

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055327.D
 Acq On : 27 Oct 2022 17:17
 Operator : CG/JU
 Sample : N5238-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430DL

Quant Time: Oct 27 18:21:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

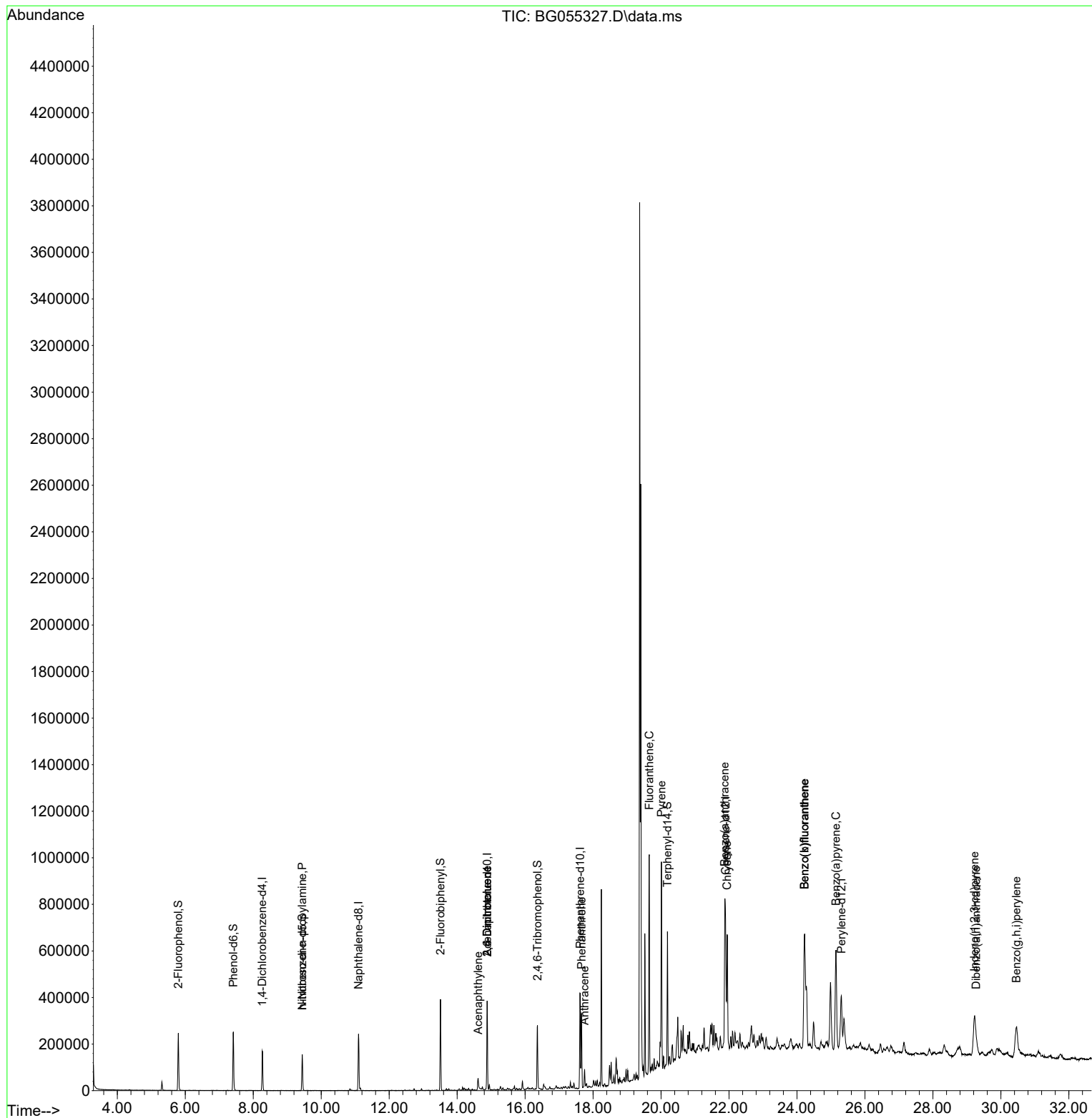
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.268	152	50145	20.000	ng	0.00
21) Naphthalene-d8	11.100	136	209880	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	130318	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	263307	20.000	ng	0.00
76) Chrysene-d12	21.899	240	235088	20.000	ng	0.00
86) Perylene-d12	25.312	264	259515	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	117784	41.128	ng	0.00
7) Phenol-d6	7.416	99	158119	38.110	ng	0.00
23) Nitrobenzene-d5	9.443	82	97701	23.770	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	55414	39.116	ng	0.00
45) 2-Fluorobiphenyl	13.509	172	196448	24.673	ng	0.00
79) Terphenyl-d14	20.189	244	267544	23.645	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.443	70	12562	3.646	ng	# 82
49) Acenaphthylene	14.619	152	61716	5.072	ng	98
51) 2,6-Dinitrotoluene	14.883	165	17624	8.465	ng	# 22
57) 2,4-Dinitrotoluene	14.883	165	17624	5.833	ng	# 20
71) Phenanthrene	17.662	178	203086	14.462	ng	99
72) Anthracene	17.751	178	50787	3.700	ng	99
75) Fluoranthene	19.654	202	587582	35.910	ng	99
78) Pyrene	20.013	202	553167	34.329	ng	99
81) Benzo(a)anthracene	21.875	228	377750	23.928	ng	98
83) Chrysene	21.946	228	359774	23.992	ng	98
87) Indeno(1,2,3-cd)pyrene	29.225	276	352870	18.410	ng	95
88) Benzo(b)fluoranthene	24.225	252	653544	41.866	ng	97
89) Benzo(k)fluoranthene	24.225	252	653544	41.461	ng	99
90) Benzo(a)pyrene	25.148	252	469420	35.066	ng	98
91) Dibenzo(a,h)anthracene	29.272	278	86676	5.510	ng	92
92) Benzo(g,h,i)perylene	30.459	276	352468	22.592	ng	98

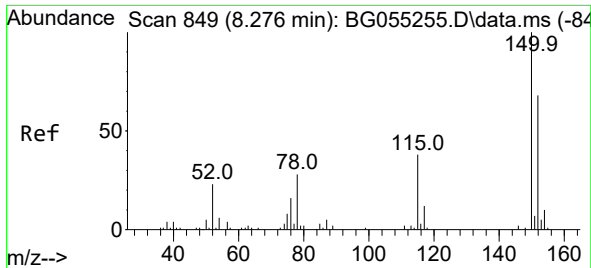
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG055327.D
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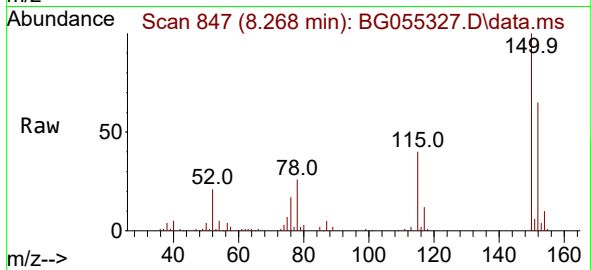
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration



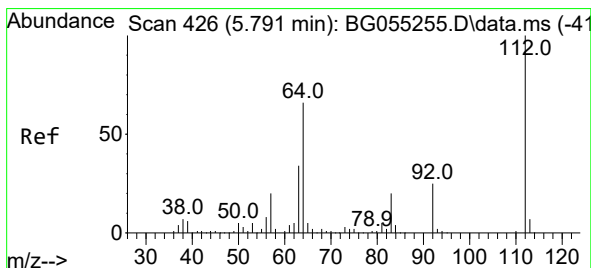
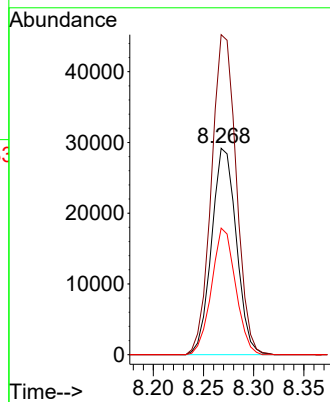
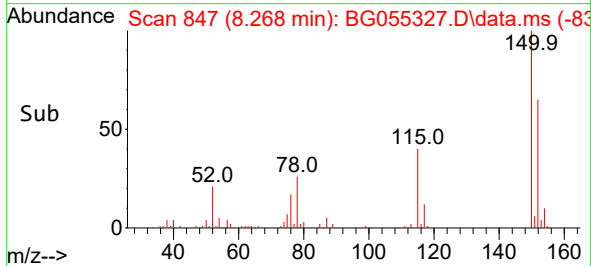


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.268 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

