

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003285.D
 Acq On : 15 Sep 2020 00:36
 Operator : CG/JU
 Sample : L3981-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B19-0-2

Quant Time: Sep 15 01:41:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	180640	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	684734	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	381232	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	693984	20.00	ng	0.00
76) Chrysene-d12	21.14	240	687090	20.00	ng	0.00
86) Perylene-d12	23.38	264	804325	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	578945	56.66	ng	0.00
7) Phenol-d6	6.85	99	692754	54.09	ng	0.01
23) Nitrobenzene-d5	8.79	82	415712	43.77	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	334009	64.78	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1215104	46.68	ng	-0.01
79) Terphenyl-d14	19.62	244	1326429	42.48	ng	0.00

Target Compounds

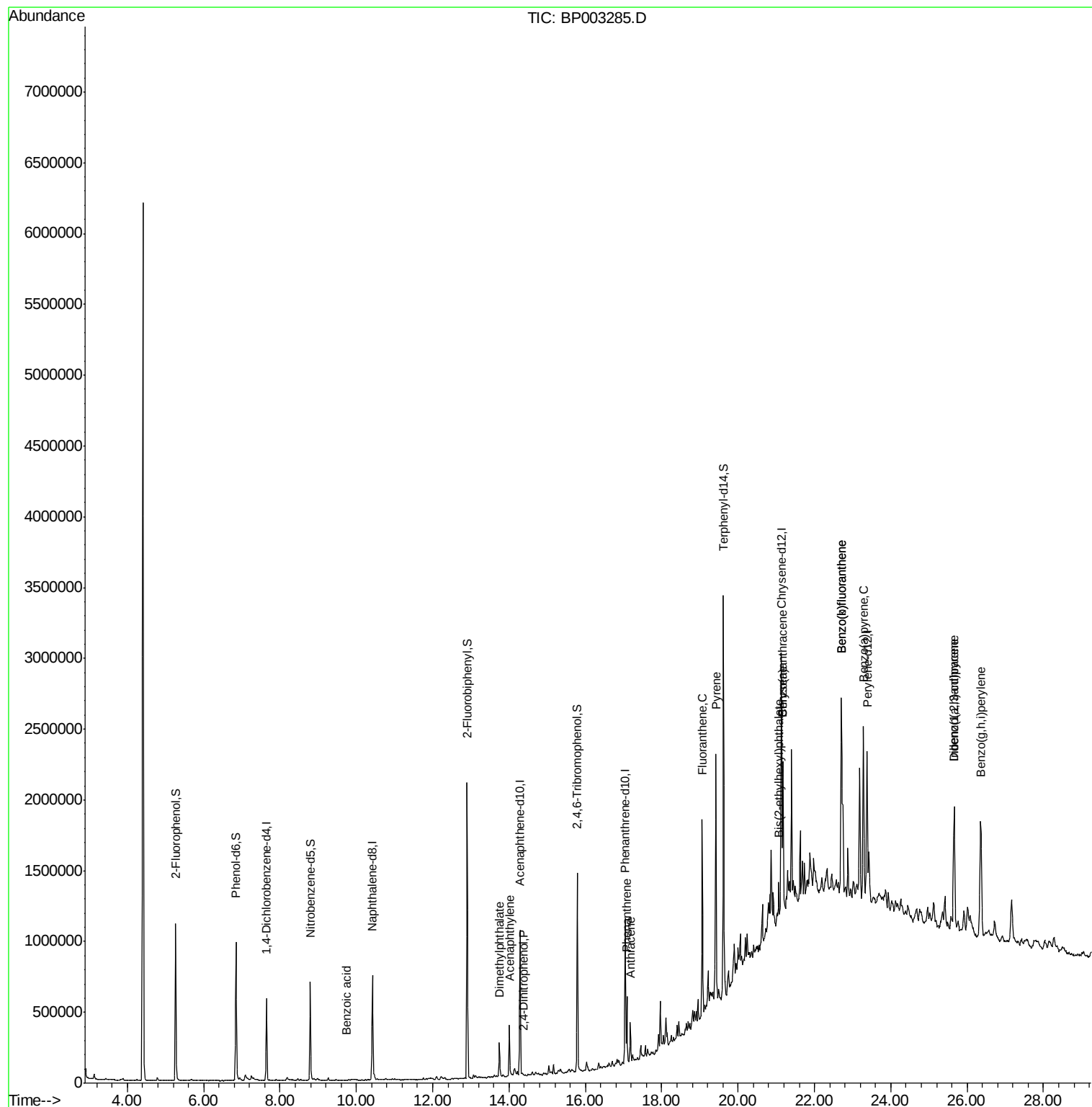
						Qvalue
32) Benzoic acid	9.76	122	633	9.076	ng	# 71
49) Acenaphthylene	14.01	152	330097	9.326	ng	99
50) Dimethylphthalate	13.75	163	162071	5.575	ng	99
54) 2,4-Dinitrophenol	14.39	184	56	7.770	ng	# 1
71) Phenanthrene	17.09	178	300058	7.979	ng	99
72) Anthracene	17.17	178	192821	5.358	ng	99
75) Fluoranthene	19.06	202	872123	20.066	ng	99
78) Pyrene	19.42	202	1088212	24.403	ng	99
81) Benzo(a)anthracene	21.17	228	628545	14.604	ng	95
83) Chrysene	21.17	228	628545	15.253	ng	98
84) Bis(2-ethylhexyl)phthalate	21.06	149	121096	4.567	ng	# 97
87) Indeno(1,2,3-cd)pyrene	25.66	276	894514	14.913	ng	# 93
88) Benzo(b)fluoranthene	22.71	252	1618614	32.378	ng	97
89) Benzo(k)fluoranthene	22.71	252	1618614	33.888	ng	98
90) Benzo(a)pyrene	23.28	252	901208	19.432	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	219194	4.448	ng	# 81
92) Benzo(a,h,i)perylene	26.36	276	1097473	22.194	ng	96

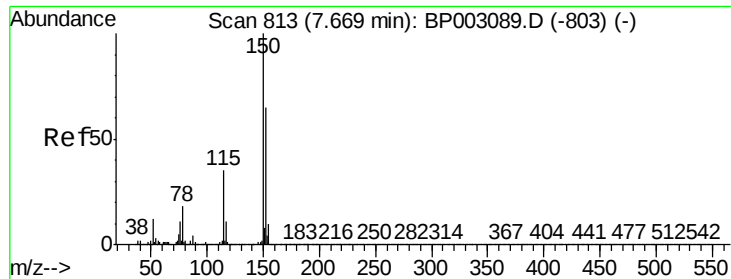
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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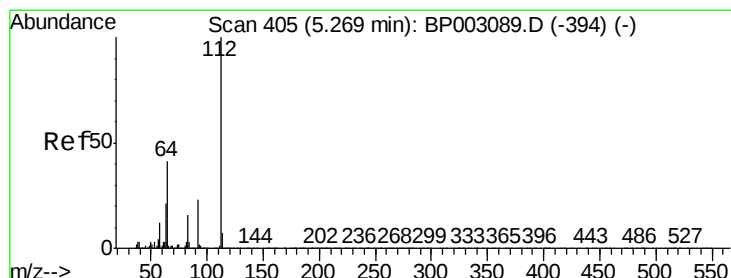
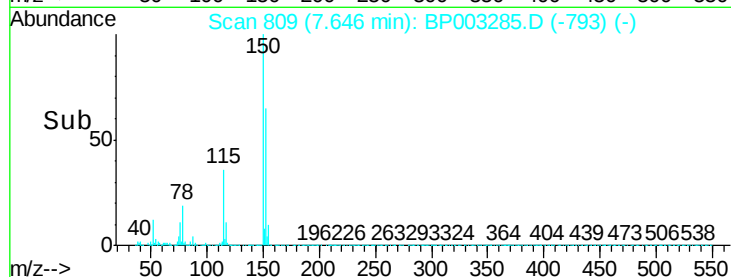
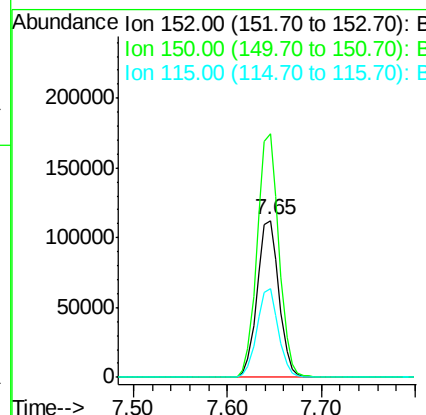
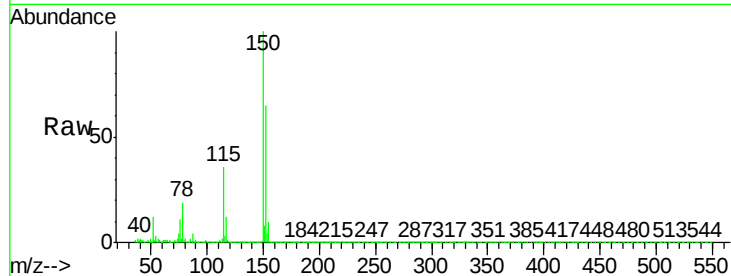


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 809
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

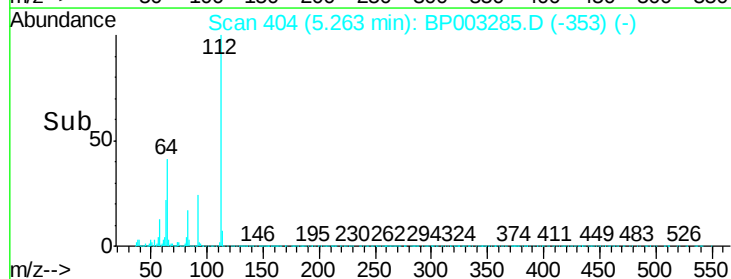
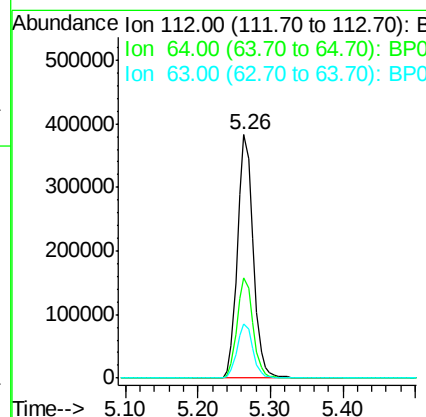
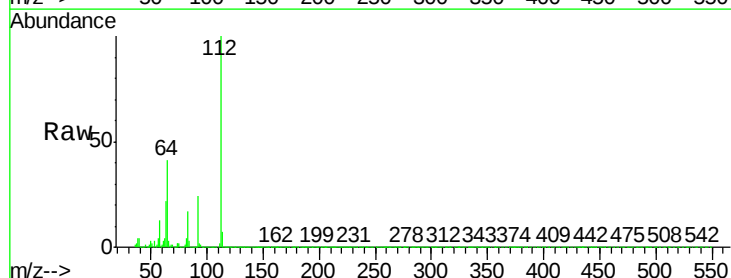
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.8	185.6
115	56.2	43.8	65.6

