

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
 Data File : BP001513.D
 Acq On : 03 Jan 2020 18:24
 Operator : JU
 Sample : K6471-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-0-2-COMP-B5

Quant Time: Jan 04 03:16:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 15:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	77863	20.00	ng	0.00
21) Naphthalene-d8	10.48	136	285810	20.00	ng	0.00
39) Acenaphthene-d10	14.35	164	171837	20.00	ng	0.00
64) Phenanthrene-d10	17.10	188	370514	20.00	ng	0.00
76) Chrysene-d12	21.20	240	323590	20.00	ng	0.00
87) Perylene-d12	23.46	264	347877	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	449189	96.92	ng	0.04
7) Phenol-d6	6.93	99	601878	96.42	ng	0.05
23) Nitrobenzene-d5	8.86	82	349905	60.47	ng	0.01
42) 2,4,6-Tribromophenol	15.85	330	170613	87.73	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	679300	58.13	ng	0.00
79) Terphenyl-d14	19.69	244	877713	54.06	ng	0.00

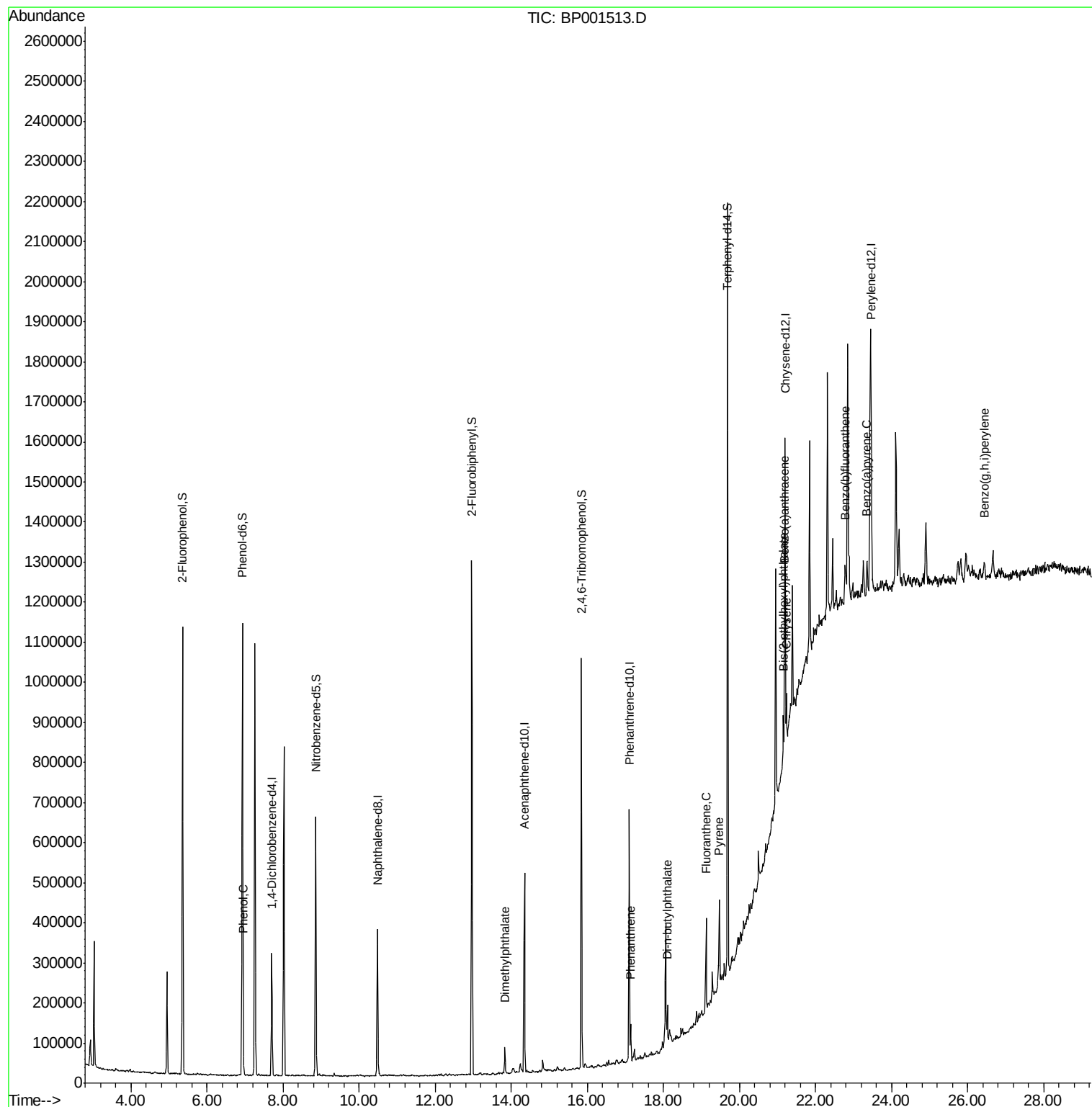
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.95	94	18717	2.850	ng	94
50) Dimethylphthalate	13.83	163	38002	2.829	ng	99
71) Phenanthrene	17.15	178	54836	2.729	ng	98
74) Di-n-butylphthalate	18.10	149	48869	2.089	ng	97
75) Fluoranthene	19.12	202	134611	5.533	ng	98
78) Pyrene	19.47	202	130507	5.558	ng	99
81) Benzo(a)anthracene	21.18	228	64933	2.860	ng	98
83) Chrysene	21.23	228	68745	3.158	ng	99
84) Bis(2-ethylhexyl)phthalate	21.16	149	42130	2.846	ng	# 97
88) Benzo(b)fluoranthene	22.78	252	86835	4.031	ng	# 83
90) Benzo(a)pyrene	23.36	252	63853	3.167	ng	# 85
92) Benzo(a,h,i)perylene	26.43	276	46326	2.318	ng	# 89

