

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045088.D
 Acq On : 19 Apr 2020 5:00
 Operator : CG/JU
 Sample : L2298-02
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Apr 20 05:33:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

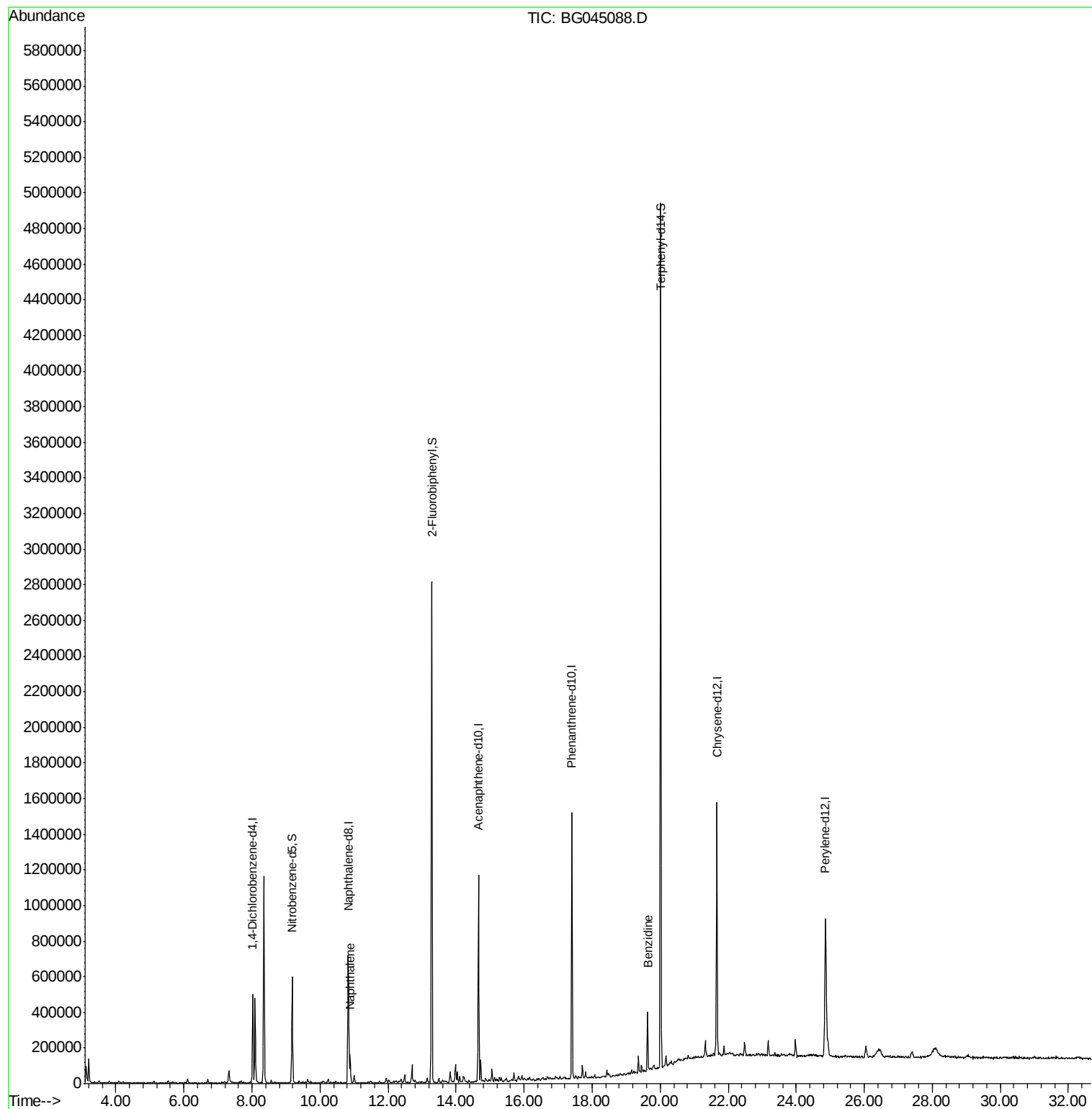
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	147119	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	638447	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	444478	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	949536	20.00	ng	0.00
76) Chrysene-d12	21.67	240	882507	20.00	ng	0.00
87) Perylene-d12	24.86	264	954944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	2401	0.27	ng	0.02
7) Phenol-d6	7.20	99	4492	0.34	ng	0.02
23) Nitrobenzene-d5	9.18	82	406358	29.04	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	2475	0.36	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1582095	52.19	ng	0.00
79) Terphenyl-d14	20.02	244	2231946	55.12	ng	0.00
Target Compounds						
31) Naphthalene	10.88	128	124252	3.558	ng	99
77) Benzidine	19.63	184	212080	2.699	ng	98

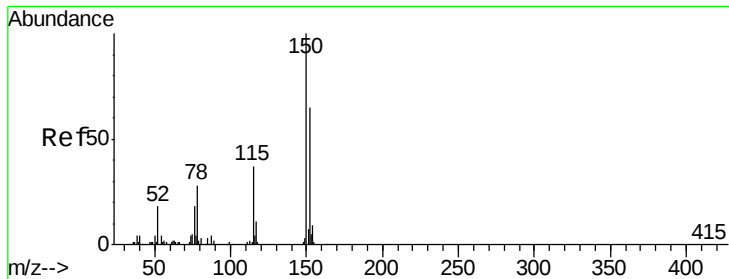
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
Data File : BG045088.D
Acq On : 19 Apr 2020 5:00
Operator : CG/JU
Sample : L2298-02
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Quant Time: Apr 20 05:33:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 17 11:08:29 2020
Response via : Initial Calibration

