

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102921\
 Data File : BG050784.D
 Acq On : 29 Oct 2021 19:22
 Operator : CG/JU
 Sample : M4406-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20310

Quant Time: Oct 30 01:38:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

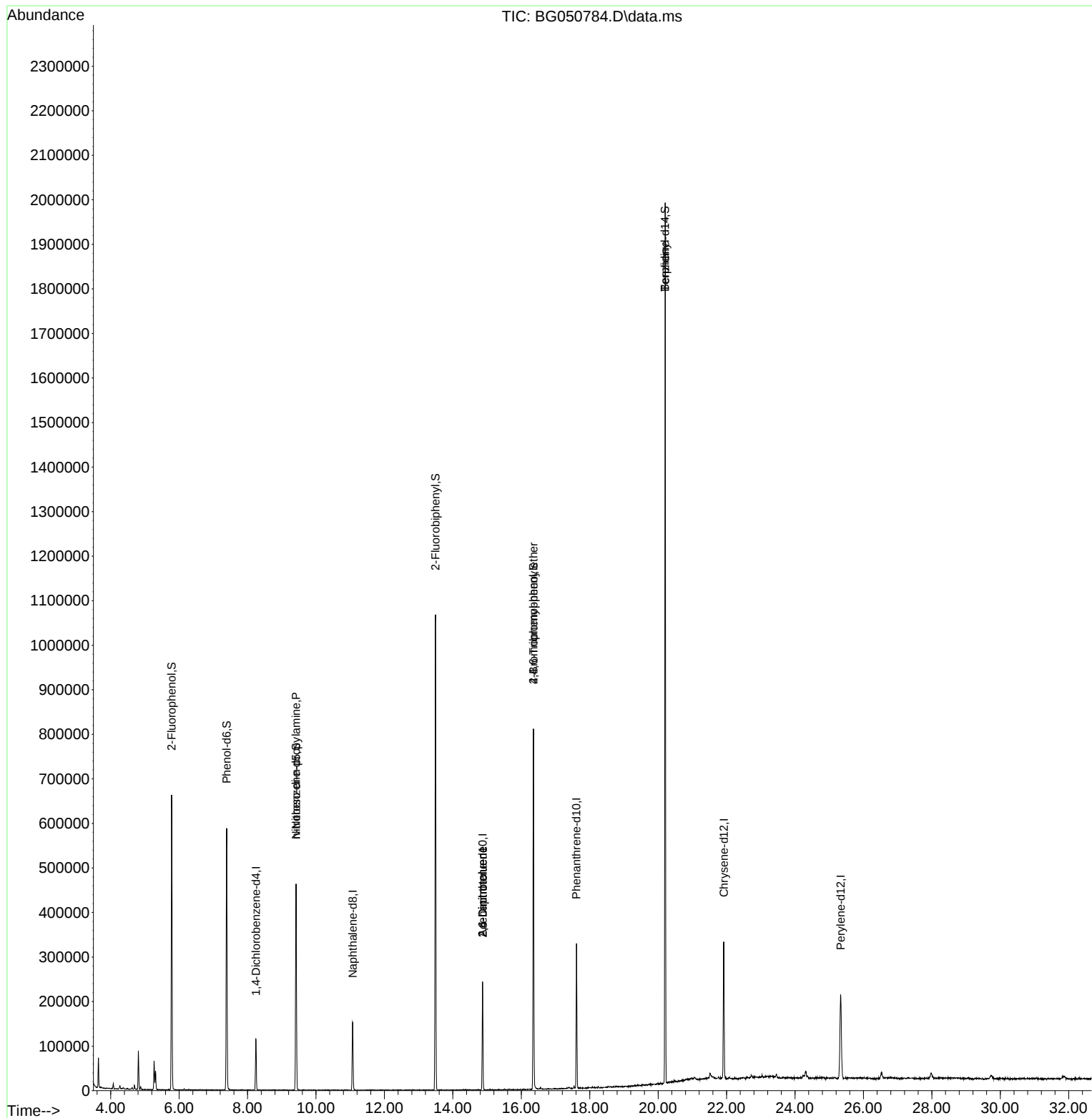
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.247	152	31482	20.000	ng	-0.01
21) Naphthalene-d8	11.073	136	130567	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	83859	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	192997	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	185918	20.000	ng	# 0.00
86) Perylene-d12	25.333	264	184729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.779	112	278222	132.168	ng	-0.01
7) Phenol-d6	7.389	99	335766	110.168	ng	-0.01
23) Nitrobenzene-d5	9.416	82	297401	94.290	ng	-0.01
42) 2,4,6-Tribromophenol	16.355	330	120199	150.274	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	544333	97.692	ng	-0.01
79) Terphenyl-d14	20.204	244	910817	95.473	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.389	77	756	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.416	70	42730	19.235	ng	# 70
51) 2,6-Dinitrotoluene	14.869	165	11097	8.741	ng	# 10
57) 2,4-Dinitrotoluene	14.869	165	11097	6.201	ng	# 15
67) 4-Bromophenyl-phenylether	16.355	248	9923	5.102	ng	# 1
77) Benzidine	20.204	184	17614	2.923	ng	# 93

