

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002827.D
 Acq On : 22 Jul 2020 16:23
 Operator : CG/JU
 Sample : L3365-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20017-20405

Quant Time: Jul 23 02:23:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	144448	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	581264	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	356102	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	749089	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	672680	20.00	ng	0.00
86) Perylene-d12	23.26	264	592151	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	849670	99.24	ng	0.00
7) Phenol-d6	6.75	99	1189858	97.38	ng	0.00
23) Nitrobenzene-d5	8.69	82	823697	75.79	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	392594	105.62	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1646915	71.55	ng	-0.01
79) Terphenyl-d14	19.55	244	1856756	63.28	ng	0.00

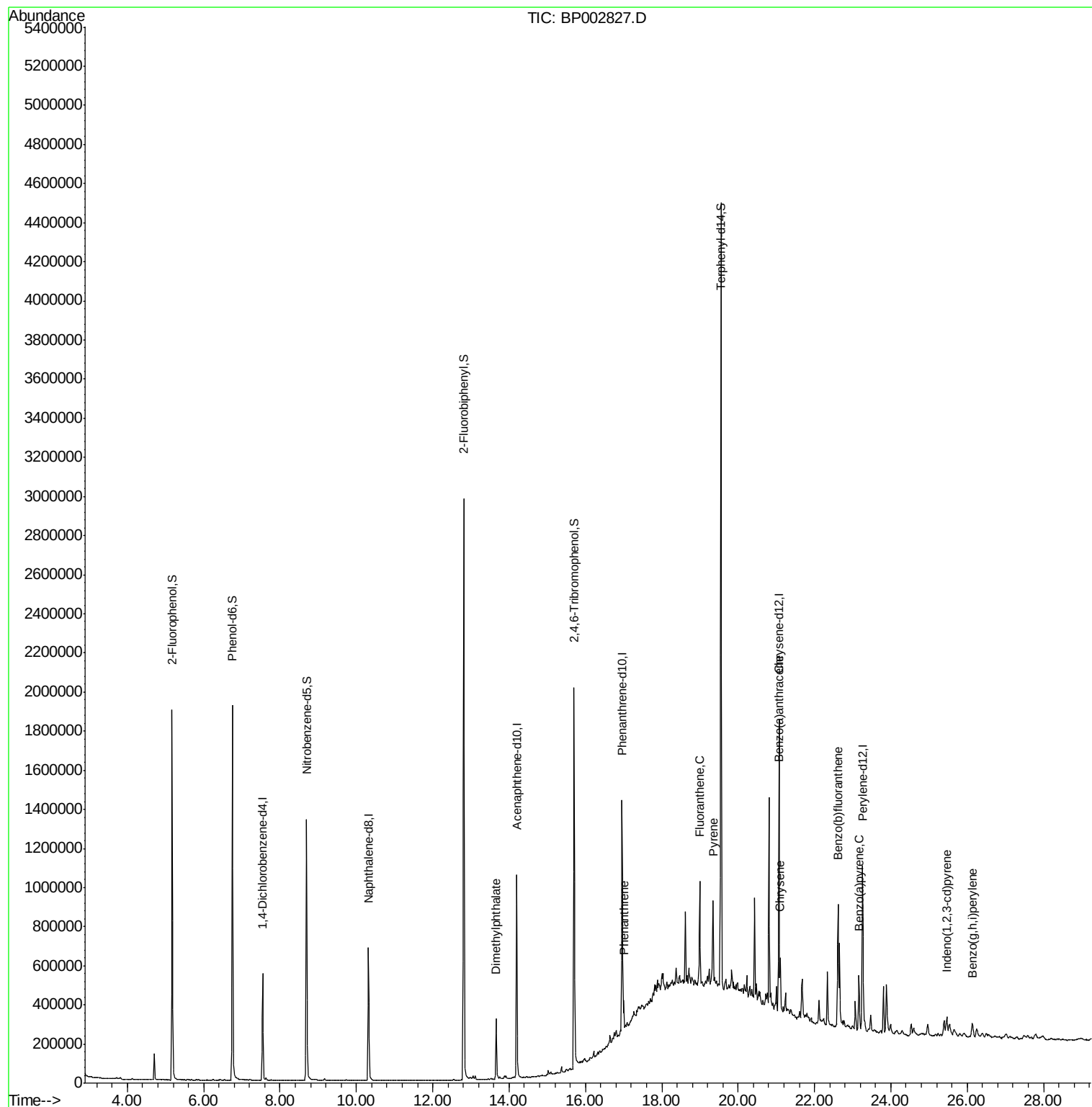
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.66	163	222056	8.177	ng	99
71) Phenanthrene	17.00	178	88815	2.190	ng	# 96
75) Fluoranthene	18.99	202	310464	6.606	ng	99
78) Pyrene	19.34	202	260401	5.607	ng	99
81) Benzo(a)anthracene	21.06	228	123052	2.826	ng	98
83) Chrysene	21.10	228	169455	4.088	ng	98
87) Indeno(1,2,3-cd)pyrene	25.47	276	90630	2.118	ng	96
88) Benzo(b)fluoranthene	22.61	252	227731	6.194	ng	# 97
90) Benzo(a)pyrene	23.17	252	121243	3.480	ng	# 97
92) Benzo(g,h,i)perylene	26.14	276	89550	2.559	ng	97

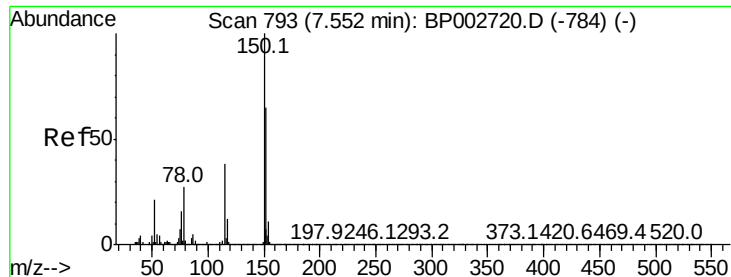
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.55 min Scan# 792

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

20017-20405

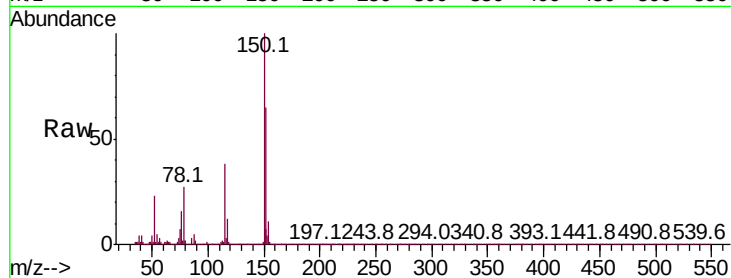
Tot Ion:152 Resp: 144448

Ion Ratio Lower Upper

152 100

150 155.0 123.7 185.5

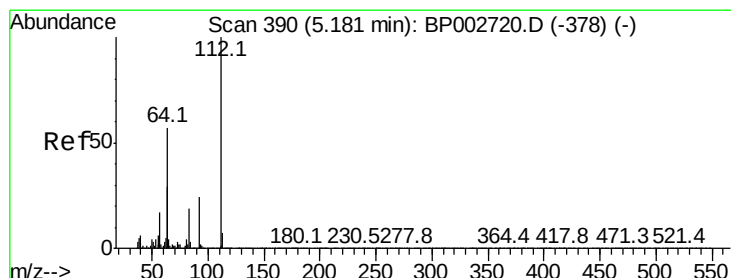
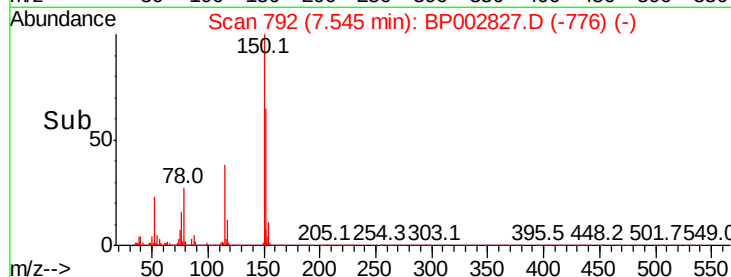
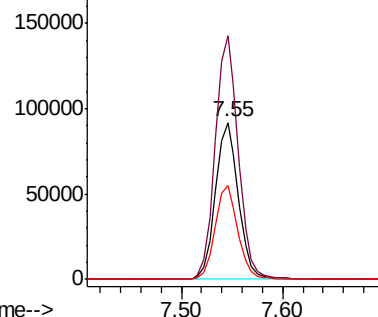
115 59.6 47.2 70.8