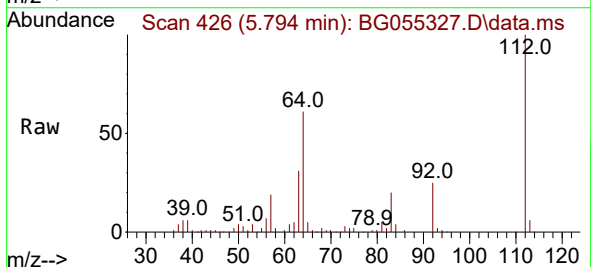
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BNA_G
ClientSampleId :
CHRT-20430DL



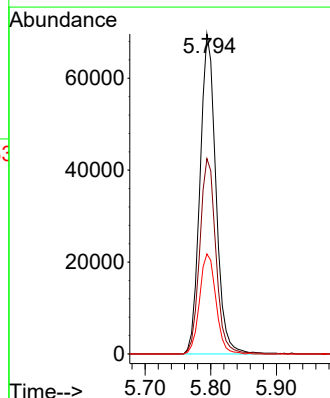
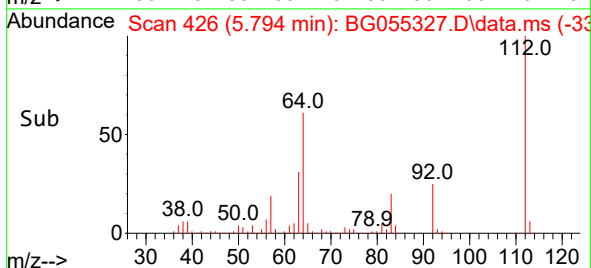
Tgt Ion:152 Resp: 50145
Ion Ratio Lower Upper
152 100
150 155.0 118.2 177.4
115 61.3 44.5 66.7

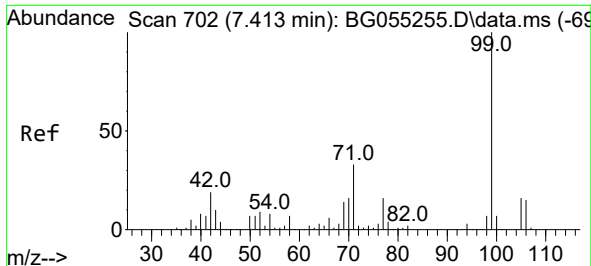


#5
2-Fluorophenol
Concen: 41.128 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17



Tgt Ion:112 Resp: 117784
Ion Ratio Lower Upper
112 100
64 61.0 52.6 78.8
63 31.2 27.1 40.7

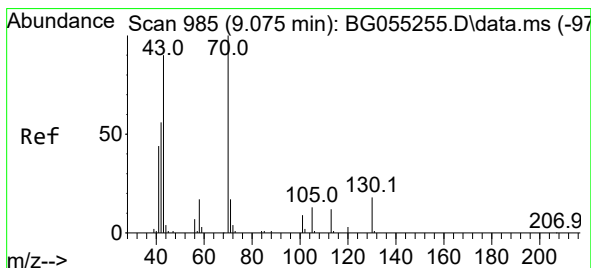
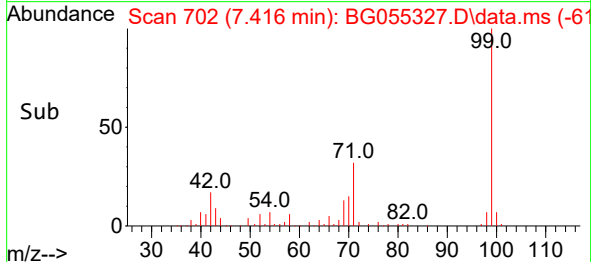
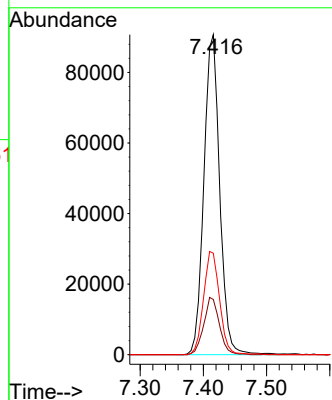
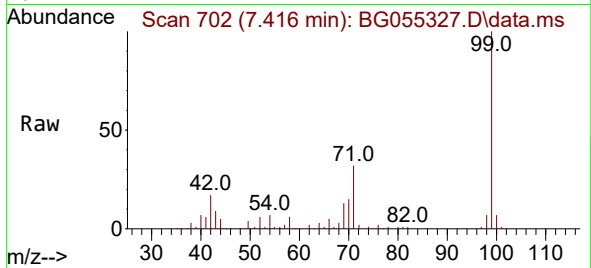




#7
Phenol-d6
Concen: 38.110 ng
RT: 7.416 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

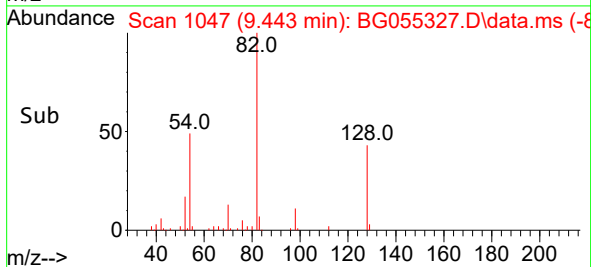
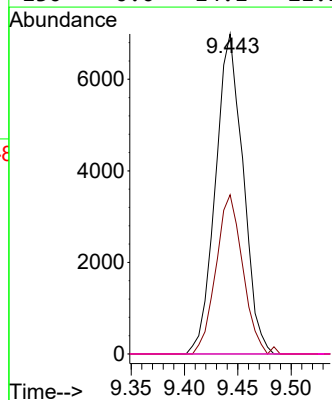
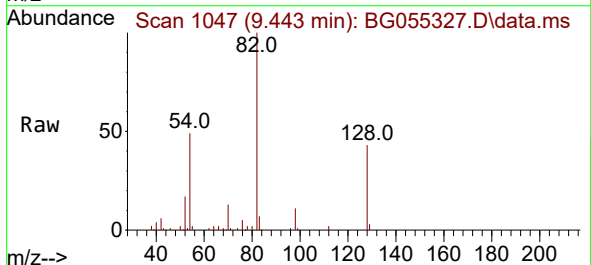
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL

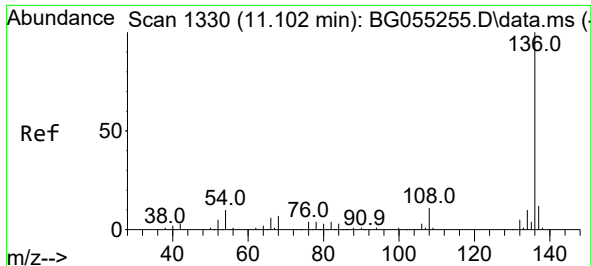
Tgt Ion: 99 Resp: 158119
Ion Ratio Lower Upper
99 100
42 17.2 15.2 22.8
71 31.7 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.646 ng
RT: 9.443 min Scan# 1047
Delta R.T. 0.367 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion: 70 Resp: 12562
Ion Ratio Lower Upper
70 100
42 49.7 45.8 68.6
101 0.0 7.4 11.0#
130 0.0 14.1 21.1#



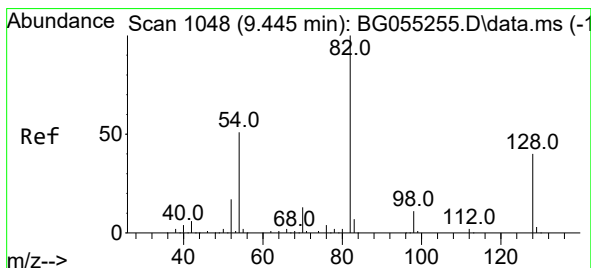
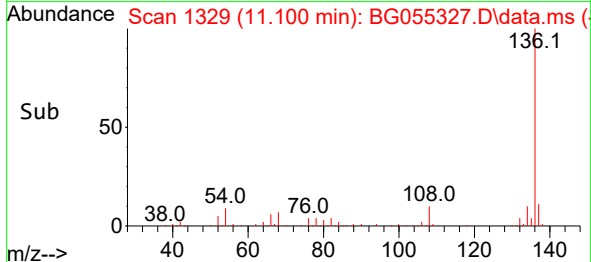
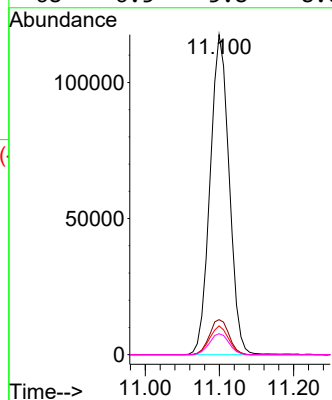
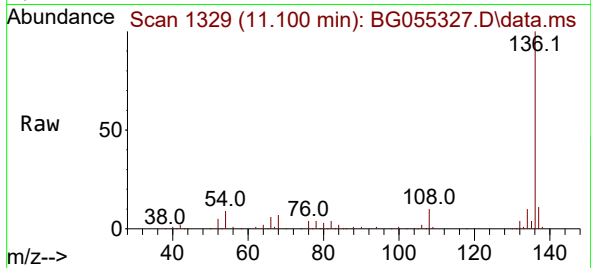