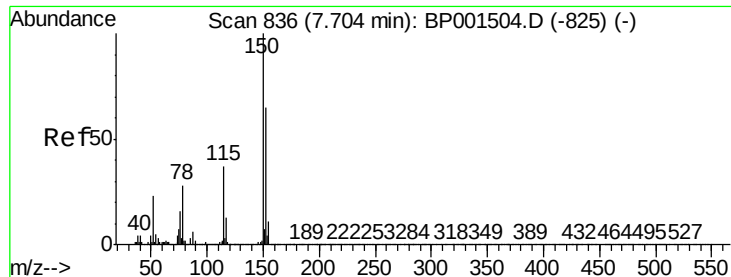
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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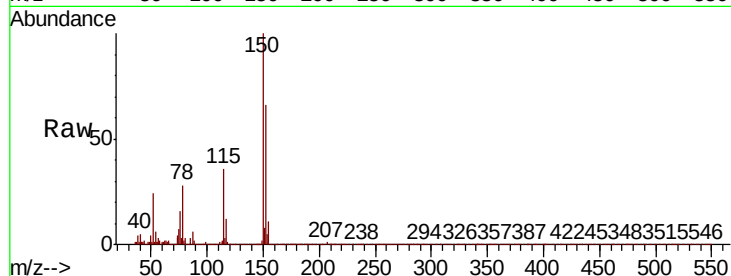


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 835
Delta R.T. -0.01 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B5

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	123.6	185.4
115	54.9	45.8	68.6

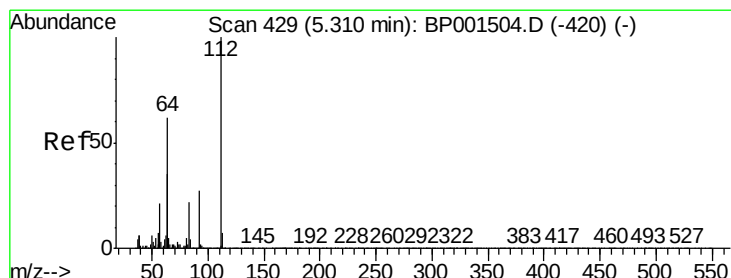
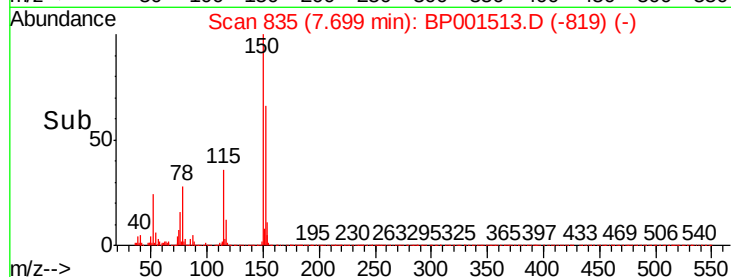
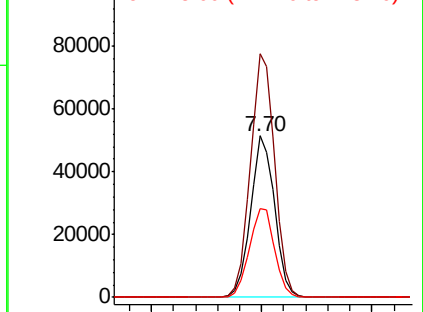