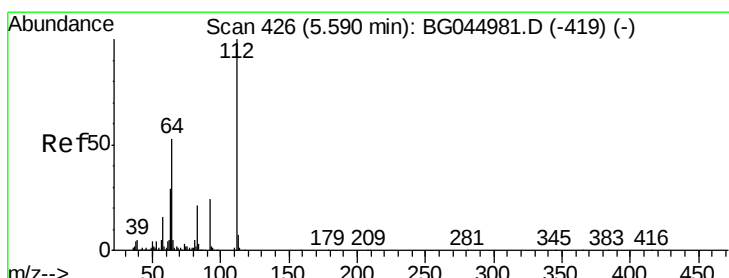
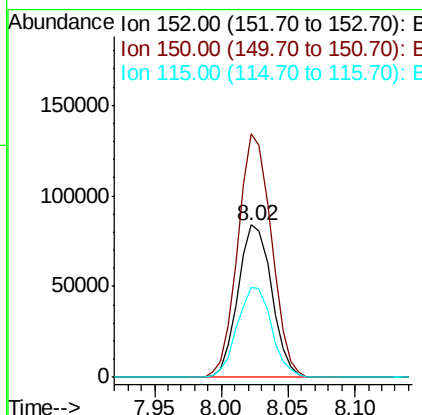
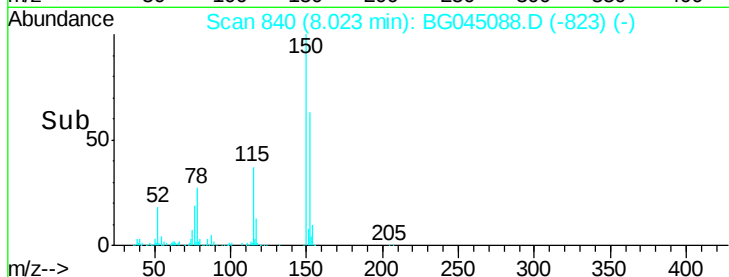
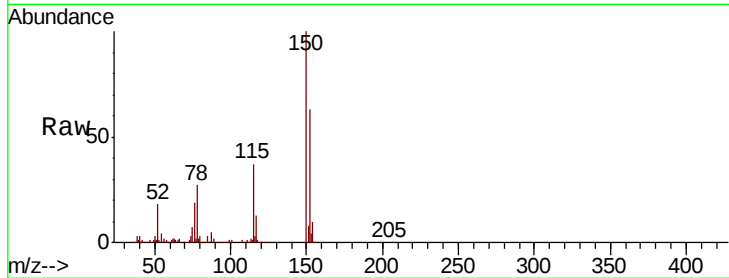




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045088.D
 Acq: 19 Apr 2020 5:00

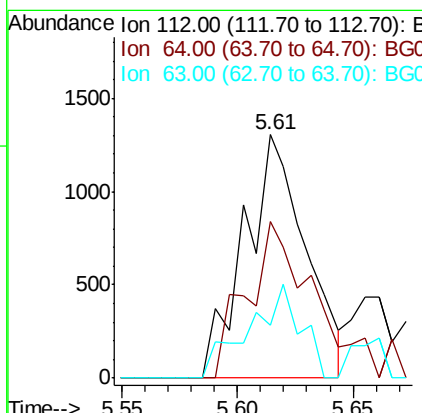
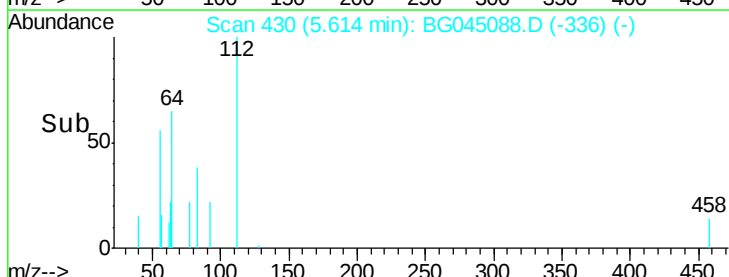
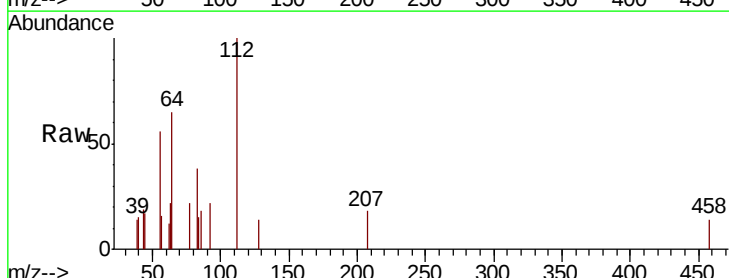
Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tot Ion:	152	Resp:	147119
Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.6	185.4
115	59.1	49.1	73.7



#5
 2-Fluorophenol
 Concen: 0.269 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.02 min
 Lab File: BG045088.D
 Acq: 19 Apr 2020 5:00

