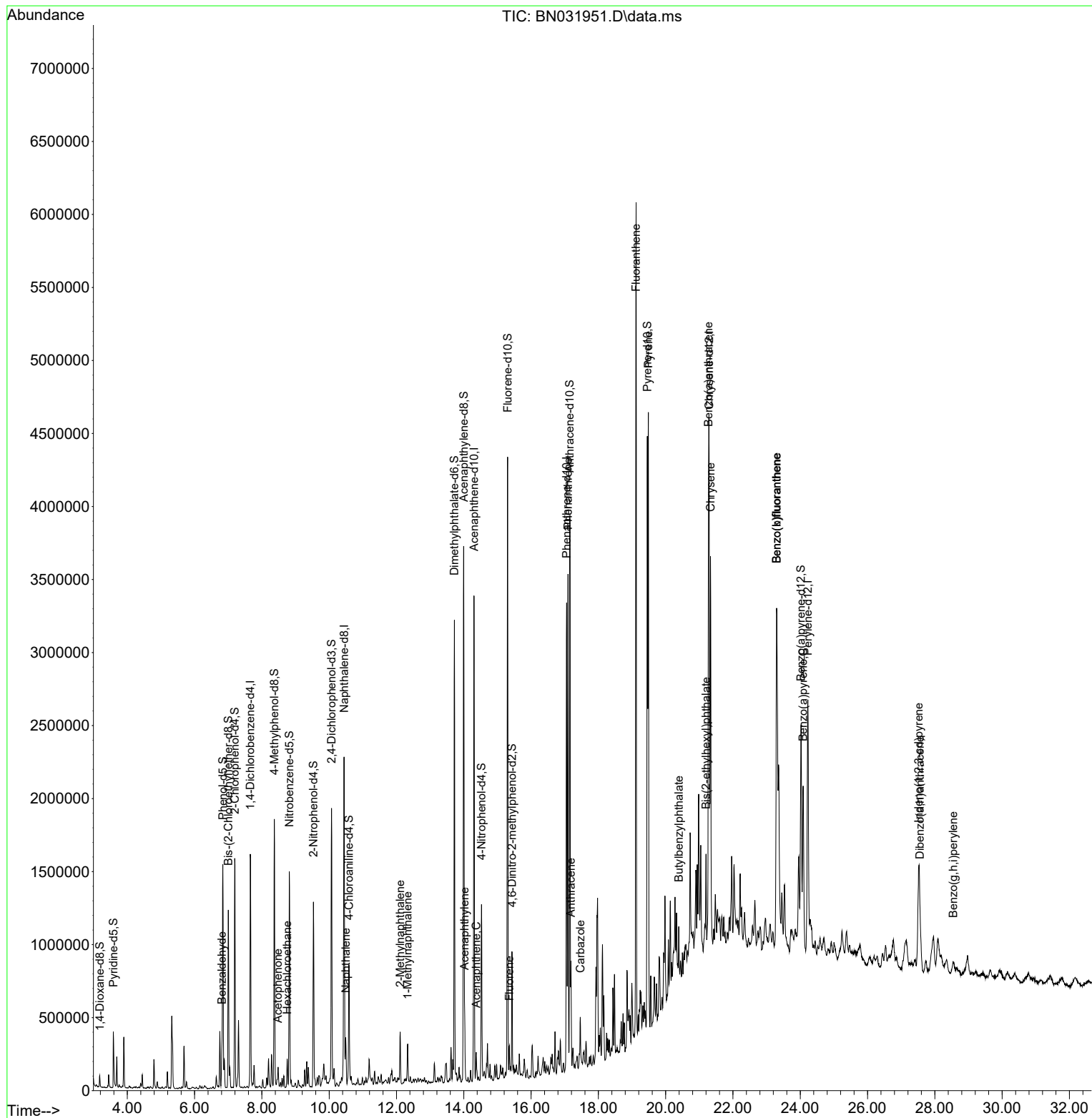
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

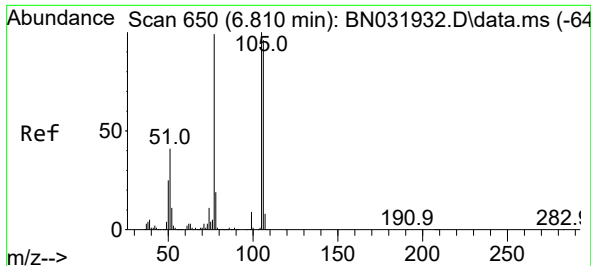
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

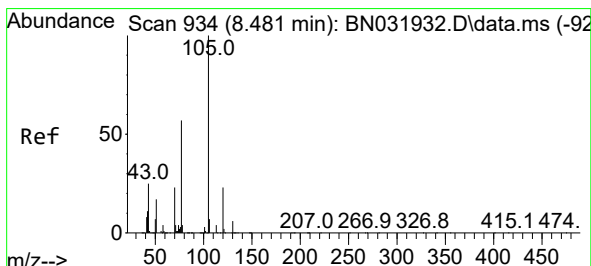
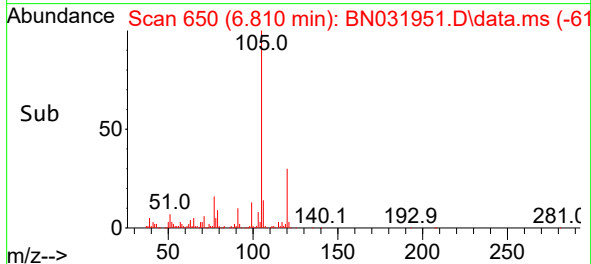
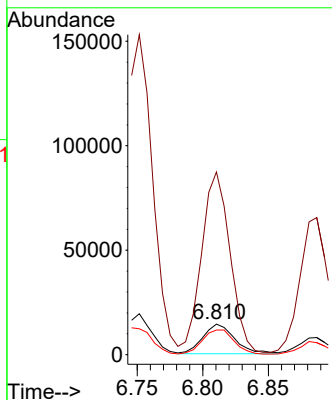
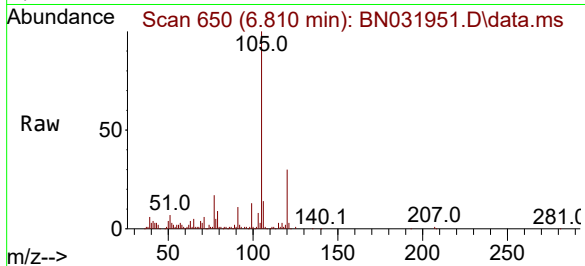




#6
Benzaldehyde
Concen: 1.297 ng/ul
RT: 6.810 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

