

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058890.D
 Acq On : 29 Aug 2023 16:44
 Operator : MA/JU
 Sample : 04165-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208

Quant Time: Aug 29 17:24:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

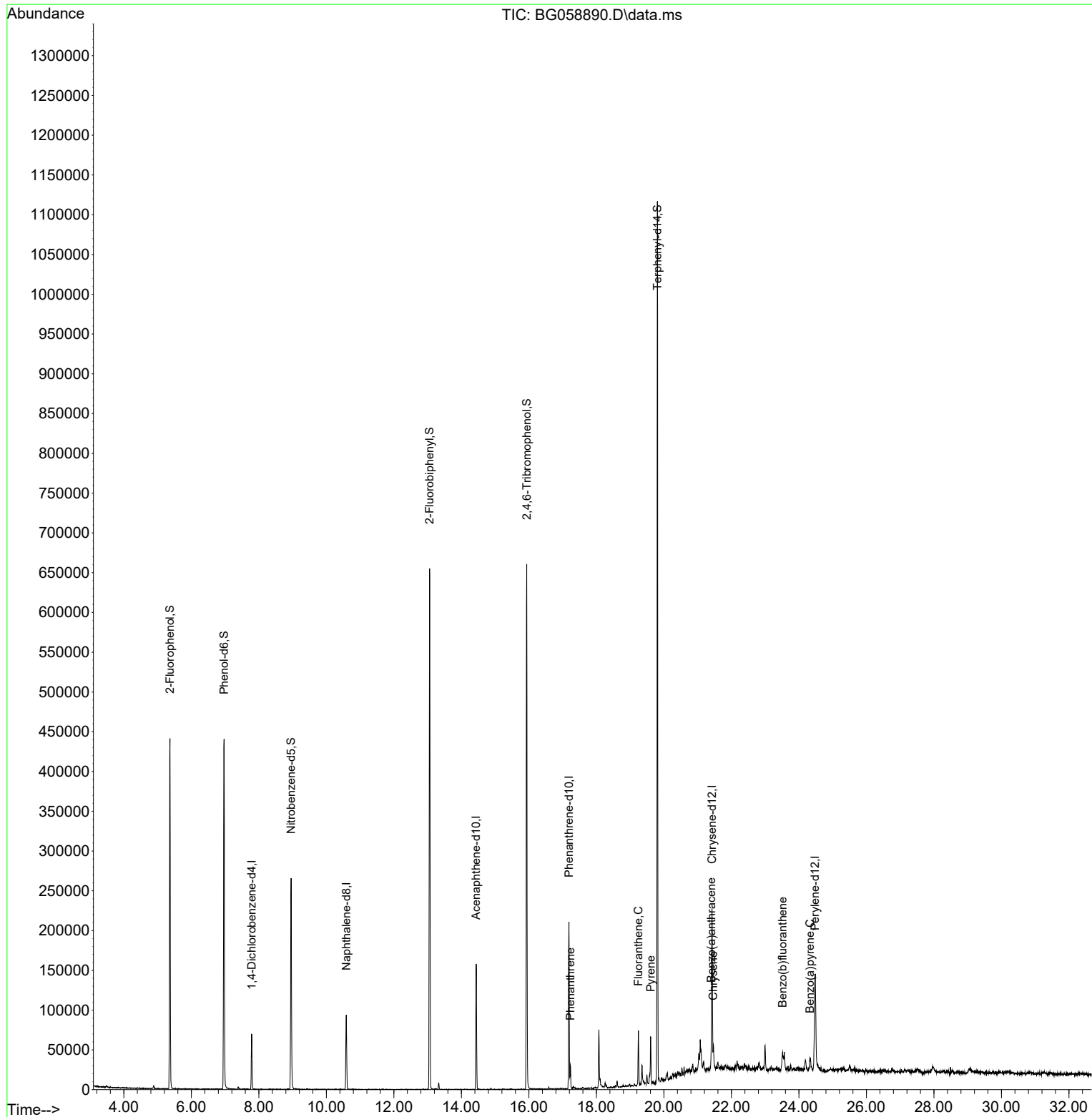
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	17911	20.000	ng	0.00
21) Naphthalene-d8	10.588	136	79676	20.000	ng	# 0.00
39) Acenaphthene-d10	14.437	164	60545	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	132411	20.000	ng	# 0.00
76) Chrysene-d12	21.422	240	108227	20.000	ng	0.00
86) Perylene-d12	24.478	264	133543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.365	112	175328	157.528	ng	0.00
7) Phenol-d6	6.969	99	240938	154.294	ng	0.00
23) Nitrobenzene-d5	8.955	82	151612	91.485	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	145558	153.326	ng	0.00
45) 2-Fluorobiphenyl	13.056	172	364688	87.608	ng	0.00
79) Terphenyl-d14	19.807	244	562560	93.334	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.227	178	20091	3.161	ng	98
75) Fluoranthene	19.243	202	40841	5.181	ng	96
78) Pyrene	19.607	202	36656	4.861	ng	99
81) Benzo(a)anthracene	21.405	228	16106	2.138	ng	97
83) Chrysene	21.464	228	19579	2.696	ng	96
88) Benzo(b)fluoranthene	23.514	252	27320	3.687	ng	# 92
90) Benzo(a)pyrene	24.331	252	16806	2.303	ng	99