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.100 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL

Tgt Ion:136 Resp: 209880

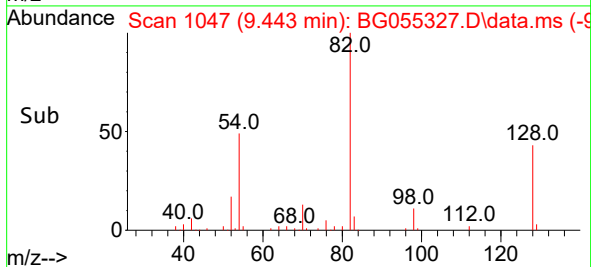
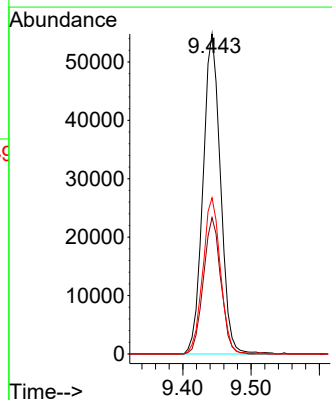
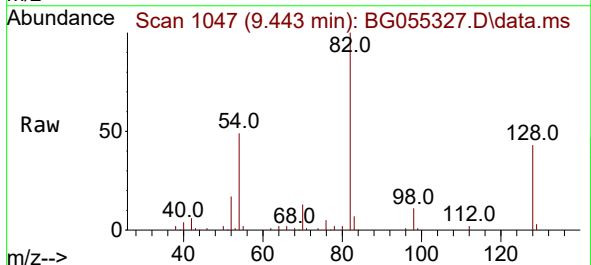
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.0	7.8	11.8
68	6.5	5.8	8.6

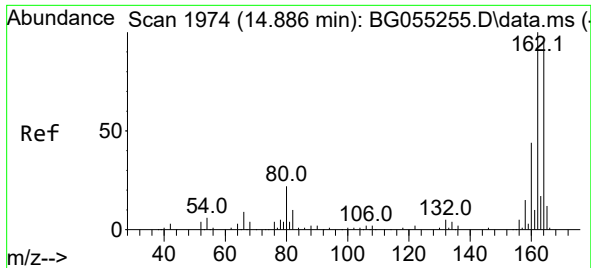


#23
Nitrobenzene-d5
Concen: 23.770 ng
RT: 9.443 min Scan# 1047
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion: 82 Resp: 97701

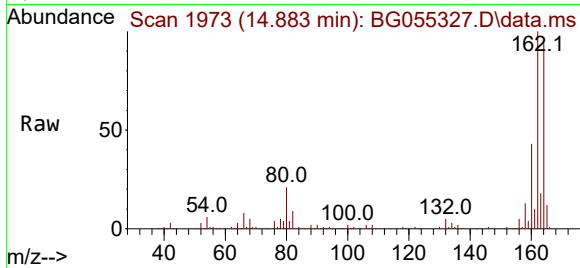
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.0	48.0
54	48.8	40.9	61.3



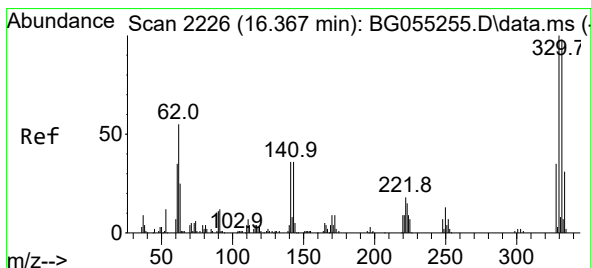
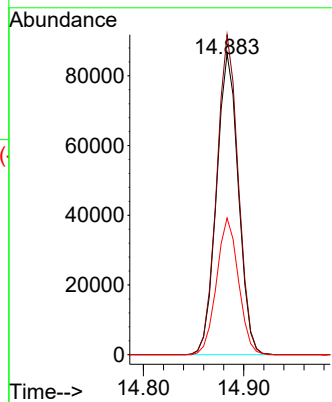
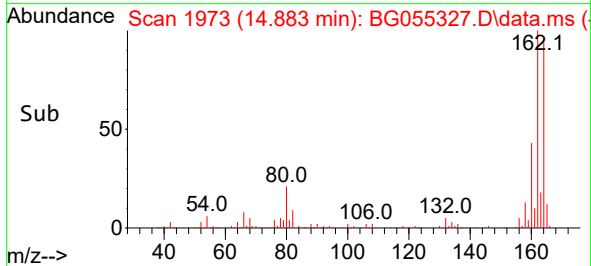


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.883 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

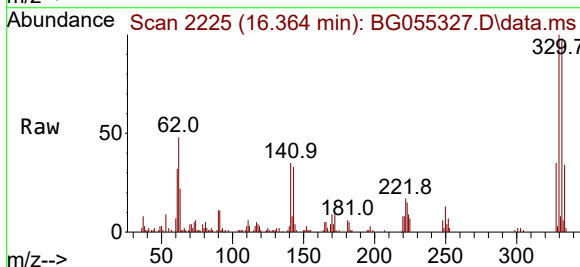
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL



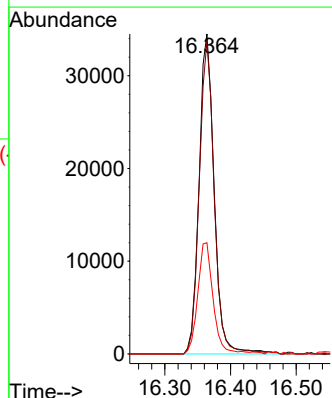
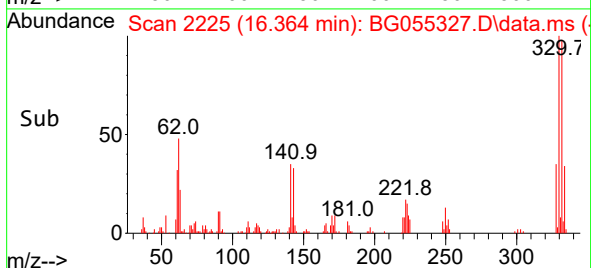
Tgt Ion:164 Resp: 130318
Ion Ratio Lower Upper
164 100
162 106.3 84.0 126.0
160 45.4 36.7 55.1

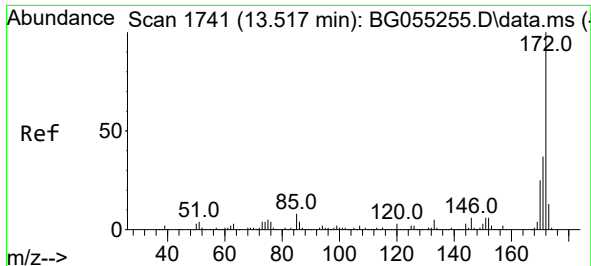


#42
2,4,6-Tribromophenol
Concen: 39.116 ng
RT: 16.364 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17



Tgt Ion:330 Resp: 55414
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 35.4 29.8 44.8

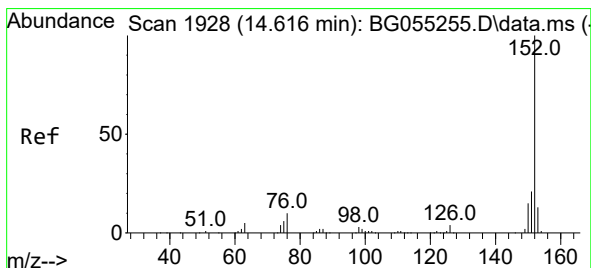
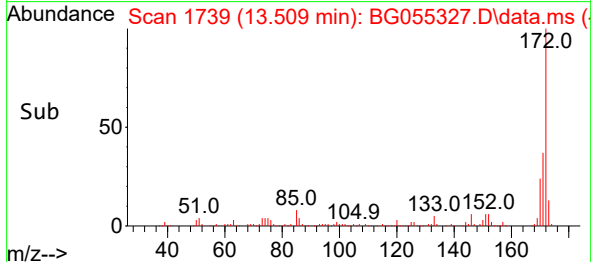
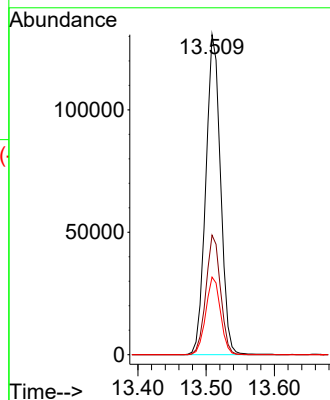
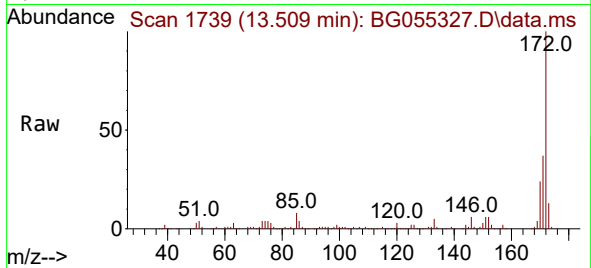