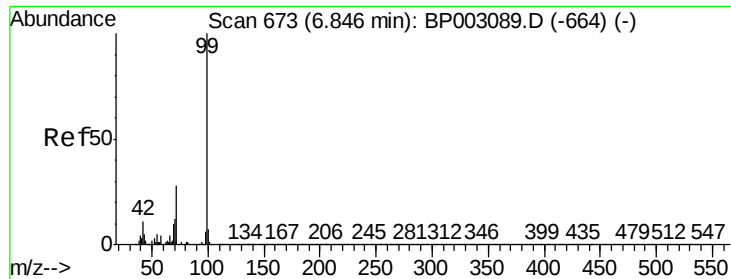


#5

2-Fluorophenol
Concen: 56.665 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.4	32.8	49.2
63	22.3	17.0	25.4





#7

Phenol-d6

Concen: 54.089 ng

RT: 6.85 min Scan# 673

Delta R.T. 0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

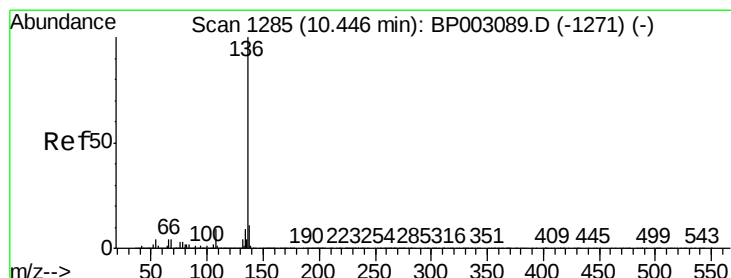
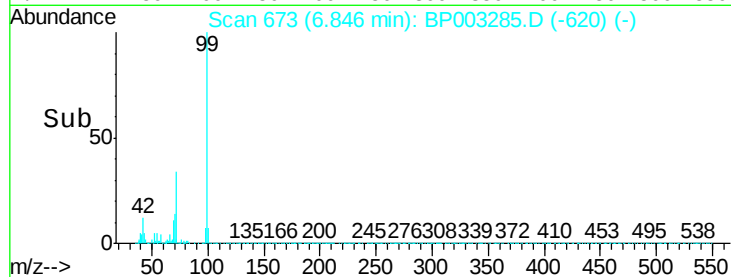
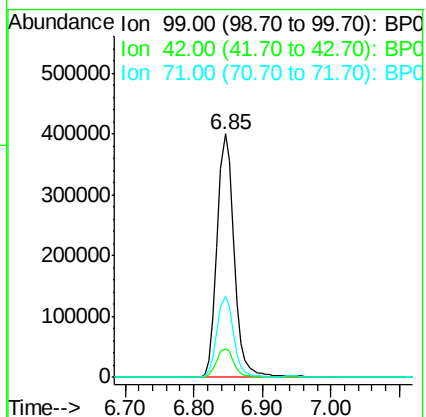
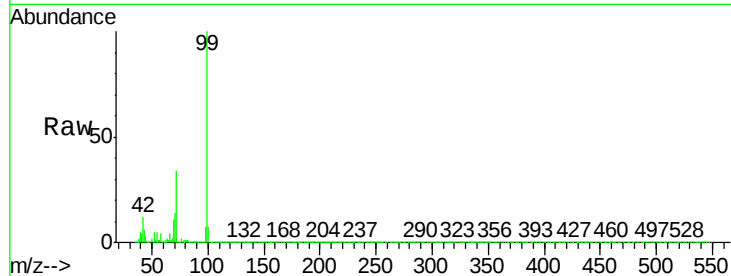
Tot Ion: 99 Resp: 692754

Ion Ratio Lower Upper

99 100

42 11.7 8.6 13.0

71 33.6 23.4 35.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Tgt Ion: 136 Resp: 684734

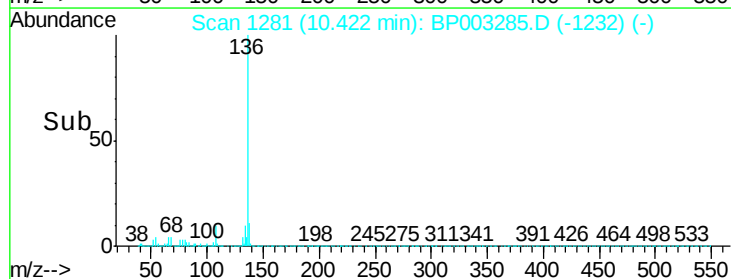
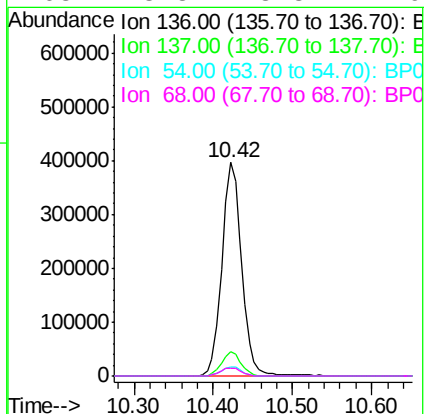
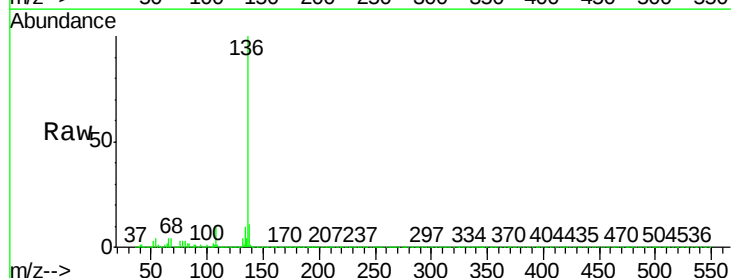
Ion Ratio Lower Upper

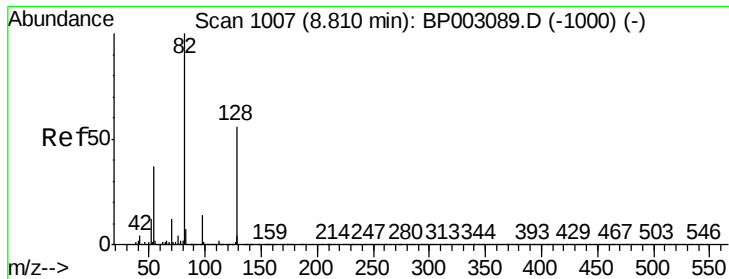
136 100

137 11.2 8.6 13.0

54 4.3 3.6 5.4

68 3.8 3.3 4.9

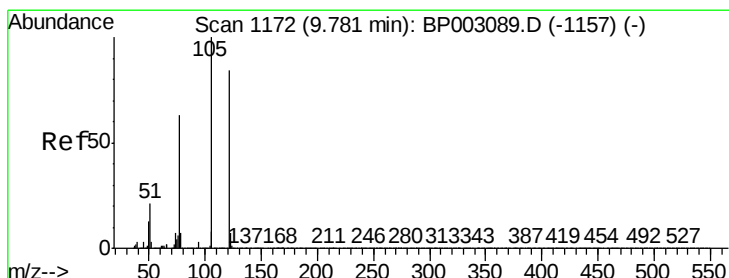
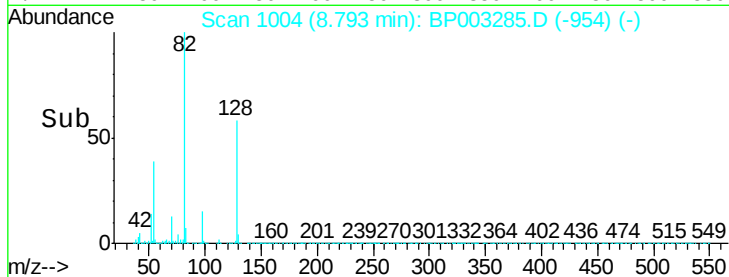
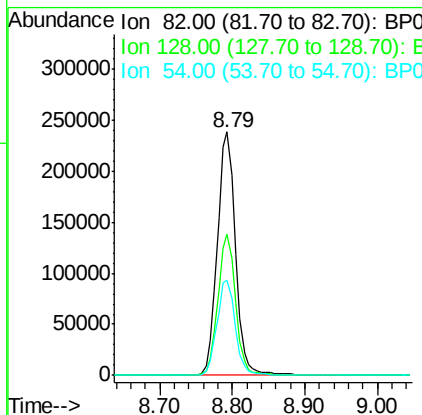
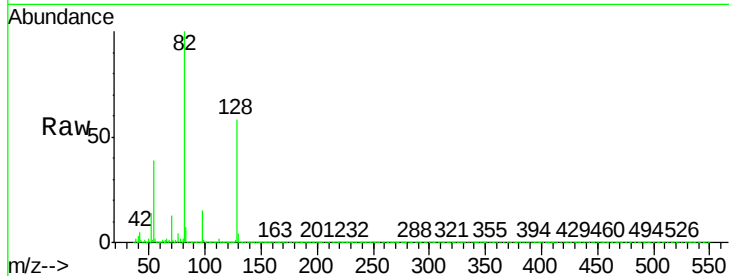




#23
 Nitrobenzene-d5
 Concen: 43.767 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