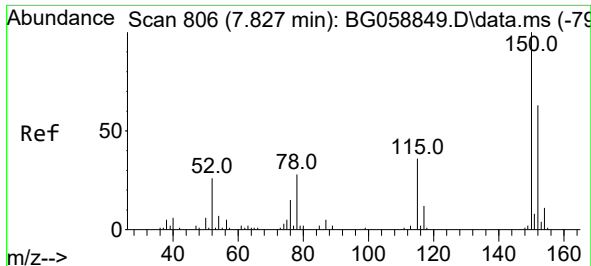
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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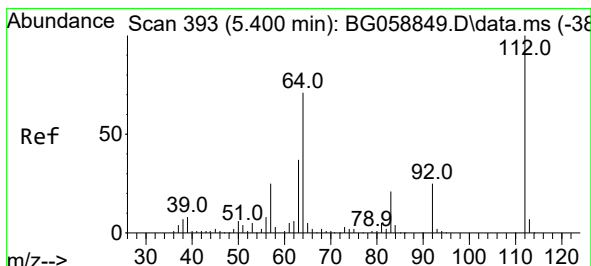
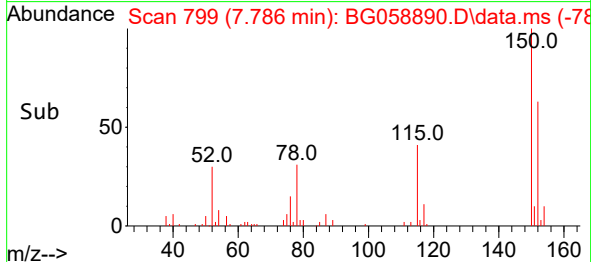
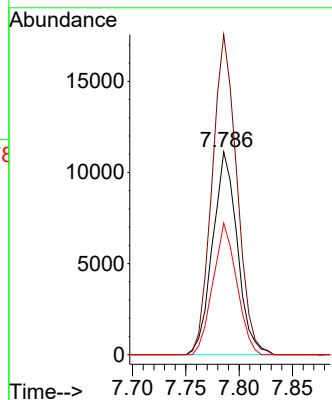
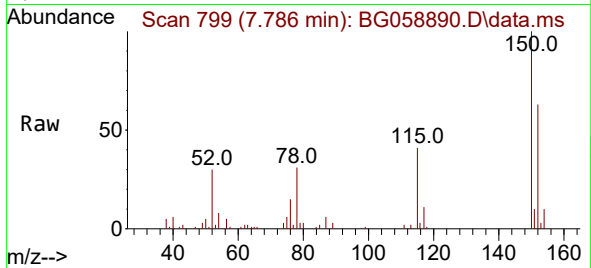




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 79
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

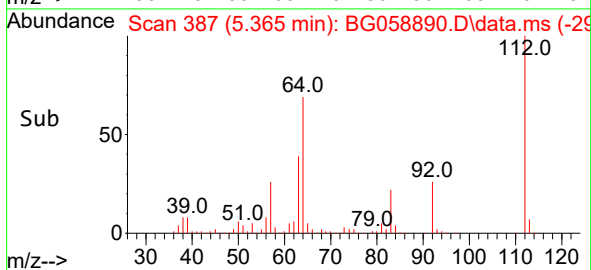
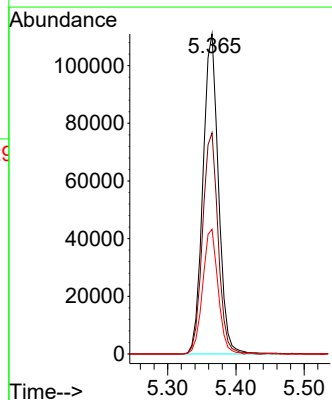
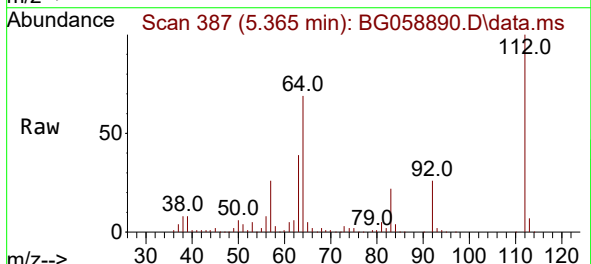
Instrument :
BNA_G
ClientSampleId :
VNJ-208

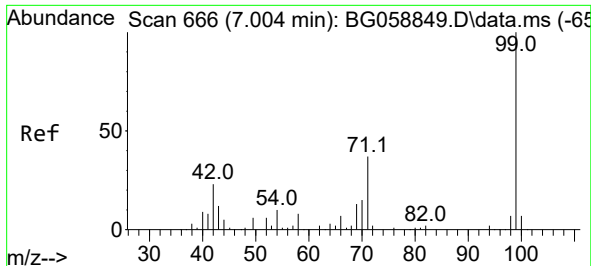
Tgt Ion:152 Resp: 17911
Ion Ratio Lower Upper
152 100
150 157.7 128.6 192.8
115 64.8 50.4 75.6



#5
2-Fluorophenol
Concen: 157.528 ng
RT: 5.365 min Scan# 387
Delta R.T. 0.008 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:112 Resp: 175328
Ion Ratio Lower Upper
112 100
64 69.1 60.6 90.8
63 39.0 31.0 46.4

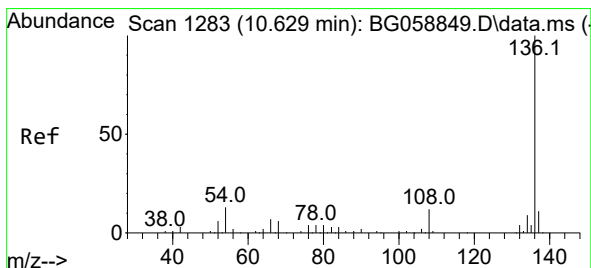
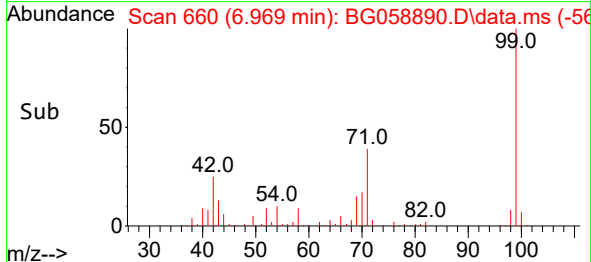
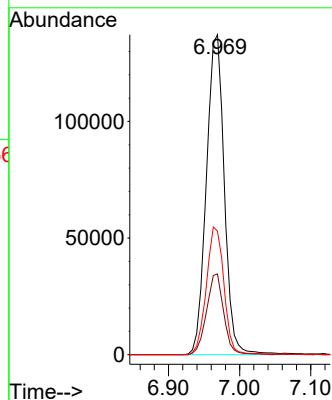
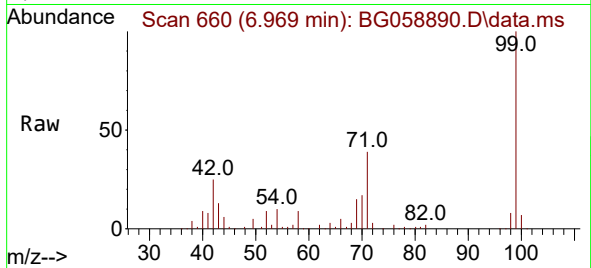