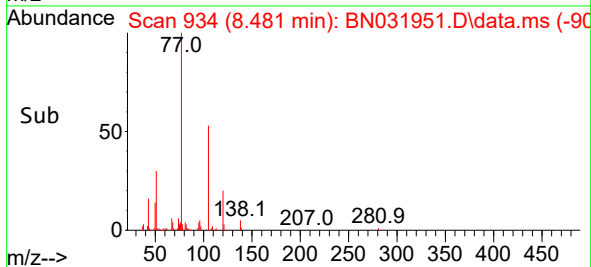
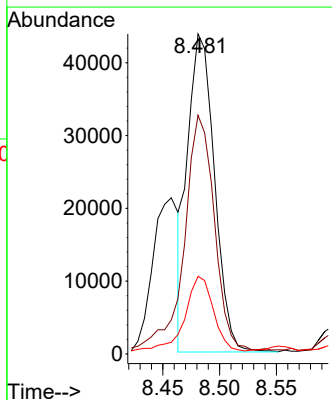
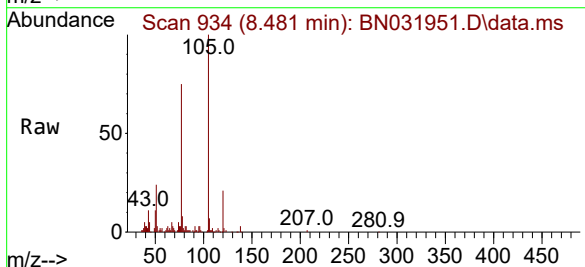
Instrument :
BNA_N
ClientSampleId :
BH688

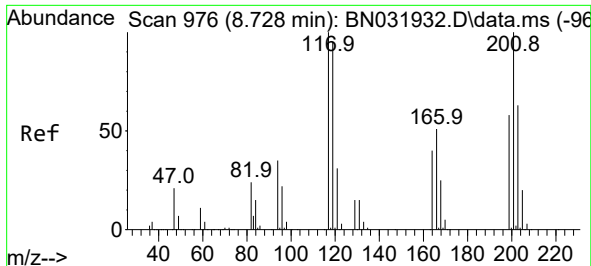
Tgt Ion: 77 Resp: 23949
Ion Ratio Lower Upper
77 100
105 596.2 80.2 120.4#
106 80.5 76.8 115.2



#16
Acetophenone
Concen: 1.479 ng/ul
RT: 8.481 min Scan# 934
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Tgt Ion: 105 Resp: 71890
Ion Ratio Lower Upper
105 100
77 74.6 58.6 87.8
51 24.3 17.2 25.8





#19

Hexachloroethane

Concen: 1.237 ng/ul

RT: 8.751 min Scan# 91

Delta R.T. 0.024 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

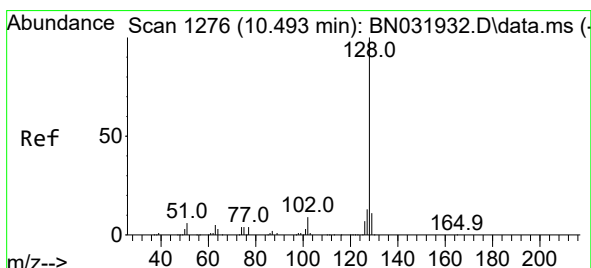
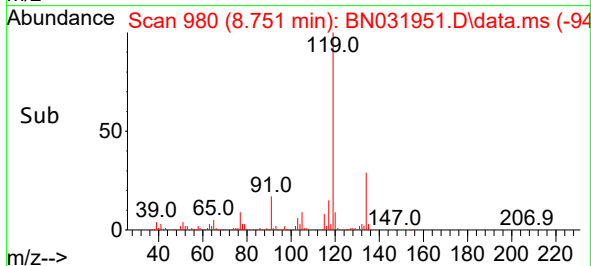
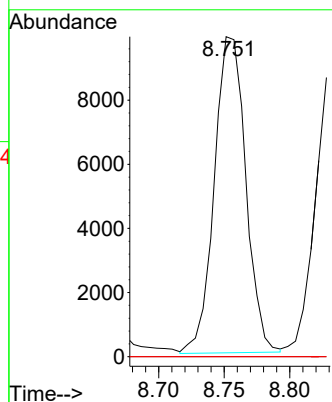
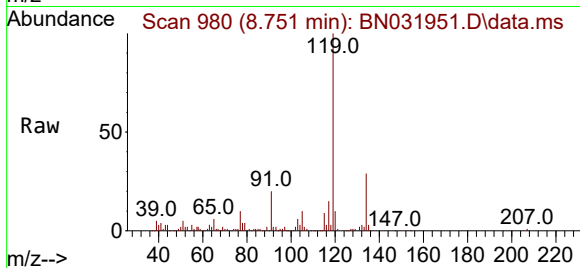
Tgt Ion:117 Resp: 16461

Ion Ratio Lower Upper

117 100

201 0.0 71.6 107.4#

199 0.0 45.6 68.4#



#30

Naphthalene

Concen: 2.015 ng/ul

RT: 10.493 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

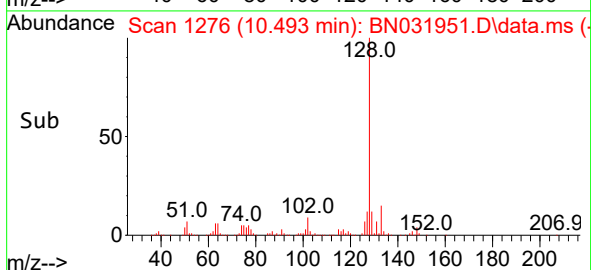
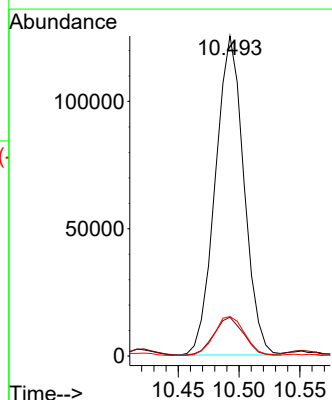
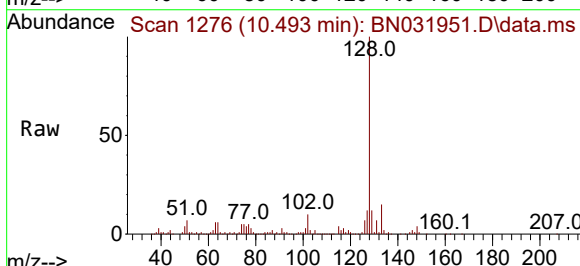
Tgt Ion:128 Resp: 204756

