

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011420\
 Data File : BP001597.D
 Acq On : 14 Jan 2020 20:40
 Operator : JU
 Sample : L1091-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GRAVEL-SOIL

Quant Time: Jan 14 22:10:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

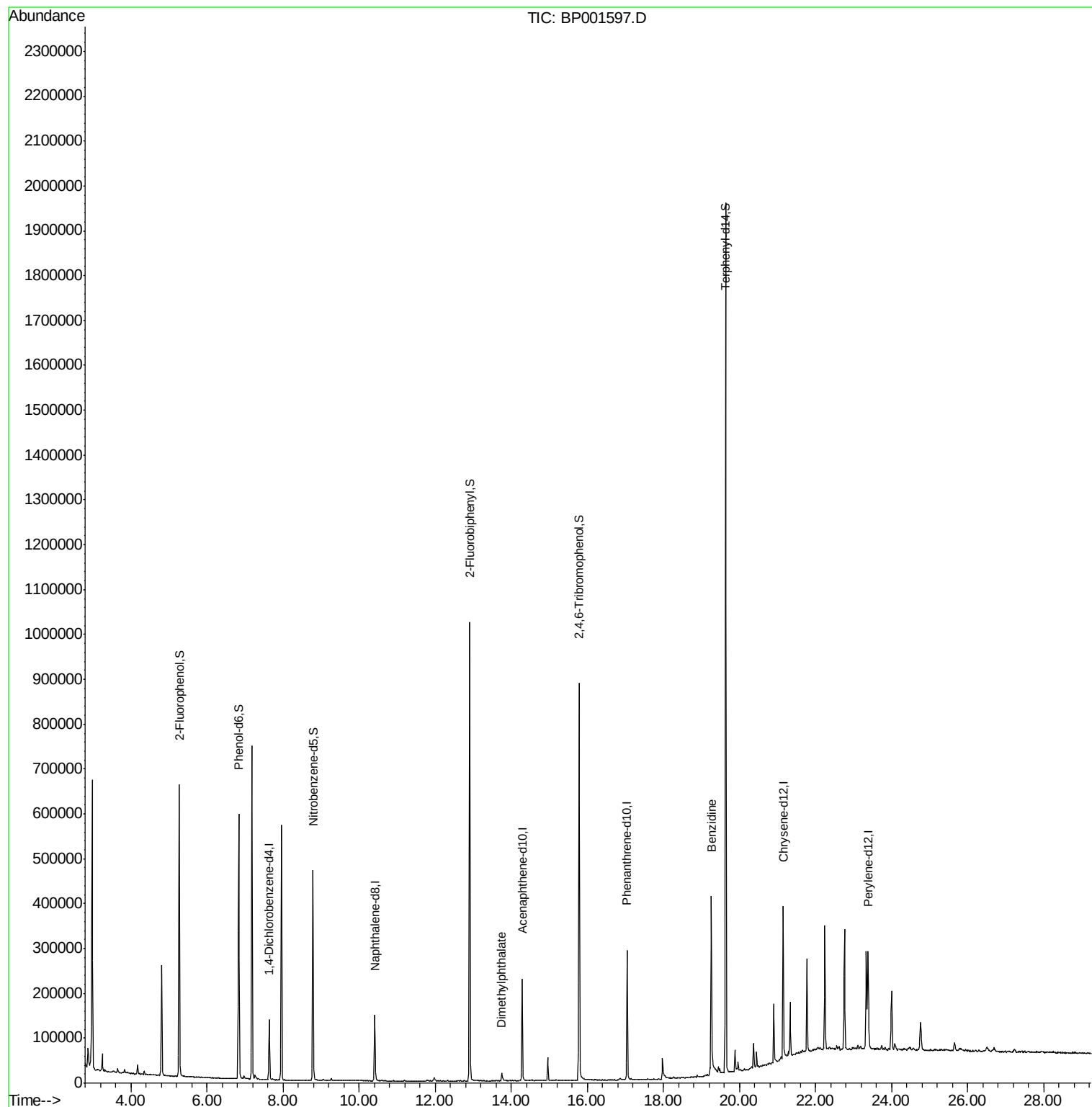
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	29867	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	104691	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	71270	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	163369	20.00	ng	0.00
76) Chrysene-d12	21.15	240	155302	20.00	ng	0.00
87) Perylene-d12	23.38	264	163936	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	204487	134.12	ng	0.00
7) Phenol-d6	6.83	99	246088	100.99	ng	0.00
23) Nitrobenzene-d5	8.79	82	231643	96.69	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	136561	125.88	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	477325	98.47	ng	0.00
79) Terphenyl-d14	19.64	244	869920	102.45	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.75	163	12240	2.085	ng	Qvalue # 96
77) Benzidine	19.26	184	245667	69.278	ng	98