#7
Phenol-d6
Concen: 154.294 ng
RT: 6.969 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

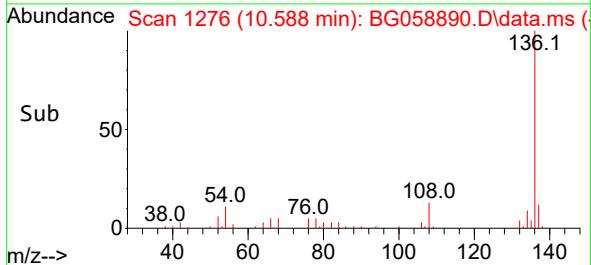
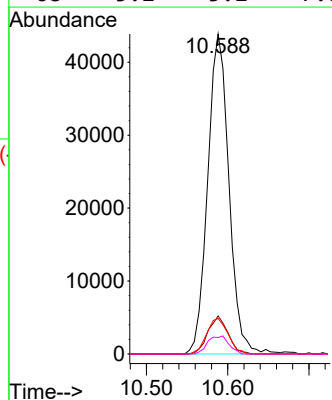
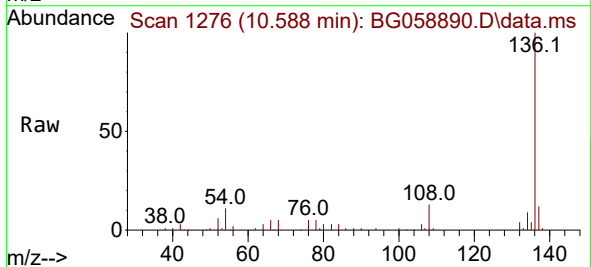
Instrument :
BNA_G
ClientSampleId :
VNJ-208

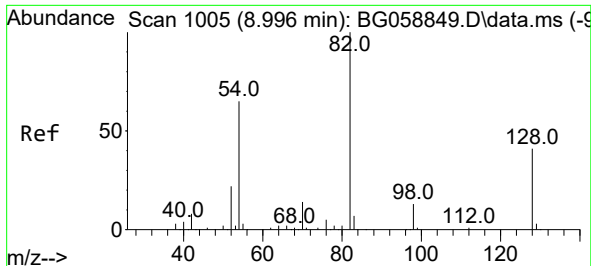
Tgt Ion: 99 Resp: 240938
Ion Ratio Lower Upper
99 100
42 25.3 16.5 24.7#
71 38.6 28.4 42.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.588 min Scan# 1276
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:136 Resp: 79676
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 11.1 10.1 15.1
68 5.2 5.2 7.8#

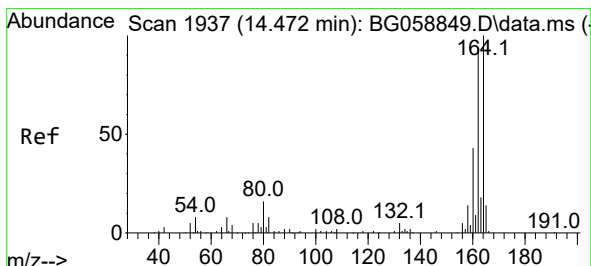
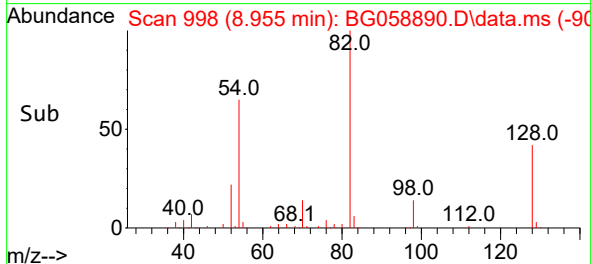
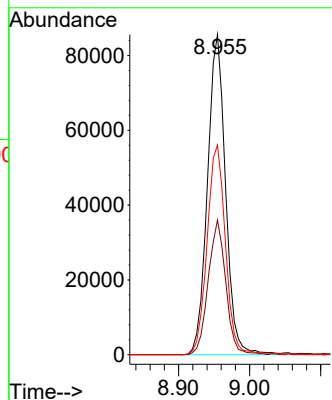
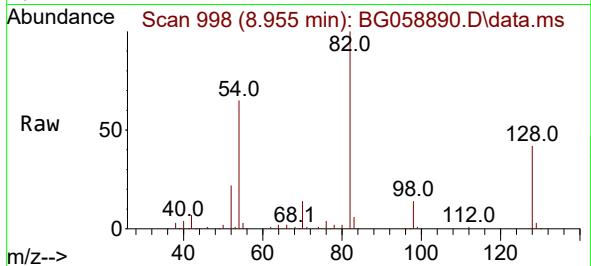




#23
Nitrobenzene-d5
Concen: 91.485 ng
RT: 8.955 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