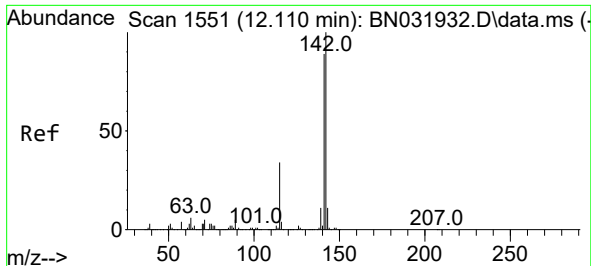
Ion Ratio Lower Upper

128 100

129 12.1 8.5 12.7

127 12.3 10.3 15.5

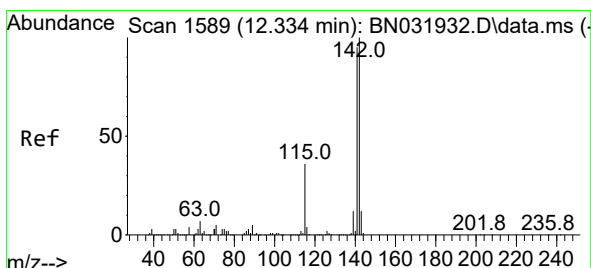
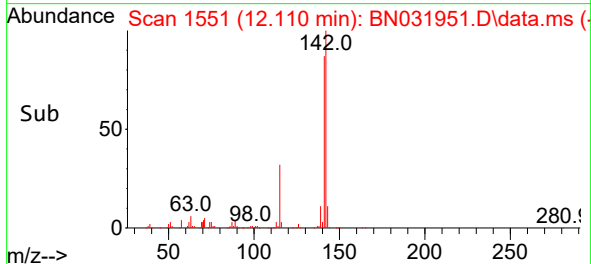
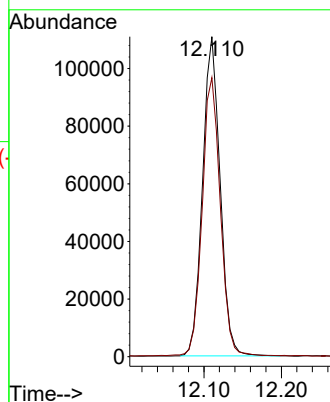
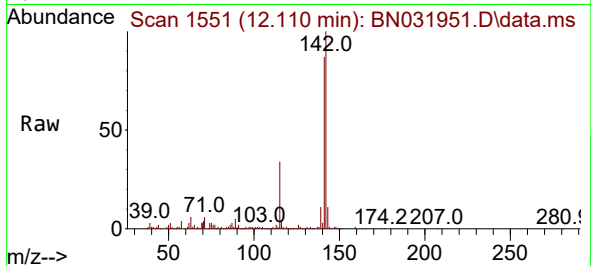




#36
2-Methylnaphthalene
Concen: 2.514 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

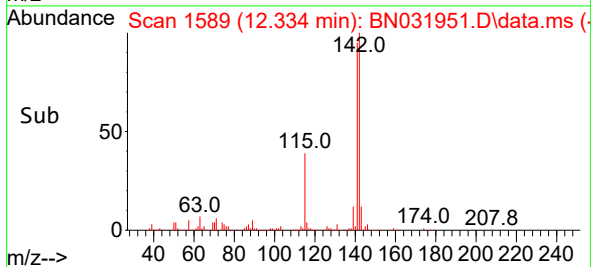
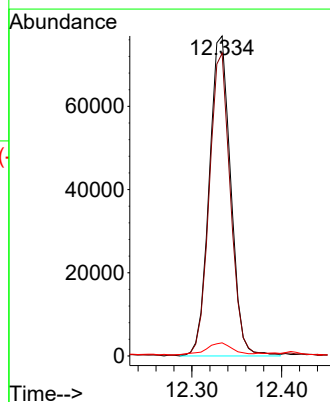
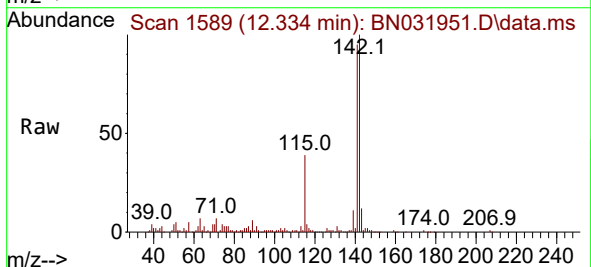
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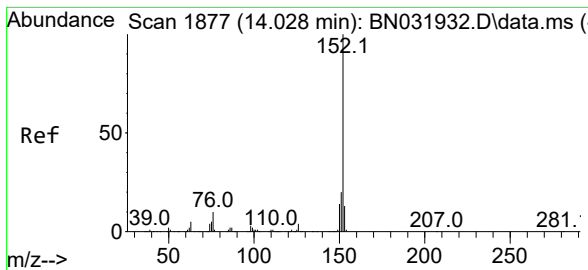
Tgt Ion:142 Resp: 174595
Ion Ratio Lower Upper
142 100
141 87.2 70.1 105.1



#37
1-Methylnaphthalene
Concen: 1.838 ng/ul
RT: 12.334 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Tgt Ion:142 Resp: 128083
Ion Ratio Lower Upper
142 100
141 94.6 71.7 107.5
116 4.1 3.0 4.4

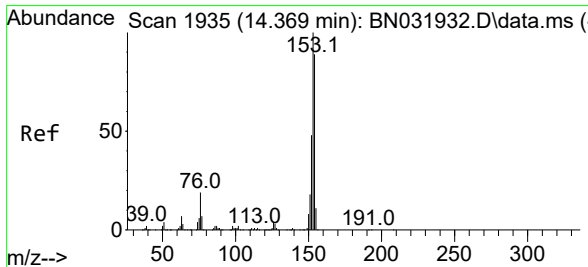
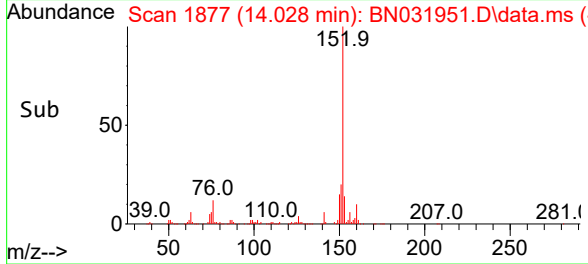
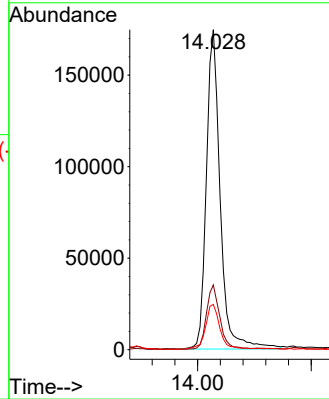
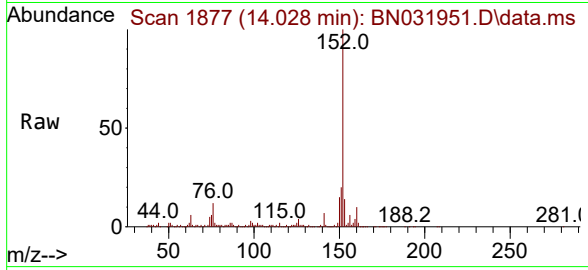




#50
Acenaphthylene
Concen: 2.819 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

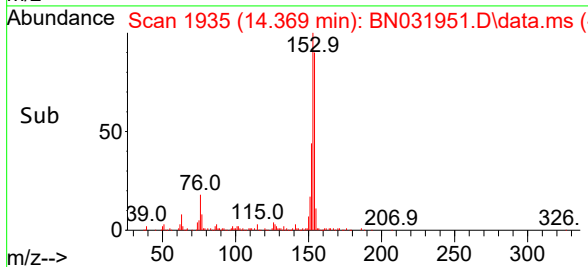
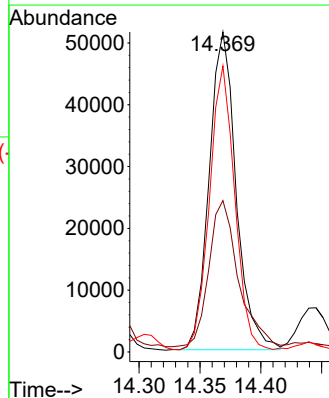
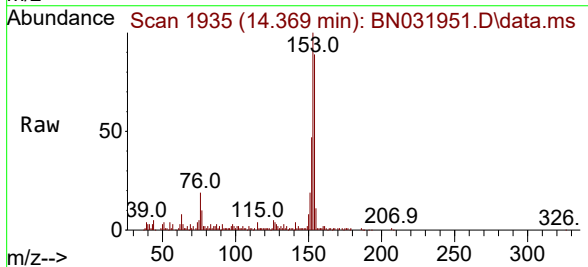
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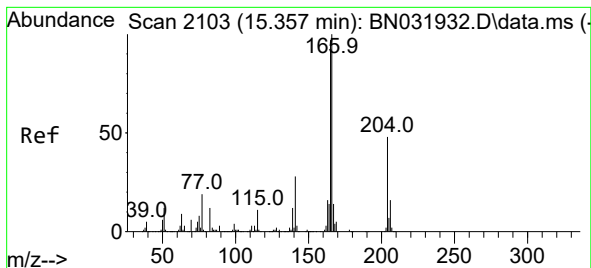
Tgt Ion:152 Resp: 294031
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 14.1 10.4 15.6