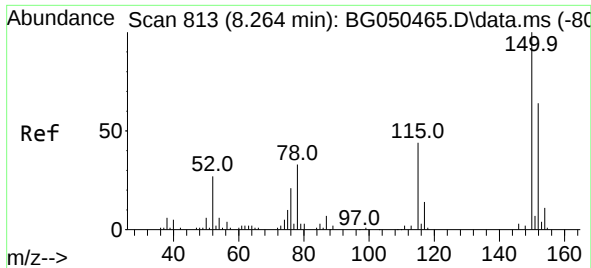
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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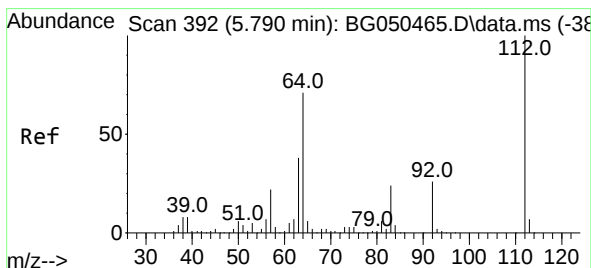
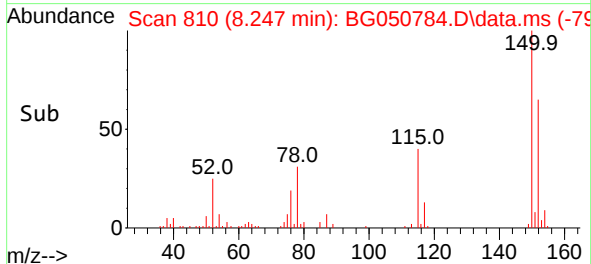
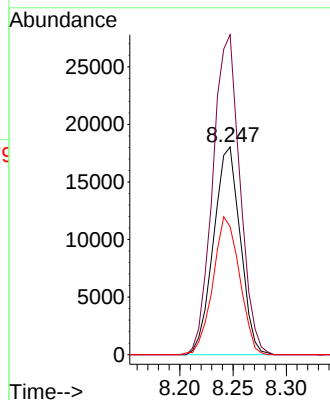
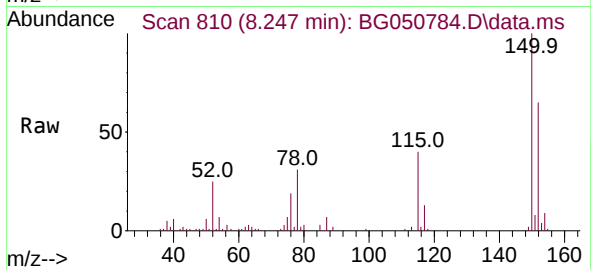




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.247 min Scan# 810
Delta R.T. -0.011 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

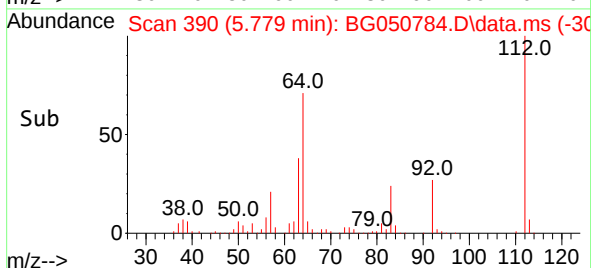
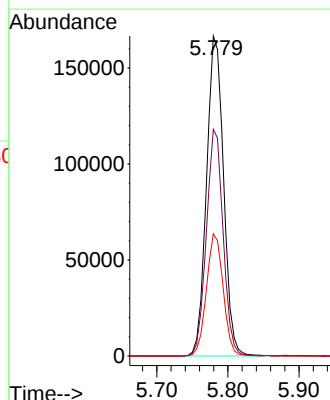
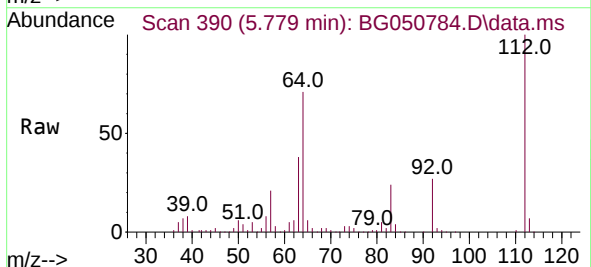
Instrument :
BNA_G
ClientSampleId :
CHRT-20310

Tgt Ion:152 Resp: 31482
Ion Ratio Lower Upper
152 100
150 154.1 119.4 179.0
115 61.7 60.2 90.4



#5
2-Fluorophenol
Concen: 132.168 ng
RT: 5.779 min Scan# 390
Delta R.T. -0.011 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion:112 Resp: 278222
Ion Ratio Lower Upper
112 100
64 70.9 46.7 70.1#
63 38.2 35.3 52.9