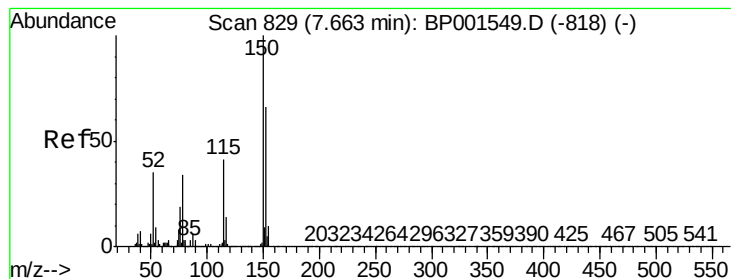
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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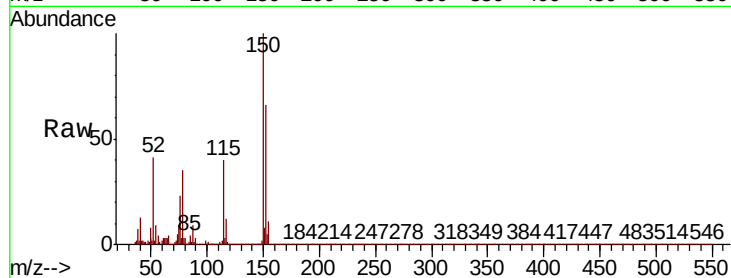


#1

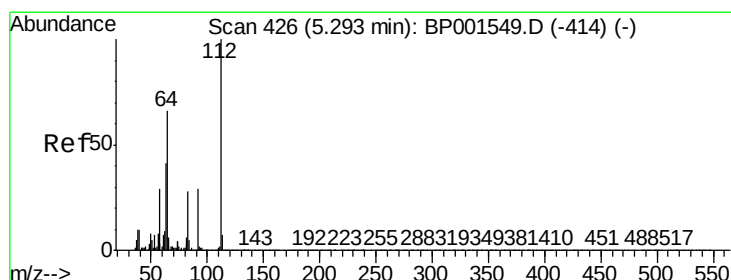
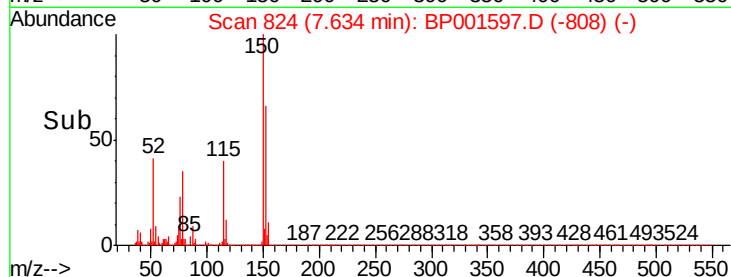
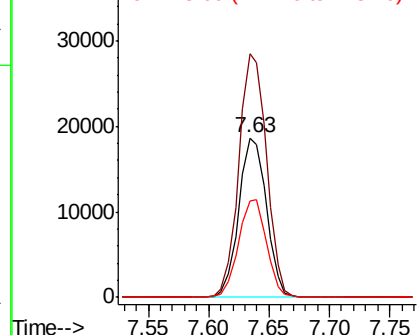
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Instrument :
BNA_P
ClientSampleId :
GRAVEL-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	122.0	183.0
115	60.3	50.7	76.1



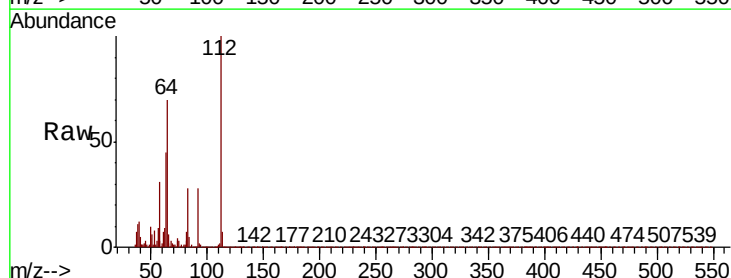
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



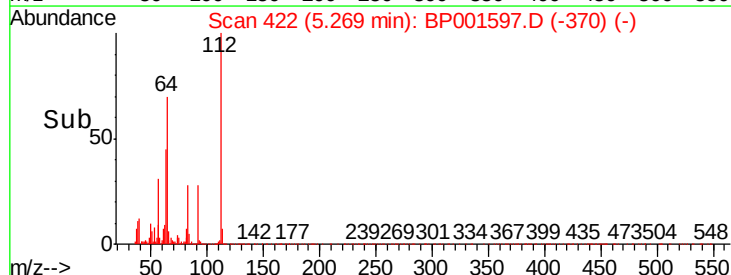
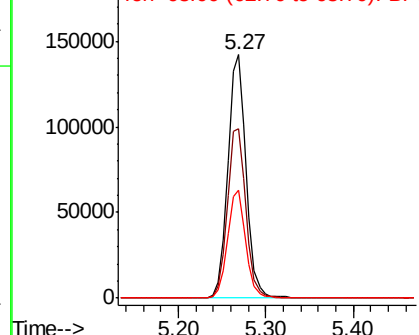
#5

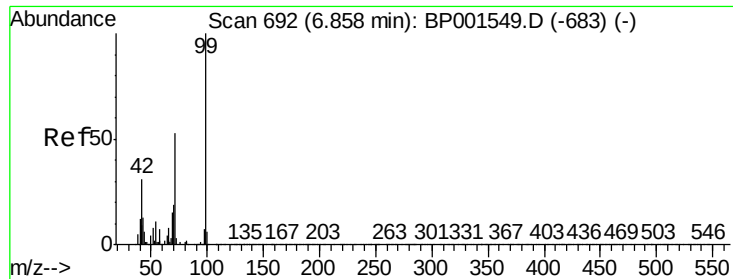
2-Fluorophenol
Concen: 134.118 ng
RT: 5.27 min Scan# 422
Delta R.T. 0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	52.8	79.2
63	44.6	33.1	49.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 100.991 ng