#52
Acenaphthene
Concen: 1.151 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Tgt Ion:153 Resp: 79452
Ion Ratio Lower Upper
153 100
152 47.3 37.8 56.6
154 89.4 69.8 104.8





#61

Fluorene

Concen: 1.298 ng/ul

RT: 15.357 min Scan# 2103

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

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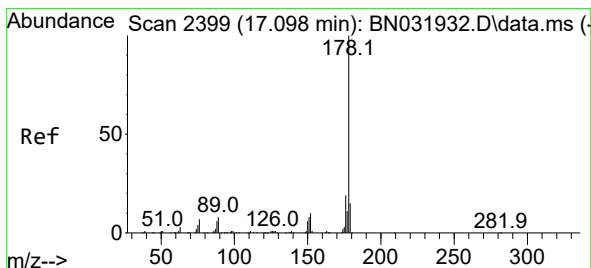
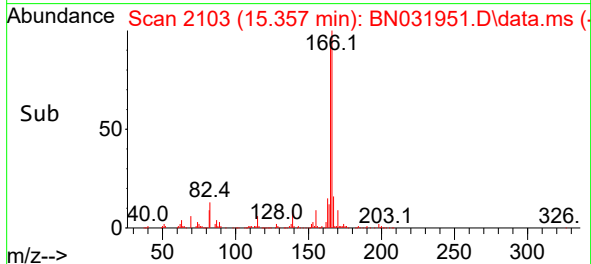
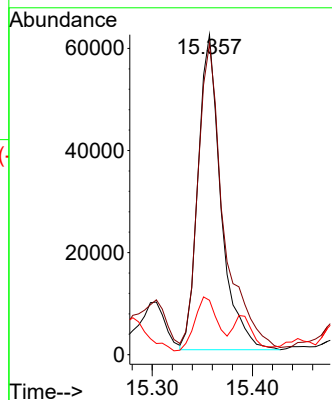
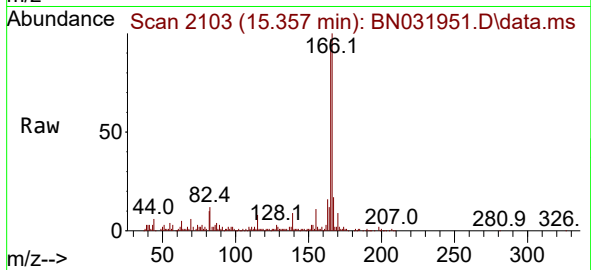
Tgt Ion:166 Resp: 97984

Ion Ratio Lower Upper

166 100

165 97.3 80.3 120.5

167 17.0 11.3 16.9#



#72

Phenanthrene

Concen: 19.926 ng/ul

RT: 17.098 min Scan# 2399

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

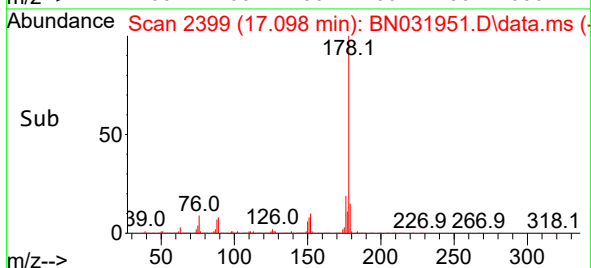
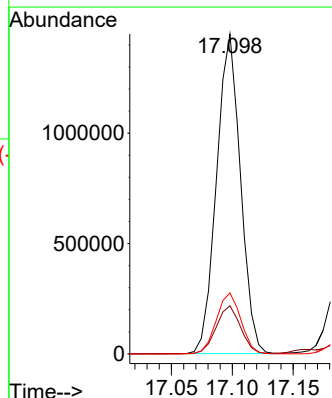
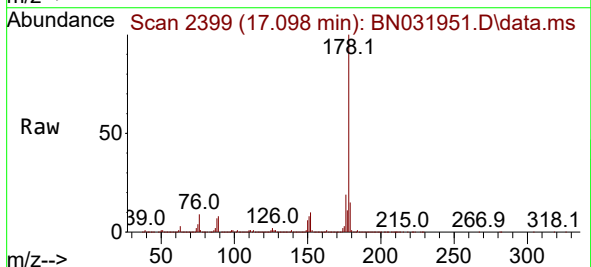
Tgt Ion:178 Resp: 1980360

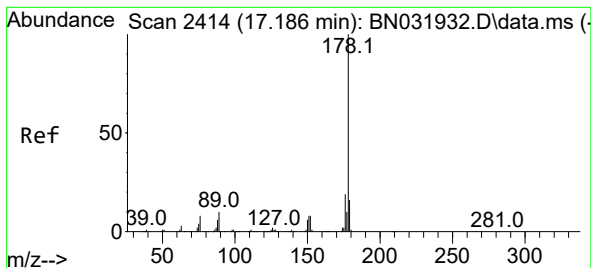
Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

176 19.1 15.8 23.6





#74

Anthracene

Concen: 4.437 ng/ul

RT: 17.186 min Scan# 2414

Delta R.T. 0.000 min

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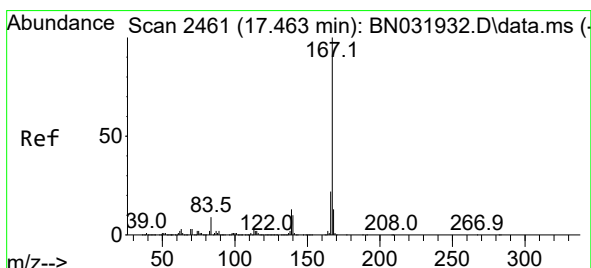
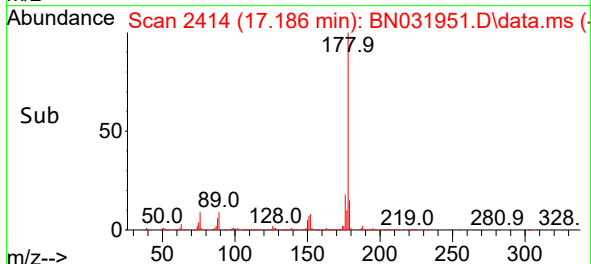
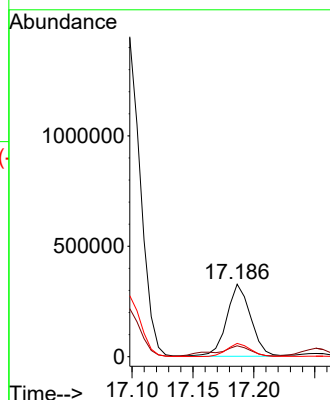
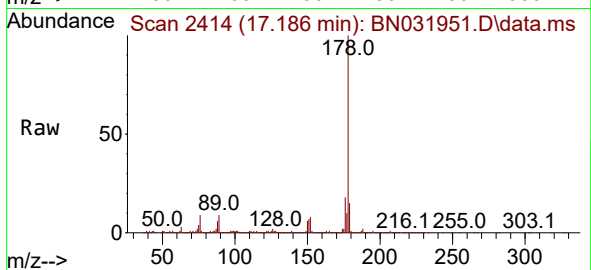
Tgt Ion:178 Resp: 446822