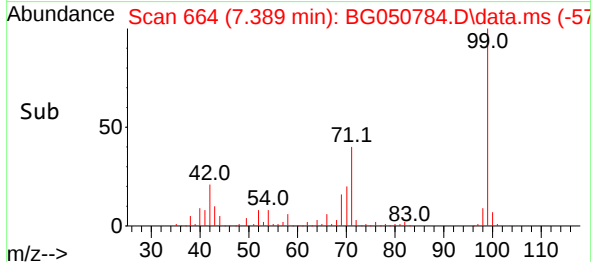
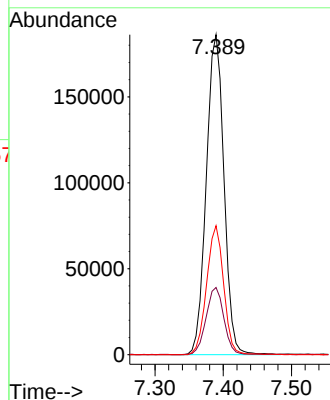
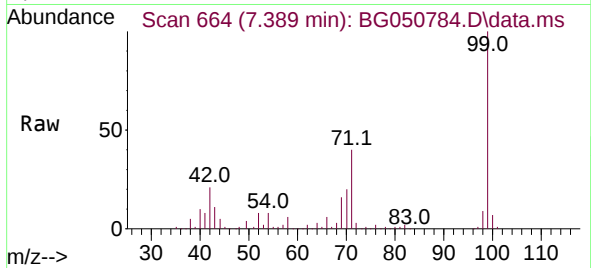




#7
Phenol-d6
Concen: 110.168 ng
RT: 7.389 min Scan# 664
Delta R.T. -0.011 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

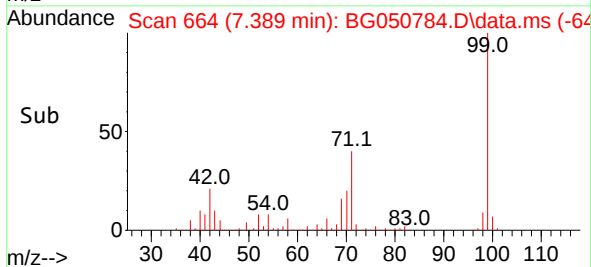
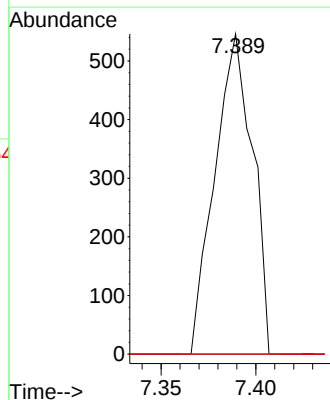
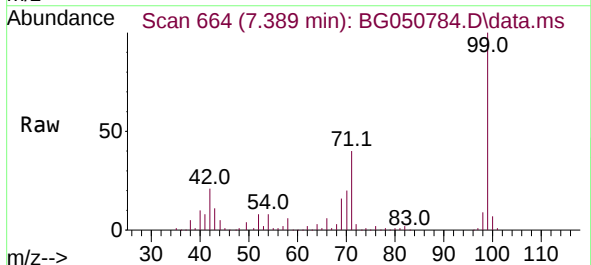
Instrument :
BNA_G
ClientSampleId :
CHRT-20310

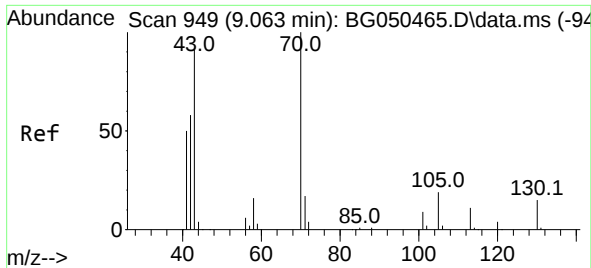
Tgt Ion: 99 Resp: 335766
Ion Ratio Lower Upper
99 100
42 21.0 20.5 30.7
71 40.3 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.389 min Scan# 664
Delta R.T. 0.001 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion: 77 Resp: 756
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

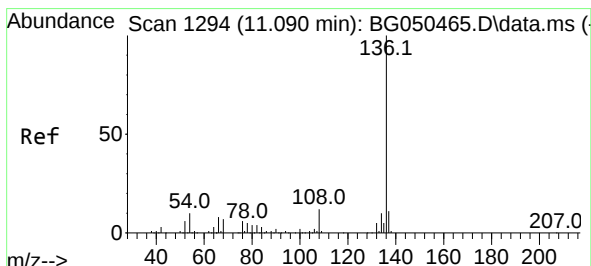
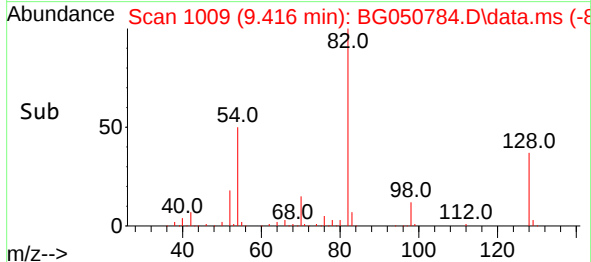
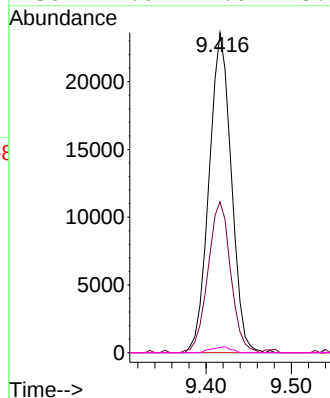
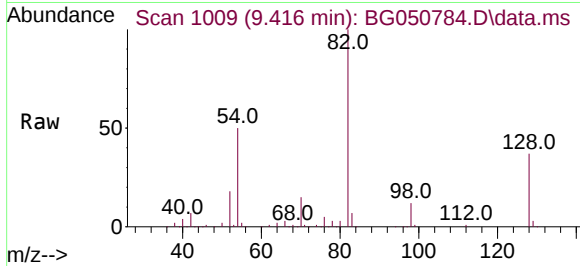