Tgt Ion:	112	Resp:	2401
Ion	Ratio	Lower	Upper
112	100		
64	64.5	42.4	63.6#
63	21.5	23.1	34.7#





#7

Phenol-d6

Concen: 0.339 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.02 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

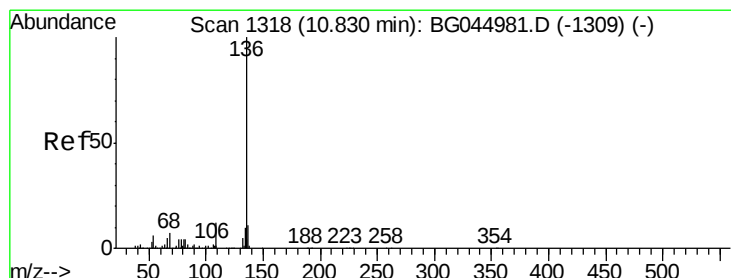
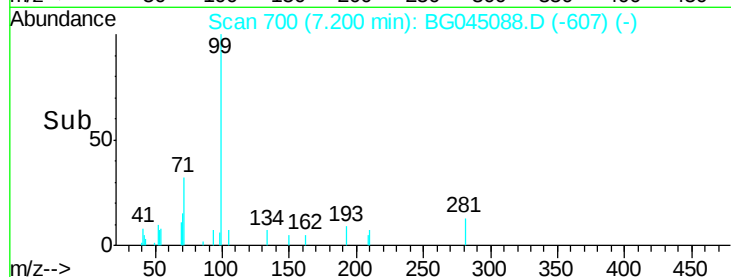
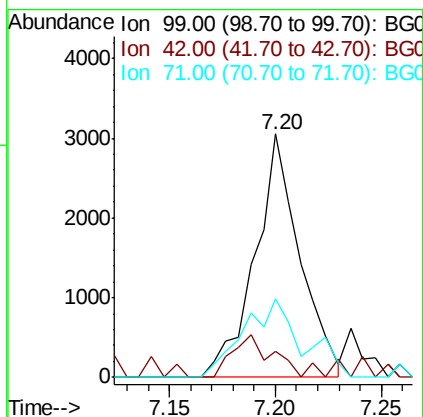
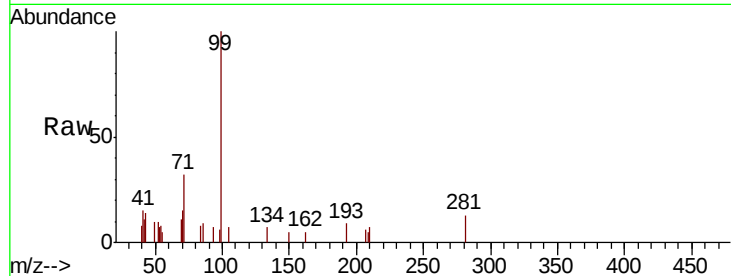
Tot Ion: 99 Resp: 4492

Ion Ratio Lower Upper

99 100

42 10.7 11.3 16.9#

71 32.0 28.3 42.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Tgt Ion: 136 Resp: 638447

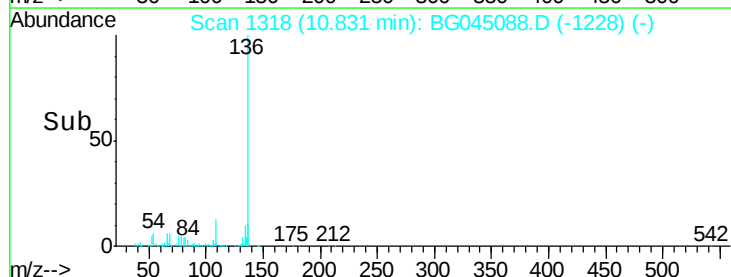
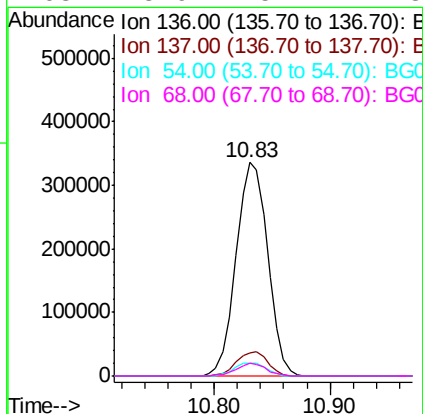
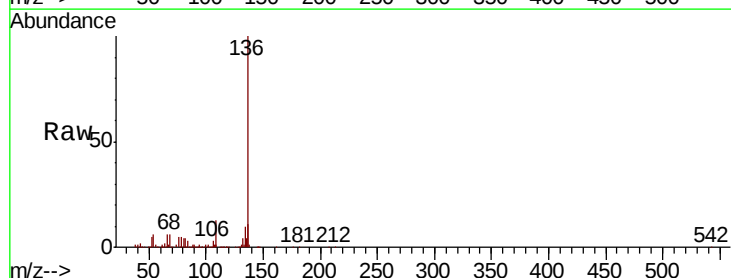
Ion Ratio Lower Upper