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.6

176 18.3 14.8 22.2



#77

Carbazole

Concen: 2.414 ng/ul

RT: 17.463 min Scan# 2461

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

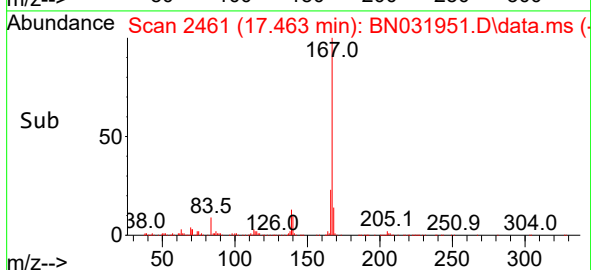
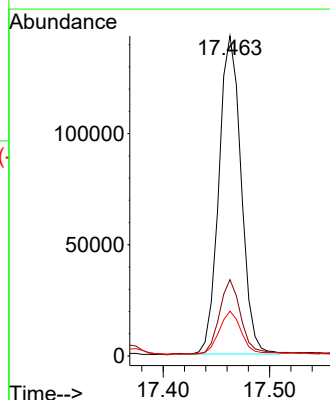
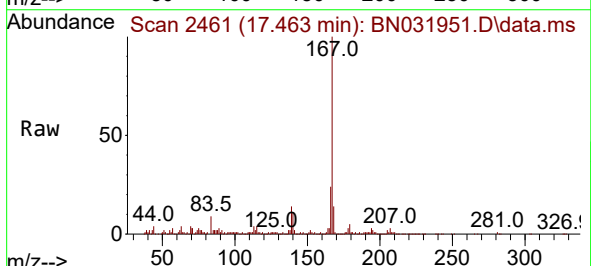
Tgt Ion:167 Resp: 207279

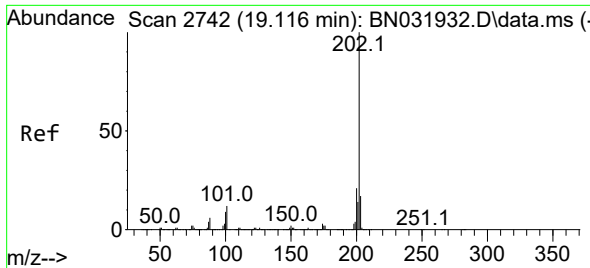
Ion Ratio Lower Upper

167 100

166 23.9 17.9 26.9

139 14.0 10.5 15.7

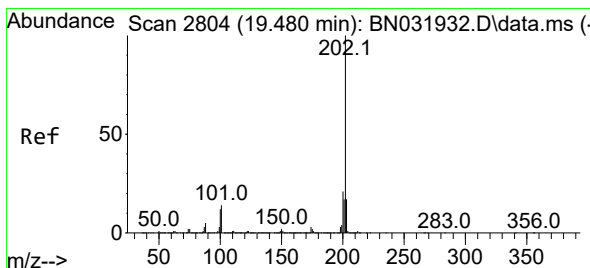
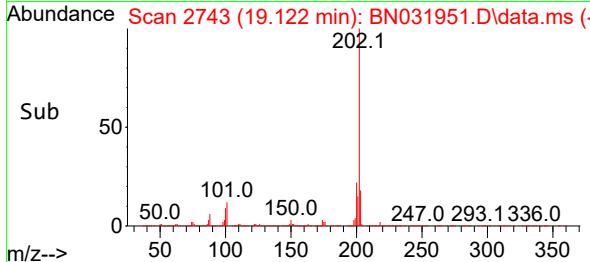
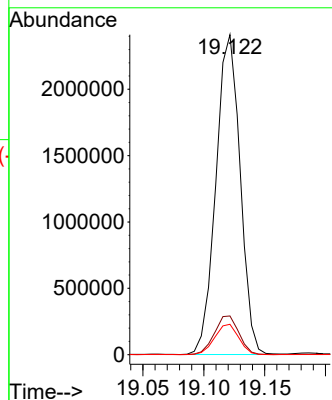
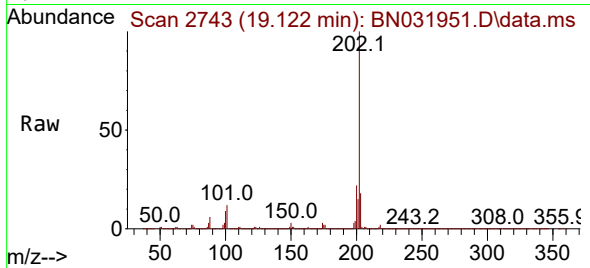




#80
Fluoranthene
Concen: 43.191 ng/ul
RT: 19.122 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

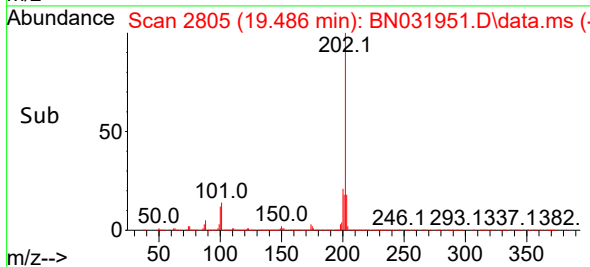
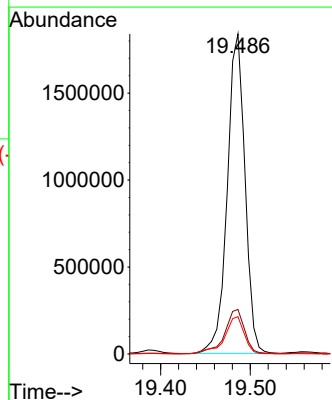
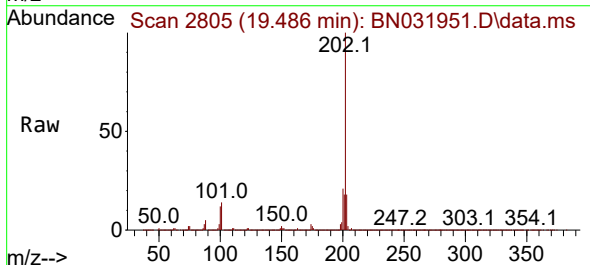
Instrument :
BNA_N
ClientSampleId :
BH688

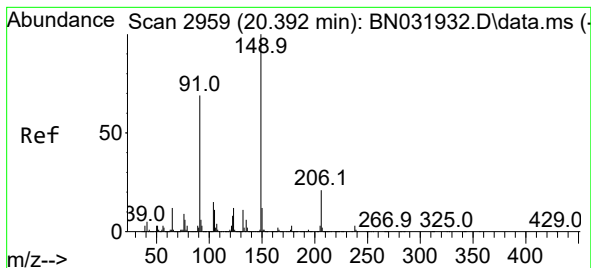
Tgt Ion:202 Resp: 3337859
Ion Ratio Lower Upper
202 100
101 12.1 10.3 15.5
100 9.5 8.0 12.0