#45
2-Fluorobiphenyl
Concen: 24.673 ng
RT: 13.509 min Scan# 1739
Delta R.T. -0.009 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

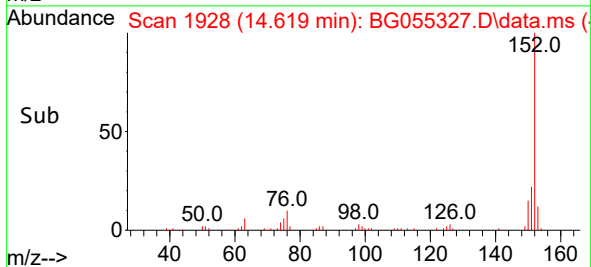
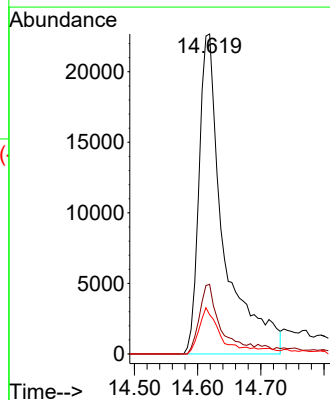
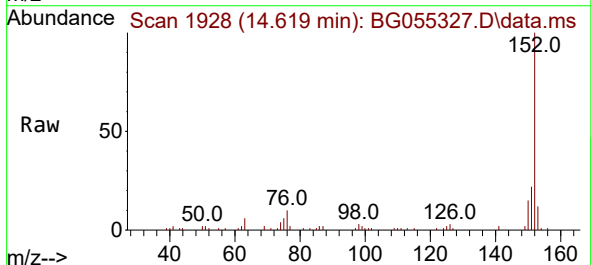
Instrument :
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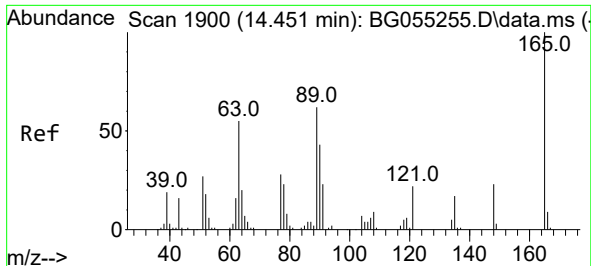
Tgt Ion:172 Resp: 196448
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.3 20.2 30.2



#49
Acenaphthylene
Concen: 5.072 ng
RT: 14.619 min Scan# 1928
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:152 Resp: 61716
Ion Ratio Lower Upper
152 100
151 21.7 16.6 25.0
153 12.2 10.5 15.7

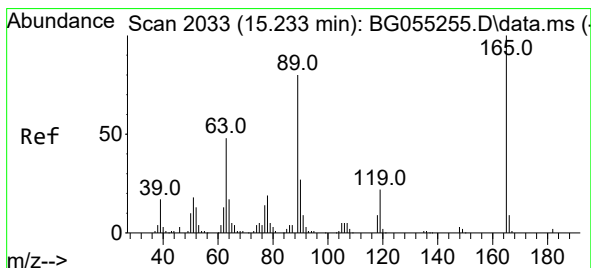
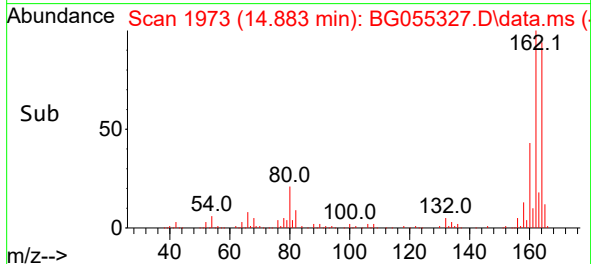
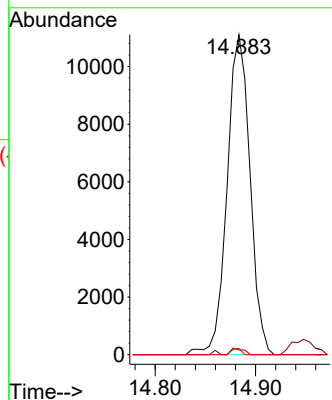
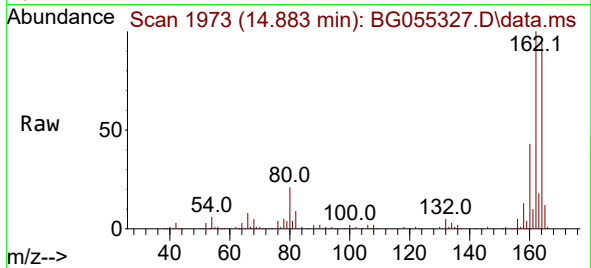




#51
2,6-Dinitrotoluene
Concen: 8.465 ng
RT: 14.883 min Scan# 1900
Delta R.T. 0.432 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

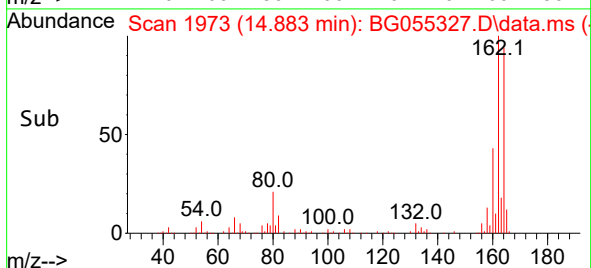
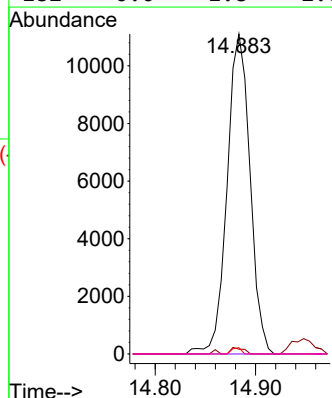
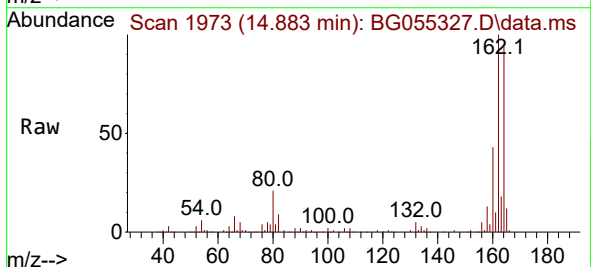
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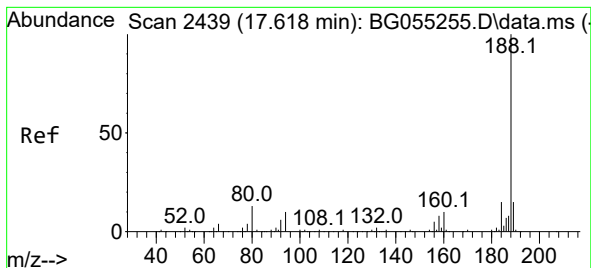
Tgt Ion:165 Resp: 17624
Ion Ratio Lower Upper
165 100
63 1.5 49.2 73.8#
89 2.0 49.9 74.9#



#57
2,4-Dinitrotoluene
Concen: 5.833 ng
RT: 14.883 min Scan# 1973
Delta R.T. -0.349 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:165 Resp: 17624
Ion Ratio Lower Upper
165 100
63 1.5 38.9 58.3#
89 2.0 64.2 96.4#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.621 min Scan# 2439

Delta R.T. 0.003 min

Lab File: BG055327.D

Acq: 27 Oct 2022 17:17

Instrument :

BNA_G

ClientSampleId :