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: 99.243 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

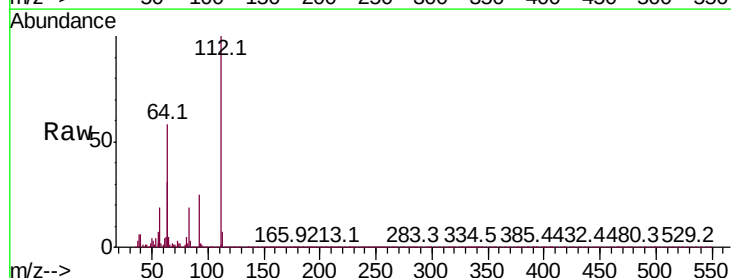
Tgt Ion:112 Resp: 849670

Ion Ratio Lower Upper

112 100

64 58.3 45.6 68.4

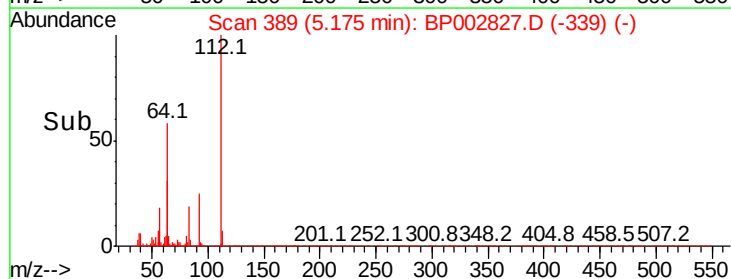
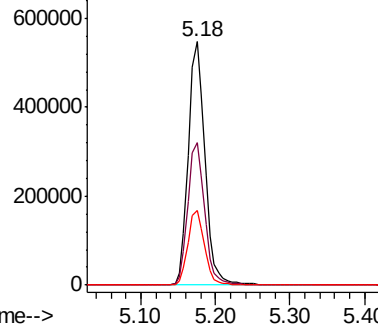
63 30.5 23.5 35.3

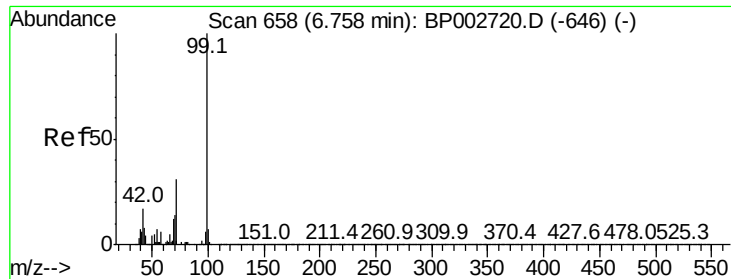


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 97.381 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

20017-20405

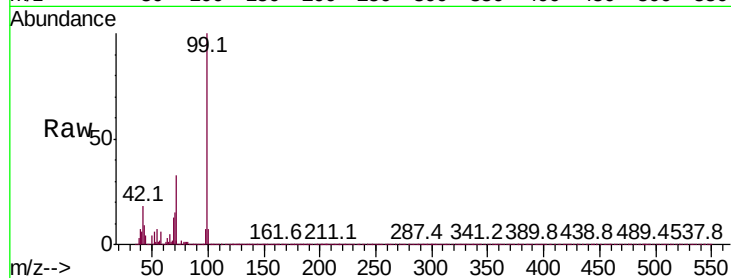
Tot Ion: 99 Resp: 1189858

Ion Ratio Lower Upper

99 100

42 17.8 13.4 20.2

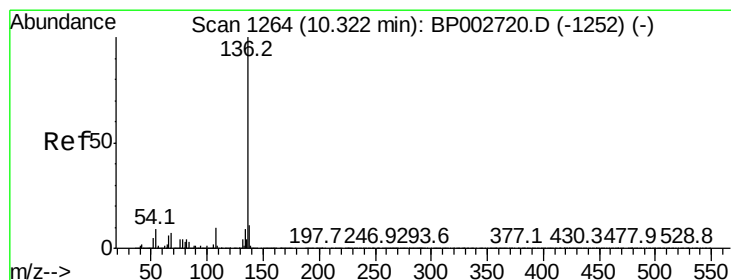
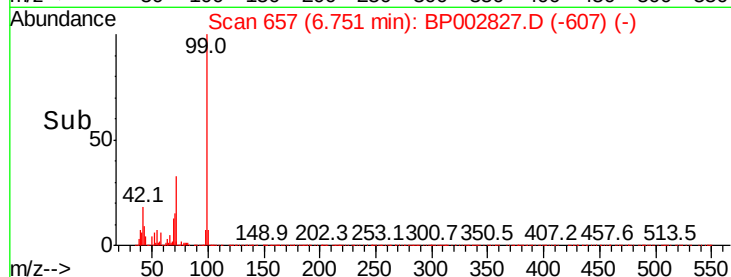
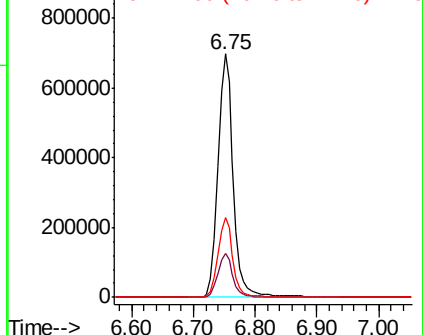
71 32.9 24.6 36.8



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: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Tgt Ion: 136 Resp: 581264

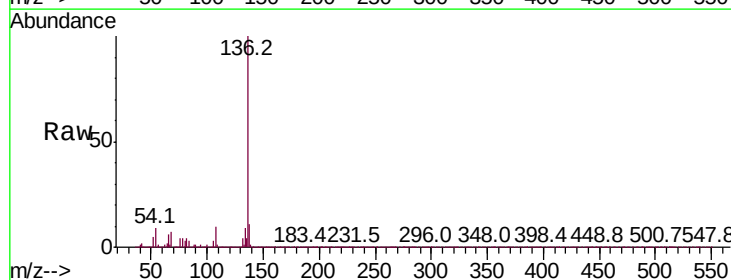
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 6.9 10.3

68 7.2 5.7 8.5

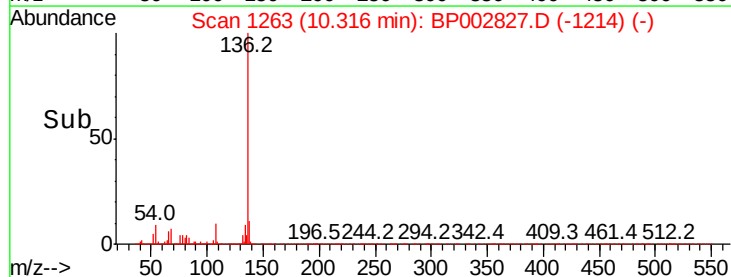
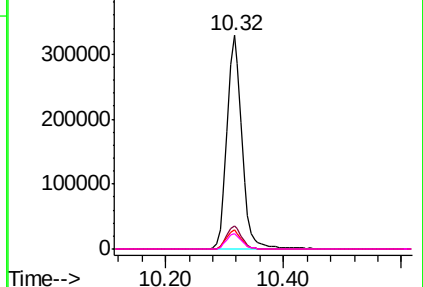