#82
Pyrene
Concen: 31.824 ng/ul
RT: 19.486 min Scan# 2805
Delta R.T. 0.000 min
Lab File: BN031951.D
Acq: 12 Jun 2024 21:18

Tgt Ion:202 Resp: 2523313
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 11.7 10.2 15.2





#83

Butylbenzylphthalate

Concen: 2.929 ng/ul

RT: 20.392 min Scan# 2959

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

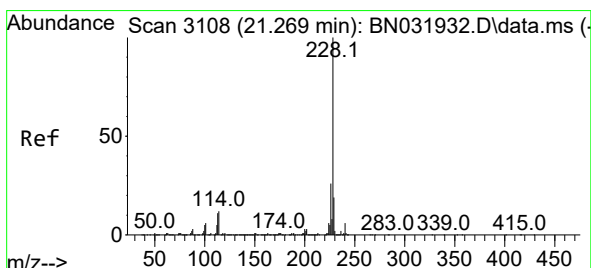
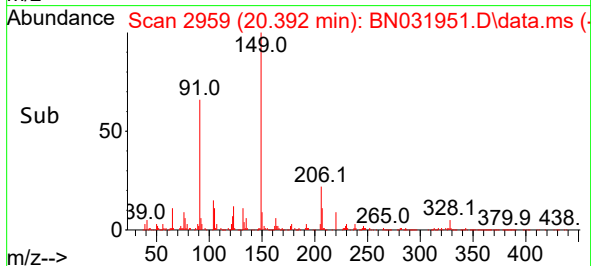
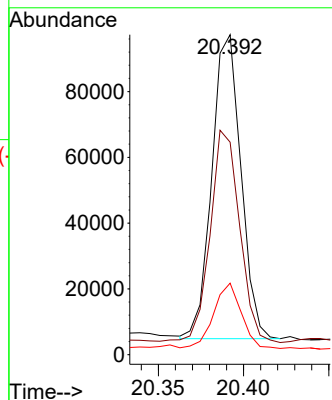
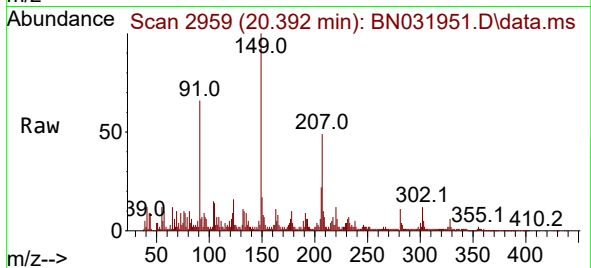
Tgt Ion:149 Resp: 109692

Ion Ratio Lower Upper

149 100

91 66.4 61.0 91.4

206 22.3 16.5 24.7



#85

Benzo(a)anthracene

Concen: 19.782 ng/ul

RT: 21.274 min Scan# 3109

Delta R.T. 0.000 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

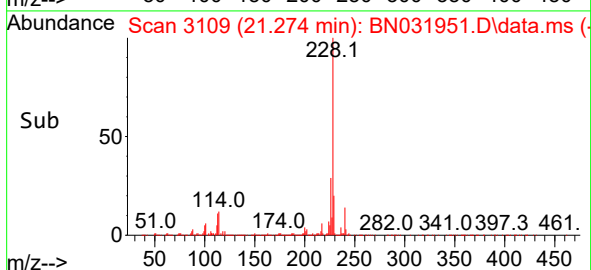
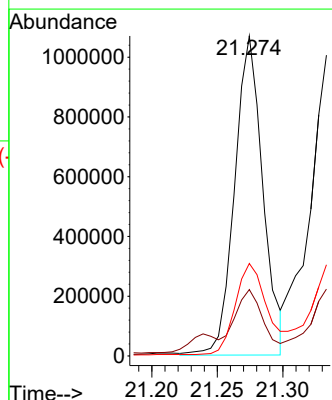
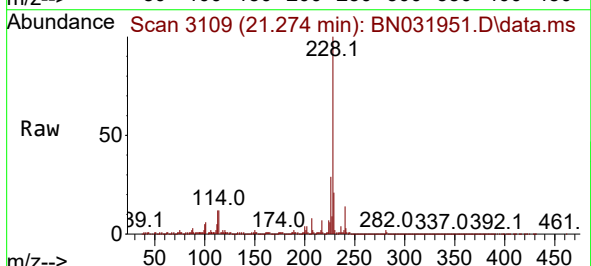
Tgt Ion:228 Resp: 1600073

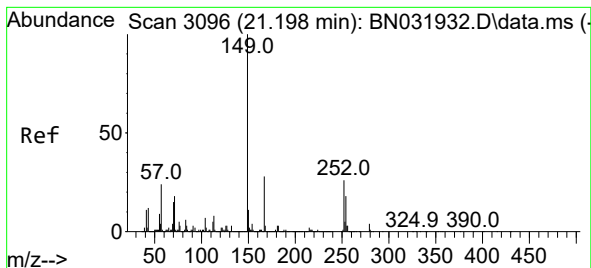
Ion Ratio Lower Upper

228 100

229 20.7 16.7 25.1

226 28.9 22.8 34.2

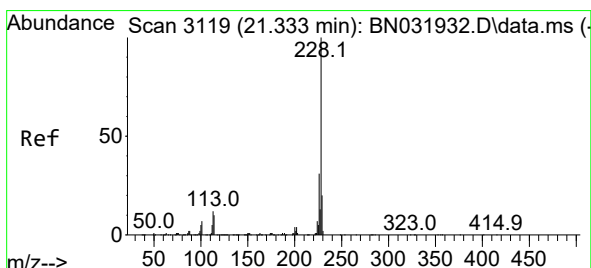
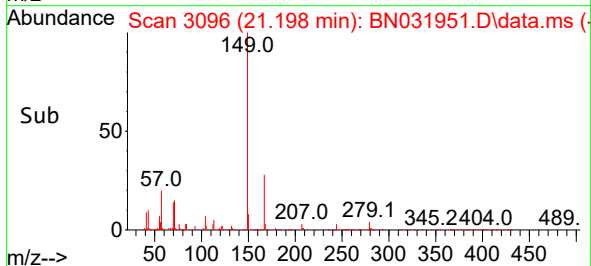
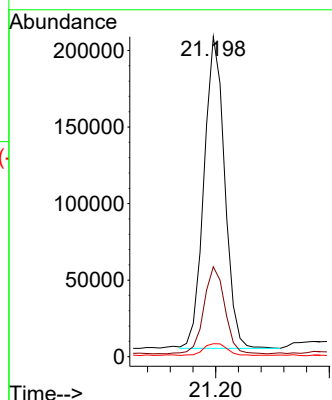
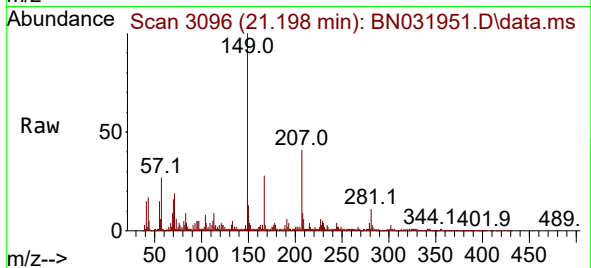




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 4.708 ng/ul
 RT: 21.198 min Scan# 3096
 Delta R.T. -0.006 min
 Lab File: BN031951.D
 Acq: 12 Jun 2024 21:18