CHRT-20430DL

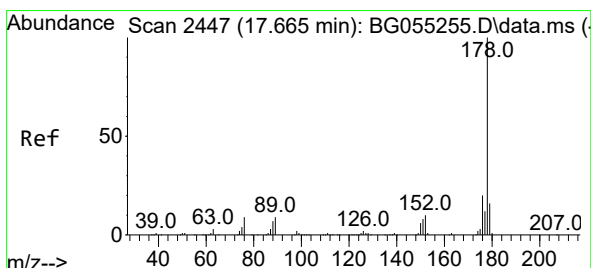
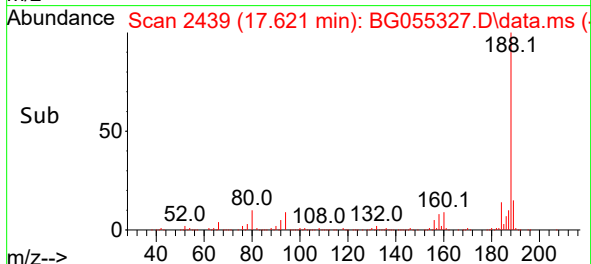
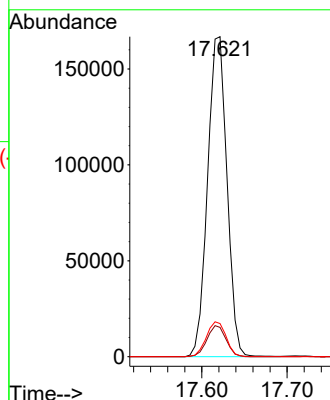
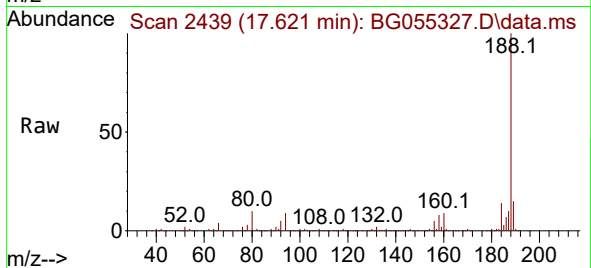
Tgt Ion:188 Resp: 263307

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

80 10.3 10.1 15.1



#71

Phenanthrene

Concen: 14.462 ng

RT: 17.662 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG055327.D

Acq: 27 Oct 2022 17:17

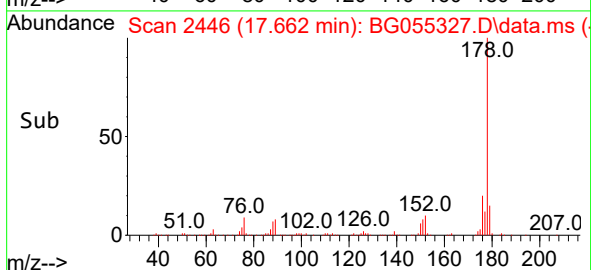
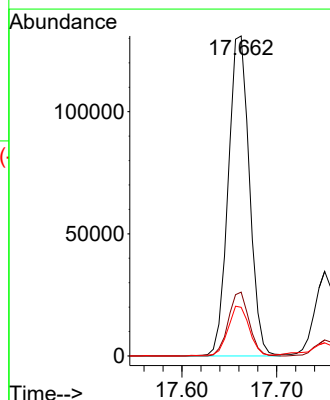
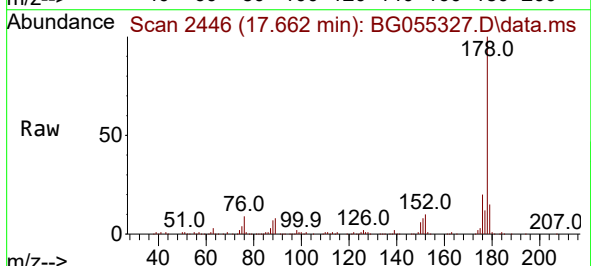
Tgt Ion:178 Resp: 203086

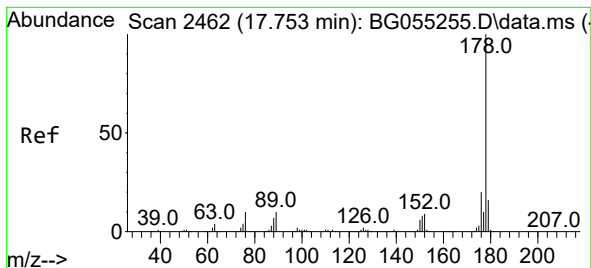
Ion Ratio Lower Upper

178 100

176 19.9 16.0 24.0

179 15.2 12.6 19.0





#72

Anthracene

Concen: 3.700 ng

RT: 17.751 min Scan# 2461

Delta R.T. -0.003 min

Lab File: BG055327.D

Acq: 27 Oct 2022 17:17

Instrument :

BNA_G

ClientSampleId :

CHRT-20430DL

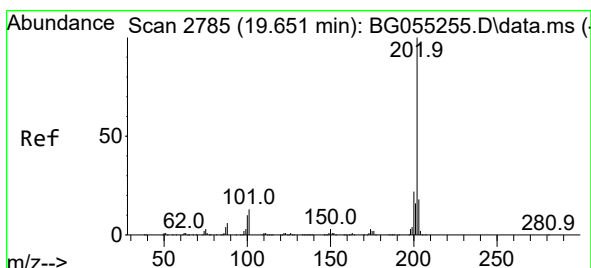
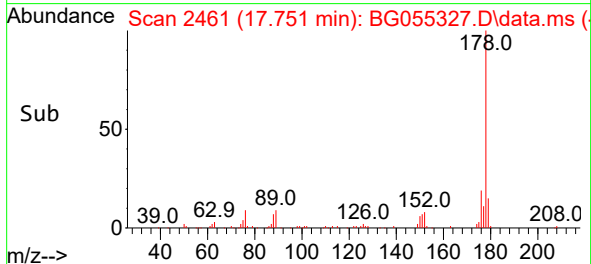
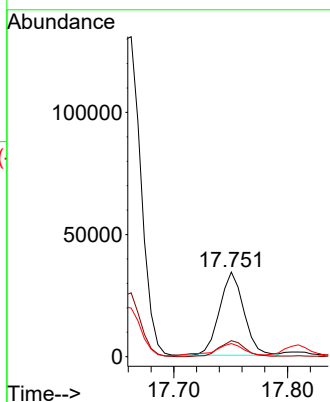
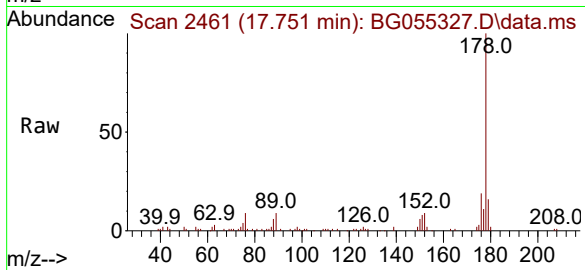
Tgt Ion:178 Resp: 50787

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

179 15.5 12.9 19.3



#75

Fluoranthene

Concen: 35.910 ng

RT: 19.654 min Scan# 2785

Delta R.T. 0.003 min

Lab File: BG055327.D

Acq: 27 Oct 2022 17:17

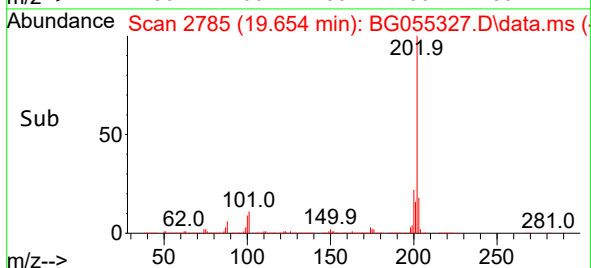
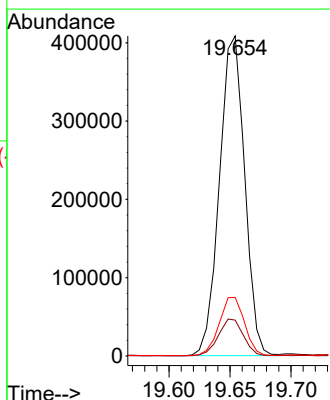
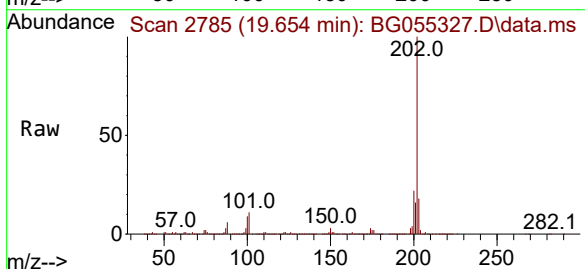
Tgt Ion:202 Resp: 587582