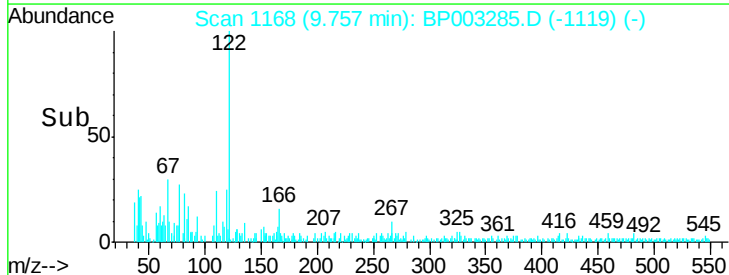
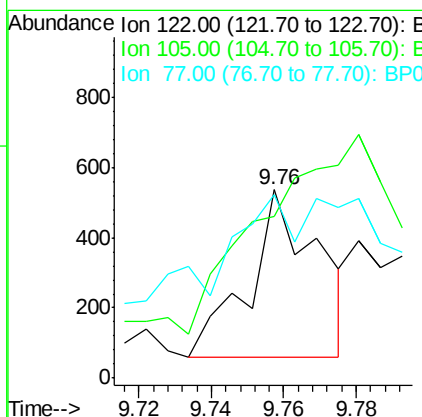
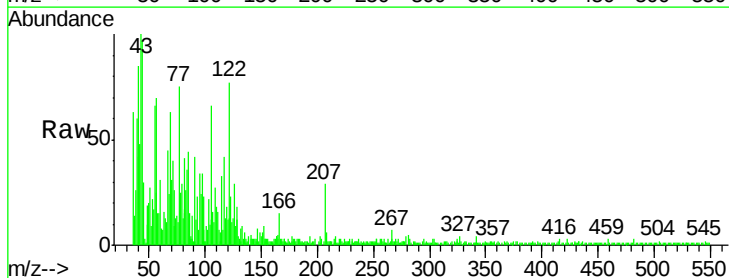
Instrument :
 BNA_P
 ClientSampleId :
 B19-0-2

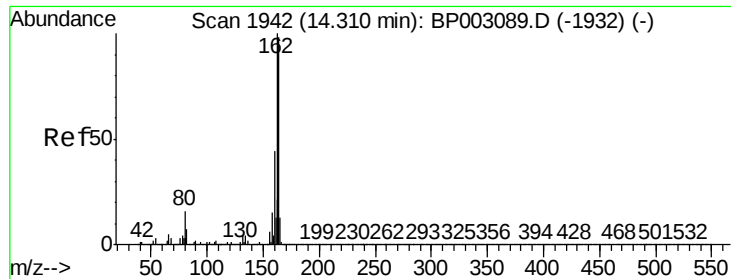
Tot Ion: 82 Resp: 415712
 Ion Ratio Lower Upper
 82 100
 128 57.9 45.6 68.4
 54 39.1 30.1 45.1



#32
 Benzoic acid
 Concen: 9.076 ng
 RT: 9.76 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

Tgt Ion: 122 Resp: 633
 Ion Ratio Lower Upper
 122 100
 105 85.7 94.1 134.1#
 77 97.2 50.1 90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

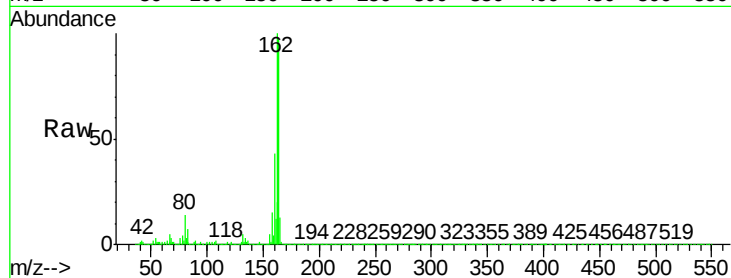
Tot Ion:164 Resp: 381232

Ion Ratio Lower Upper

164 100

162 103.5 79.4 119.2

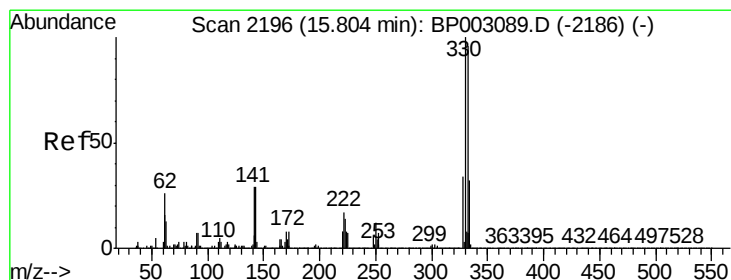
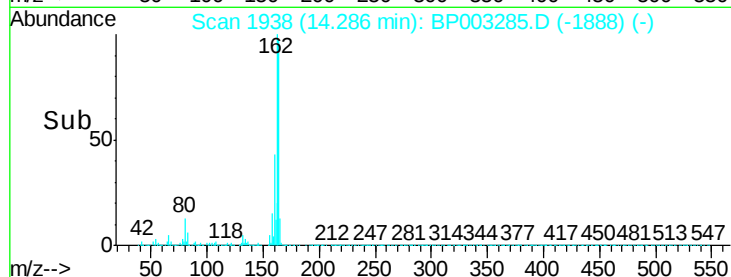
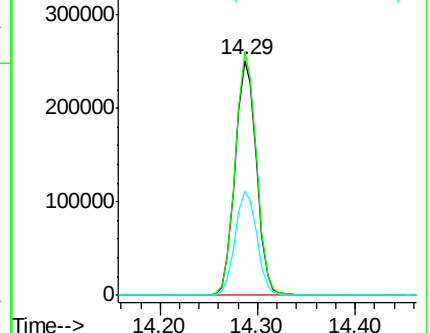
160 44.3 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 64.780 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

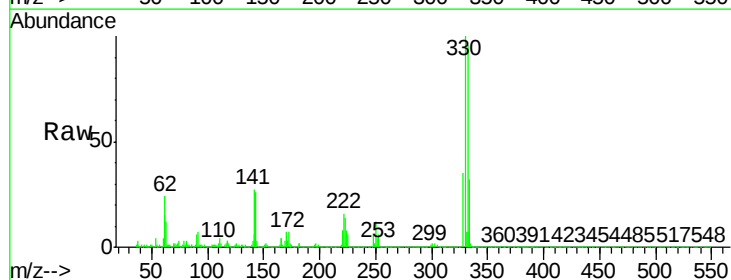
Tgt Ion:330 Resp: 334009

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

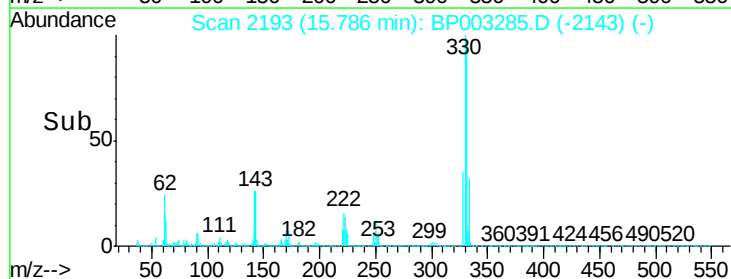
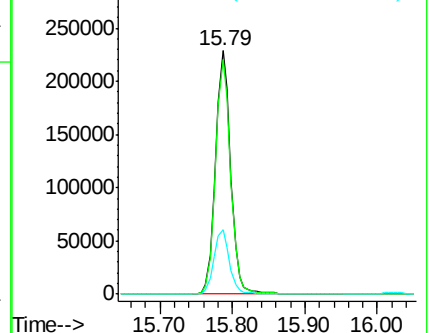
141 26.4 23.4 35.2

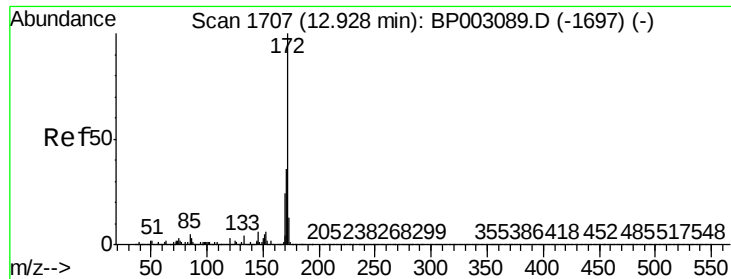


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

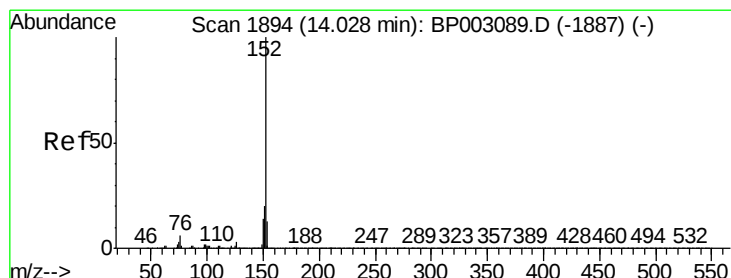
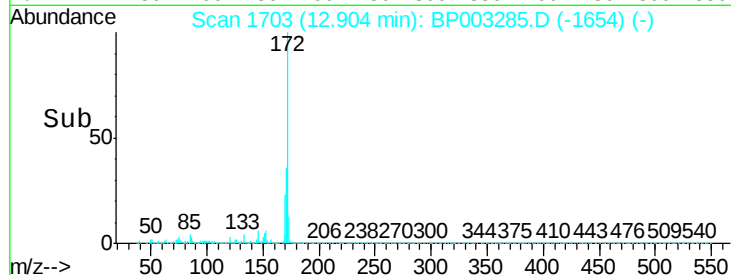
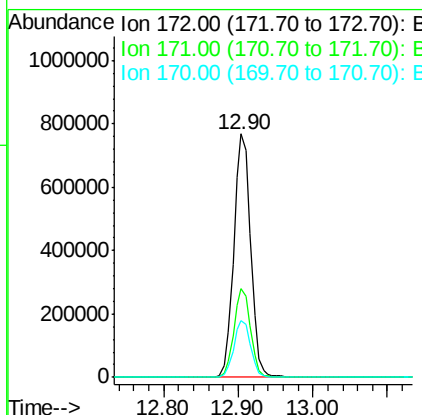
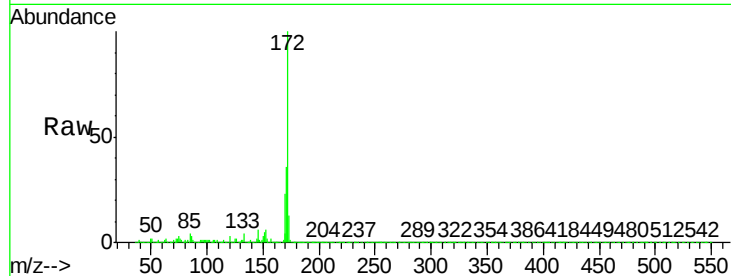




#45
2-Fluorobiphenyl
Concen: 46.677 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