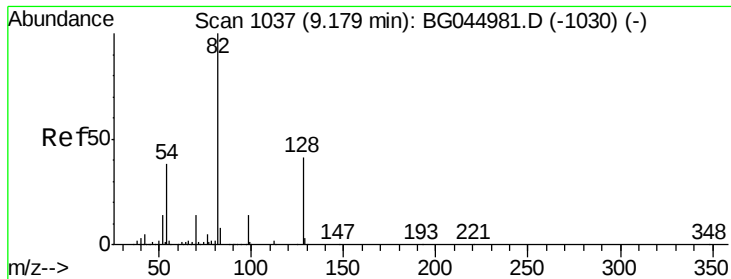
136 100

137 10.7 8.6 13.0

54 6.2 4.8 7.2

68 5.9 5.2 7.8

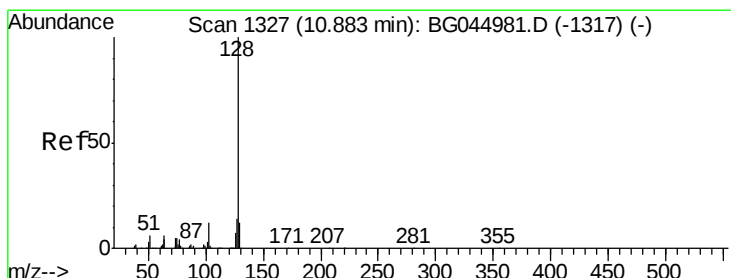
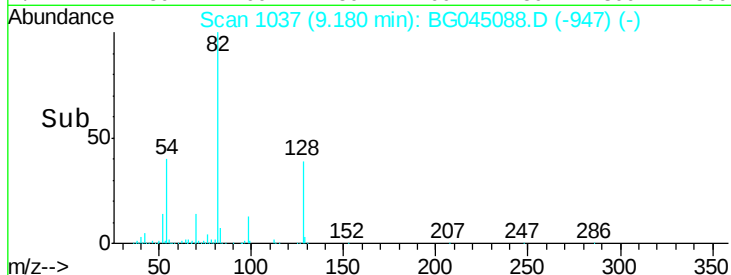
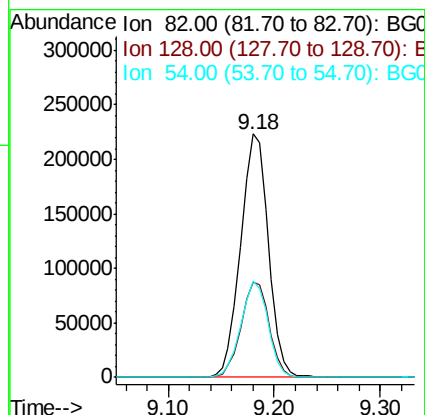
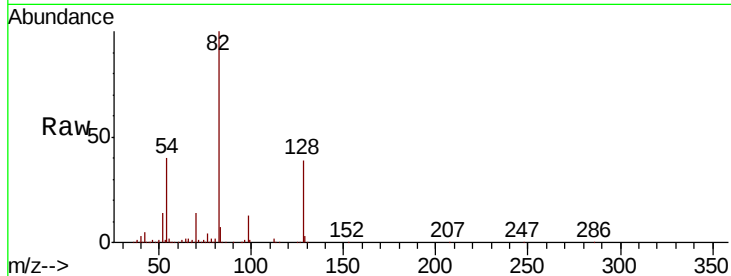




#23
 Nitrobenzene-d5
 Concen: 29.042 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045088.D
 Acq: 19 Apr 2020 5:00

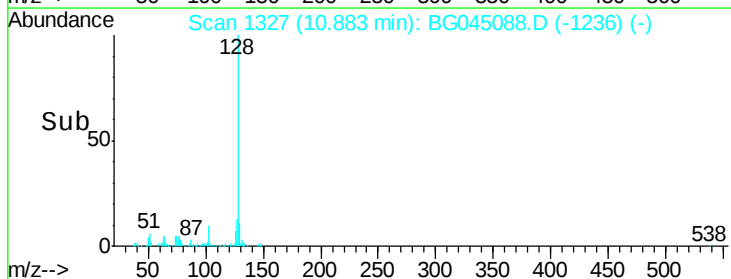
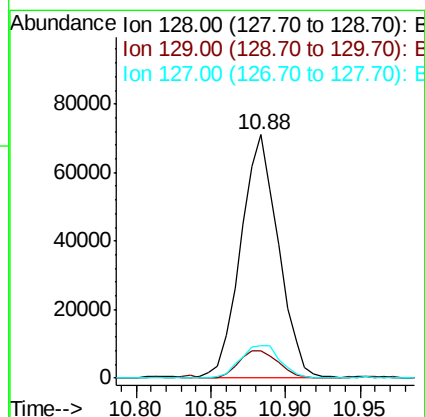
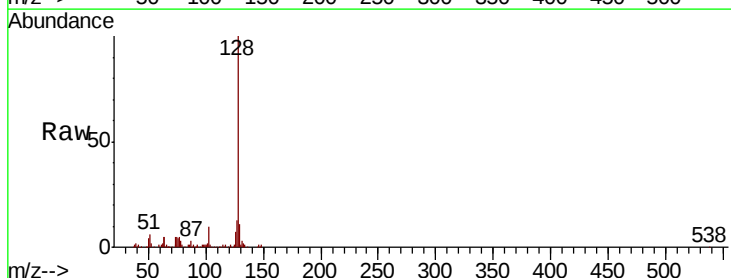
Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