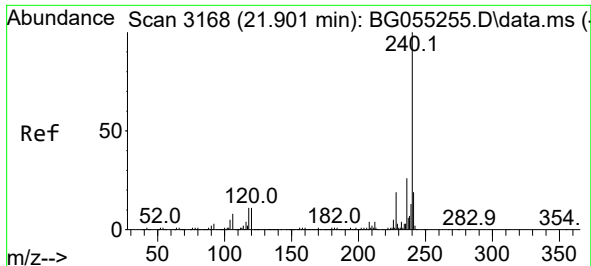
Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.6

203 18.3 0.0 38.3

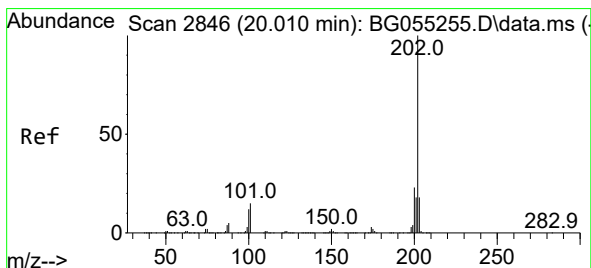
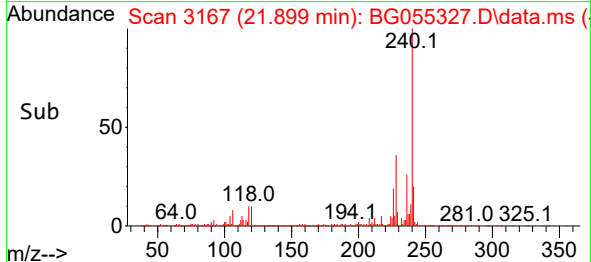
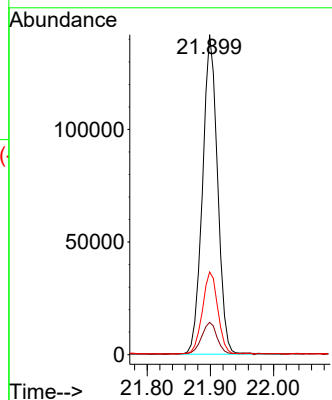
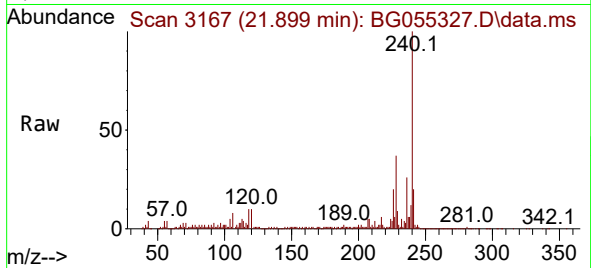




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.899 min Scan# 3168
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

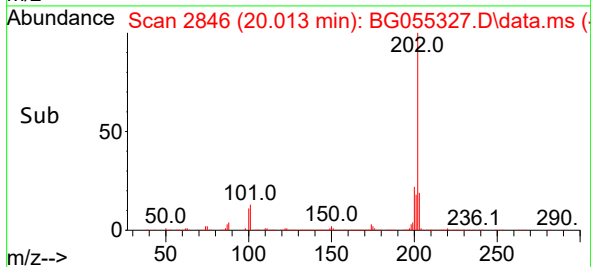
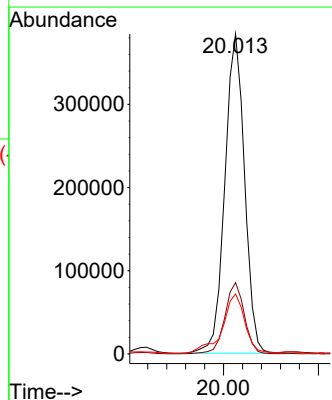
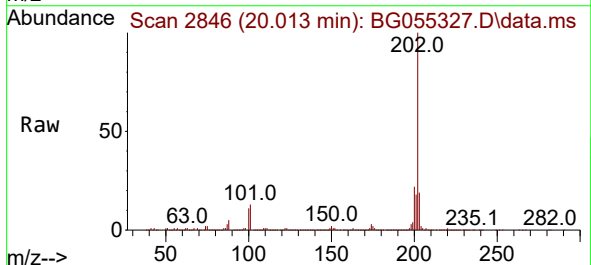
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL

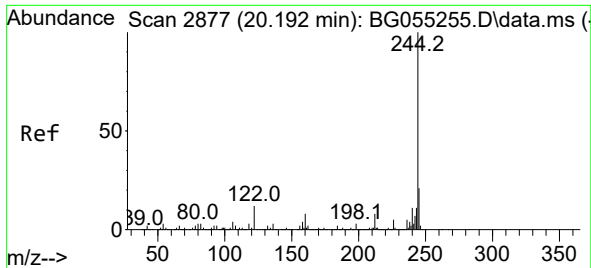
Tgt Ion:240 Resp: 235088
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.9 21.0 31.4



#78
Pyrene
Concen: 34.329 ng
RT: 20.013 min Scan# 2846
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:202 Resp: 553167
Ion Ratio Lower Upper
202 100
200 22.3 18.0 27.0
203 18.8 14.3 21.5

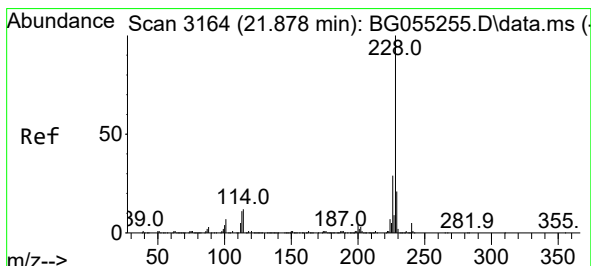
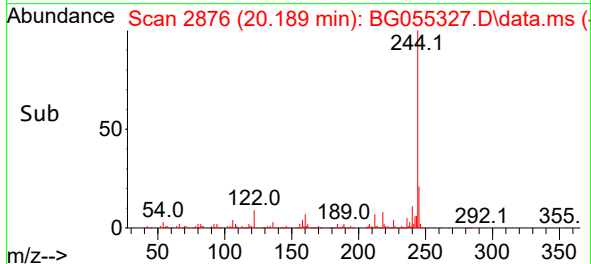
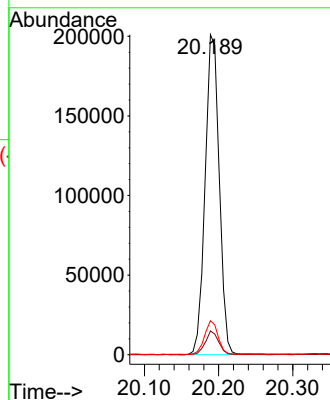
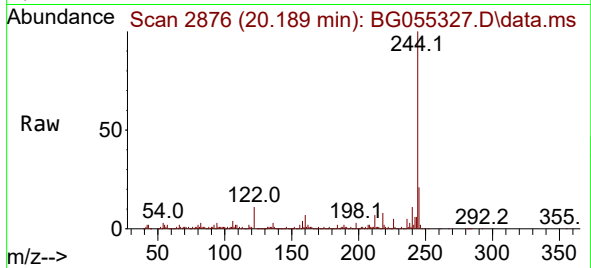




#79
 Terphenyl-d14
 Concen: 23.645 ng
 RT: 20.189 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

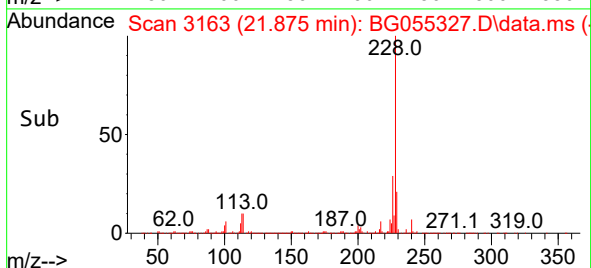
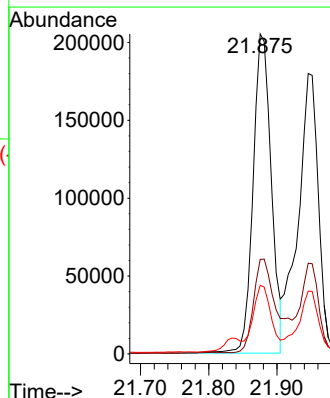
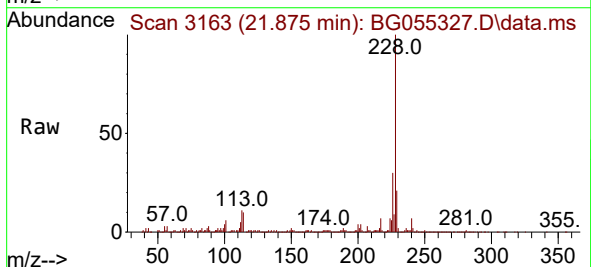
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430DL