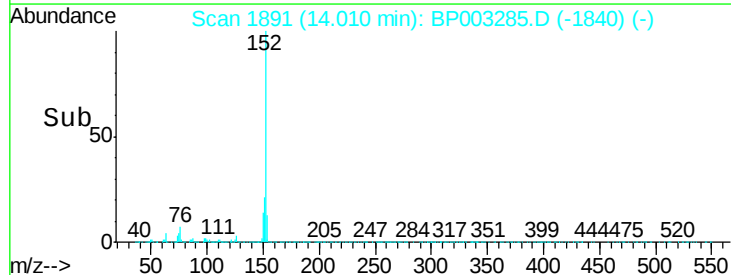
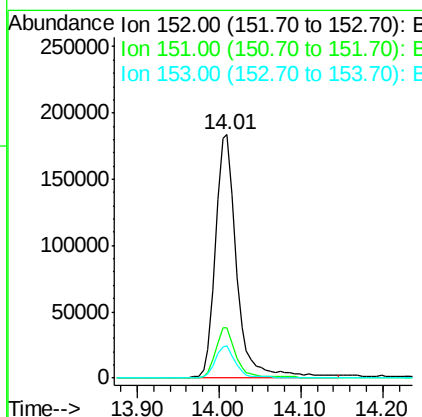
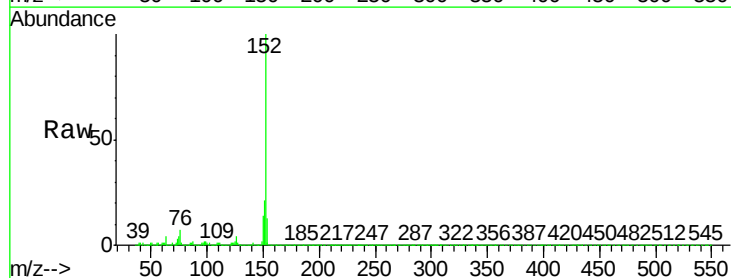
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B19-0-2

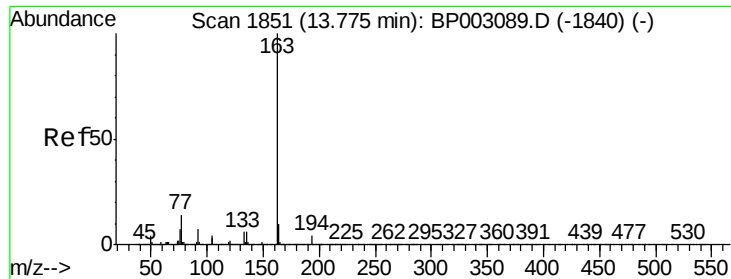
Tot Ion:172 Resp: 1215104
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 23.3 19.2 28.8



#49
Acenaphthylene
Concen: 9.326 ng
RT: 14.01 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion:152 Resp: 330097
Ion Ratio Lower Upper
152 100
151 20.6 15.9 23.9
153 13.1 10.5 15.7

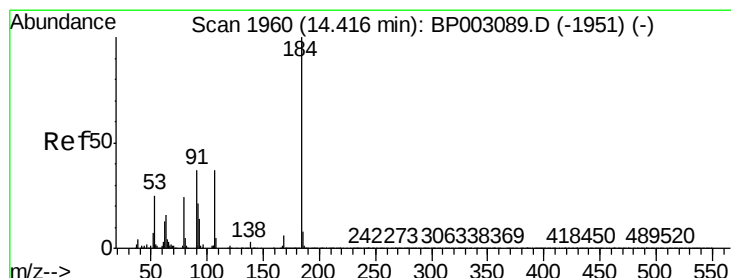
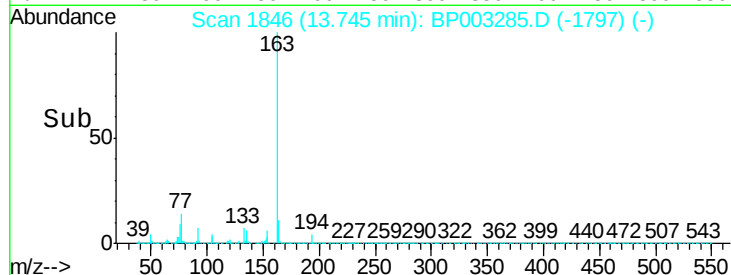
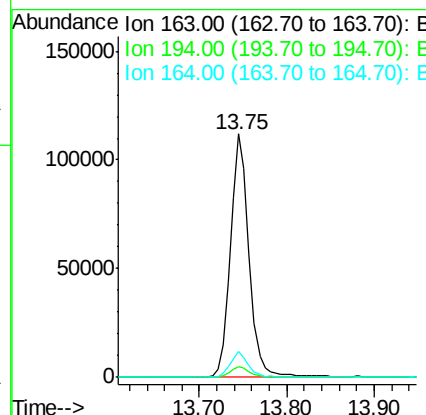
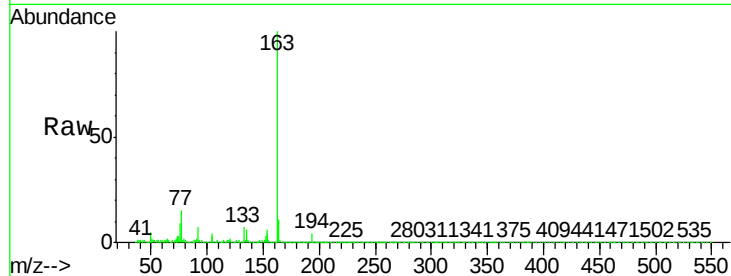




#50
Dimethylphthalate
Concen: 5.575 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

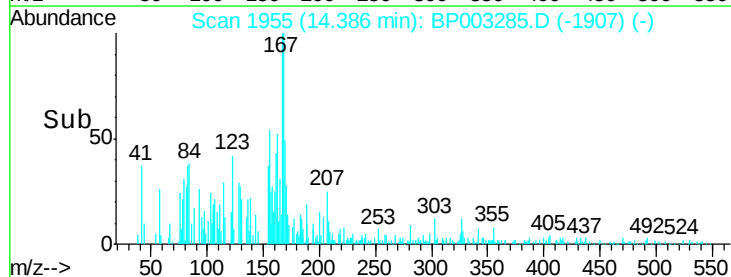
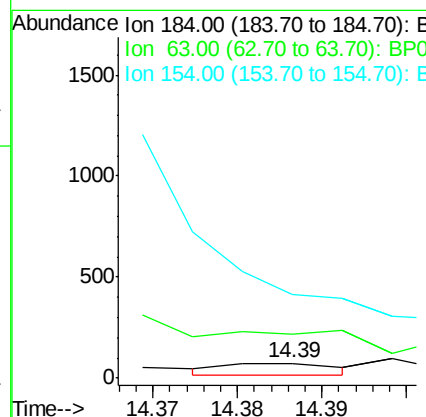
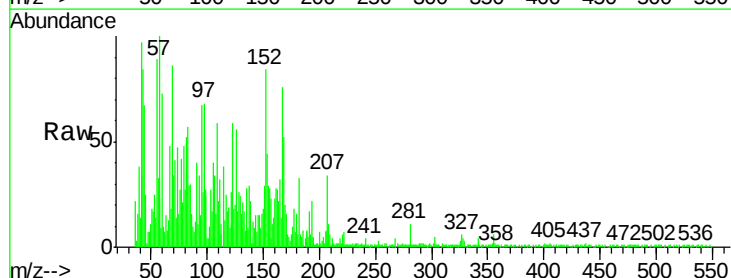
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BNA_P
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B19-0-2

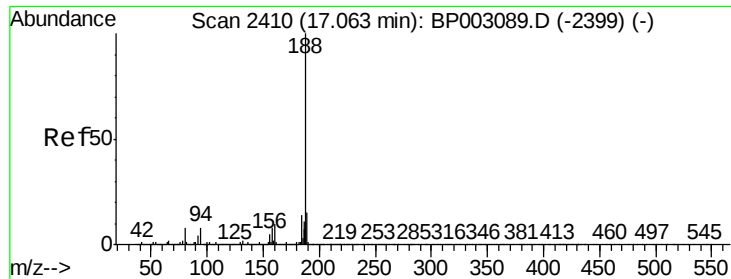
Tot Ion:163 Resp: 162071
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.7 8.2 12.2



#54
2,4-Dinitrophenol
Concen: 7.770 ng
RT: 14.39 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 291.9 32.3 48.5#
154 558.1 49.1 73.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

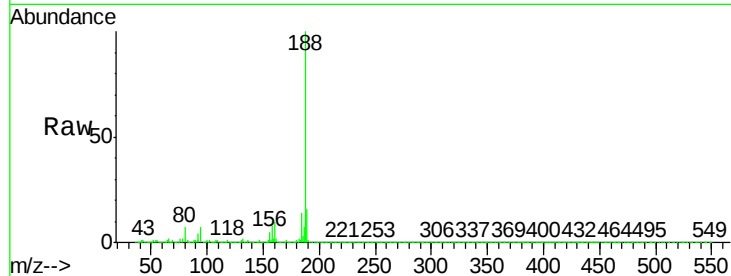
Tot Ion:188 Resp: 693984

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.2

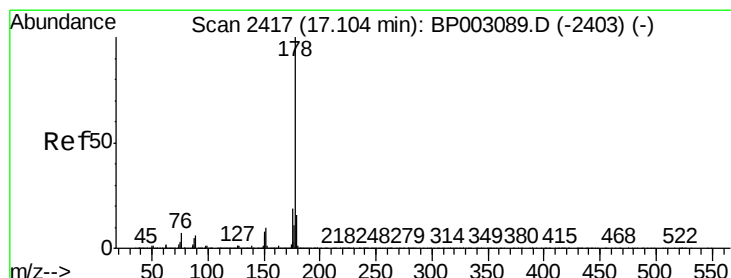
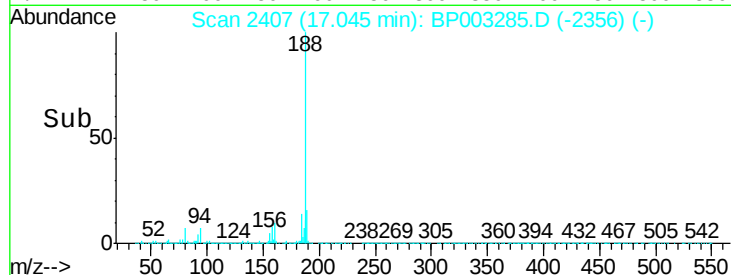
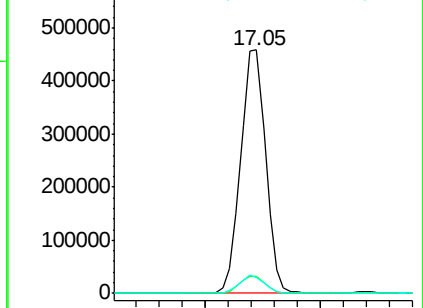
80 6.7 6.2 9.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#71