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

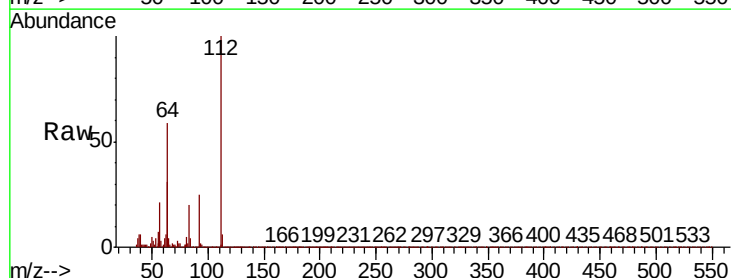
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.919 ng
RT: 5.35 min Scan# 436
Delta R.T. 0.04 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.7	74.5
63	31.4	28.1	42.1

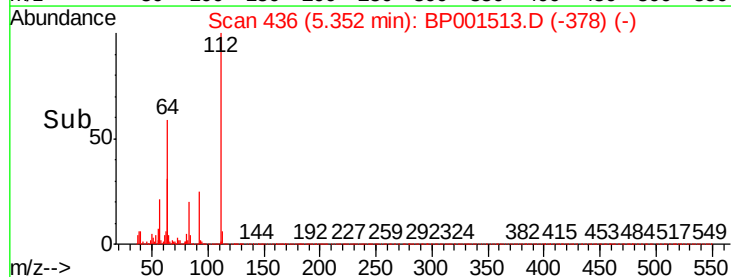
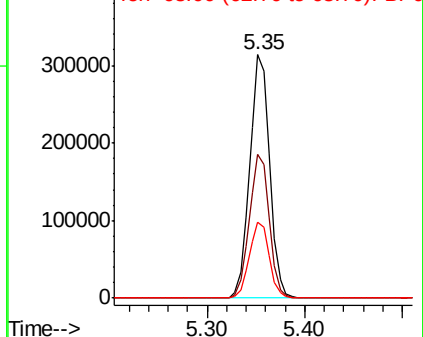