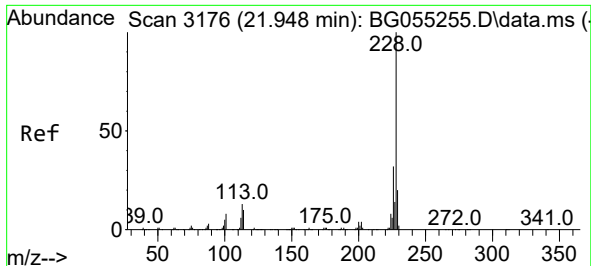
Tgt Ion:244 Resp: 267544
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.6 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 23.928 ng
 RT: 21.875 min Scan# 3163
 Delta R.T. -0.003 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

Tgt Ion:228 Resp: 377750
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.9 34.3
 229 21.5 16.7 25.1

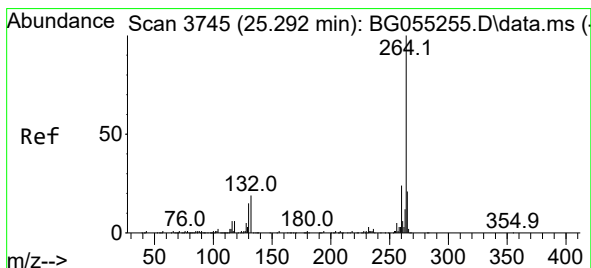
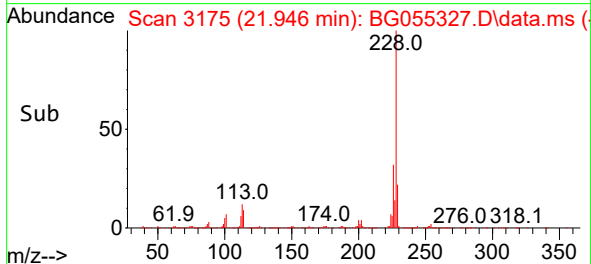
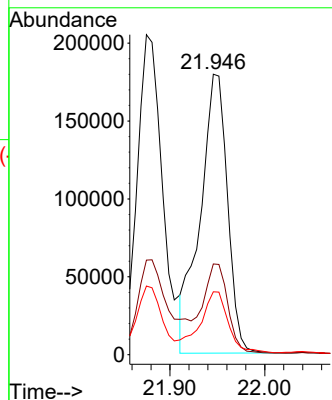
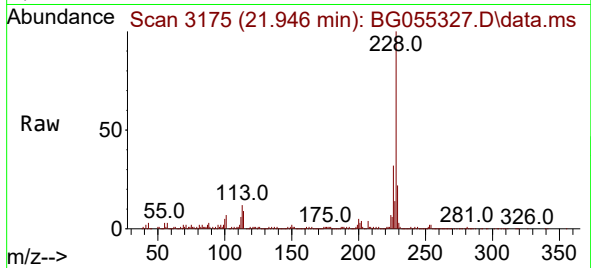




#83
Chrysene
Concen: 23.992 ng
RT: 21.946 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

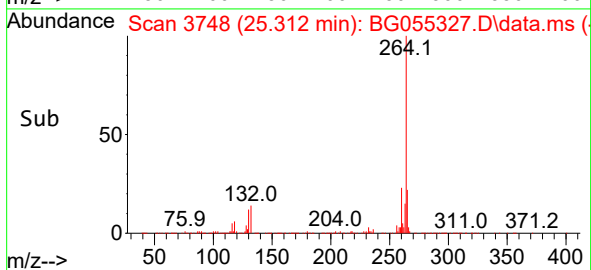
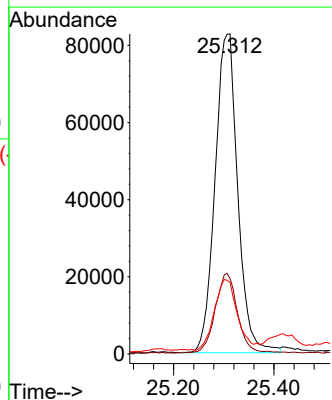
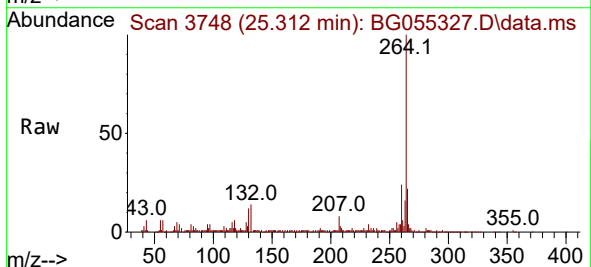
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL

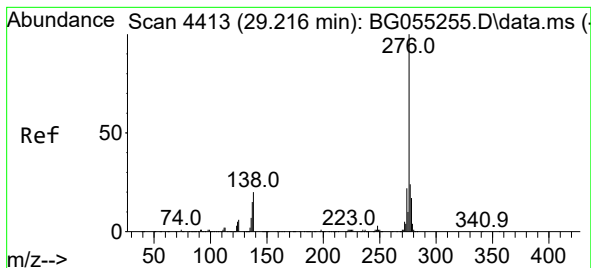
Tgt Ion:228 Resp: 359774
Ion Ratio Lower Upper
228 100
226 32.3 25.8 38.8
229 22.4 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.312 min Scan# 3748
Delta R.T. 0.021 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:264 Resp: 259515
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 22.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.410 ng

RT: 29.225 min Scan# 4413

Delta R.T. 0.009 min

Lab File: BG055327.D

Acq: 27 Oct 2022 17:17

Instrument :

BNA_G

ClientSampleId :

CHRT-20430DL

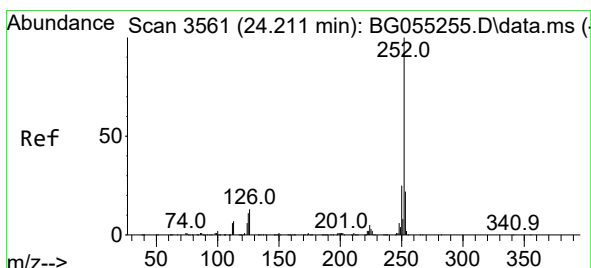
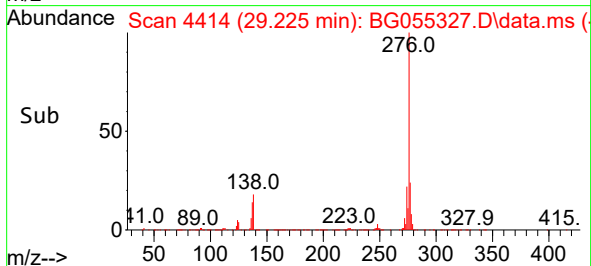
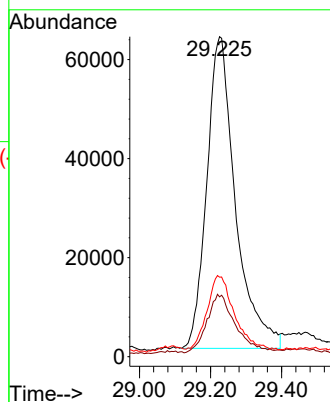
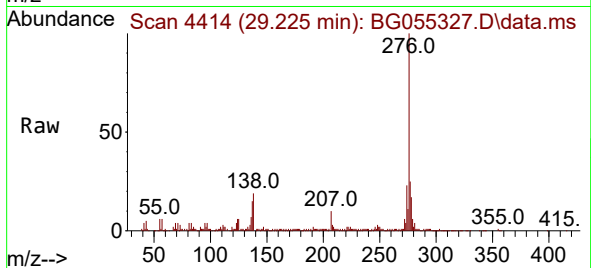
Tgt Ion:276 Resp: 352870

Ion Ratio Lower Upper

276 100

138 18.6 13.9 20.9

277 22.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 41.866 ng

RT: 24.225 min Scan# 3563

Delta R.T. 0.015 min

Lab File: BG055327.D

Acq: 27 Oct 2022 17:17

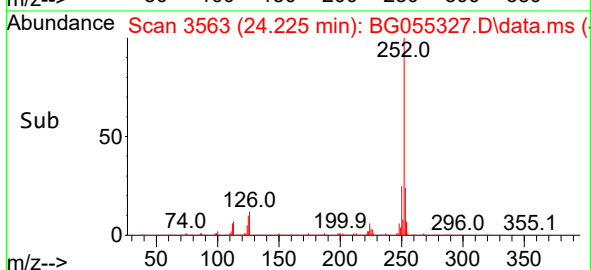
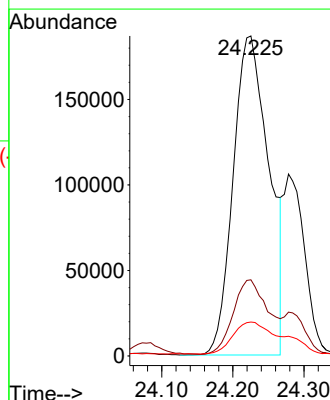
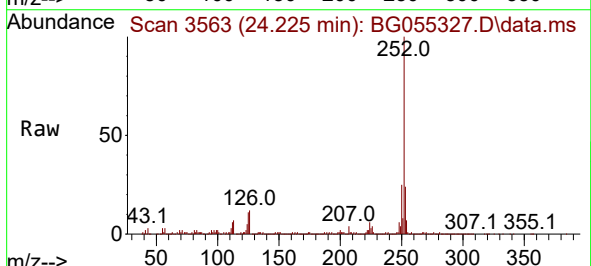
Tgt Ion:252 Resp: 653544