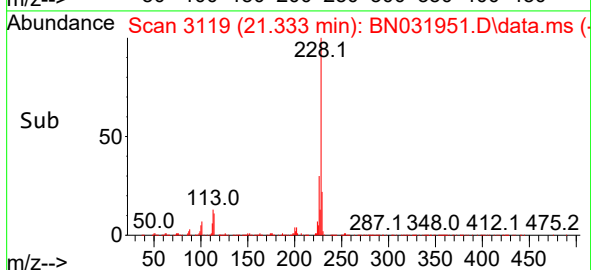
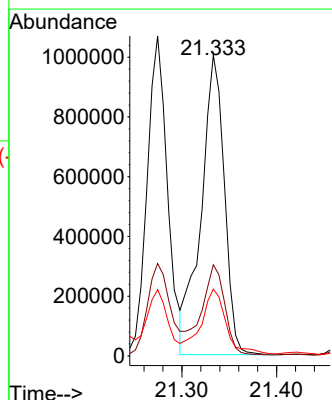
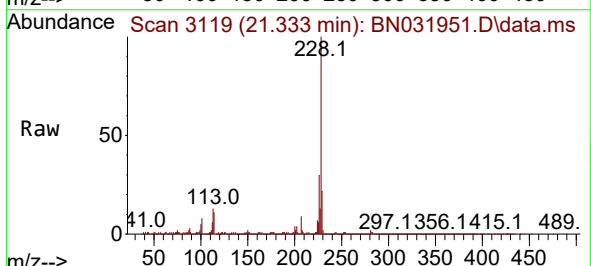
Instrument :
 BNA_N
 ClientSampleId :
 BH688

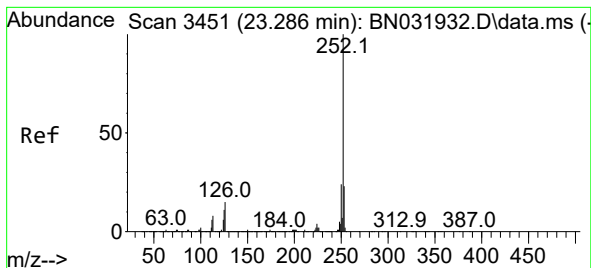
Tgt Ion:149 Resp: 257031
 Ion Ratio Lower Upper
 149 100
 167 28.1 21.4 32.0
 279 4.1 3.3 4.9



#87
 Chrysene
 Concen: 22.666 ng/ul
 RT: 21.333 min Scan# 3119
 Delta R.T. 0.000 min
 Lab File: BN031951.D
 Acq: 12 Jun 2024 21:18

Tgt Ion:228 Resp: 1712436
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.7 35.5
 229 22.2 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 28.278 ng/ul

RT: 23.298 min Scan# 3451

Delta R.T. 0.006 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

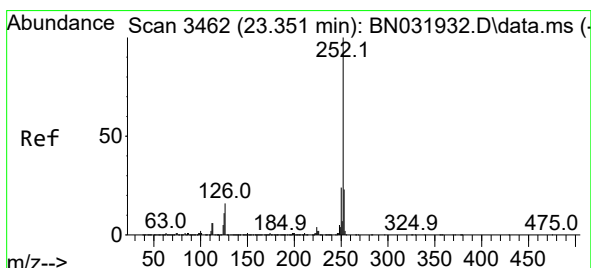
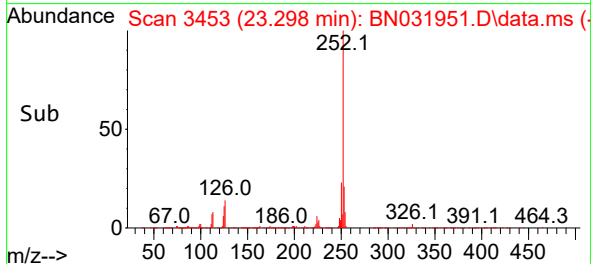
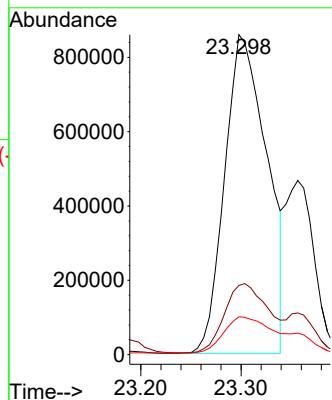
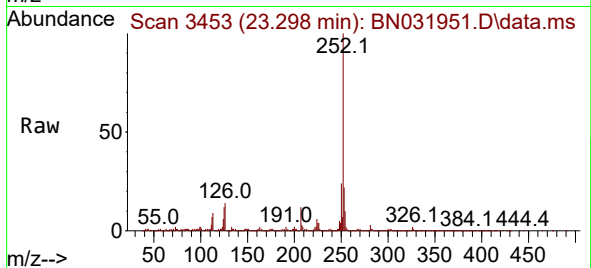
Tgt Ion:252 Resp: 2509595

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

125 11.9 9.2 13.8



#91

Benzo(k)fluoranthene

Concen: 28.818 ng/ul

RT: 23.298 min Scan# 3453

Delta R.T. -0.053 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

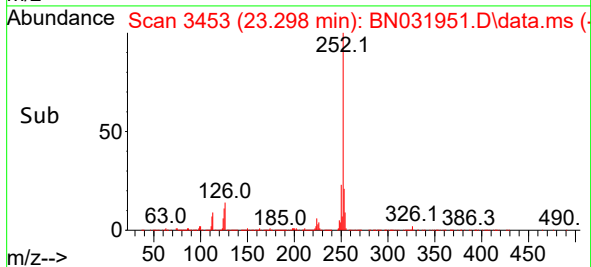
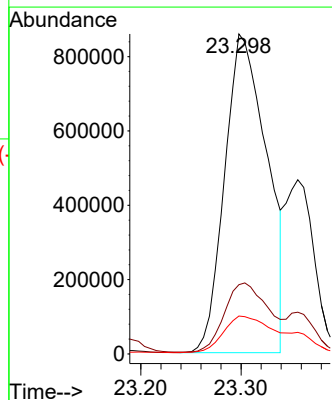
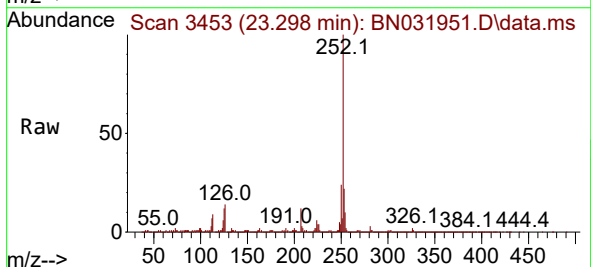
Tgt Ion:252 Resp: 2509595

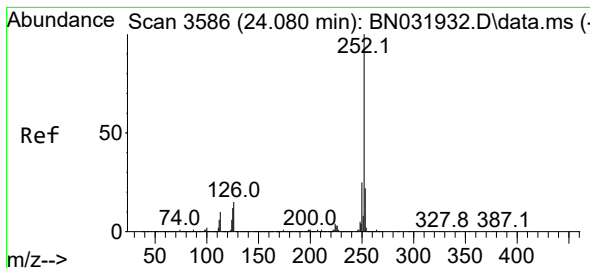
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 11.9 9.4 14.2