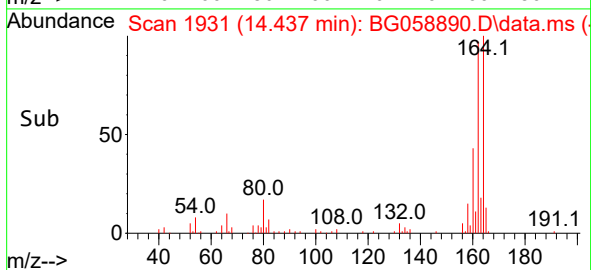
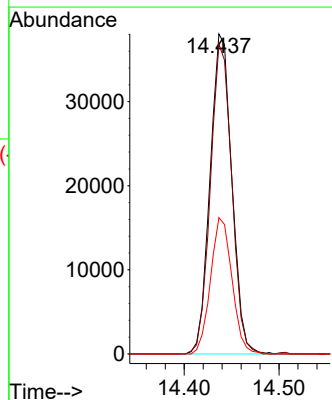
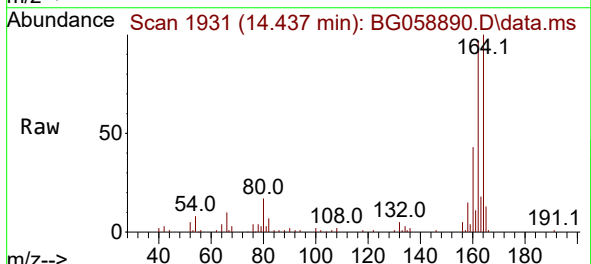
Instrument :
BNA_G
ClientSampleId :
VNJ-208

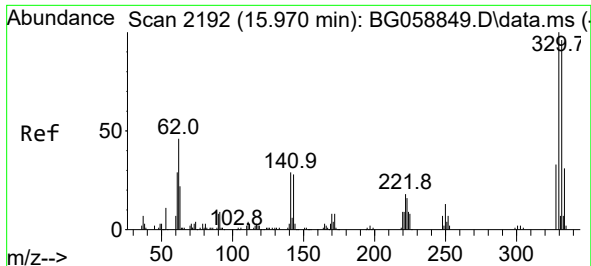
Tgt Ion: 82 Resp: 151612
Ion Ratio Lower Upper
82 100
128 42.0 33.2 49.8
54 65.5 51.2 76.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.437 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion: 164 Resp: 60545
Ion Ratio Lower Upper
164 100
162 96.8 79.6 119.4
160 42.6 34.0 51.0





#42

2,4,6-Tribromophenol

Concen: 153.326 ng

RT: 15.935 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-208

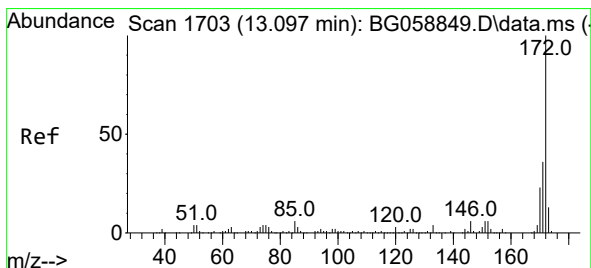
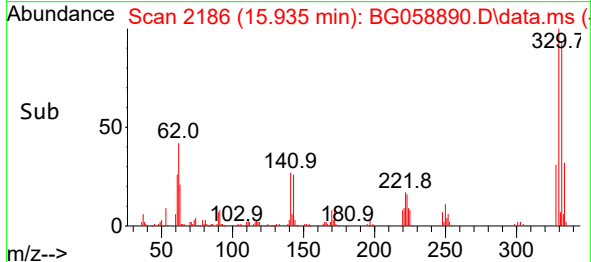
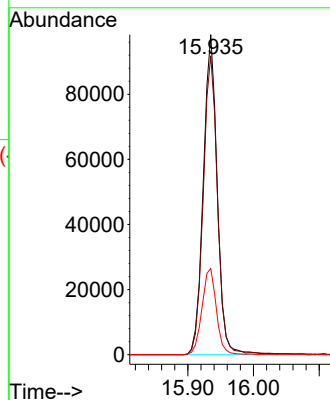
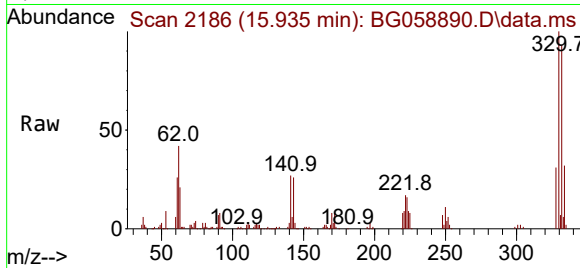
Tgt Ion:330 Resp: 145558

Ion Ratio Lower Upper

330 100

332 95.6 78.5 117.7

141 27.7 23.0 34.6



#45

2-Fluorobiphenyl

Concen: 87.608 ng

RT: 13.056 min Scan# 1696

Delta R.T. -0.003 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

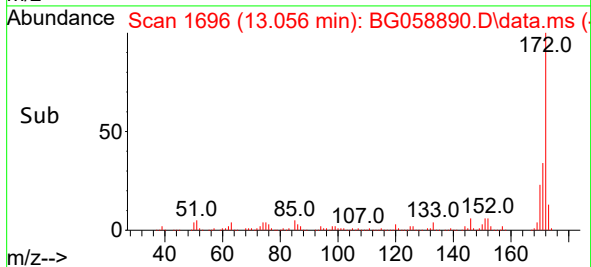
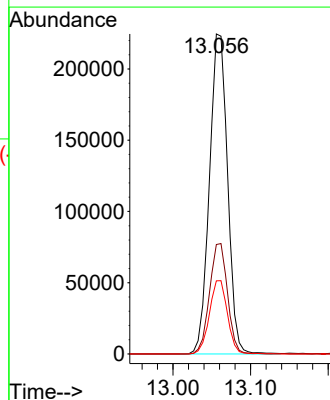
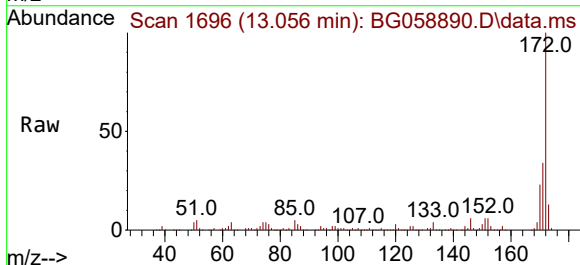
Tgt Ion:172 Resp: 364688