Phenanthrene

Concen: 7.979 ng

RT: 17.09 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

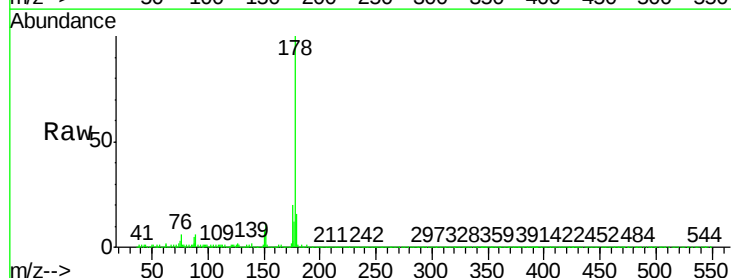
Tgt Ion:178 Resp: 300058

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

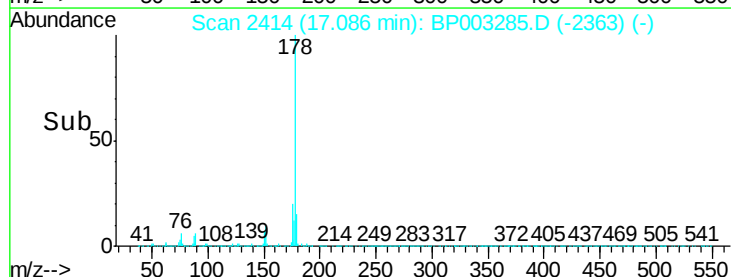
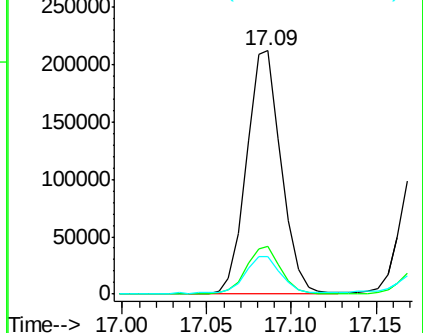
179 15.7 12.5 18.7

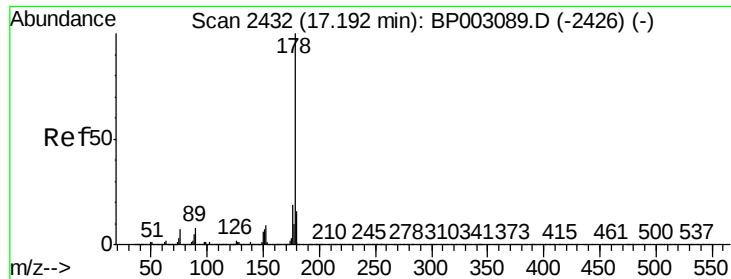


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.358 ng

RT: 17.17 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

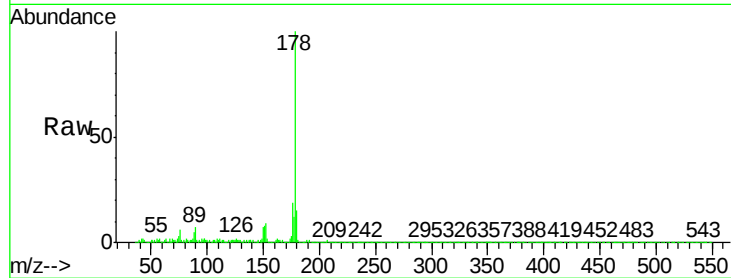
Tot Ion:178 Resp: 192821

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

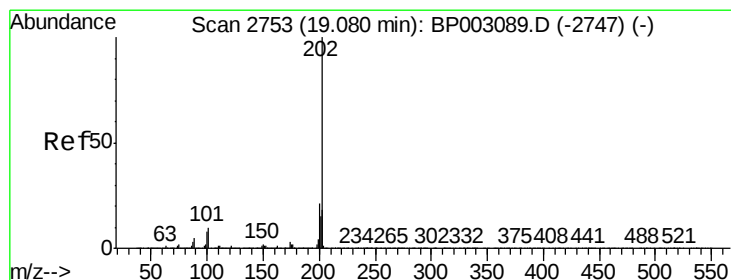
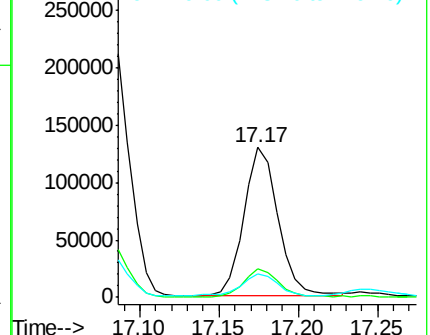
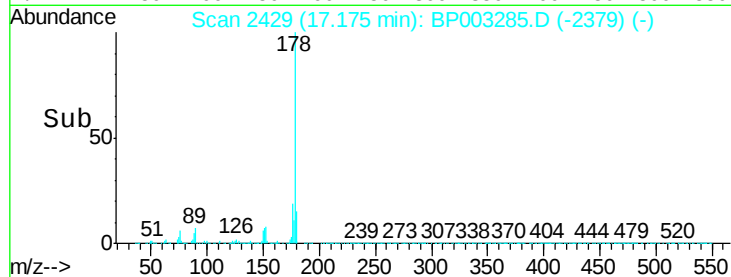
179 15.5 12.5 18.7



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



#75

Fluoranthene

Concen: 20.066 ng

RT: 19.06 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

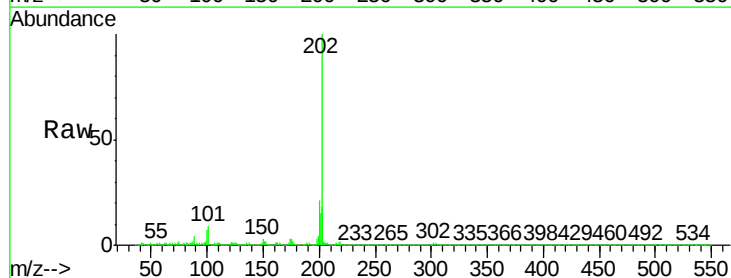
Tgt Ion:202 Resp: 872123

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.4

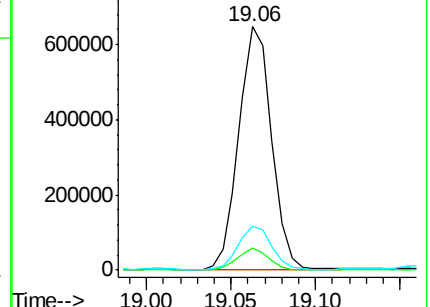
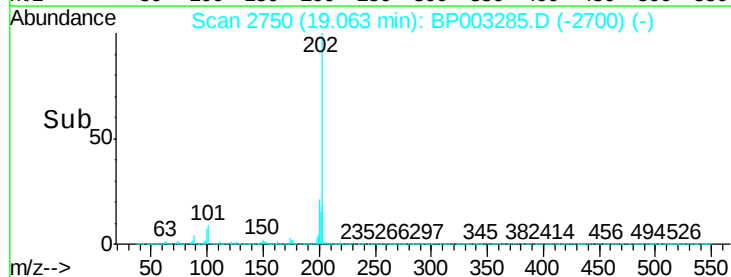
203 17.9 0.0 37.8

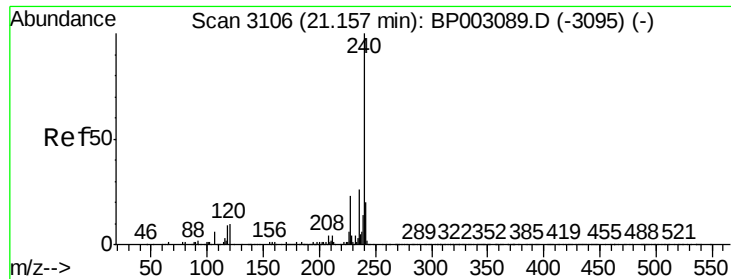


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

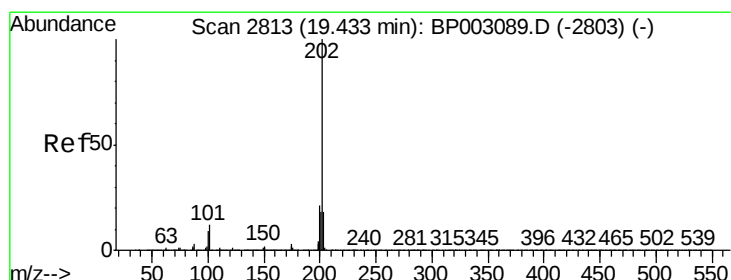
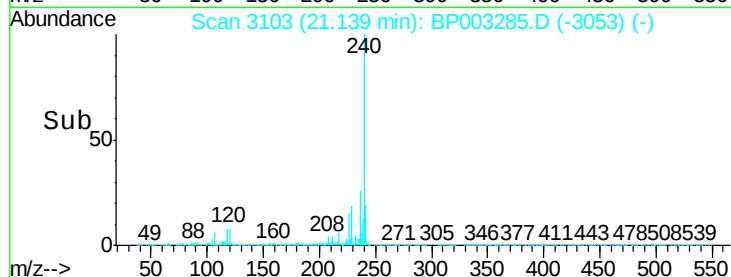
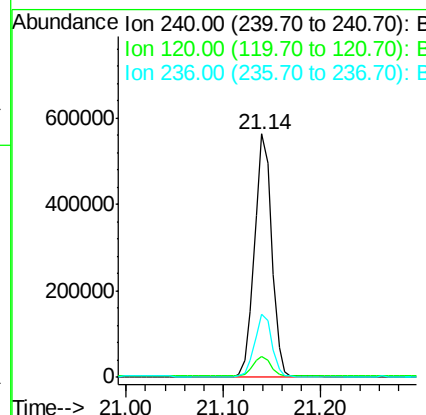
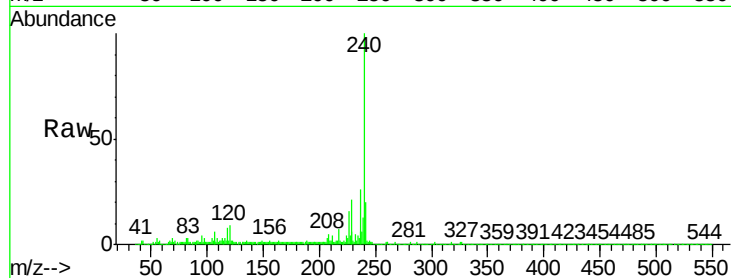