#19
n-Nitroso-di-n-propylamine
Concen: 19.235 ng
RT: 9.416 min Scan# 1009
Delta R.T. 0.359 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

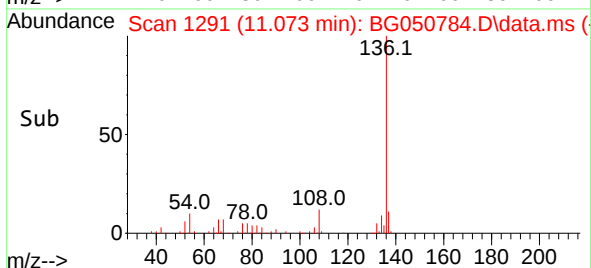
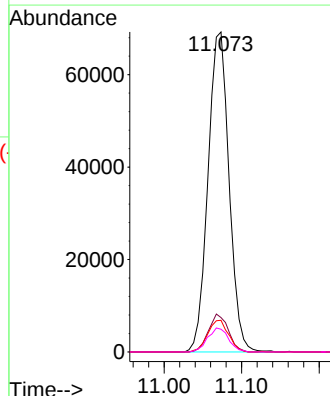
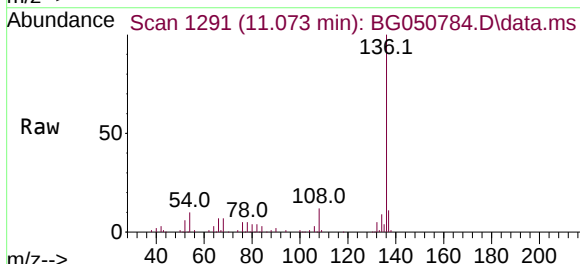
Instrument :
BNA_G
ClientSampleId :
CHRT-20310

Tgt Ion:	70	Resp:	42730
Ion	Ratio	Lower	Upper
70	100		
42	47.1	54.5	81.7#
101	0.0	9.0	13.6#
130	1.6	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.073 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion:	136	Resp:	130567
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.2
54	9.9	5.5	8.3#
68	7.1	2.3	3.5#

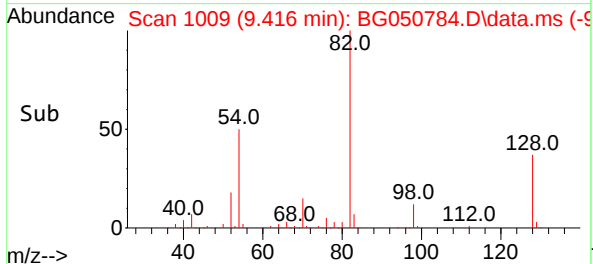
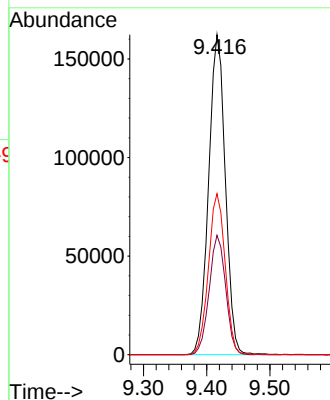
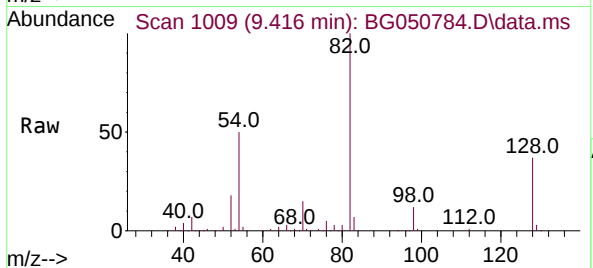




#23
Nitrobenzene-d5
Concen: 94.290 ng
RT: 9.416 min Scan# 1009
Delta R.T. -0.011 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

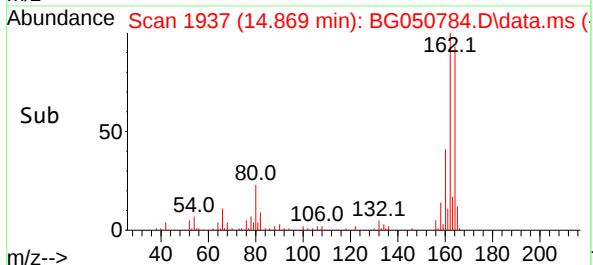
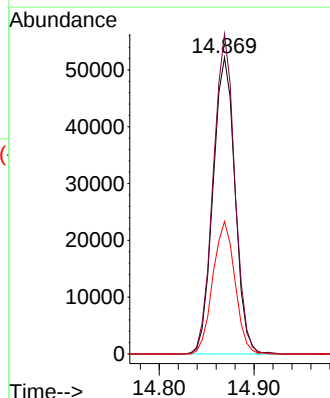
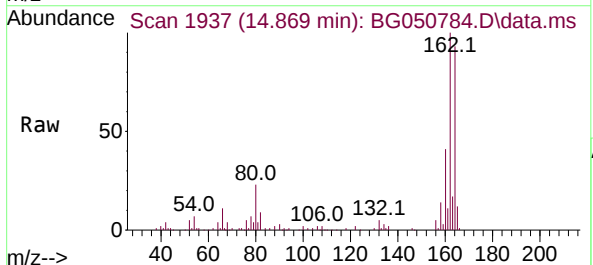
Instrument :
BNA_G
ClientSampleId :
CHRT-20310