RT: 6.83 min Scan# 688

Delta R.T. -0.00 min

Lab File: BP001597.D

Acq: 14 Jan 2020 20:40

Instrument :

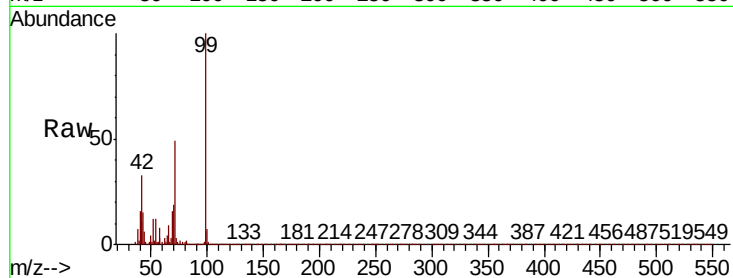
BNA_P

ClientSampleId :

GRAVEL-SOIL

Tot Ion: 99 Resp: 246088

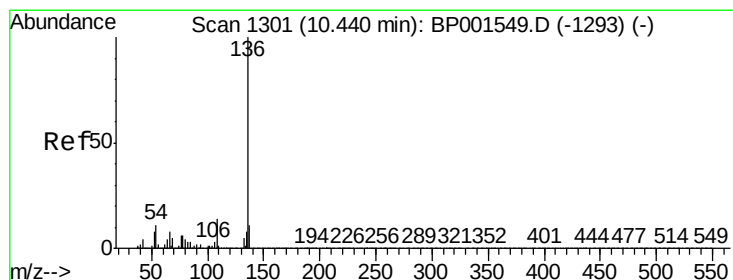
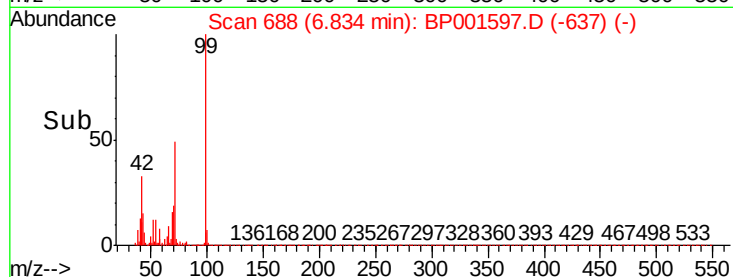
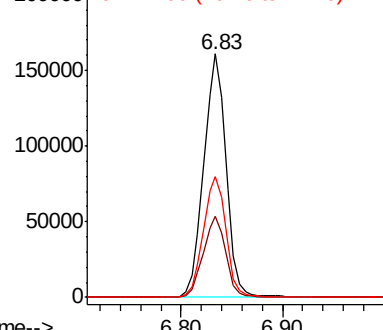
Ion	Ratio	Lower	Upper
99	100		
42	33.3	24.5	36.7
71	49.5	42.4	63.6



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.41 min Scan# 1296

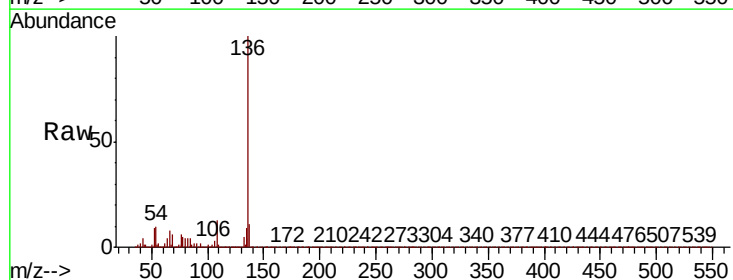
Delta R.T. -0.01 min

Lab File: BP001597.D

Acq: 14 Jan 2020 20:40

Tgt Ion: 136 Resp: 104691

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	10.3	9.2	13.8
68	6.0	4.1	6.1

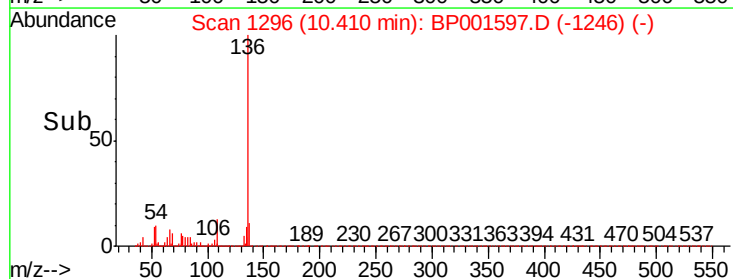
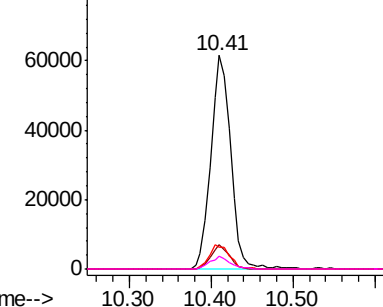