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

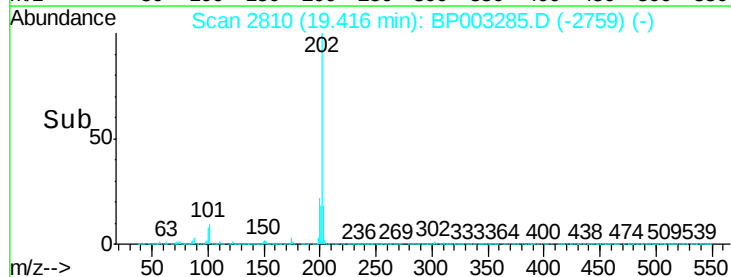
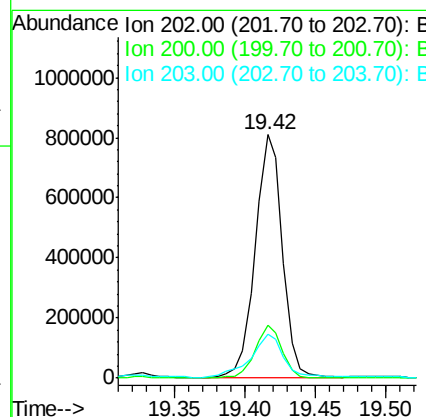
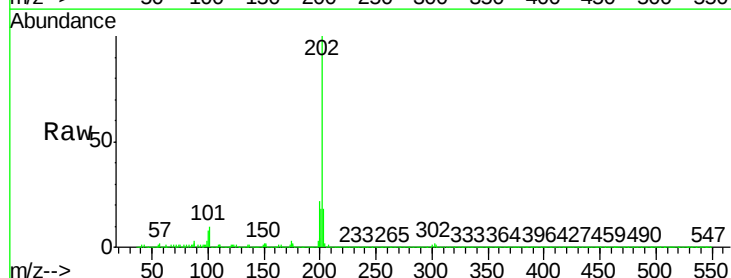
Instrument :
BNA_P
ClientSampleId :
B19-0-2

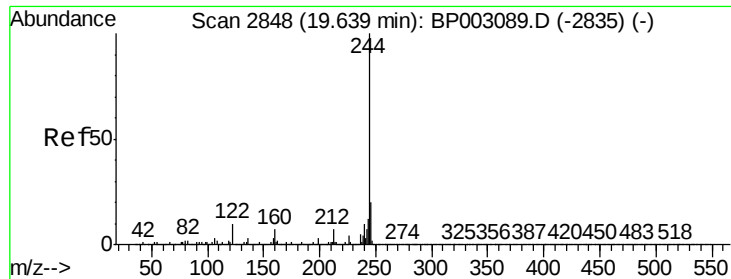
Tot Ion:240 Resp: 687090
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.6
236 25.8 20.8 31.2



#78
Pyrene
Concen: 24.403 ng
RT: 19.42 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion:202 Resp: 1088212
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 18.0 14.2 21.2

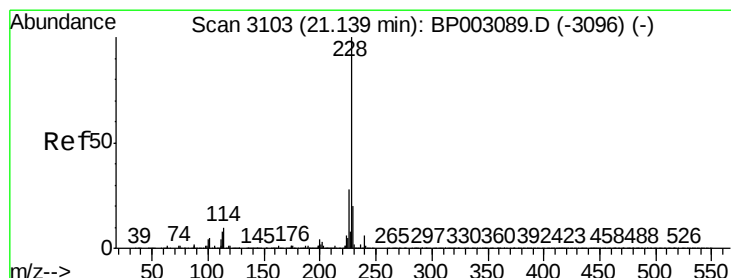
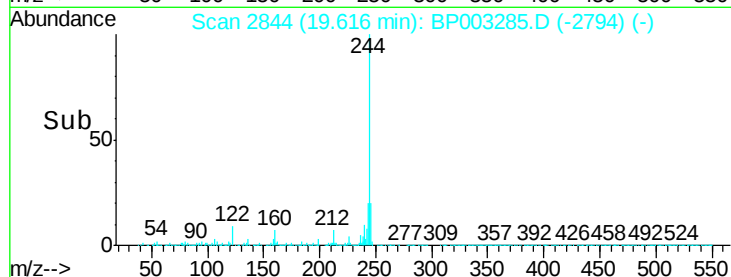
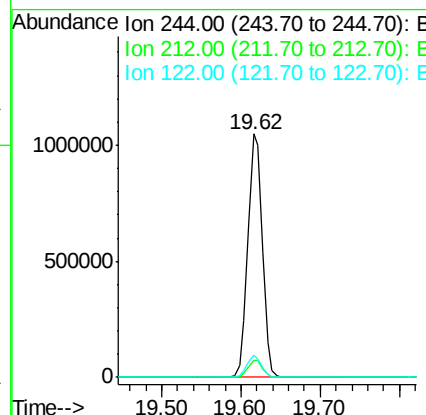
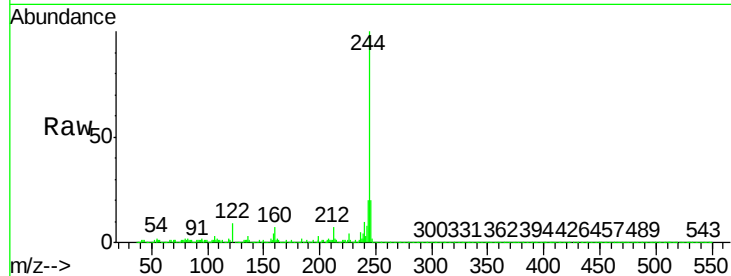




#79
 Terphenyl-d14
 Concen: 42.479 ng
 RT: 19.62 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

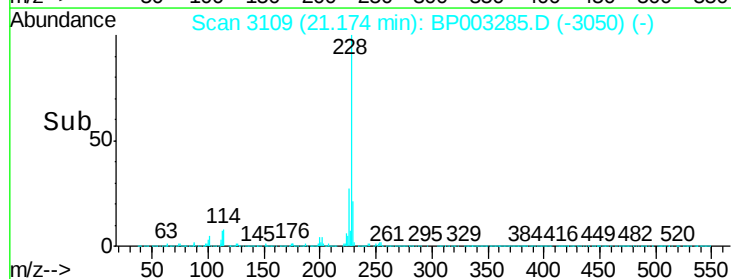
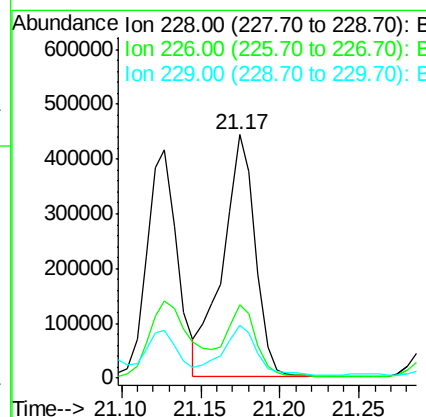
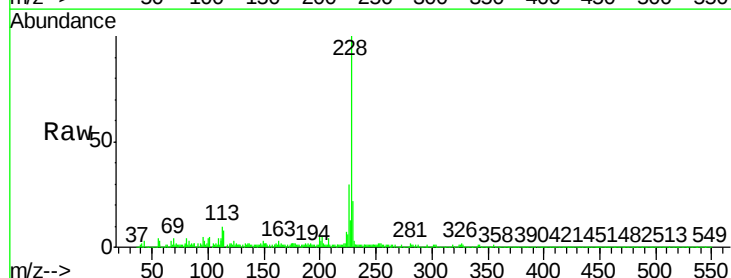
Instrument :
 BNA_P
 ClientSampled :
 B19-0-2

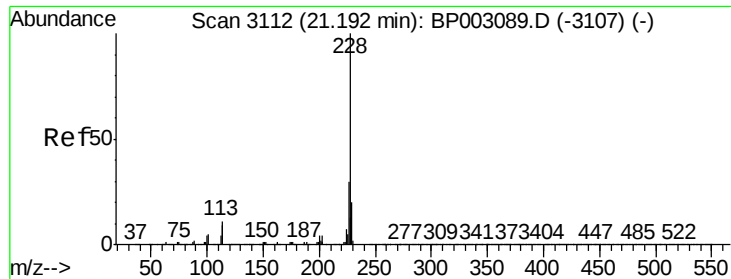
Tot Ion:244 Resp: 1326429
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.9 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 14.604 ng
 RT: 21.17 min Scan# 3109
 Delta R.T. 0.05 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

Tgt Ion:228 Resp: 628545
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.1 33.1
 229 21.9 15.9 23.9





#83

Chrysene

Concen: 15.253 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

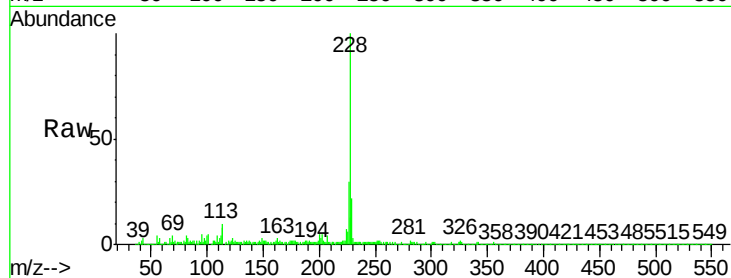
BNA_P

ClientSampleId :