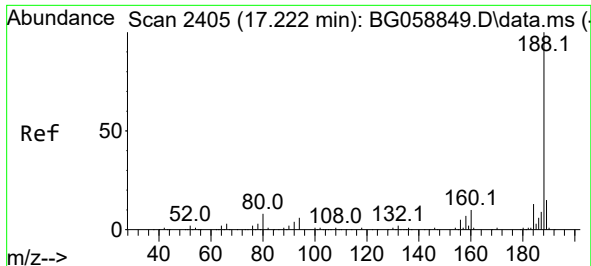
Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 22.8 18.6 27.8

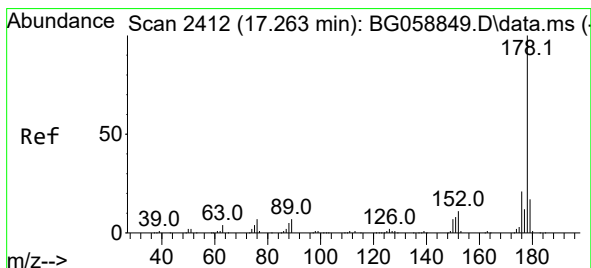
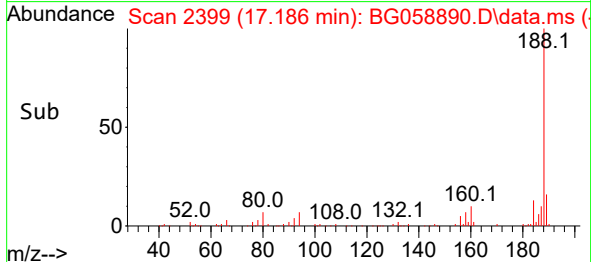
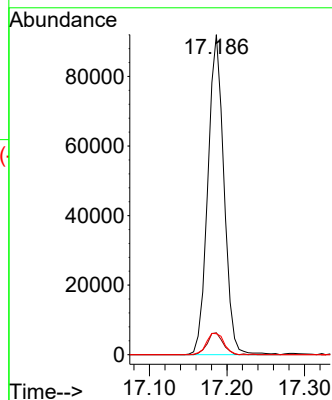
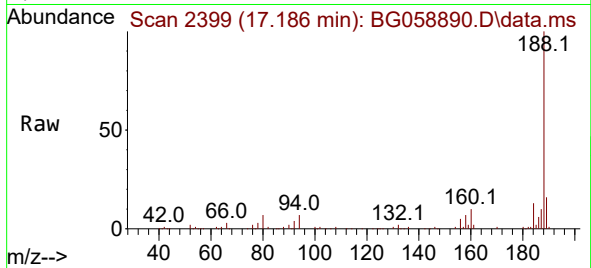




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

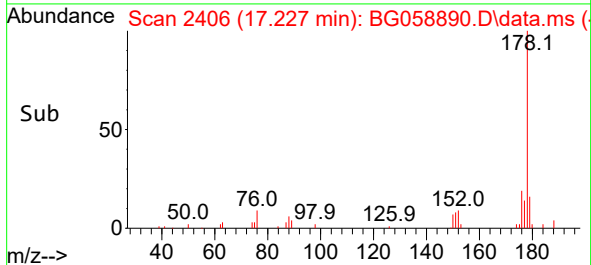
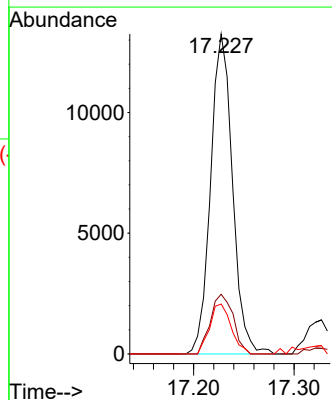
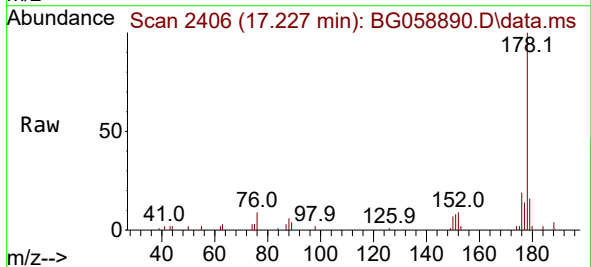
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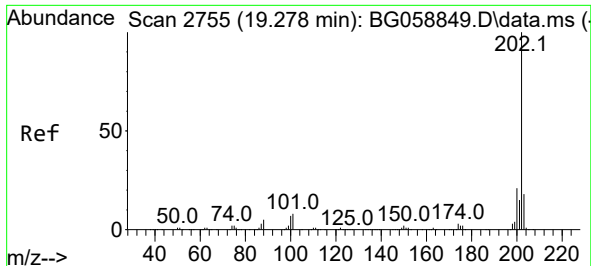
Tgt Ion:188 Resp: 132411
Ion Ratio Lower Upper
188 100
94 6.8 6.1 9.1
80 6.6 6.9 10.3#



#71
Phenanthrene
Concen: 3.161 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:178 Resp: 20091
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.6 13.0 19.4