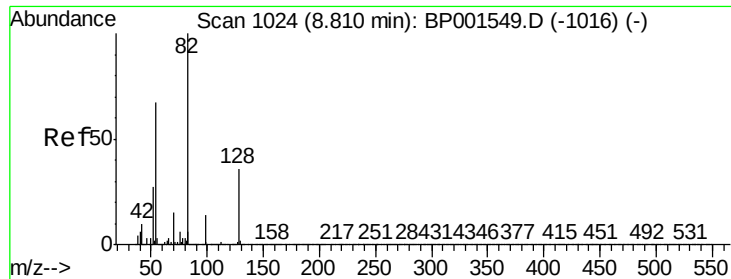
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

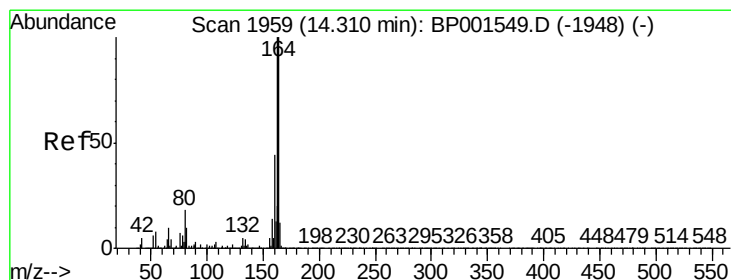
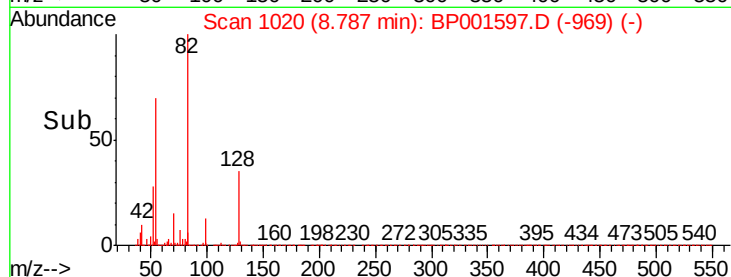
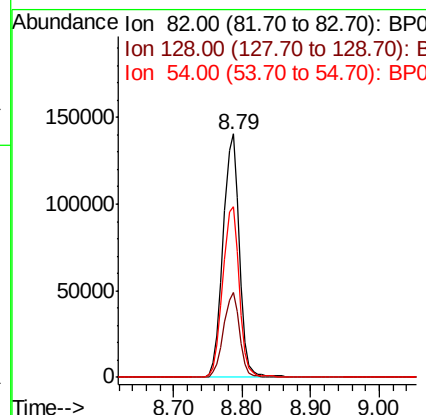
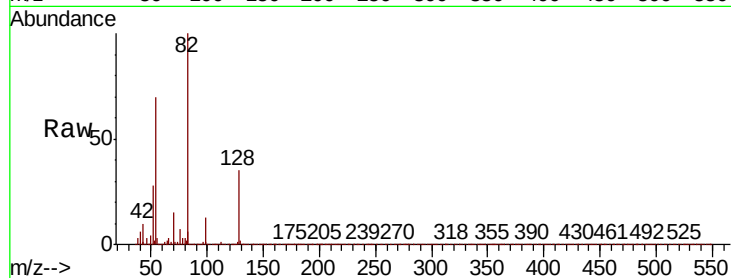




#23
 Nitrobenzene-d5
 Concen: 96.687 ng
 RT: 8.79 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BP001597.D
 Acq: 14 Jan 2020 20:40

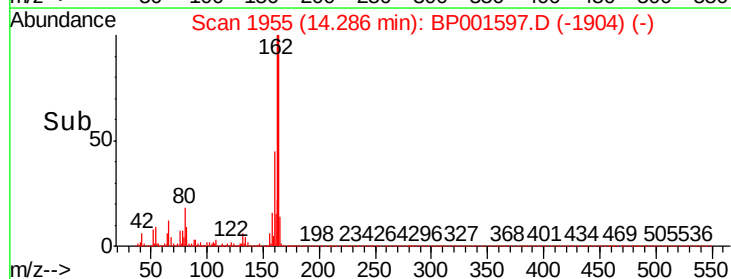
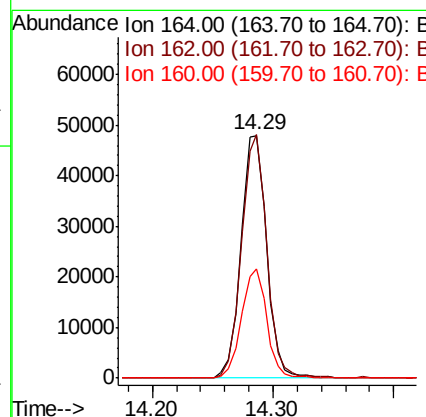
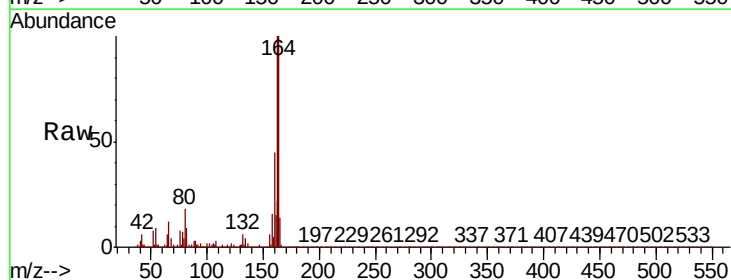
Instrument :
 BNA_P
 ClientSampleId :
 GRAVEL-SOIL