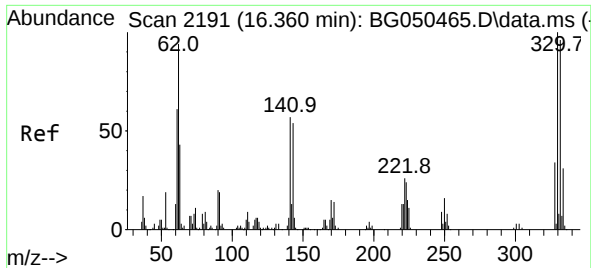
Tgt Ion: 82 Resp: 297401
Ion Ratio Lower Upper
82 100
128 37.3 29.8 44.6
54 50.3 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion:164 Resp: 83859
Ion Ratio Lower Upper
164 100
162 107.9 81.4 122.0
160 44.7 34.9 52.3

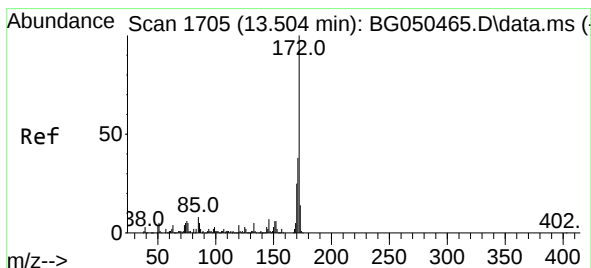
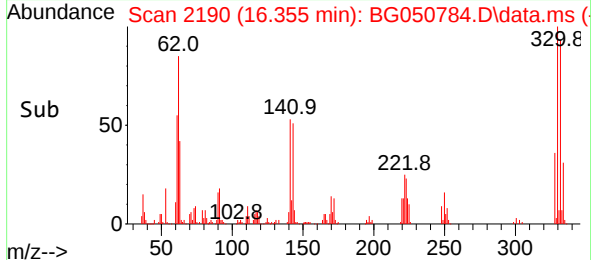
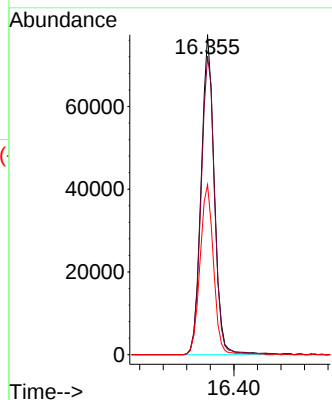
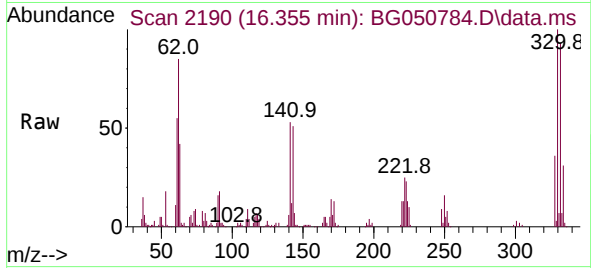




#42
2,4,6-Tribromophenol
Concen: 150.274 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

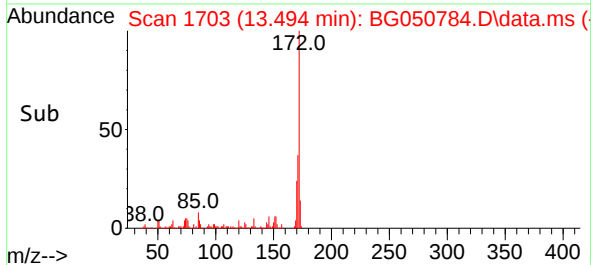
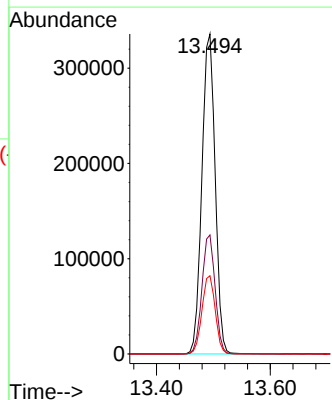
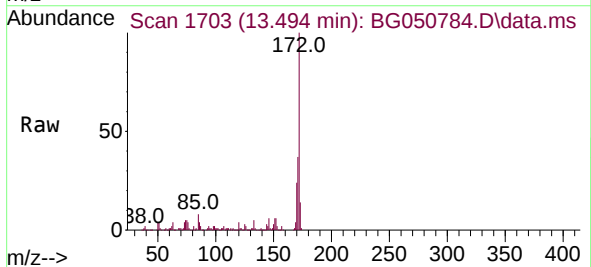
Instrument :
BNA_G
ClientSampleId :
CHRT-20310

Tgt Ion:330 Resp: 120199
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 54.3 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 97.692 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion:172 Resp: 544333
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 24.4 18.6 27.8