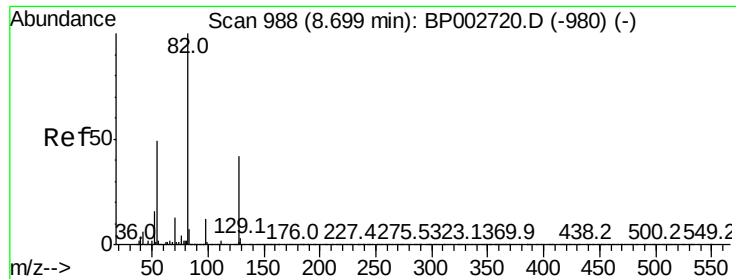
Abundance Ion 136.00 (135.70 to 136.70): E

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

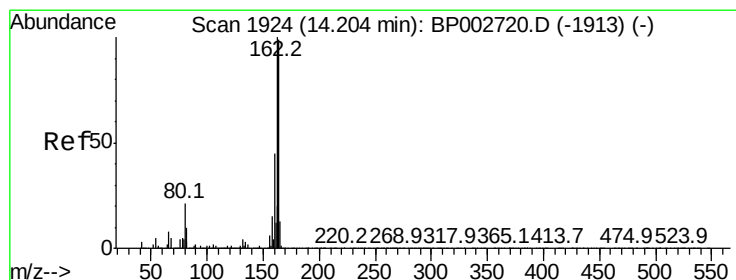
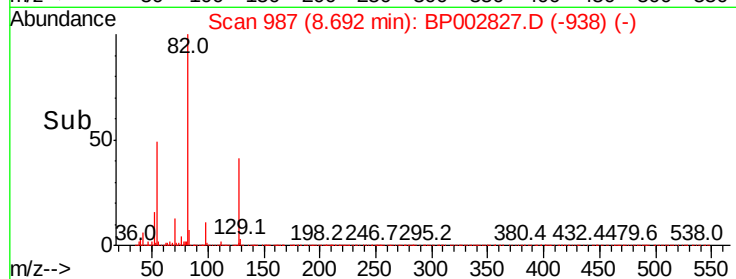
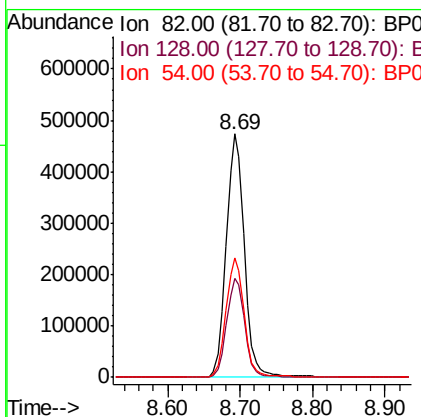
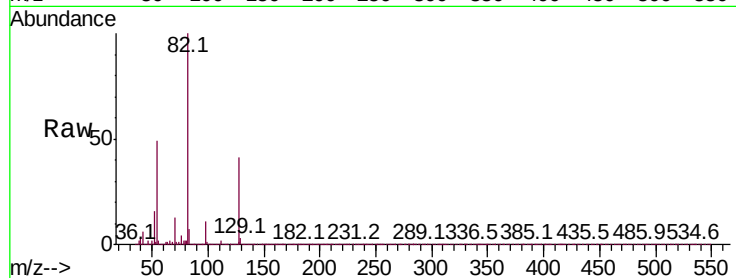




#23
Nitrobenzene-d5
Concen: 75.790 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

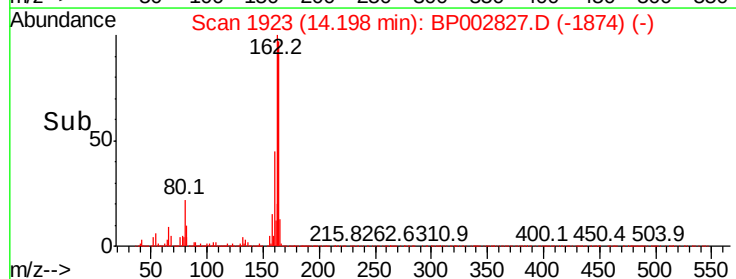
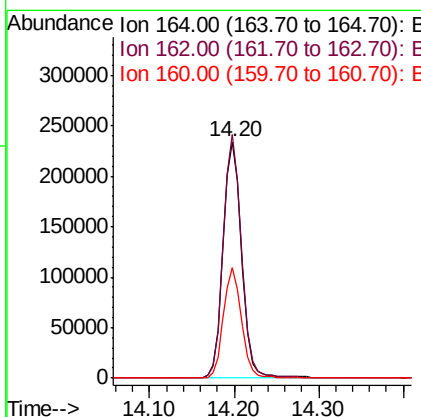
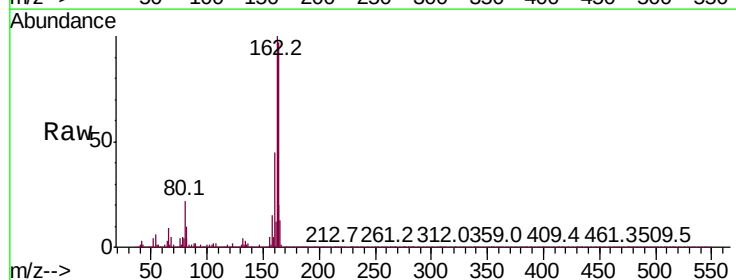
Instrument :
BNA_P
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20017-20405

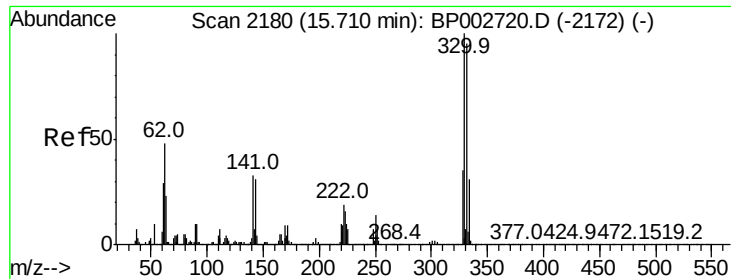
Tot Ion	82	Resp	823697
Ion Ratio	100	Lower	Upper
128	40.7	33.8	50.8
54	49.1	38.8	58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion	164	Resp	356102
Ion Ratio	100	Lower	Upper
162	103.0	80.6	121.0
160	46.5	36.4	54.6

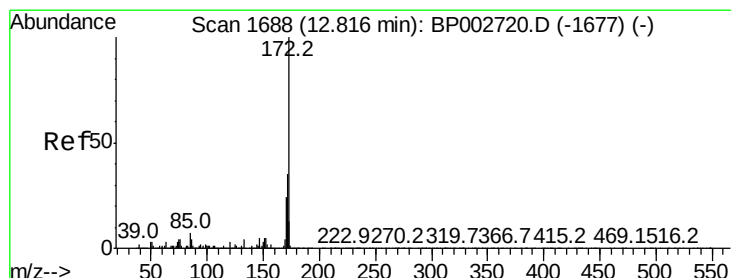
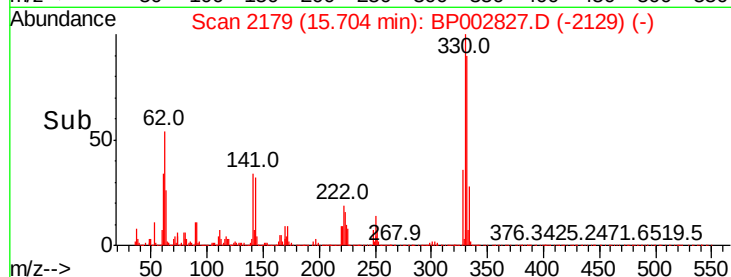
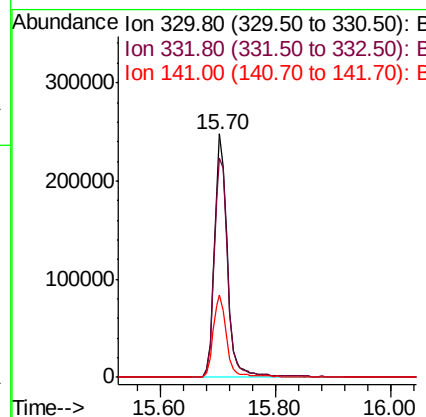
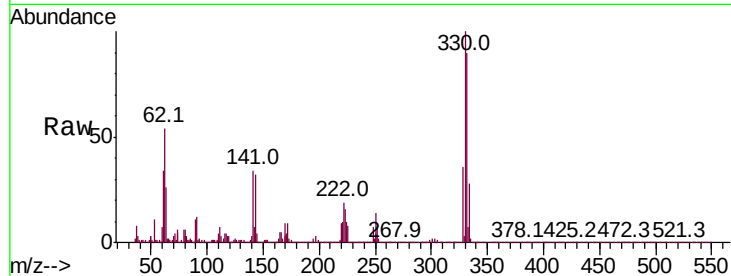