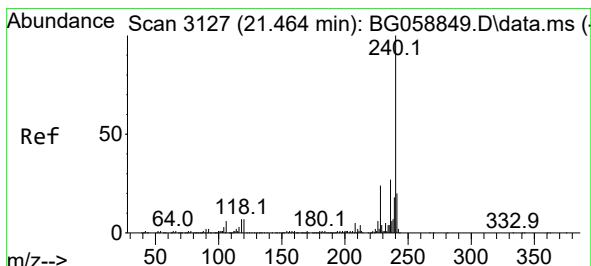
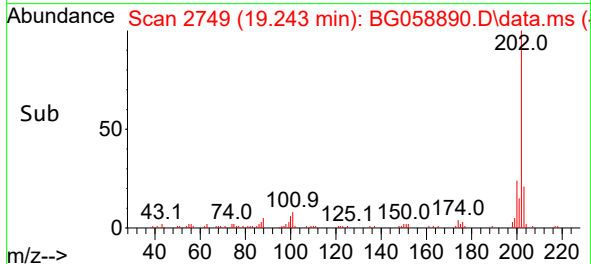
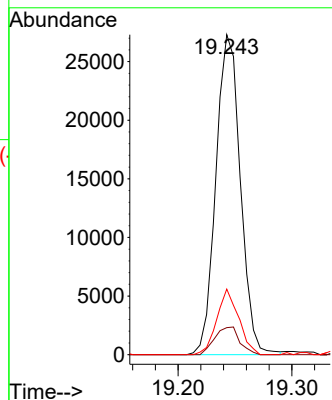
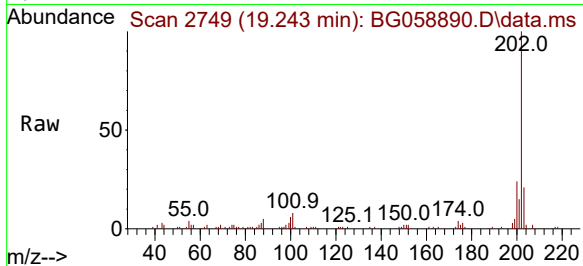




#75
Fluoranthene
Concen: 5.181 ng
RT: 19.243 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

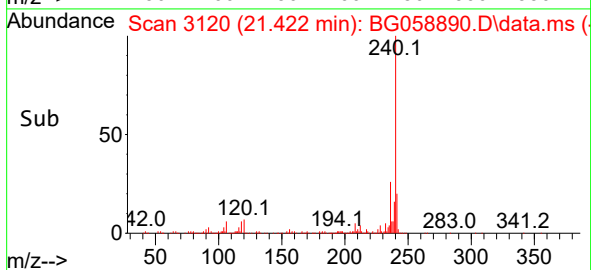
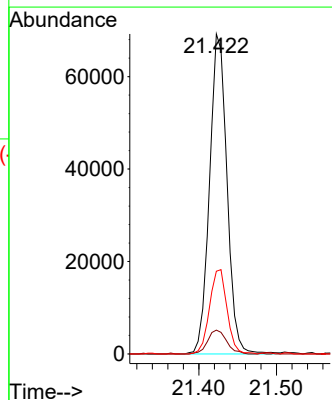
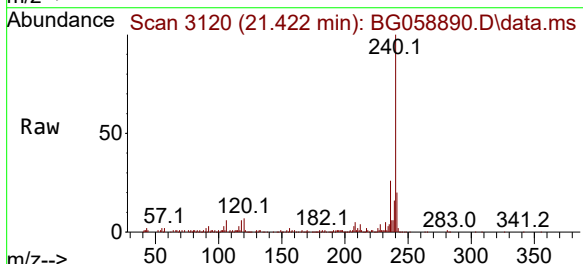
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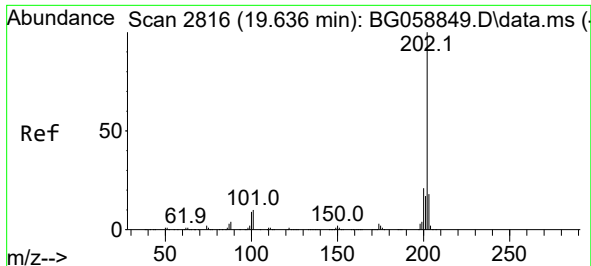
Tgt Ion:202 Resp: 40841
Ion Ratio Lower Upper
202 100
101 8.4 0.0 29.7
203 20.5 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.422 min Scan# 3120
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:240 Resp: 108227
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.2
236 25.8 20.5 30.7

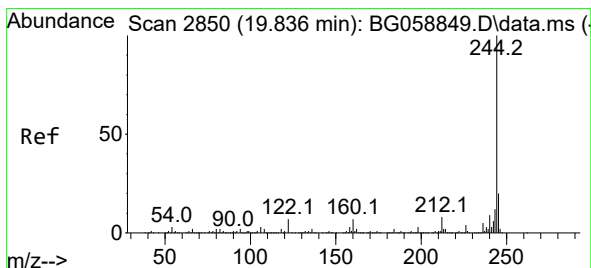
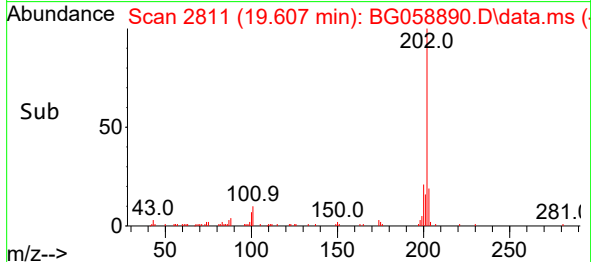
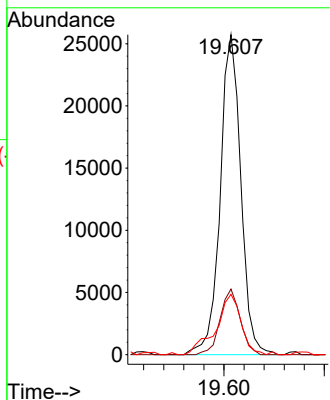
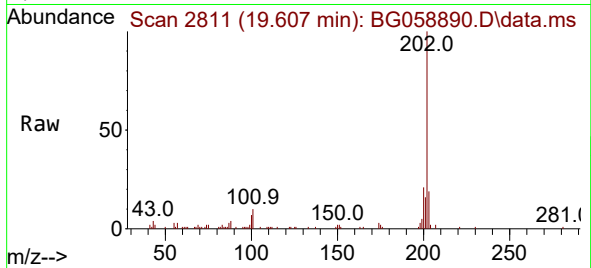




#78
 Pyrene
 Concen: 4.861 ng
 RT: 19.607 min Scan# 2816
 Delta R.T. 0.003 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