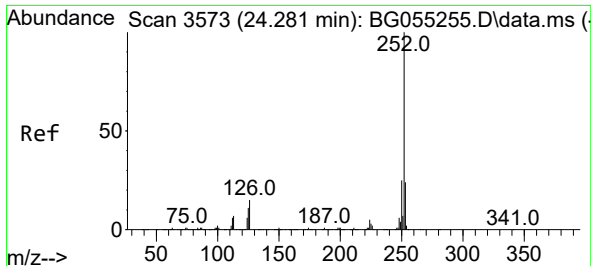
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 10.6 9.0 13.4

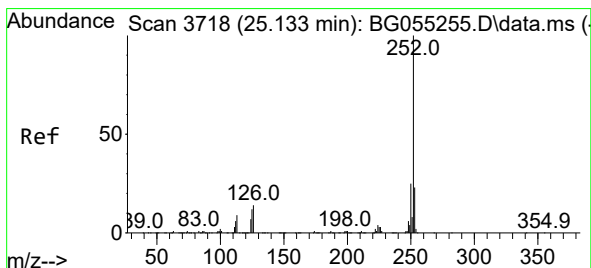
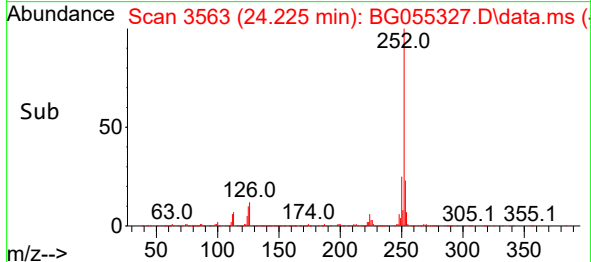
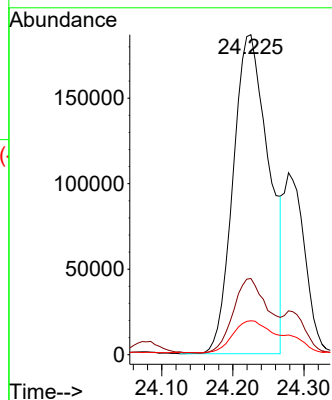
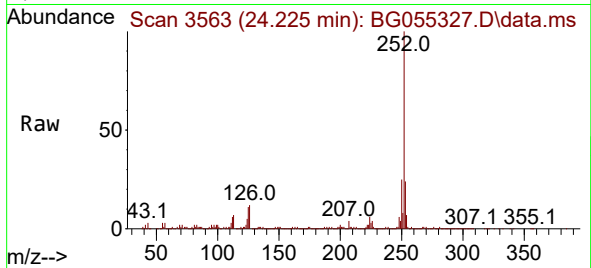




#89
Benzo(k)fluoranthene
Concen: 41.461 ng
RT: 24.225 min Scan# 31
Delta R.T. -0.056 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

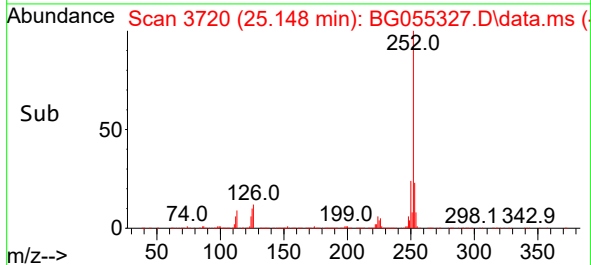
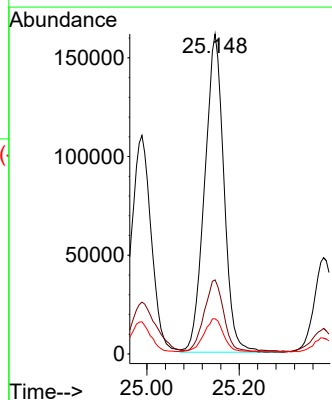
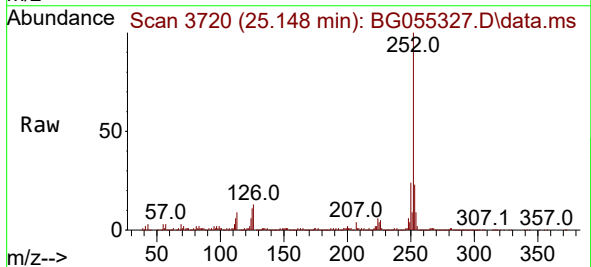
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL

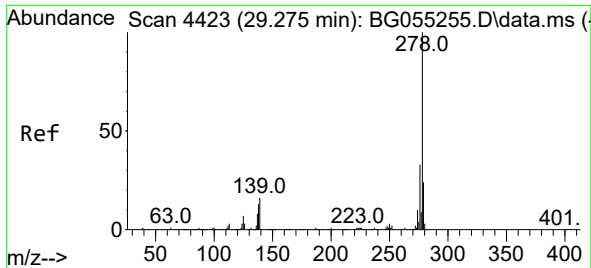
Tgt Ion:252 Resp: 653544
Ion Ratio Lower Upper
252 100
253 23.8 18.6 27.8
125 10.6 9.1 13.7



#90
Benzo(a)pyrene
Concen: 35.066 ng
RT: 25.148 min Scan# 3720
Delta R.T. 0.015 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:252 Resp: 469420
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.0 9.8 14.8

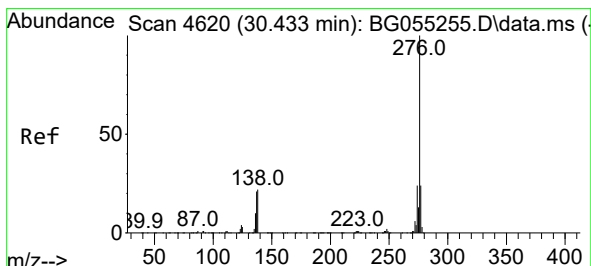
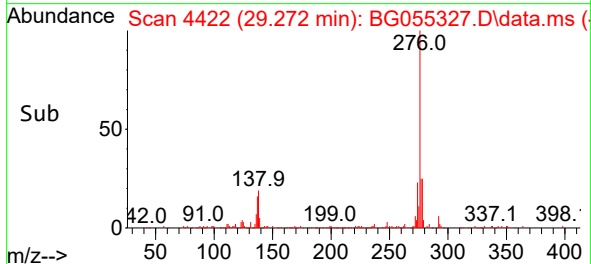
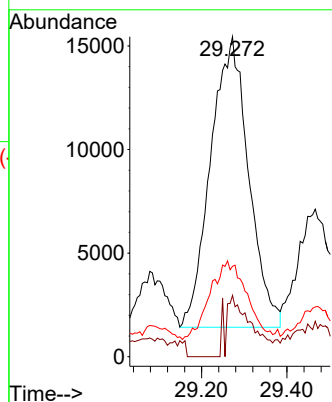
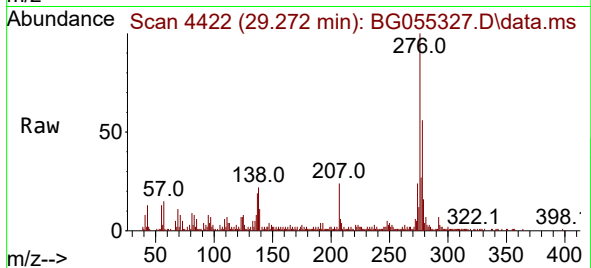




#91
 Dibenzo(a,h)anthracene
 Concen: 5.510 ng
 RT: 29.272 min Scan# 4423
 Delta R.T. -0.003 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430DL

Tgt Ion:278 Resp: 86676
 Ion Ratio Lower Upper
 278 100
 139 19.1 12.9 19.3
 279 28.3 19.0 28.6



#92
 Benzo(g,h,i)perylene
 Concen: 22.592 ng
 RT: 30.459 min Scan# 4624
 Delta R.T. 0.027 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

Tgt Ion:276 Resp: 352468
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.1 28.7
 138 19.3 17.2 25.8