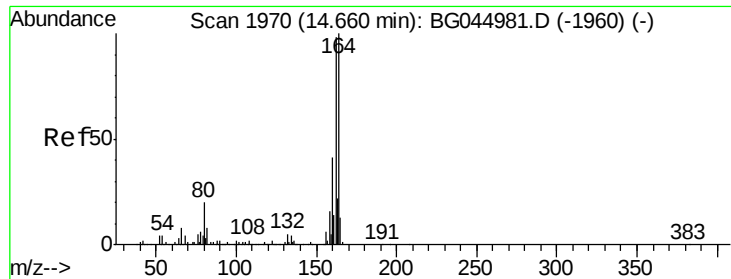
Tot Ion	82	Resp	406358
Ion Ratio	Lower	Upper	
82	100		
128	39.1	33.0	49.4
54	39.8	30.4	45.6



#31
 Naphthalene
 Concen: 3.558 ng
 RT: 10.88 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: BG045088.D
 Acq: 19 Apr 2020 5:00

Tgt Ion	128	Resp	124252
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.4	14.2
127	13.5	10.8	16.2

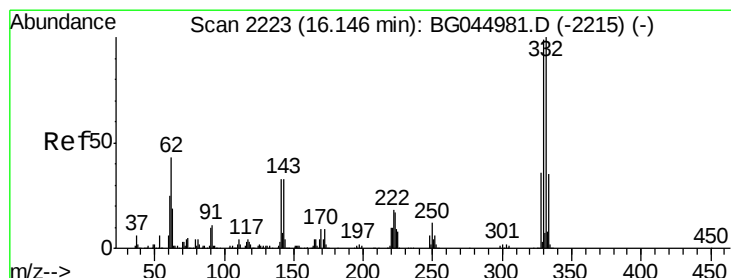
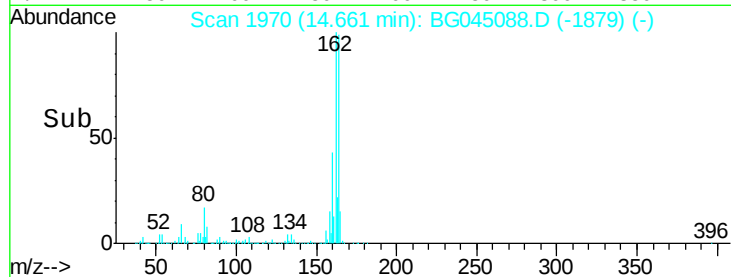
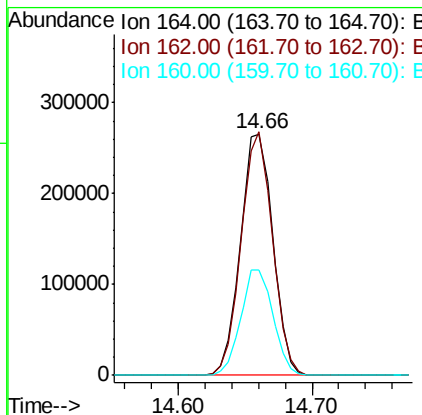
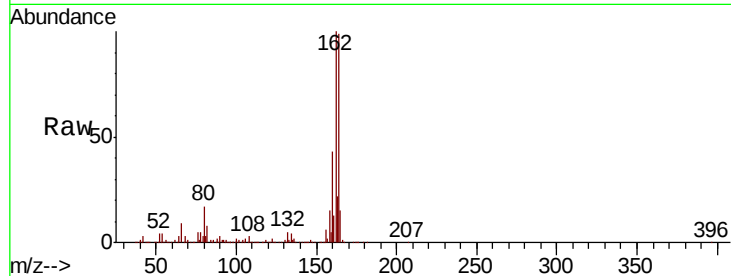




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

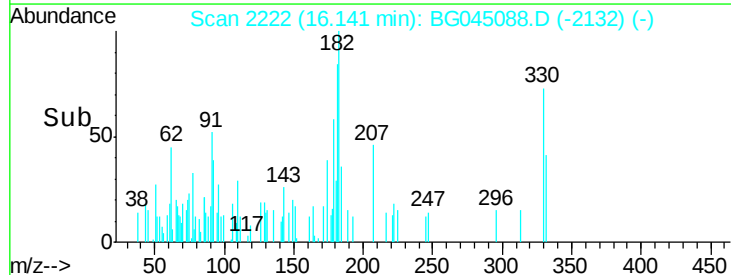
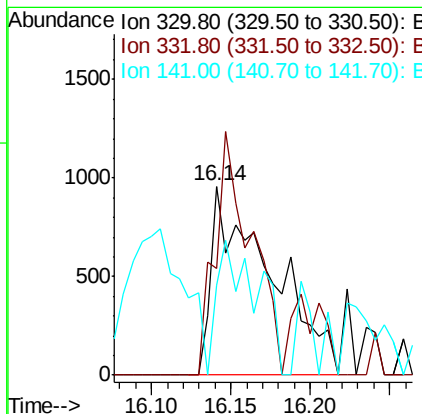
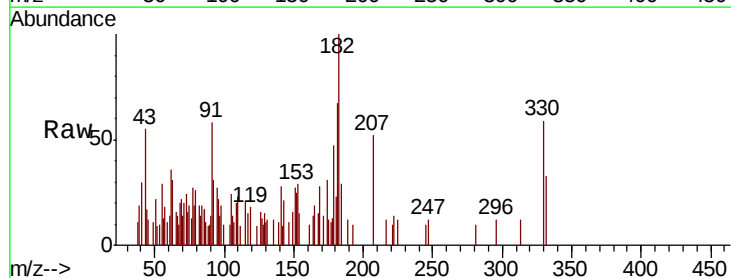
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