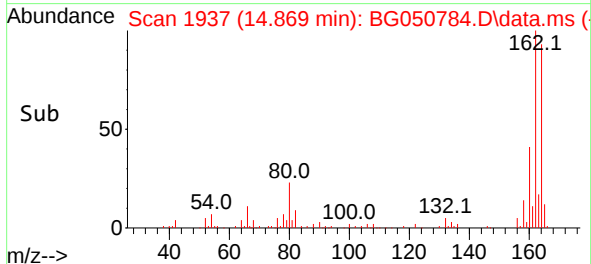
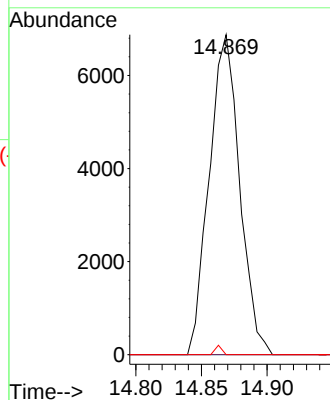
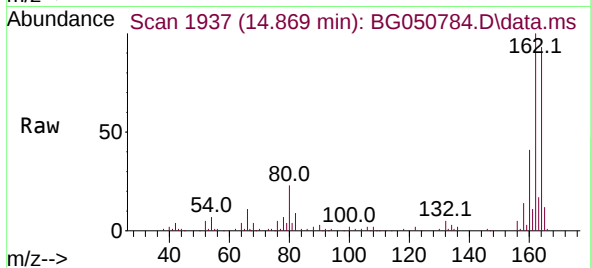




#51
2,6-Dinitrotoluene
Concen: 8.741 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

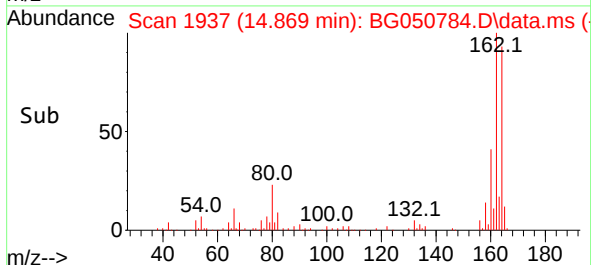
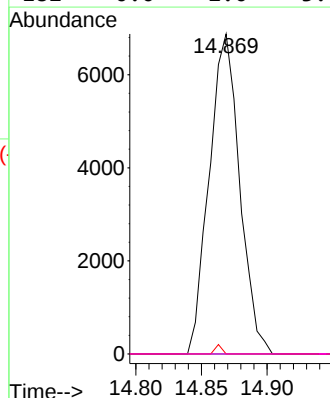
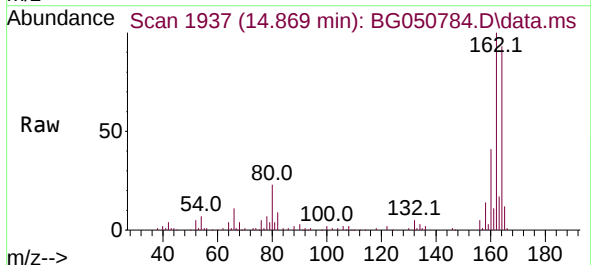
Instrument :
BNA_G
ClientSampleId :
CHRT-20310

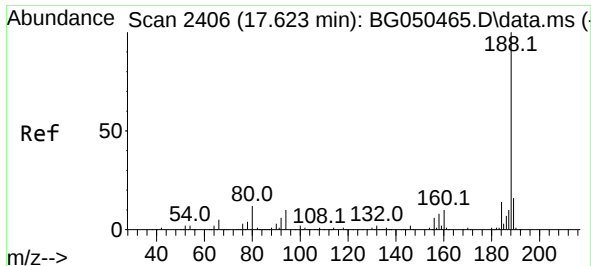
Tgt Ion:165 Resp: 11097
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.201 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

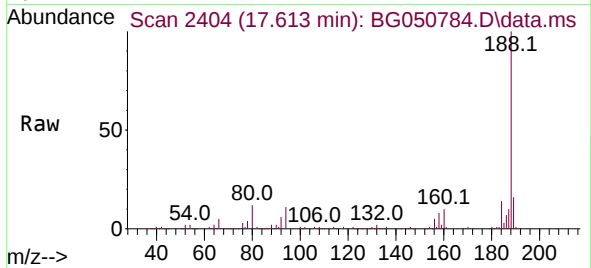
Tgt Ion:165 Resp: 11097
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



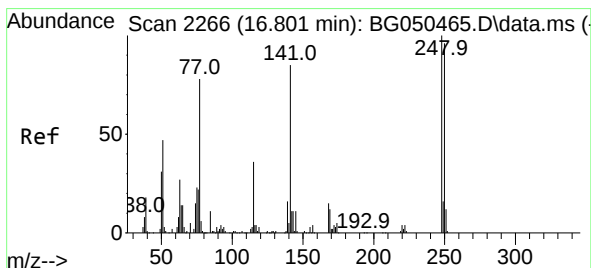
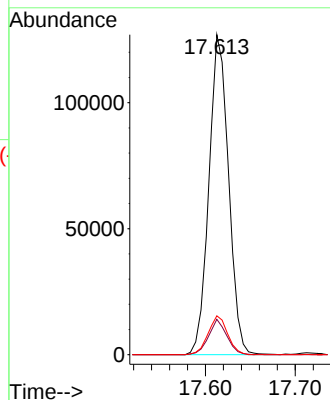
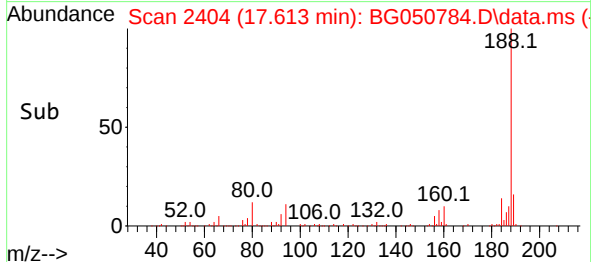