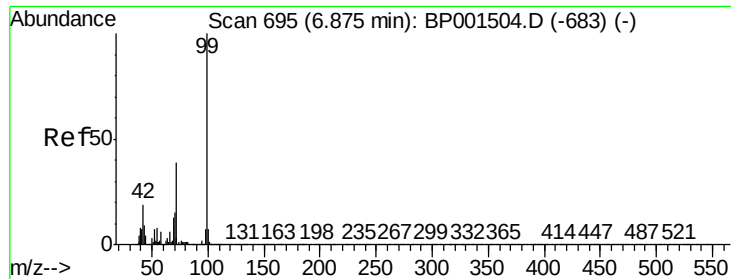
Abundance

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: 96.416 ng

RT: 6.93 min Scan# 704

Delta R.T. 0.05 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

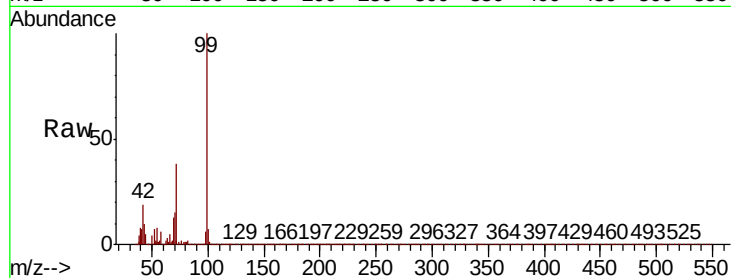
Tot Ion: 99 Resp: 601878

Ion Ratio Lower Upper

99 100

42 19.4 15.3 22.9

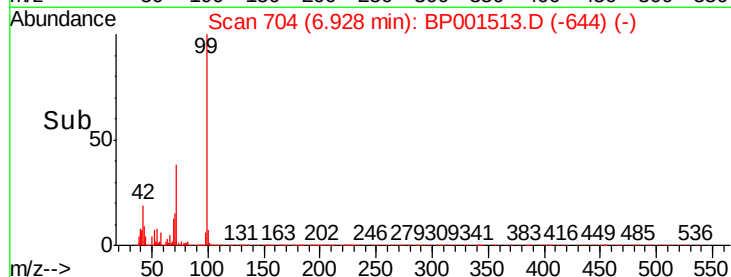
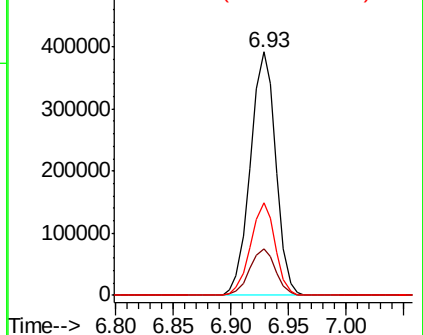
71 38.0 30.9 46.3



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



#10

Phenol

Concen: 2.850 ng

RT: 6.95 min Scan# 708

Delta R.T. 0.05 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

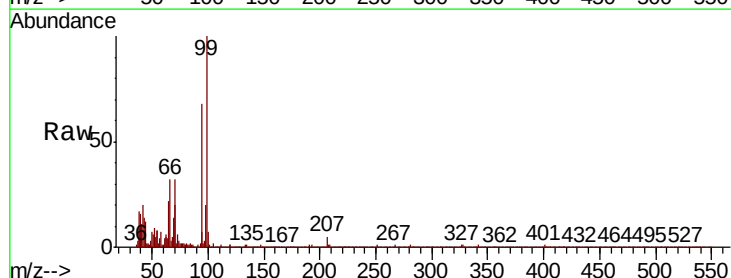
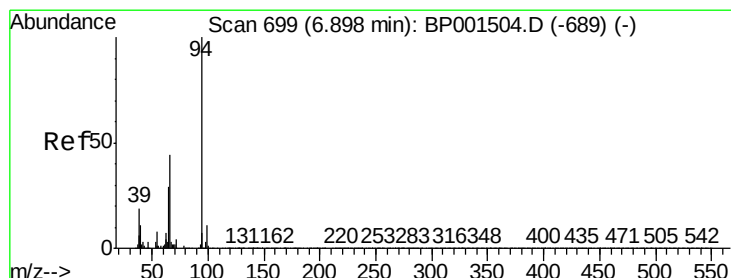
Tgt Ion: 94 Resp: 18717

Ion Ratio Lower Upper

94 100

65 31.9 9.2 49.2

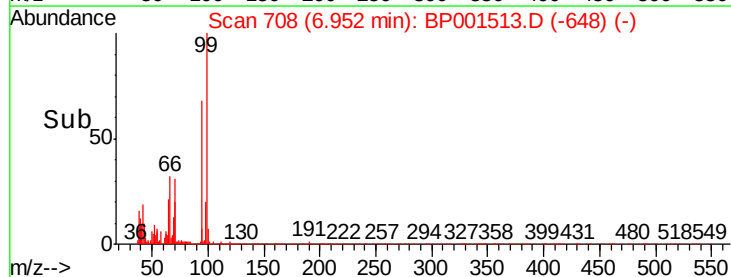
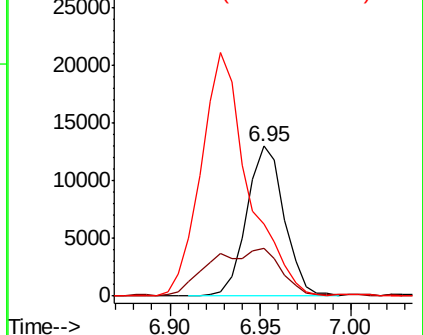
66 48.0 23.8 63.8