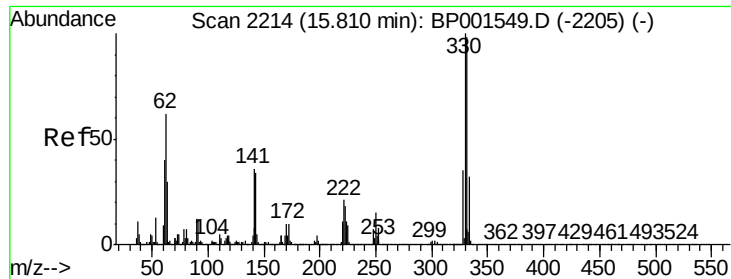
Tot Ion	82	Resp	231643
Ion Ratio	Lower	Upper	
82	100		
128	34.8	28.4	42.6
54	70.0	53.4	80.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.29 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: BP001597.D
 Acq: 14 Jan 2020 20:40

Tgt Ion	164	Resp	71270
Ion Ratio	Lower	Upper	
164	100		
162	100.4	79.8	119.6
160	45.0	35.0	52.6

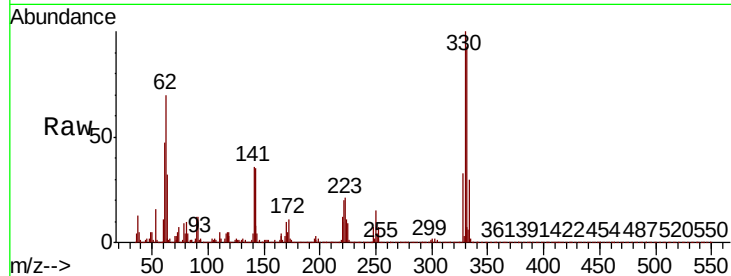




#42
2,4,6-Tribromophenol
Concen: 125.878 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Instrument :
BNA_P
ClientSampleId :
GRAVEL-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.6
141	38.7	28.7	43.1

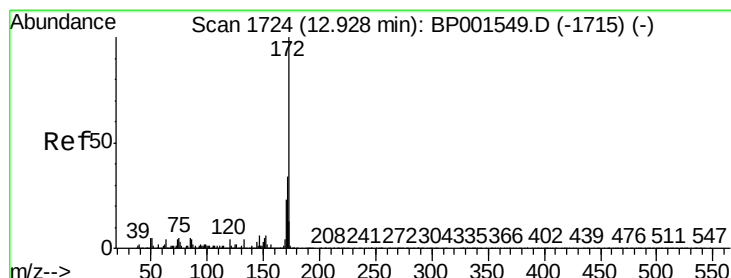
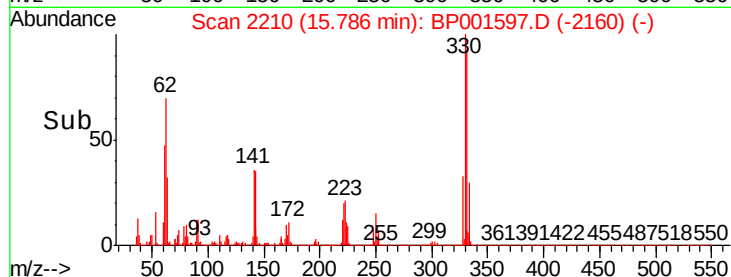
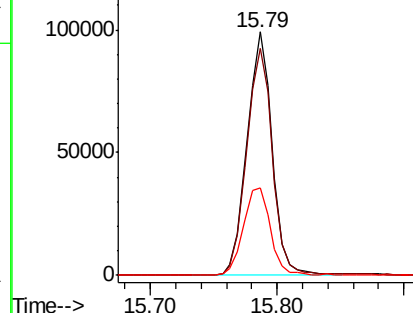


Abundance

Ion 329.80 (329.50 to 330.50): E

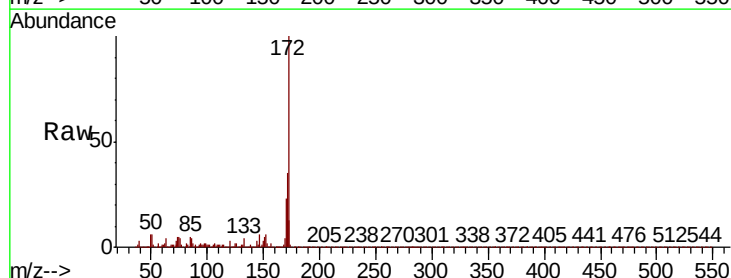
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 98.470 ng
RT: 12.90 min Scan# 1720
Delta R.T. -0.00 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.6	41.4
170	23.3	18.3	27.5

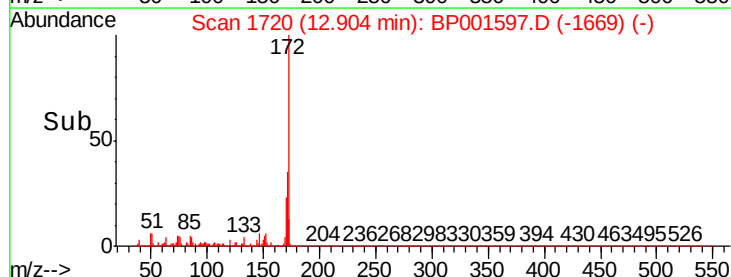
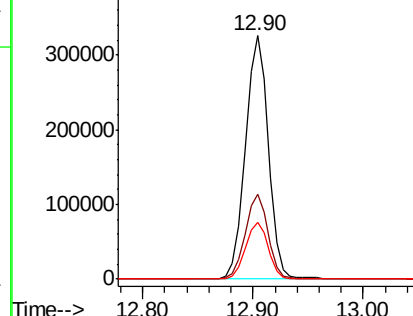