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

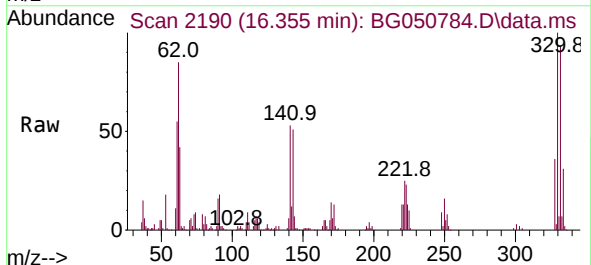
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BNA_G
ClientSampleId :
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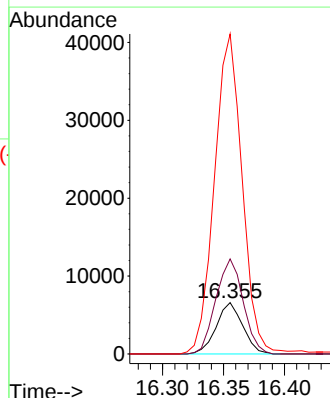
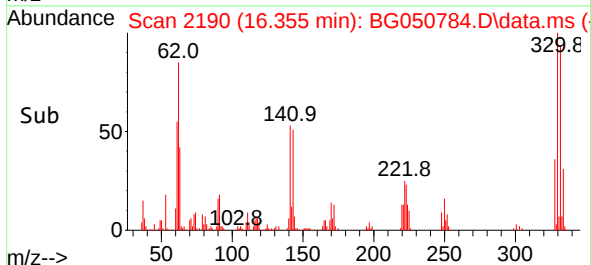
Tgt Ion:188 Resp: 192997
Ion Ratio Lower Upper
188 100
94 11.0 5.4 8.0#
80 12.1 3.7 5.5#

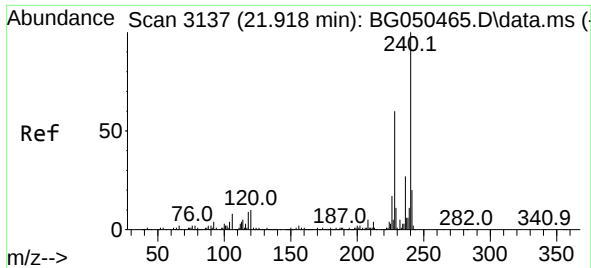


#67
4-Bromophenyl-phenylether
Concen: 5.102 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22



Tgt Ion:248 Resp: 9923
Ion Ratio Lower Upper
248 100
250 185.2 76.1 114.1#
141 624.0 65.4 98.2#

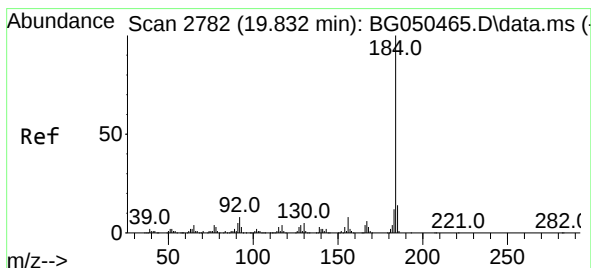
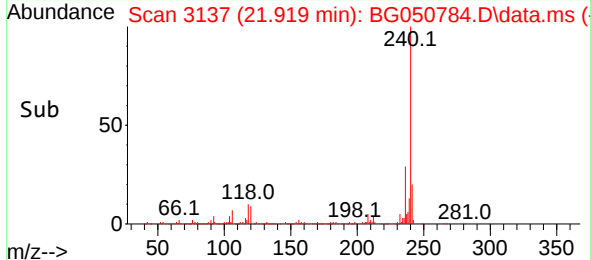
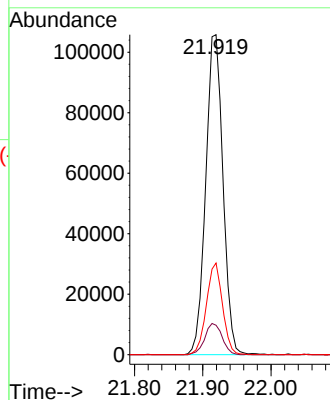
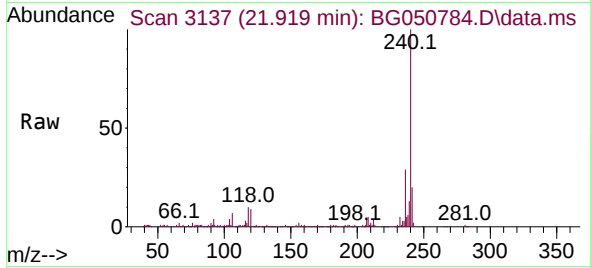