#42
 2,4,6-Tribromophenol
 Concen: 105.617 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

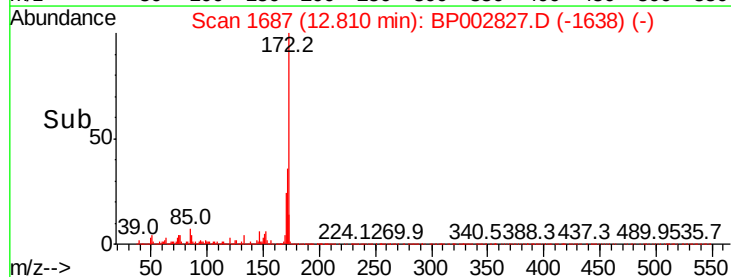
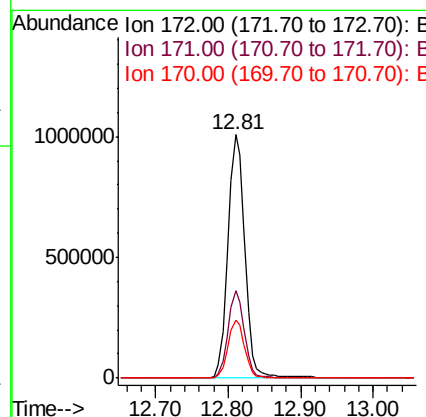
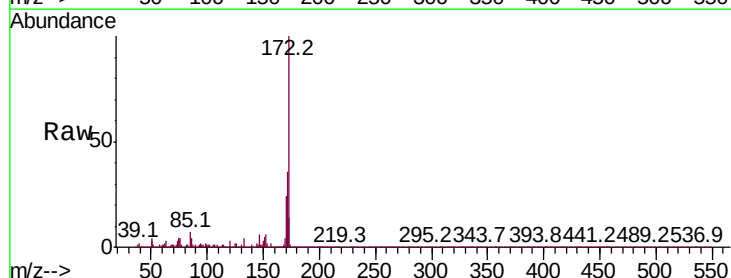
Instrument :
 BNA_P
 ClientSampleId :
 20017-20405

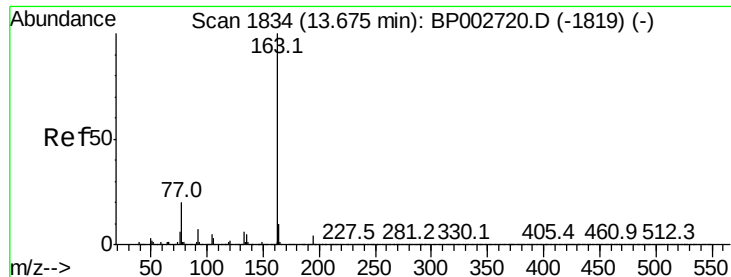
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.5	114.7
141	34.3	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 71.545 ng
 RT: 12.81 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.1	42.1
170	23.9	19.3	28.9





#50

Dimethylphthalate

Concen: 8.177 ng

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

20017-20405

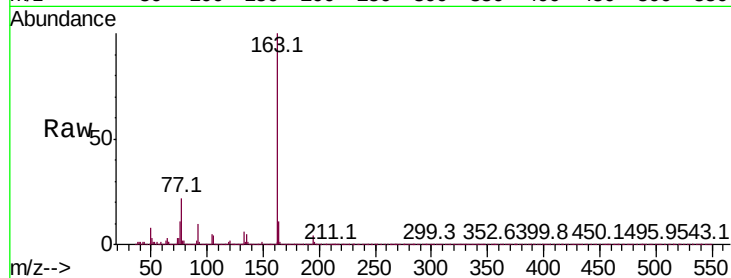
Tot Ion:163 Resp: 222056

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

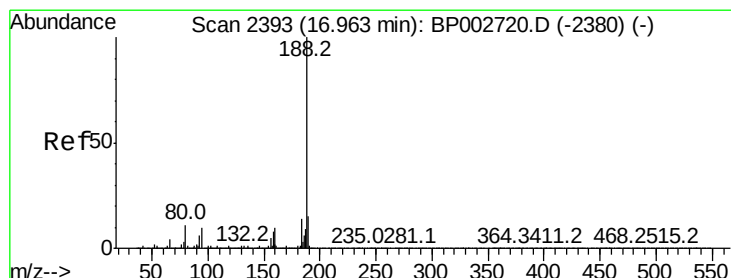
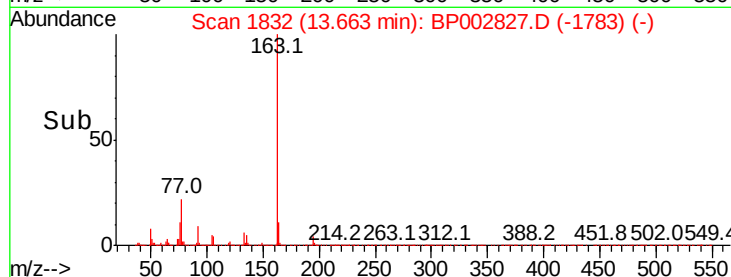
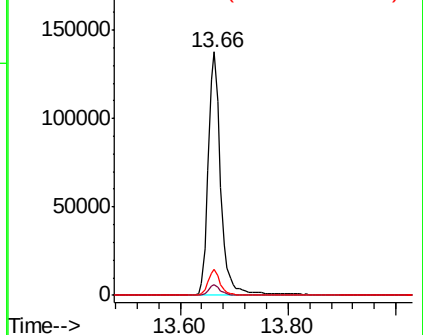
164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

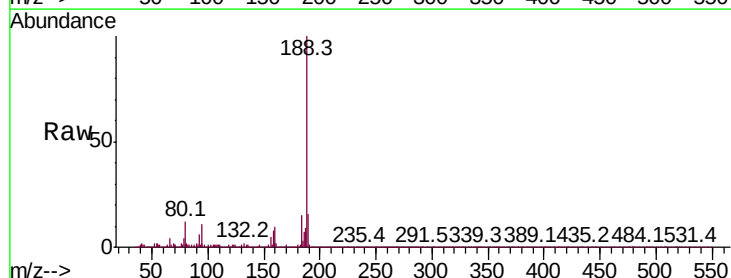
Tgt Ion:188 Resp: 749089

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

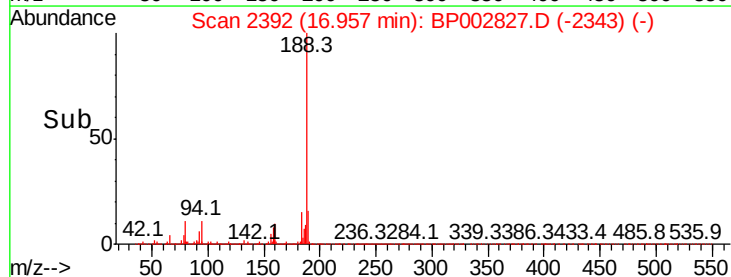
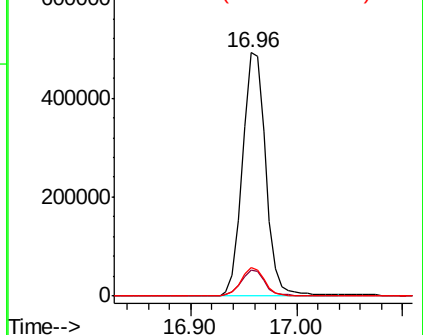
80 11.5 8.9 13.3