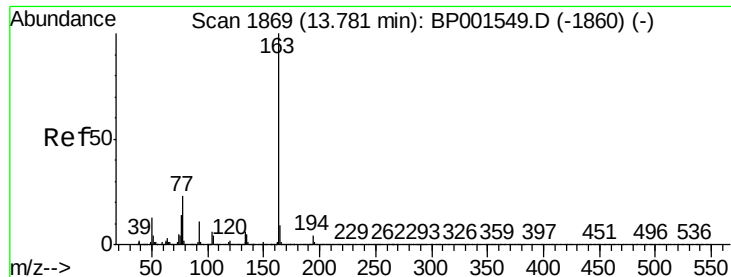
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

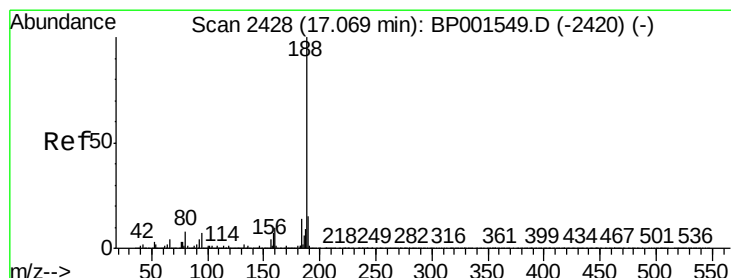
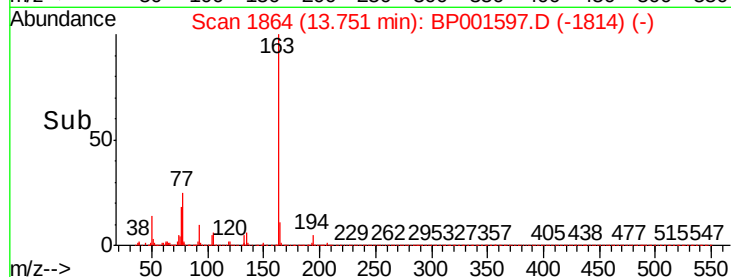
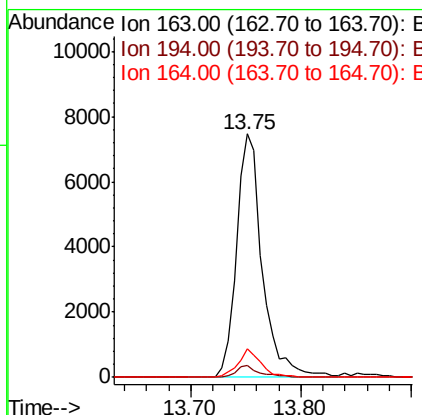
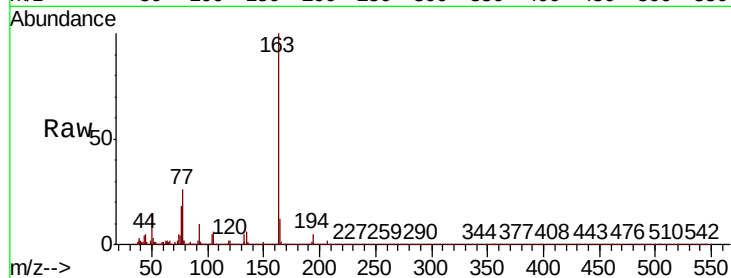




#50
Dimethylphthalate
Concen: 2.085 ng
RT: 13.75 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

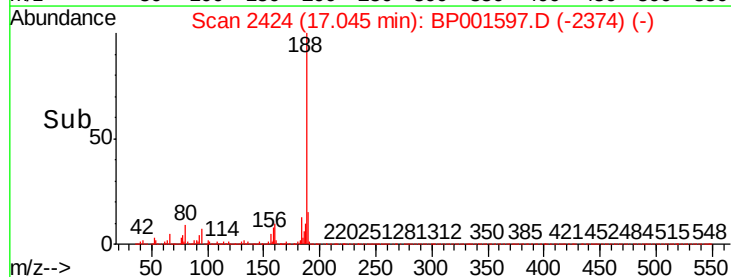
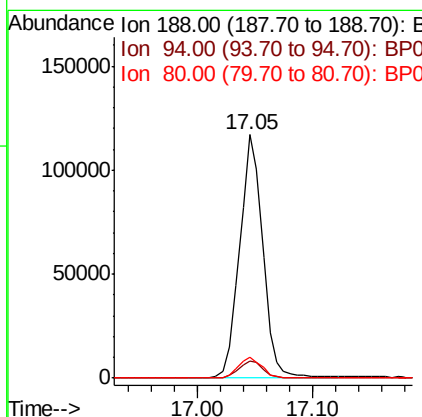
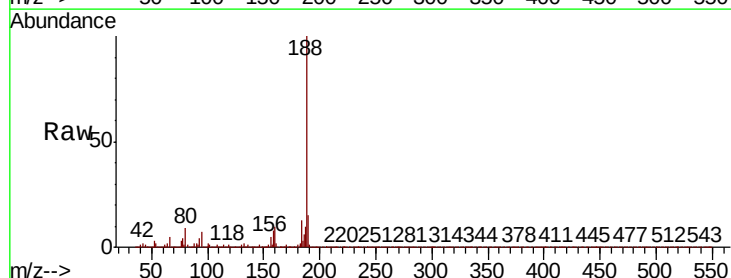
Instrument :
BNA_P
ClientSampleId :
GRAVEL-SOIL