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. -0.005 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

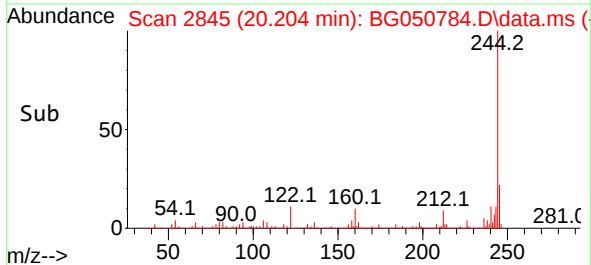
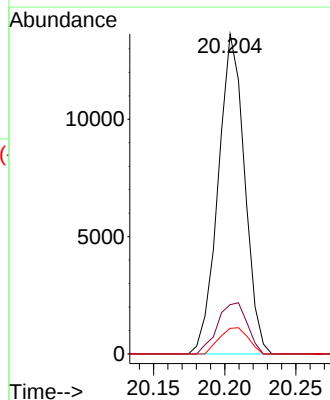
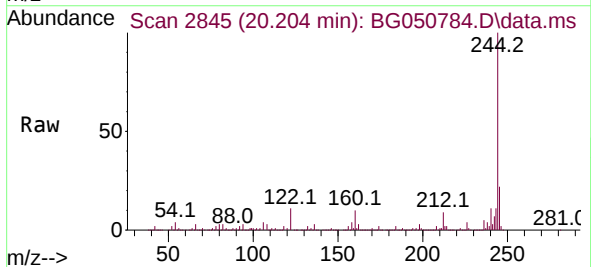
Instrument :
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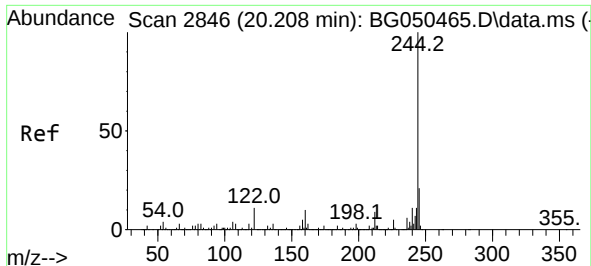
Tgt Ion:240 Resp: 185918
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 28.6 21.8 32.6



#77
Benzidine
Concen: 2.923 ng
RT: 20.204 min Scan# 2845
Delta R.T. 0.371 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion:184 Resp: 17614
Ion Ratio Lower Upper
184 100
185 15.4 10.7 16.1
183 8.0 9.4 14.0#

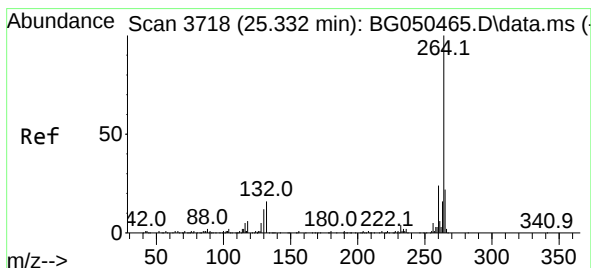
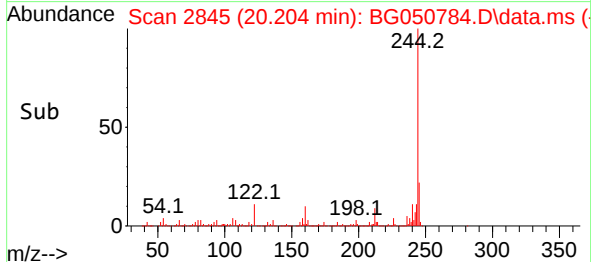
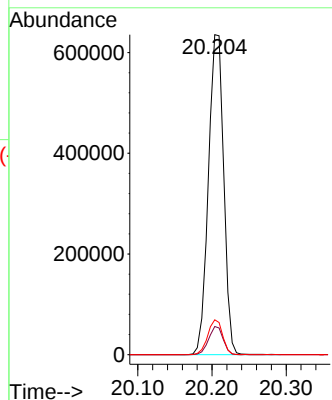
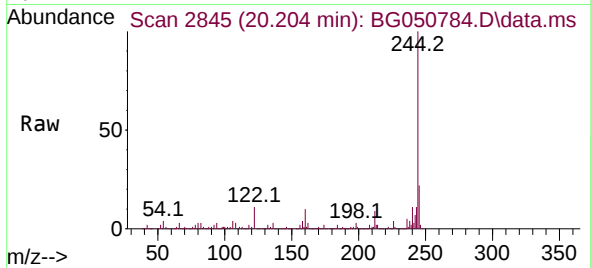




#79
Terphenyl-d14
Concen: 95.473 ng
RT: 20.204 min Scan# 2845
Delta R.T. -0.005 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Instrument :
BNA_G
ClientSampleId :
CHRT-20310

Tgt Ion:244 Resp: 910817
Ion Ratio Lower Upper
244 100
212 8.8 6.9 10.3
122 10.9 5.0 7.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 3718
Delta R.T. 0.001 min
Lab File: BG050784.D
Acq: 29 Oct 2021 19:22

Tgt Ion:264 Resp: 184729
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 21.9 16.9 25.3