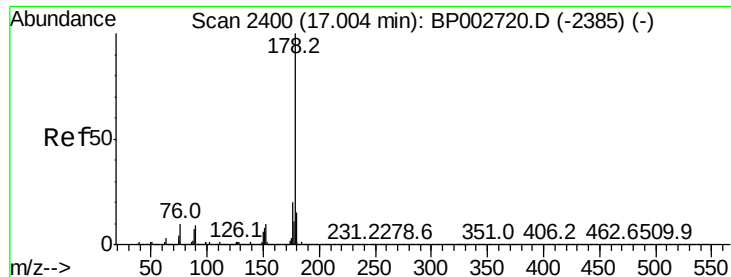


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 2.190 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

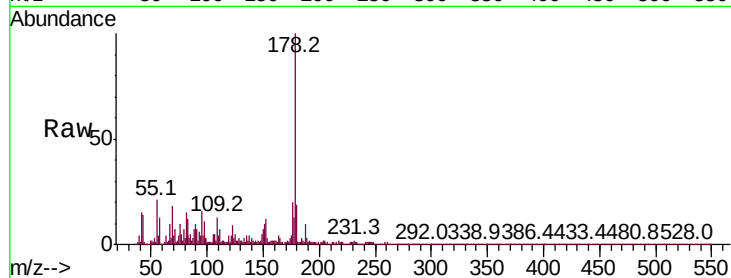
BNA_P

ClientSampleId :

20017-20405

Tot Ion:178 Resp: 88815

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	19.3	12.3	18.5



Abundance

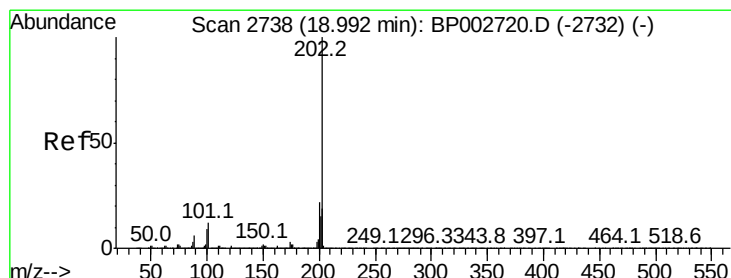
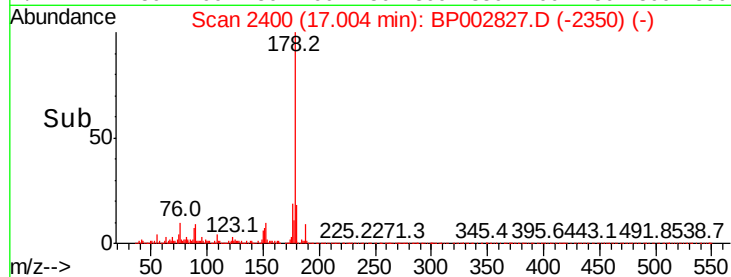
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.00

Time-->



#75

Fluoranthene

Concen: 6.606 ng

RT: 18.99 min Scan# 2738

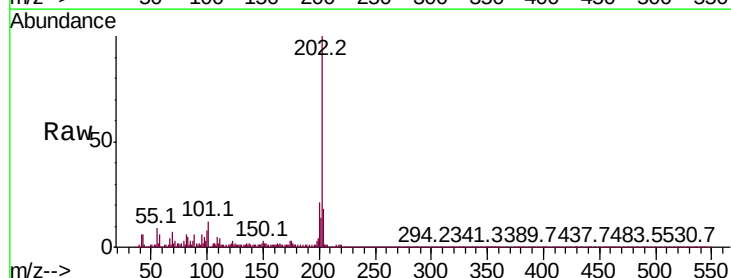
Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Tgt Ion:202 Resp: 310464

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.5
203	17.8	0.0	38.6



Abundance

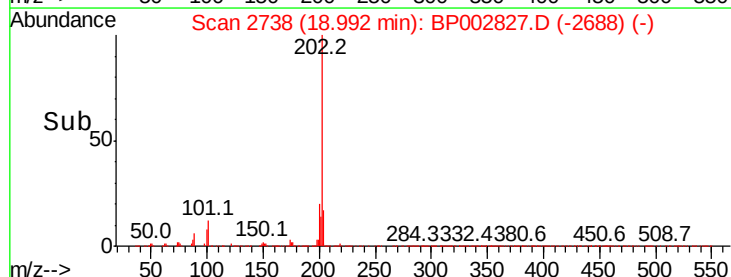
Ion 202.00 (201.70 to 202.70): E

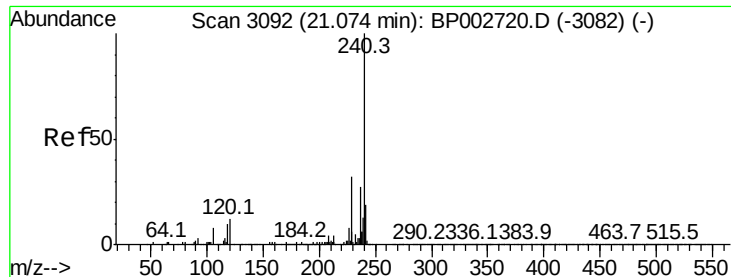
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

18.99

Time-->

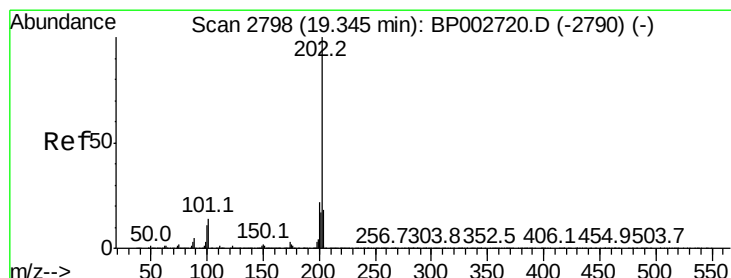
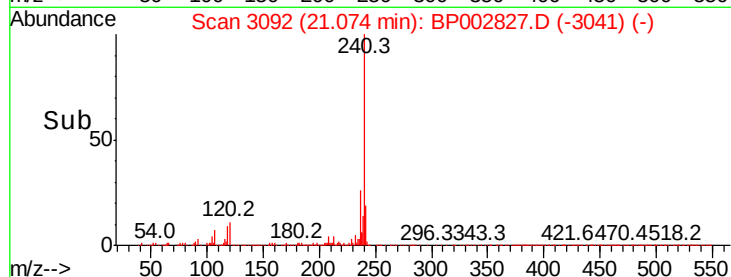
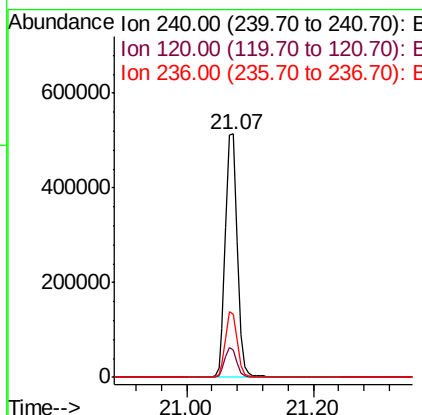
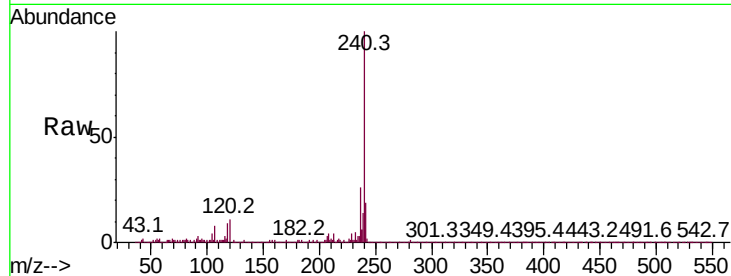