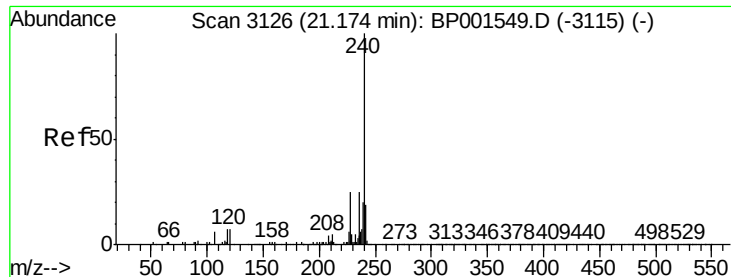
Tot Ion	163	Resp	12240
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.6	5.4
164	11.6	7.5	11.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Tgt Ion	188	Resp	163369
Ion Ratio	Lower	Upper	
188	100		
94	7.2	5.9	8.9
80	8.5	6.8	10.2

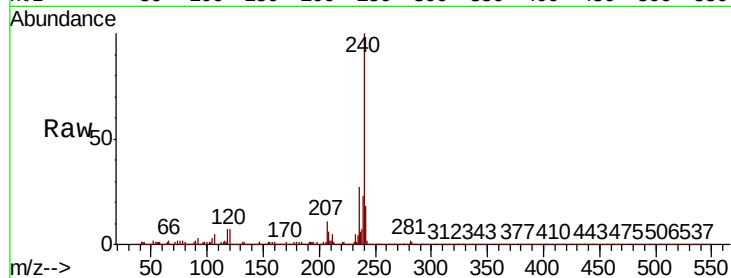




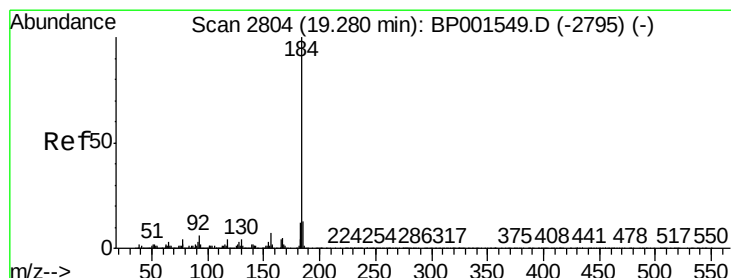
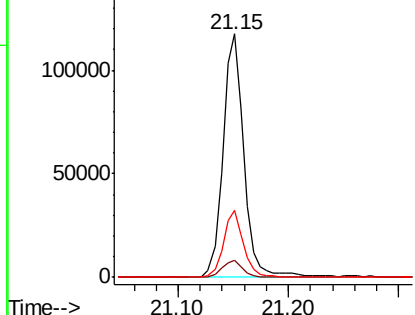
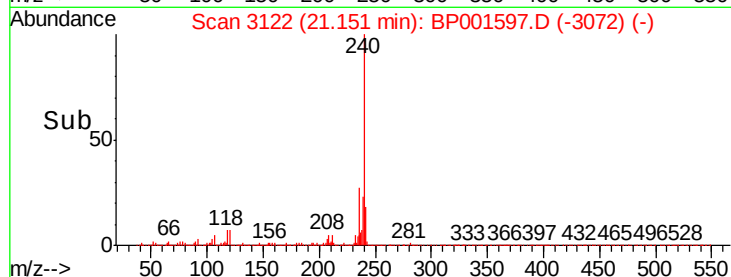
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Instrument :
BNA_P
ClientSampleId :
GRAVEL-SOIL

Tot Ion:240 Resp: 155302
Ion Ratio Lower Upper
240 100
120 7.0 5.7 8.5
236 27.4 20.4 30.6

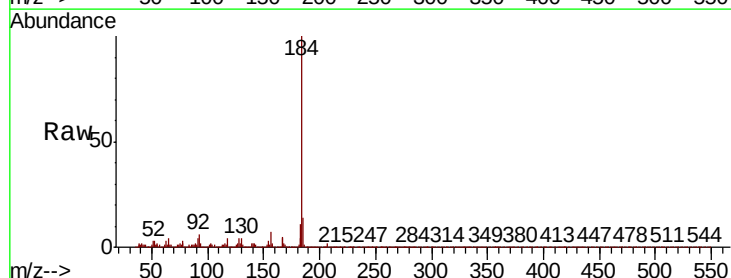


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

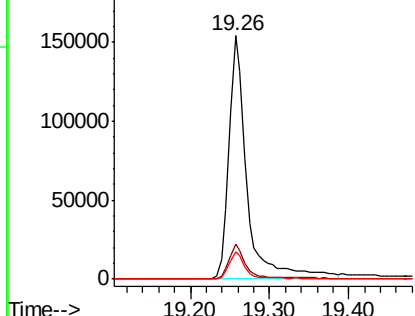
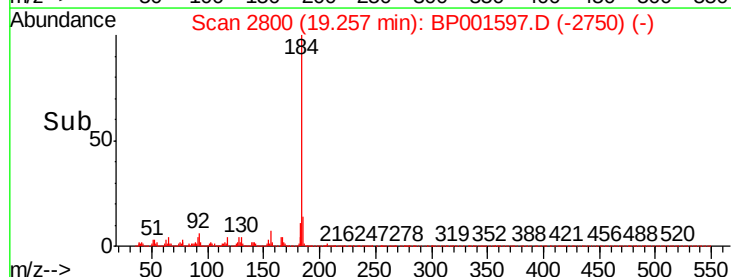