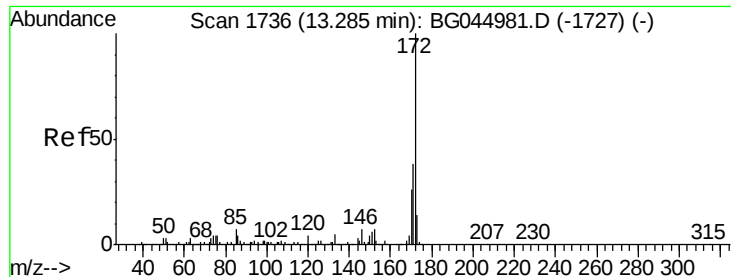
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	78.7	118.1
160	43.6	32.8	49.2



#42
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	79.0	79.1	118.7#
141	49.1	27.1	40.7#

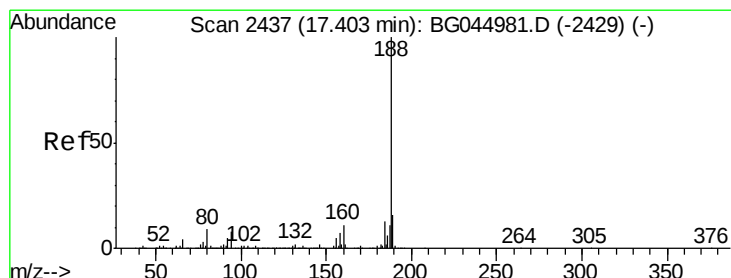
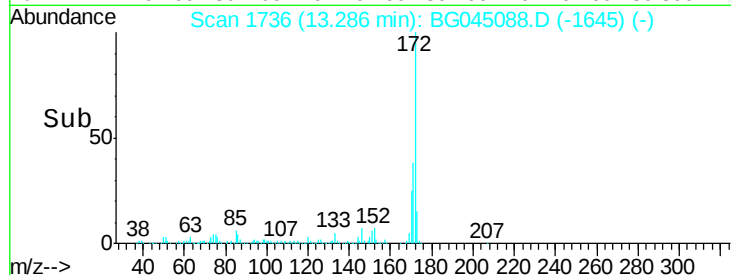
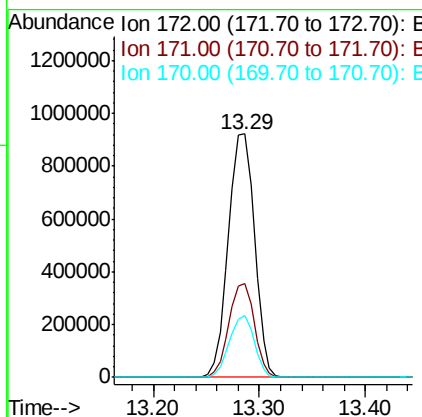
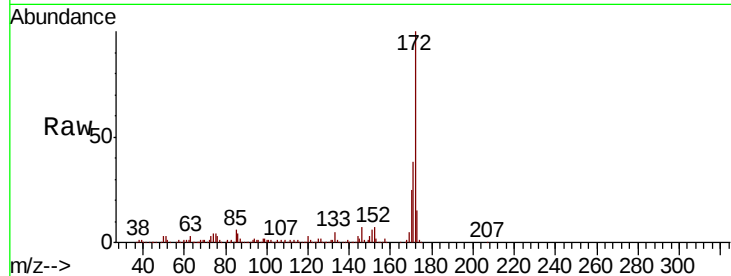




#45
2-Fluorobiphenyl
Concen: 52.193 ng
RT: 13.29 min Scan# 1736
Delta R.T. 0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

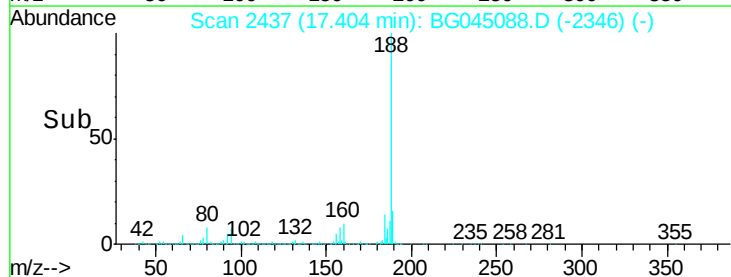
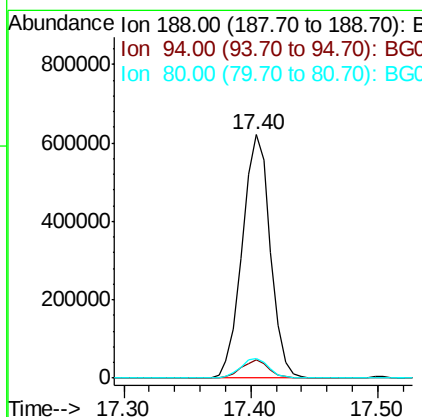
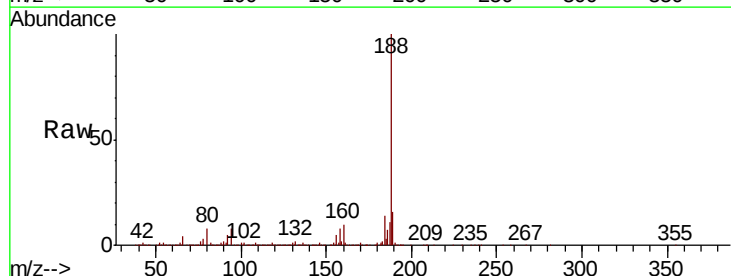
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