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.00 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

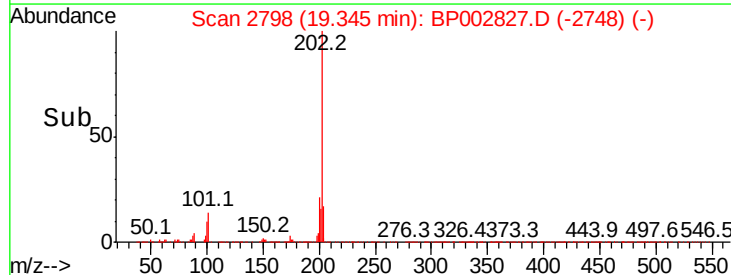
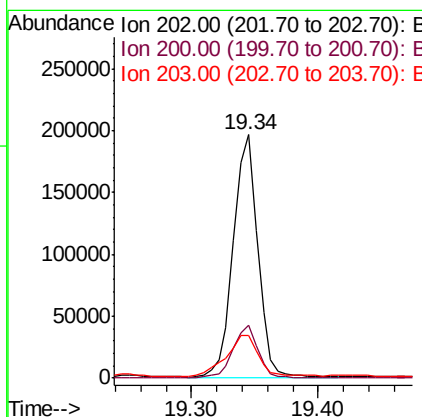
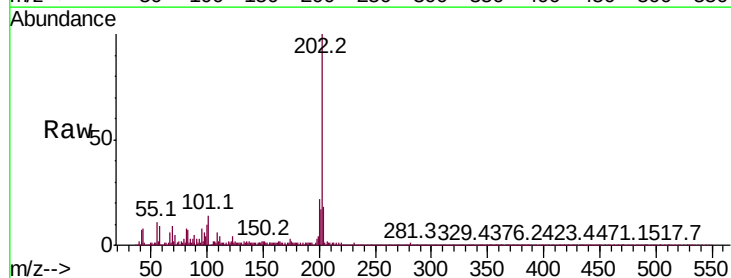
Instrument :
BNA_P
ClientSampleId :
20017-20405

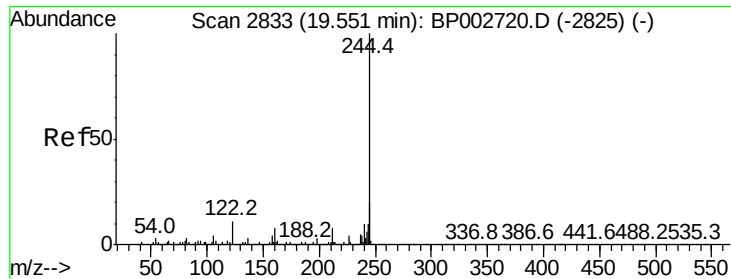
Tot Ion:240 Resp: 672680
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 25.7 21.3 31.9



#78
Pyrene
Concen: 5.607 ng
RT: 19.34 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion:202 Resp: 260401
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 17.7 14.5 21.7





#79

Terphenyl-d14

Concen: 63.285 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

20017-20405

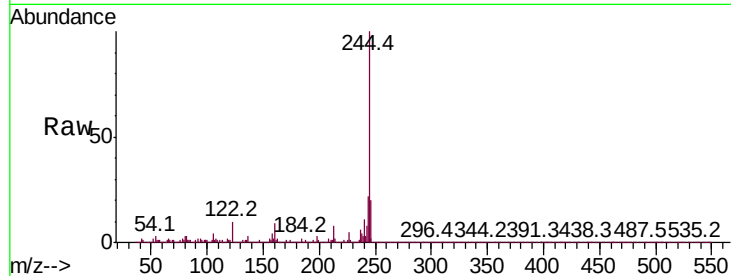
Tot Ion:244 Resp: 1856756

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

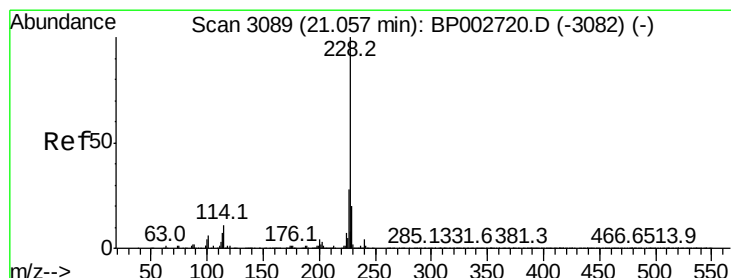
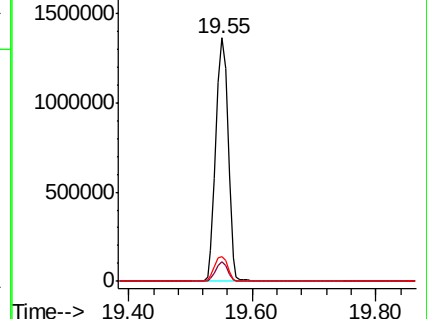
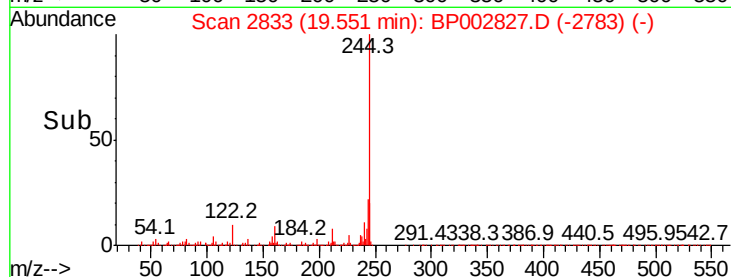
122 10.3 8.9 13.3



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



#81

Benzo(a)anthracene

Concen: 2.826 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

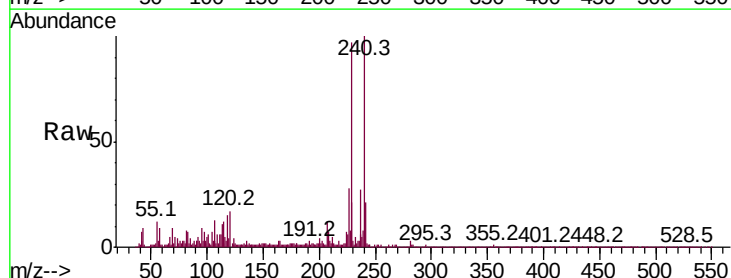
Tgt Ion:228 Resp: 123052

Ion Ratio Lower Upper

228 100

226 28.5 22.6 34.0

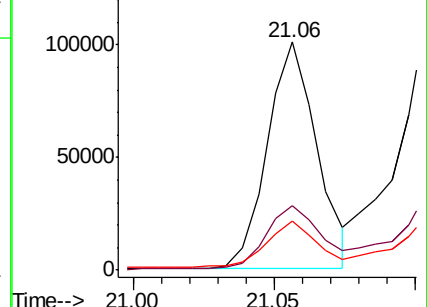
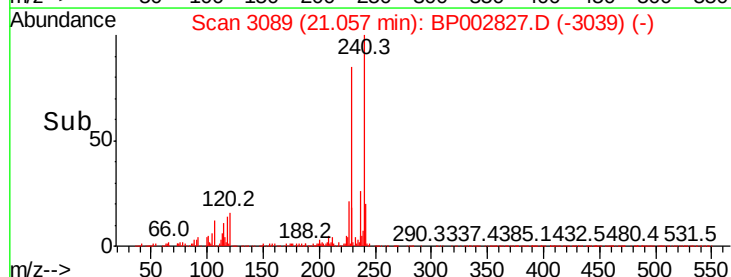
229 21.6 16.0 24.0