B19-0-2

Tot Ion:228 Resp: 628545

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	21.9	15.8	23.6

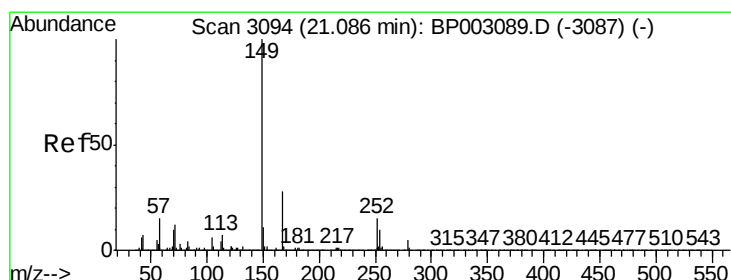
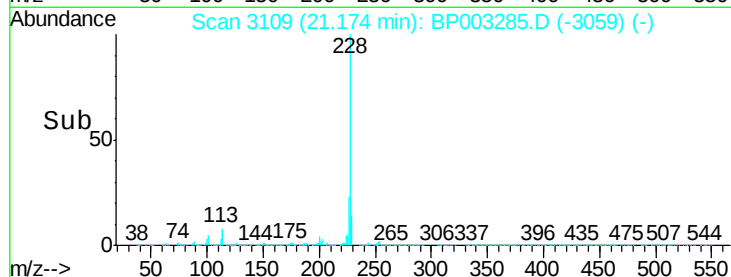
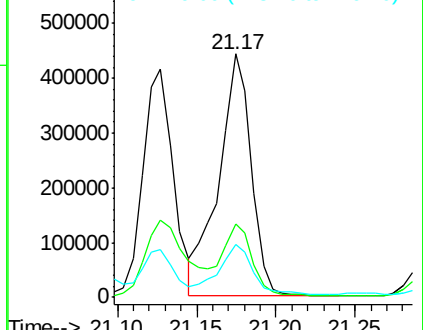


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.567 ng

RT: 21.06 min Scan# 3090

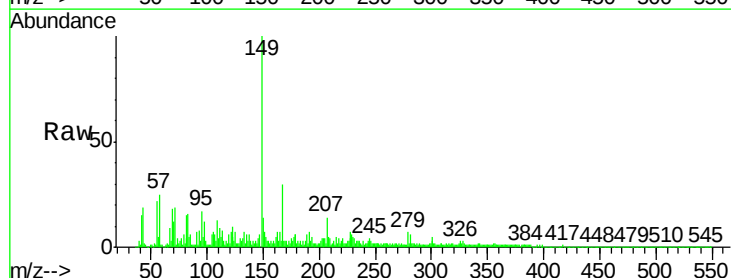
Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Tgt Ion:149 Resp: 121096

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.6	34.0
279	6.7	4.2	6.2#

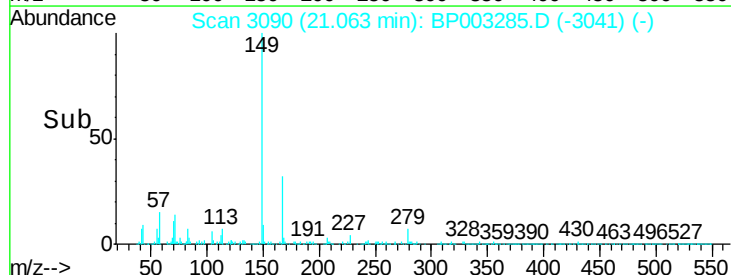
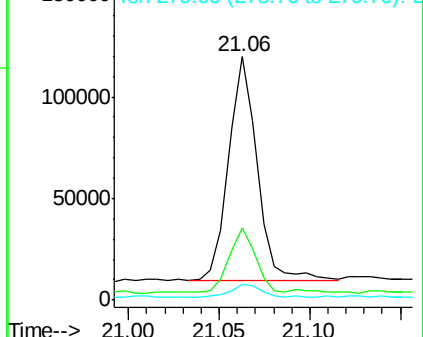


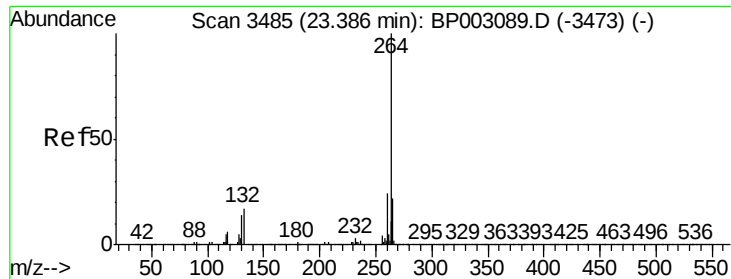
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

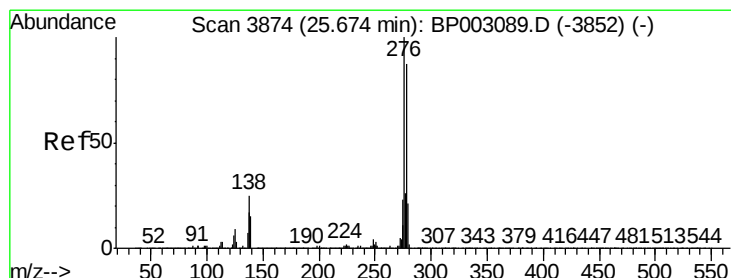
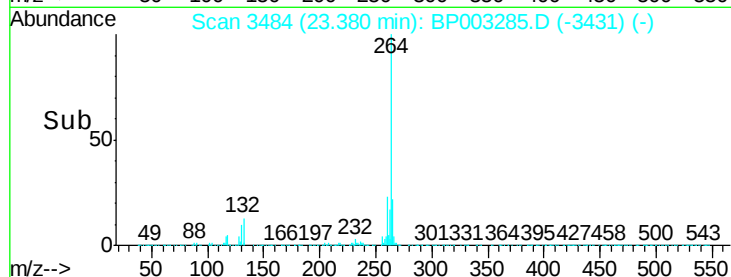
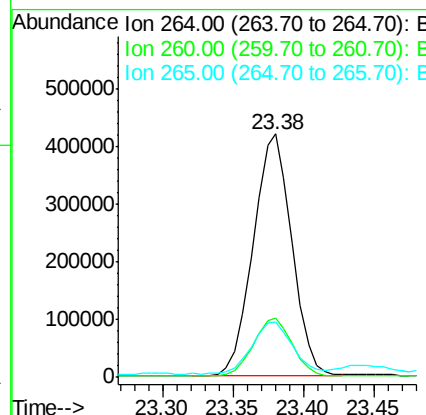
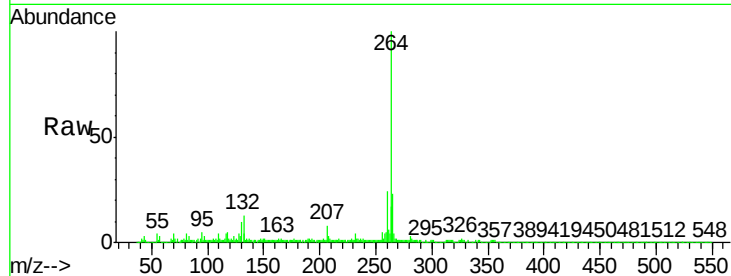




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

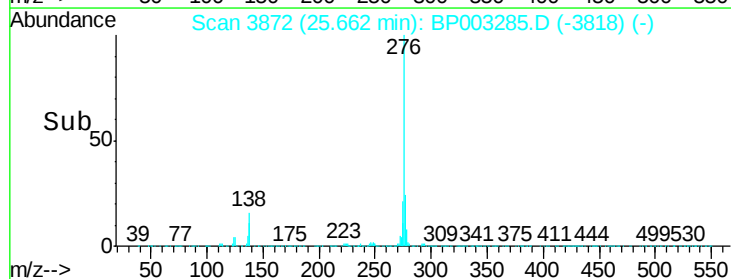
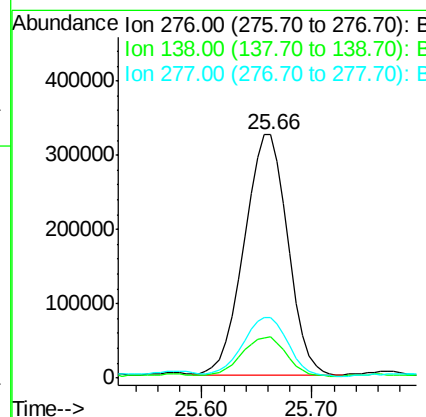
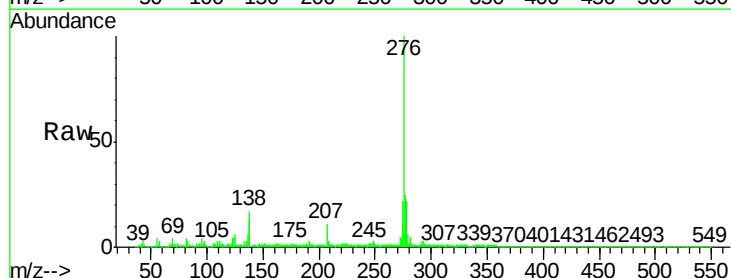
Instrument :
BNA_P
ClientSampled :
B19-0-2

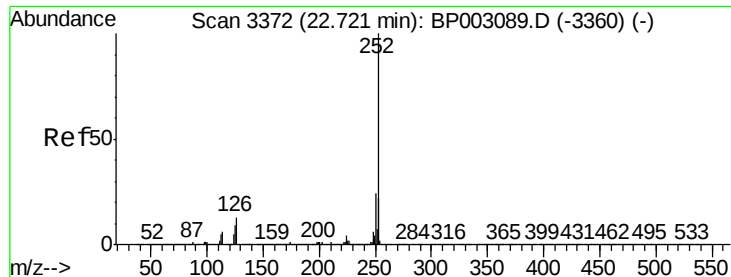
Tot Ion:264 Resp: 804325
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.8 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.913 ng
RT: 25.66 min Scan# 3872
Delta R.T. 0.02 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion:276 Resp: 894514
Ion Ratio Lower Upper
276 100
138 16.7 18.7 28.1#
277 25.2 20.4 30.6