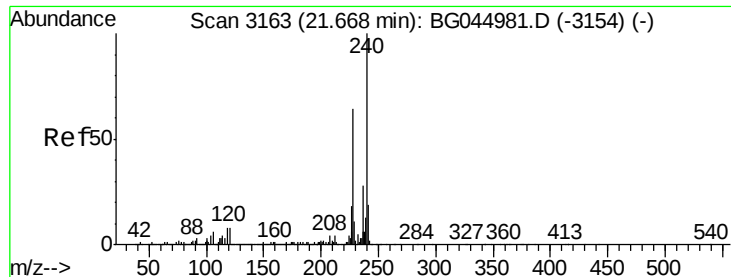
Tot Ion:172 Resp: 1582095
Ion Ratio Lower Upper
172 100
171 38.4 30.6 46.0
170 25.4 20.5 30.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt Ion:188 Resp: 949536
Ion Ratio Lower Upper
188 100
94 7.5 6.2 9.4
80 7.9 7.0 10.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

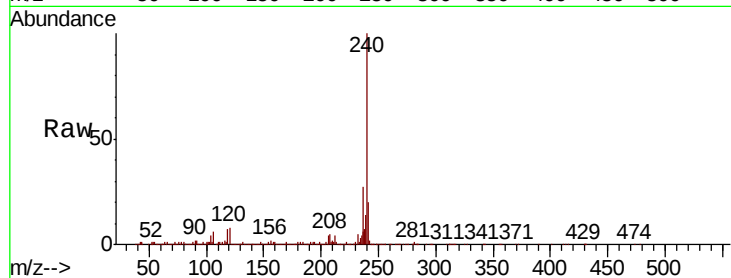
Tot Ion:240 Resp: 882507

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

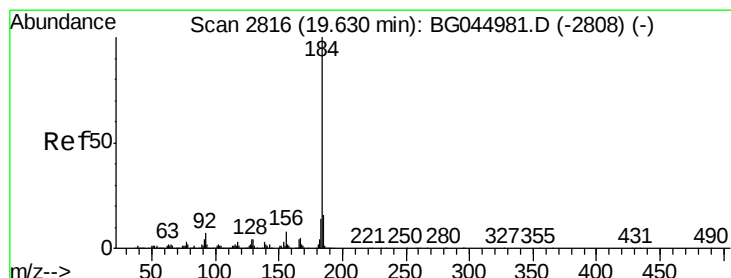
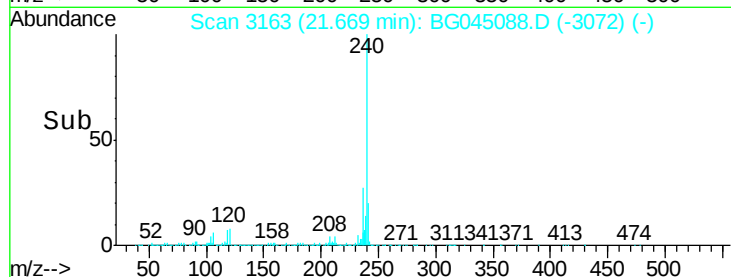
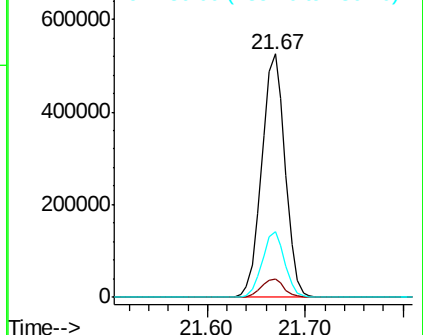
236 27.0 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.699 ng