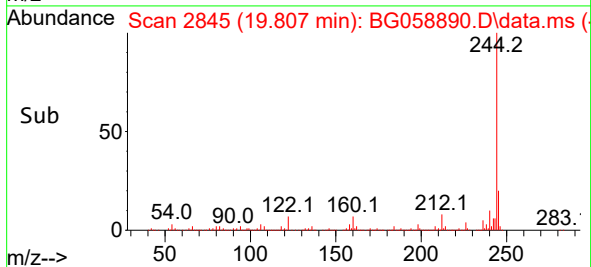
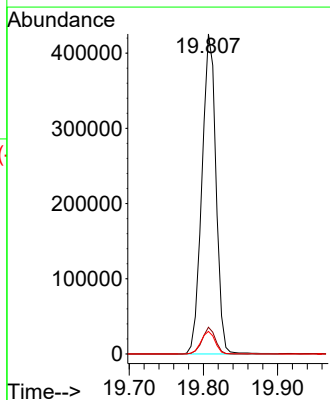
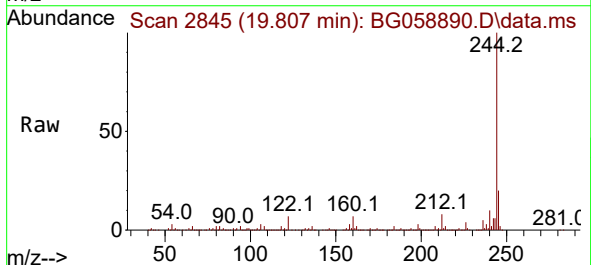
Instrument :
 BNA_G
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 VNJ-208

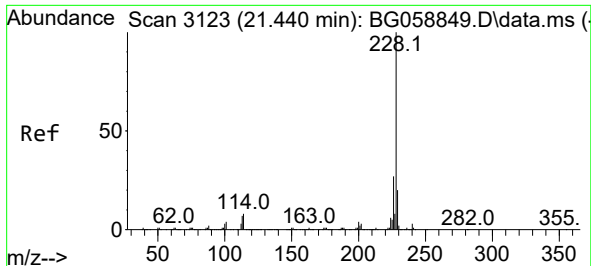
Tgt Ion:202 Resp: 36656
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 18.8 15.3 22.9



#79
 Terphenyl-d14
 Concen: 93.334 ng
 RT: 19.807 min Scan# 2845
 Delta R.T. 0.003 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

Tgt Ion:244 Resp: 562560
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.2 9.2
 122 7.1 6.3 9.5

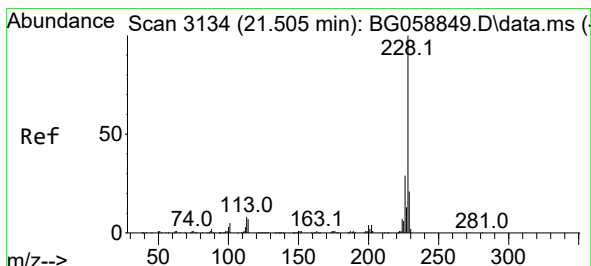
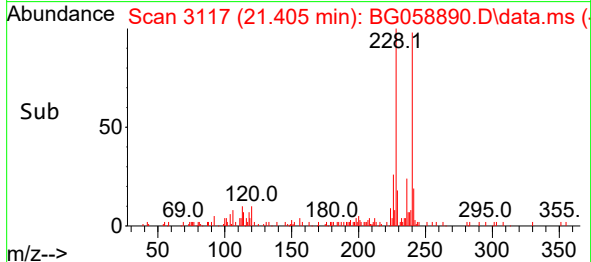
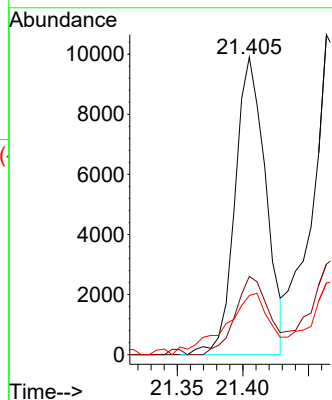
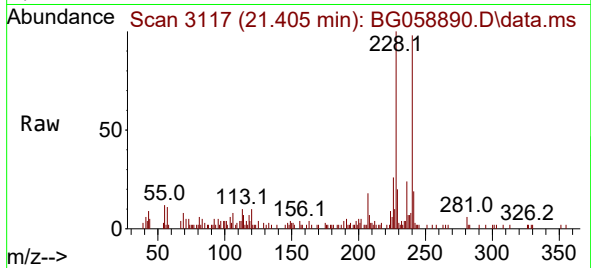




#81
Benzo(a)anthracene
Concen: 2.138 ng
RT: 21.405 min Scan# 3117
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

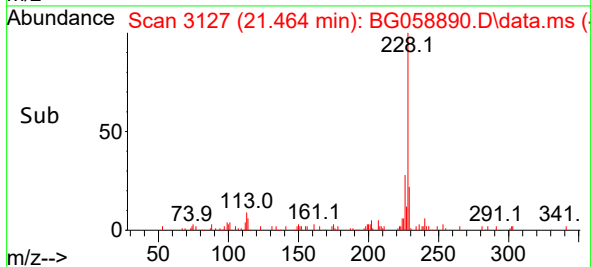
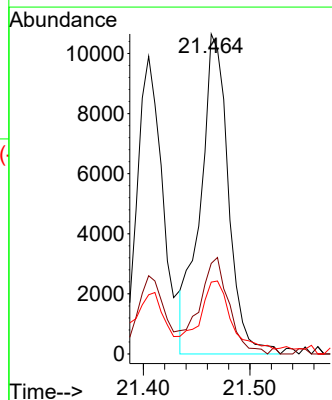
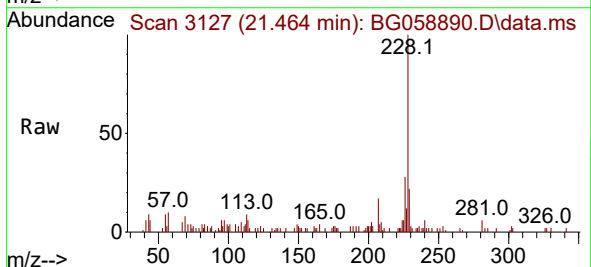
Instrument :
BNA_G
ClientSampleId :
VNJ-208