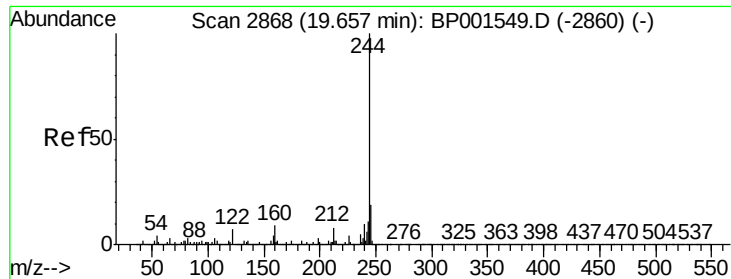
#77
Benzidine
Concen: 69.278 ng
RT: 19.26 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BP001597.D
Acq: 14 Jan 2020 20:40

Tgt Ion:184 Resp: 245667
Ion Ratio Lower Upper
184 100
185 14.3 10.6 16.0
183 11.4 9.4 14.0



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: 102.453 ng

RT: 19.64 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BP001597.D

Acq: 14 Jan 2020 20:40

Instrument :

BNA_P

ClientSampleId :

GRAVEL-SOIL

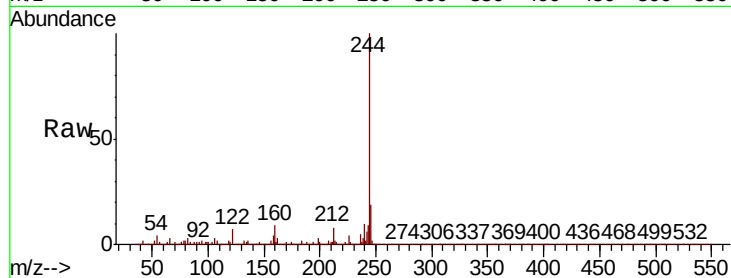
Tot Ion:244 Resp: 869920

Ion Ratio Lower Upper

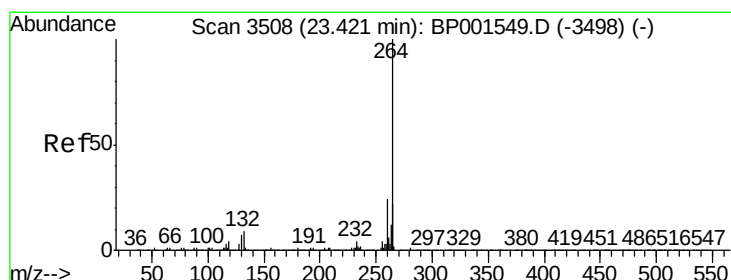
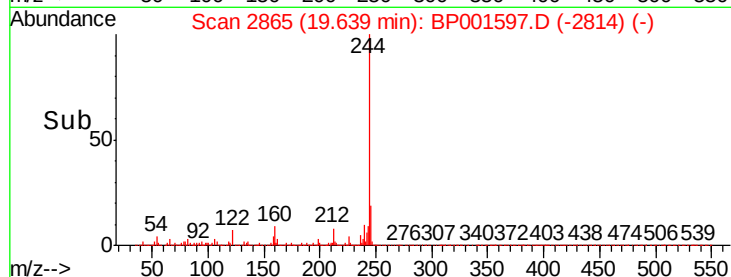
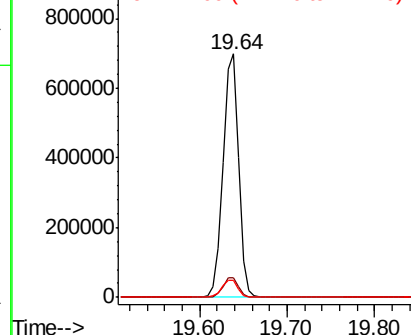
244 100

212 8.2 6.3 9.5

122 7.2 5.8 8.6



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: 23.38 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BP001597.D

Acq: 14 Jan 2020 20:40

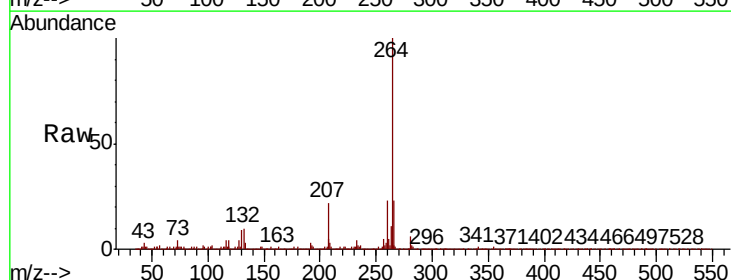
Tgt Ion:264 Resp: 163936

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 22.6 18.2 27.4



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