RT: 19.63 min Scan# 2816

Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

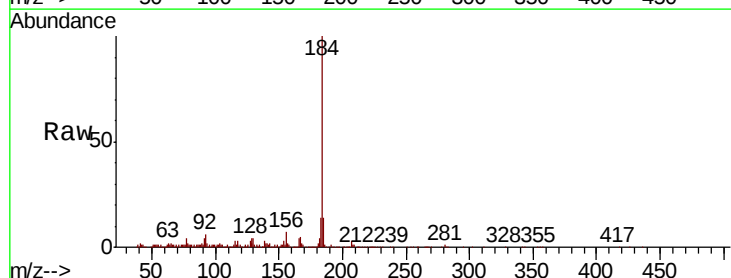
Tgt Ion:184 Resp: 212080

Ion Ratio Lower Upper

184 100

185 14.4 12.6 19.0

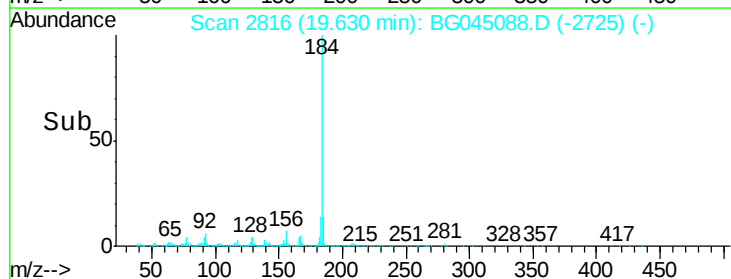
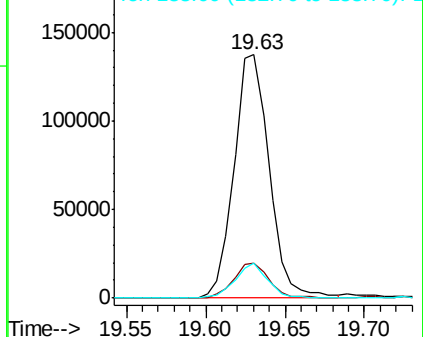
183 14.2 11.3 16.9

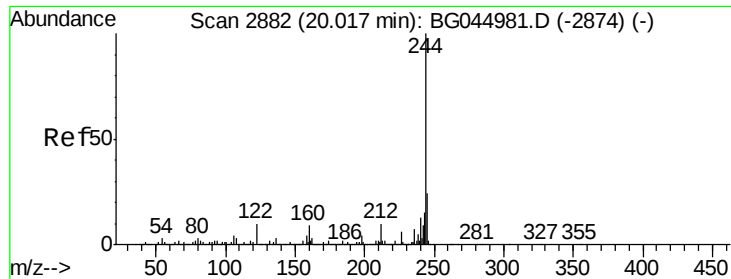


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 55.123 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

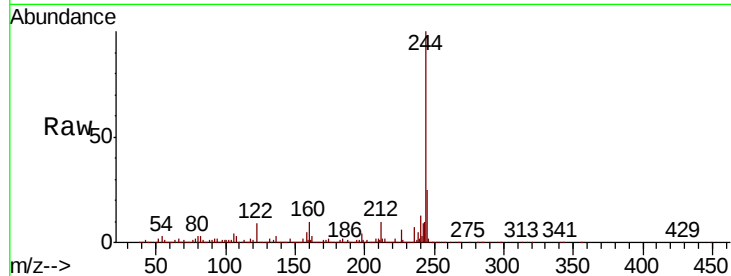
Tot Ion:244 Resp: 2231946

Ion Ratio Lower Upper

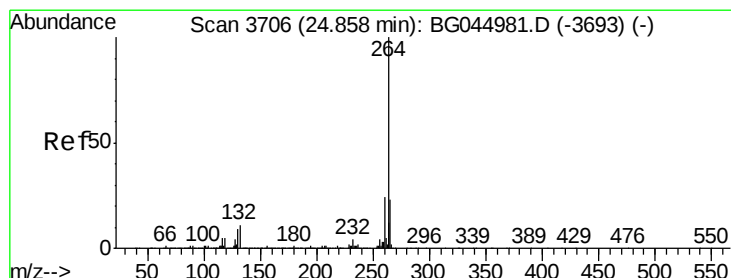
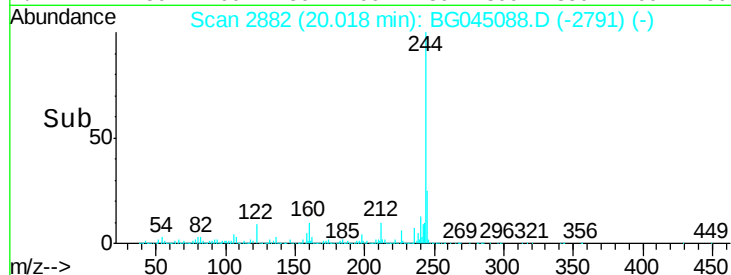
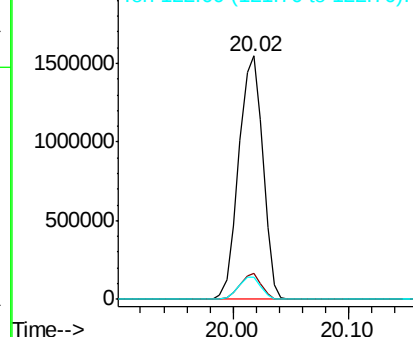
244 100

212 10.4 7.9 11.9

122 9.2 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

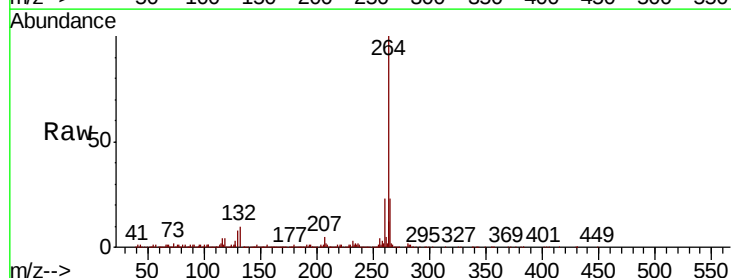
Tgt Ion:264 Resp: 954944

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 22.5 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