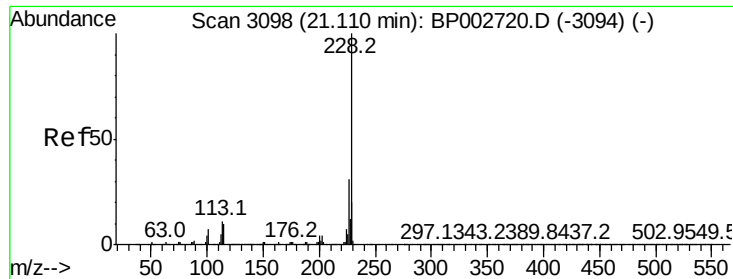


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

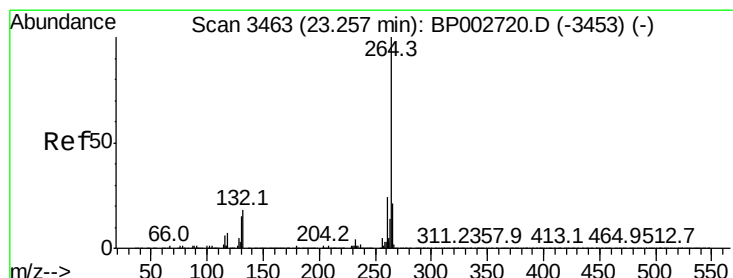
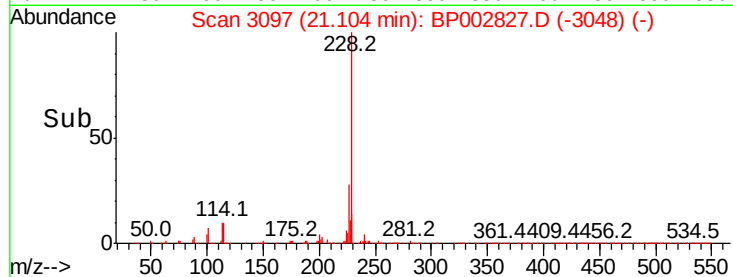
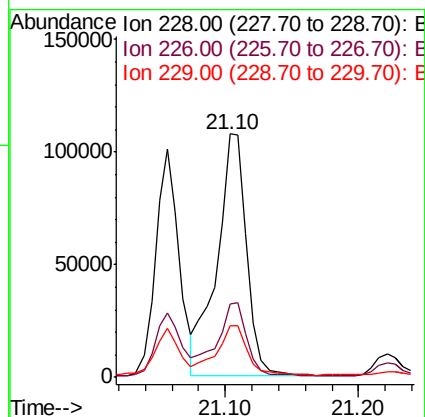
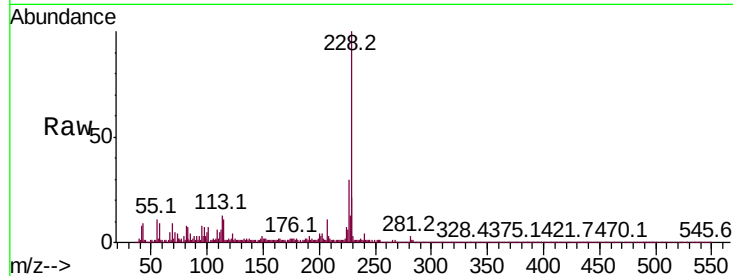




#83
Chrysene
Concen: 4.088 ng
RT: 21.10 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

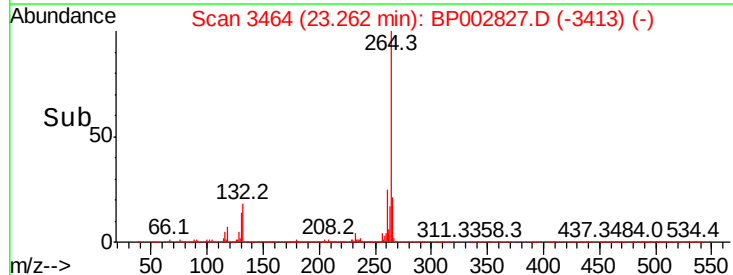
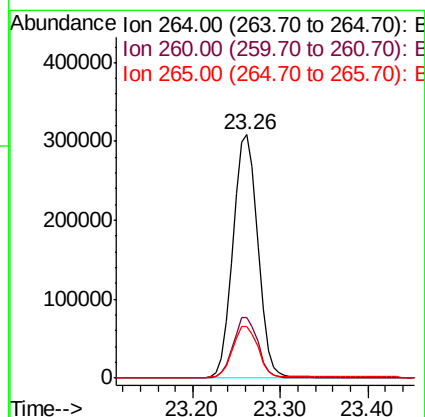
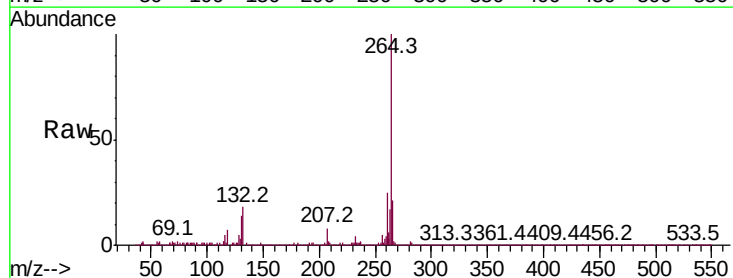
Instrument :
BNA_P
ClientSampleId :
20017-20405

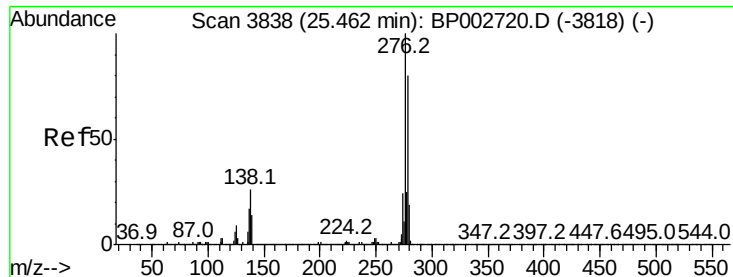
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	21.1	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. -0.00 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	21.4	16.8	25.2