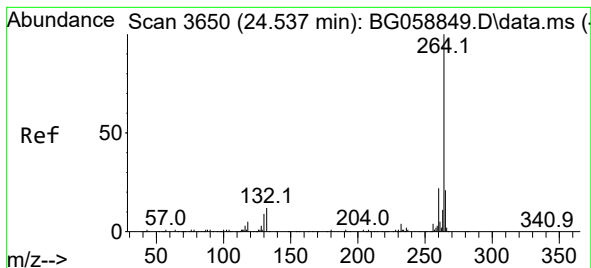
Tgt Ion:228 Resp: 16106
Ion Ratio Lower Upper
228 100
226 26.3 22.6 33.8
229 19.9 16.8 25.2



#83
Chrysene
Concen: 2.696 ng
RT: 21.464 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:228 Resp: 19579
Ion Ratio Lower Upper
228 100
226 28.3 24.4 36.6
229 22.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.478 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-208

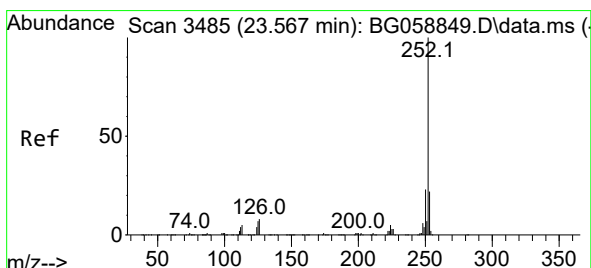
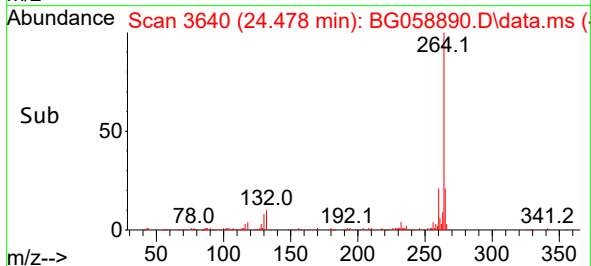
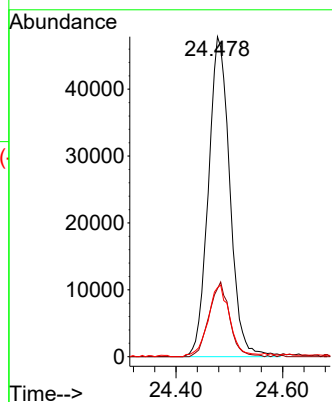
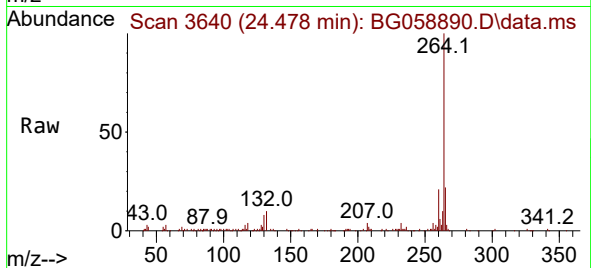
Tgt Ion:264 Resp: 133543

Ion Ratio Lower Upper

264 100

260 21.3 18.2 27.2

265 21.6 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 3.687 ng

RT: 23.514 min Scan# 3476

Delta R.T. 0.008 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

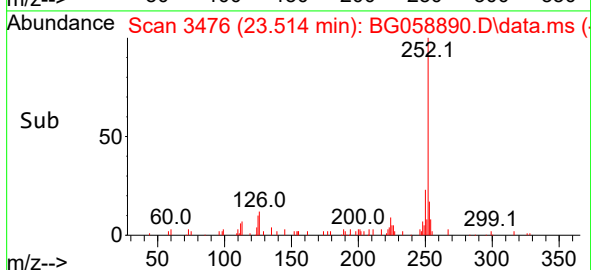
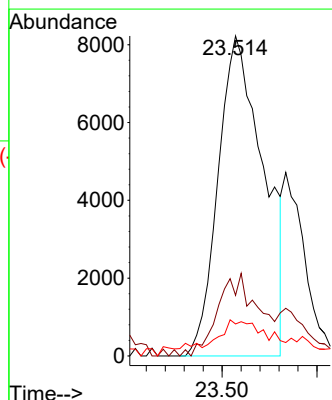
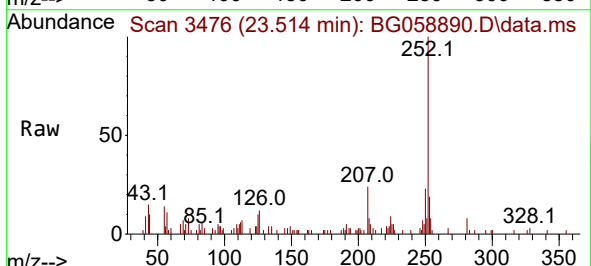
Tgt Ion:252 Resp: 27320

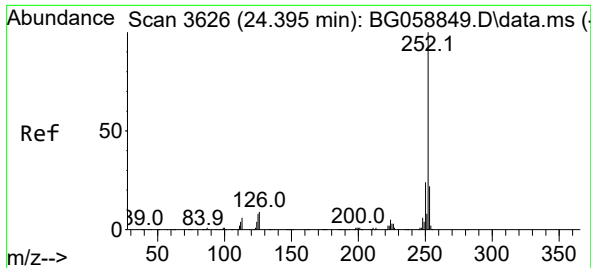
Ion Ratio Lower Upper

252 100

253 18.9 18.4 27.6

125 10.0 6.2 9.2#





#90
 Benzo(a)pyrene
 Concen: 2.303 ng
 RT: 24.331 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208

Tgt Ion:252 Resp: 16806
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 9.6 6.8 10.2