#93

Benzo(a)pyrene

Concen: 12.666 ng/ul

RT: 24.086 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

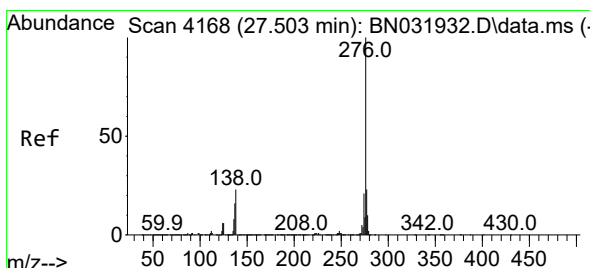
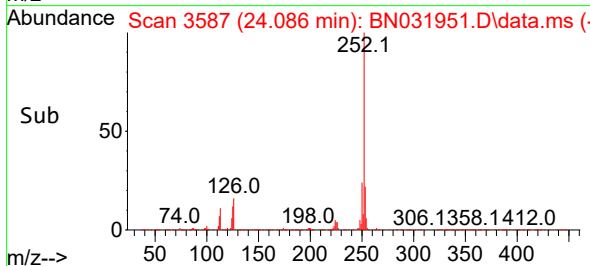
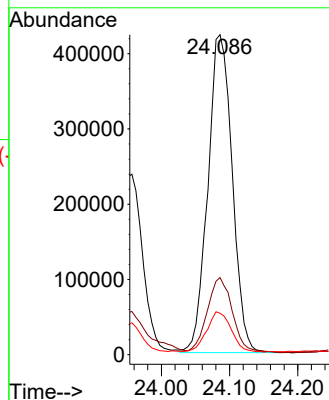
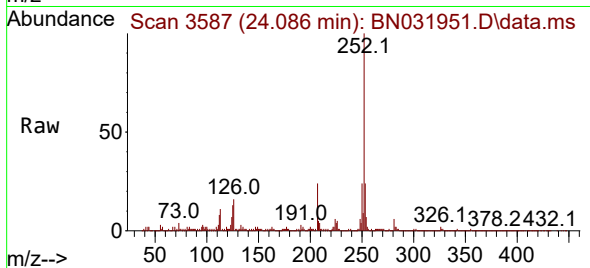
Tgt Ion:252 Resp: 1052815

Ion Ratio Lower Upper

252 100

253 24.1 16.6 24.8

125 13.0 9.8 14.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 11.354 ng/ul

RT: 27.521 min Scan# 4171

Delta R.T. 0.006 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

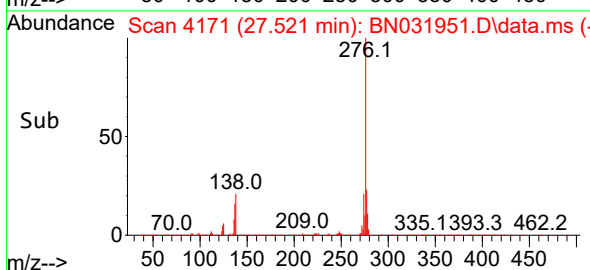
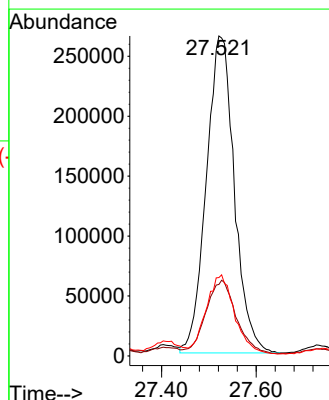
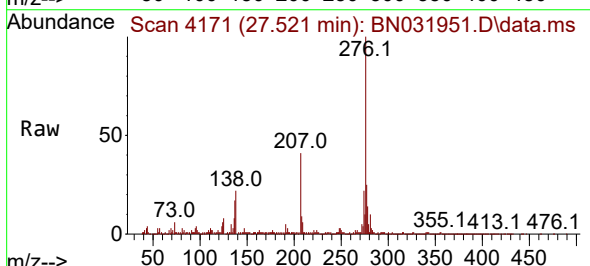
Tgt Ion:276 Resp: 1087495

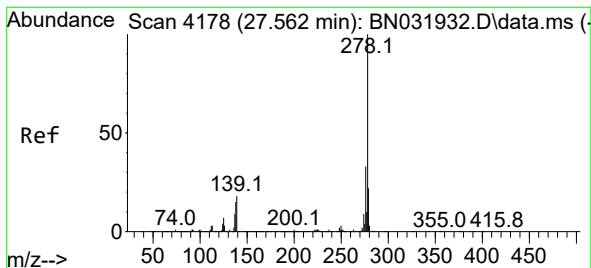
Ion Ratio Lower Upper

276 100

138 22.4 18.1 27.1

277 24.5 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 4.577 ng/ul

RT: 27.556 min Scan# 4177

Delta R.T. -0.024 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_N

ClientSampleId :

BH688

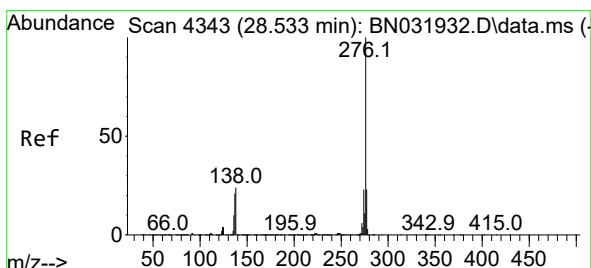
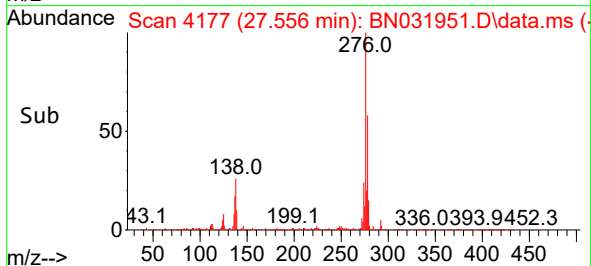
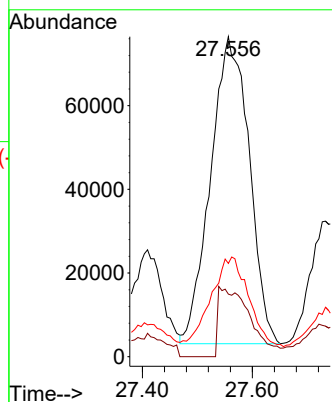
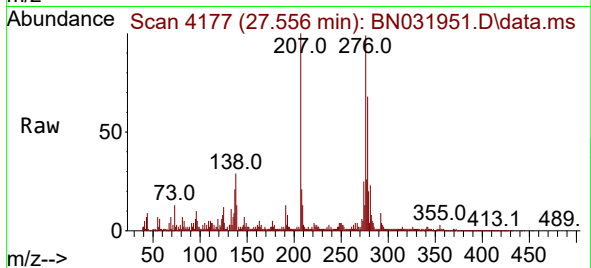
Tgt Ion:278 Resp: 357934

Ion Ratio Lower Upper

278 100

139 19.6 15.0 22.6

279 29.1 17.4 26.0#



#96

Benzo(g,h,i)perylene

Concen: 1.971 ng/ul

RT: 28.550 min Scan# 4346

Delta R.T. 0.006 min

Lab File: BN031951.D

Acq: 12 Jun 2024 21:18

Tgt Ion:276 Resp: 150064

Ion Ratio Lower Upper

276 100

138 29.7 20.9 31.3

277 26.6 18.0 27.0