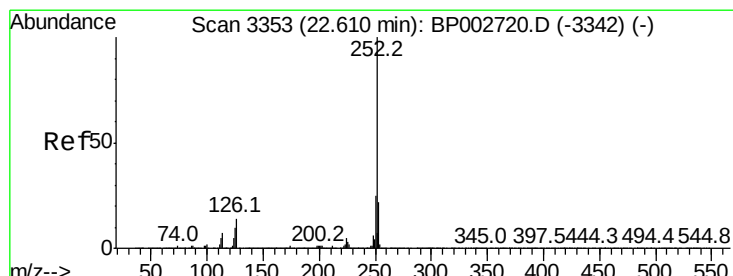
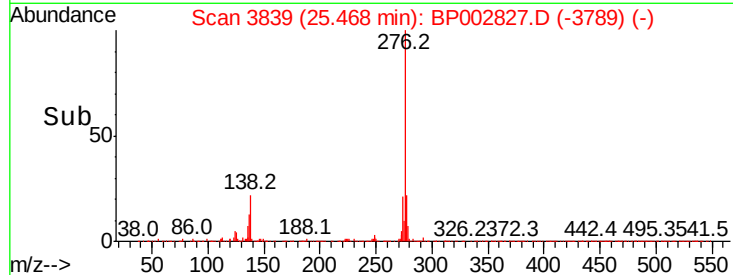
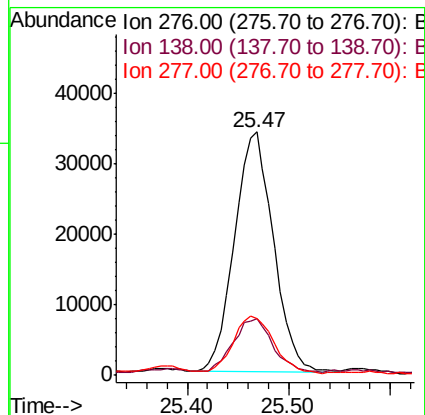
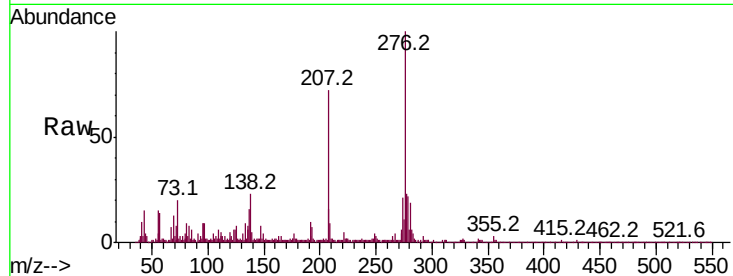




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.118 ng
 RT: 25.47 min Scan# 3839
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

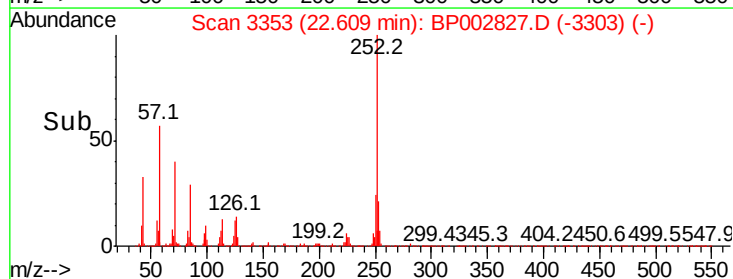
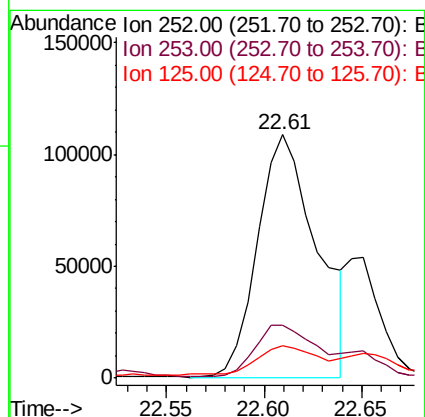
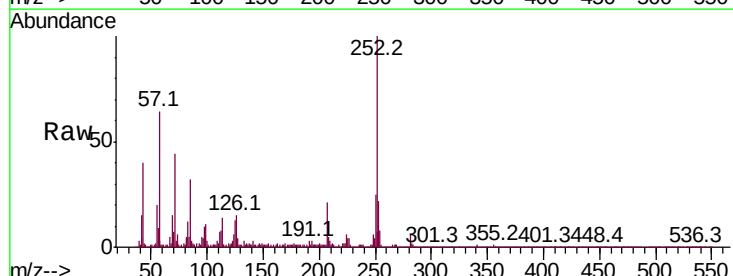
Instrument :
 BNA_P
 ClientSampleId :
 20017-20405

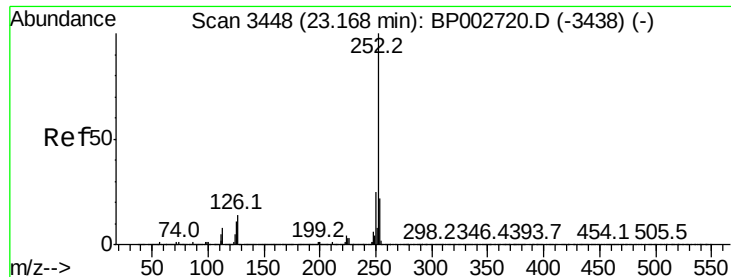
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.8	31.2
277	24.6	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 6.194 ng
 RT: 22.61 min Scan# 3353
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	13.4	8.2	12.2





#90

Benzo(a)pyrene

Concen: 3.480 ng

RT: 23.17 min Scan# 3448

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

20017-20405

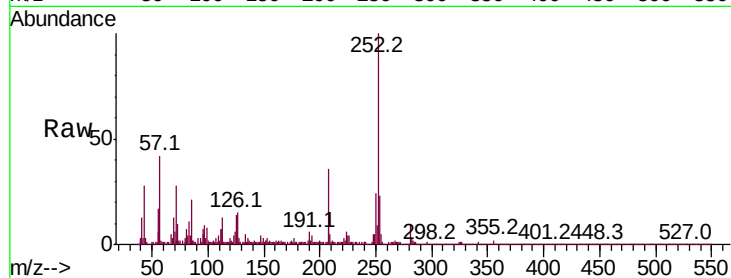
Tot Ion:252 Resp: 121243

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

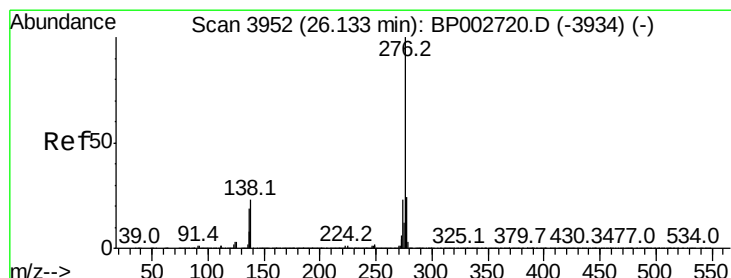
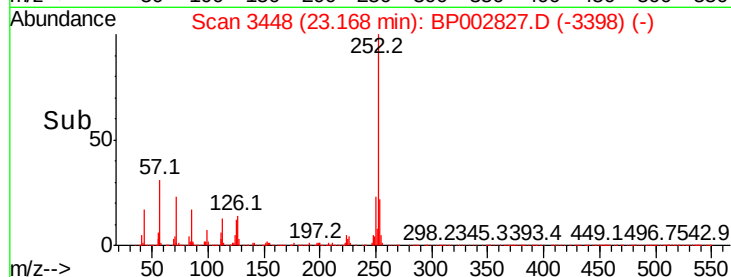
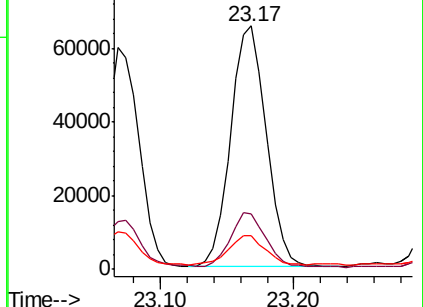
125 13.9 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.559 ng

RT: 26.14 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

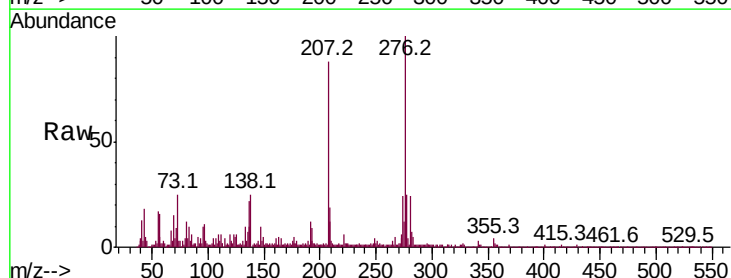
Tgt Ion:276 Resp: 89550

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 24.9 18.3 27.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