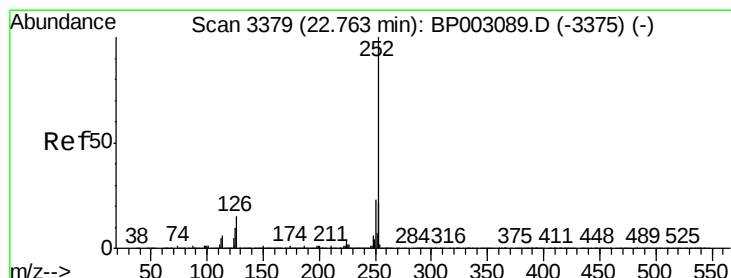
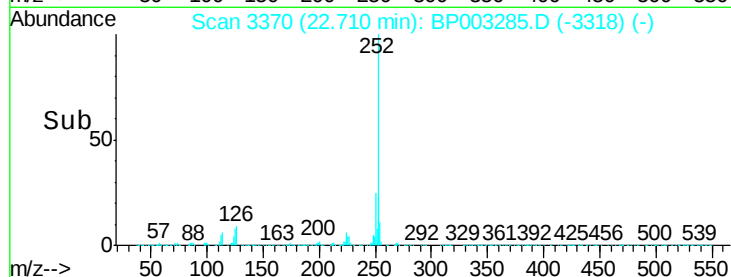
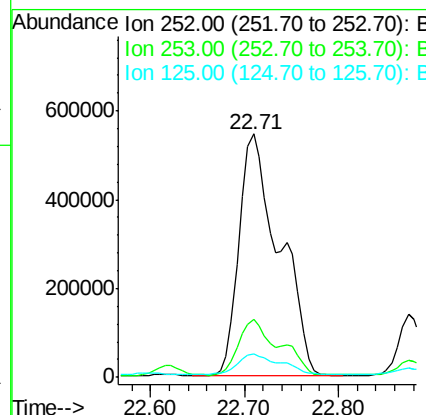
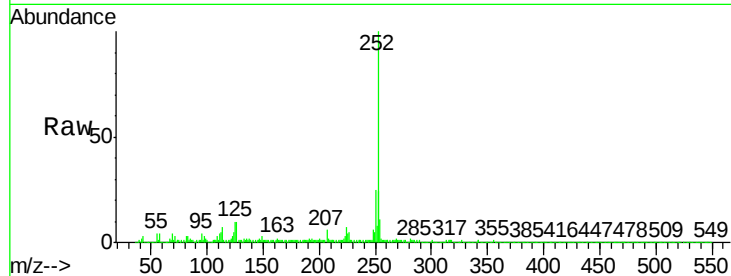




#88
Benzo(b)fluoranthene
Concen: 32.378 ng
RT: 22.71 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

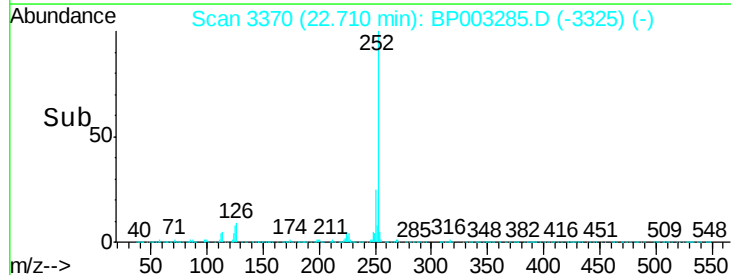
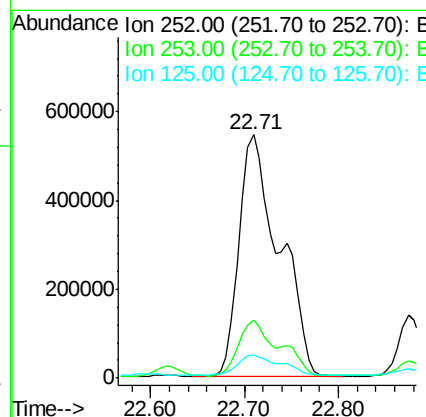
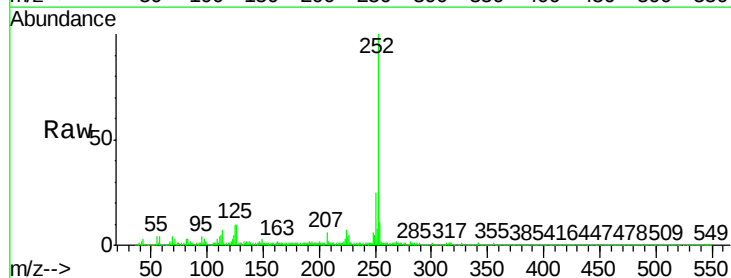
Instrument :
BNA_P
ClientSampleId :
B19-0-2

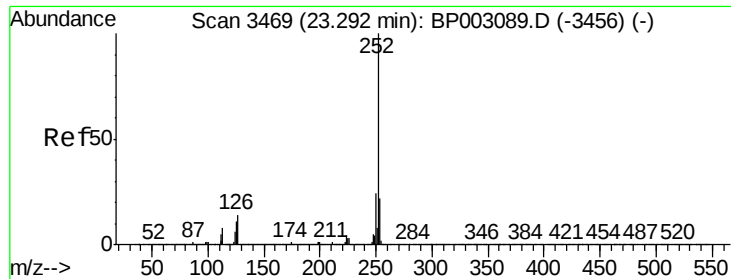
Tot Ion:252 Resp: 1618614
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 9.5 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 33.888 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.04 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion:252 Resp: 1618614
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 9.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 19.432 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

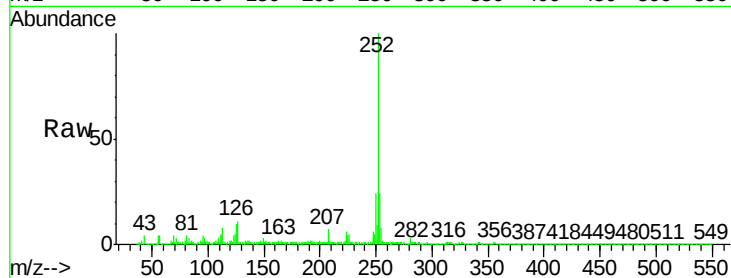
Tot Ion:252 Resp: 901208

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

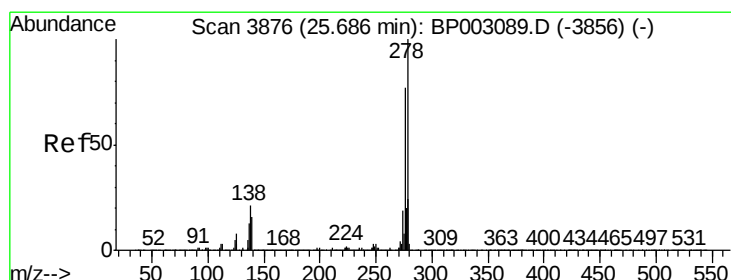
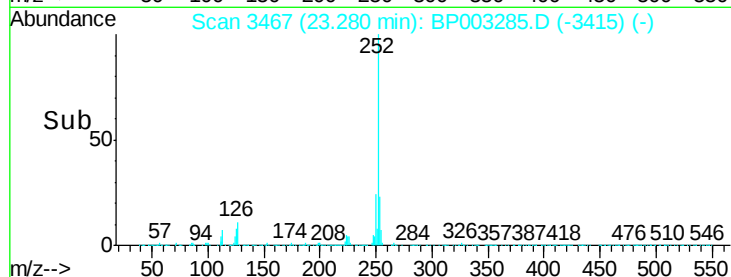
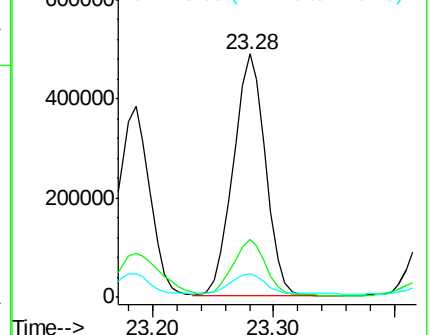
125 9.8 8.2 12.4



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



#91

Dibenzo(a,h)anthracene

Concen: 4.448 ng

RT: 25.66 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

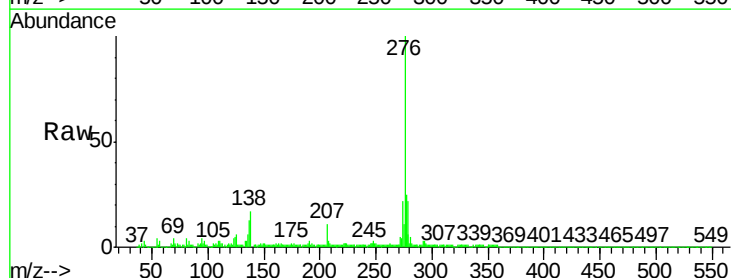
Tgt Ion:278 Resp: 219194

Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

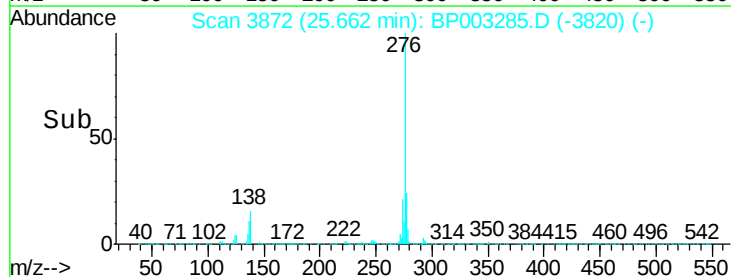
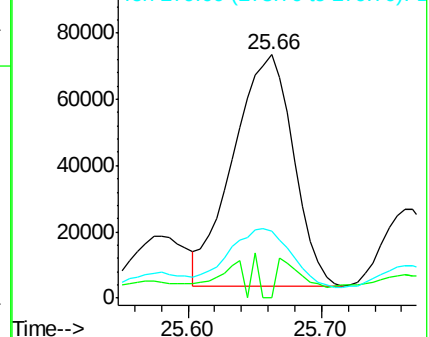
279 27.3 19.0 28.6

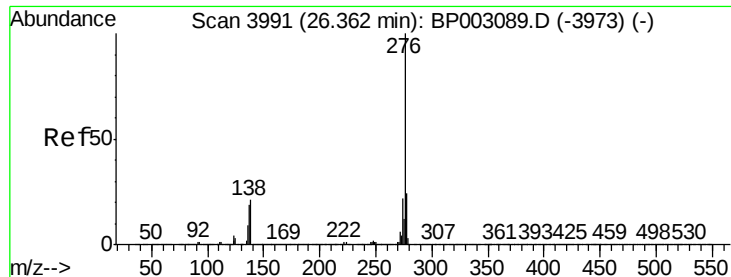


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 22.194 ng

RT: 26.36 min Scan# 3990

Delta R.T. 0.02 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

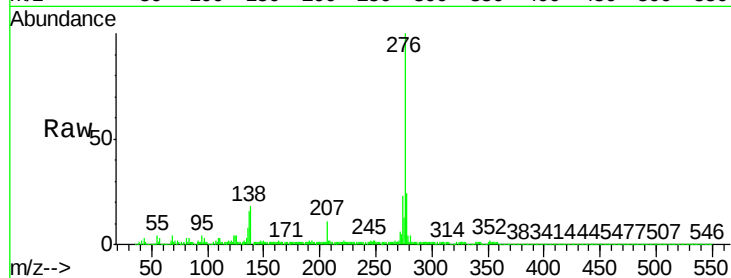
Tot Ion:276 Resp: 1097473

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 17.6 16.6 24.8



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