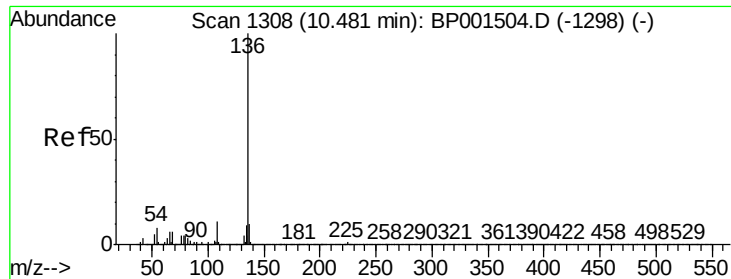


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

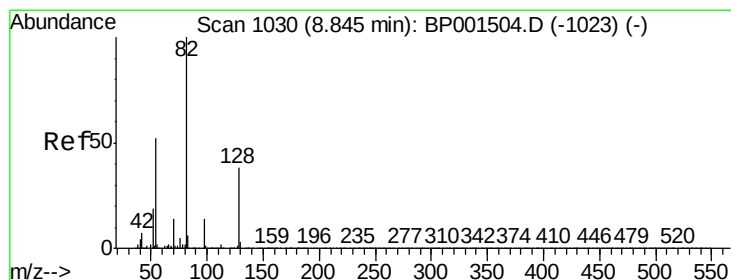
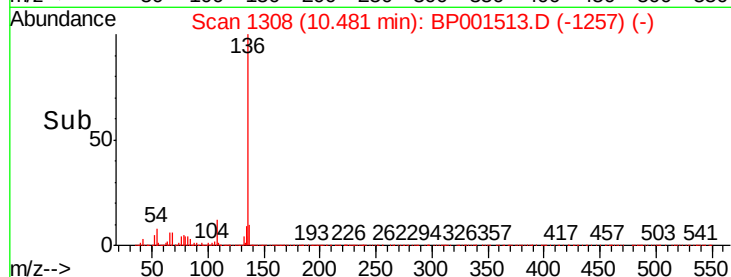
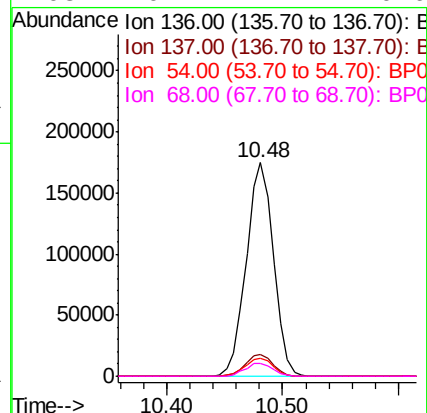
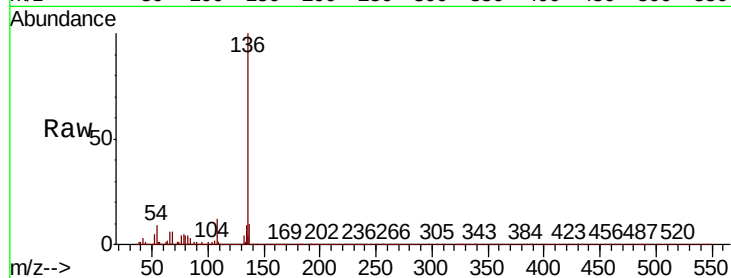




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

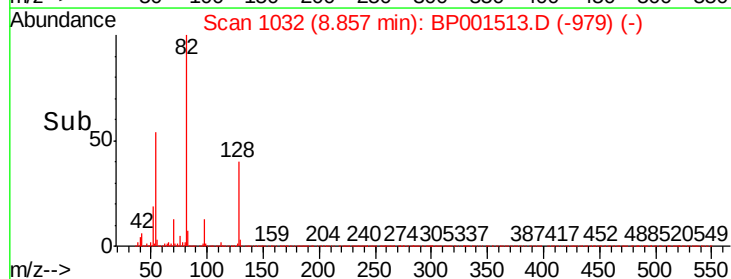
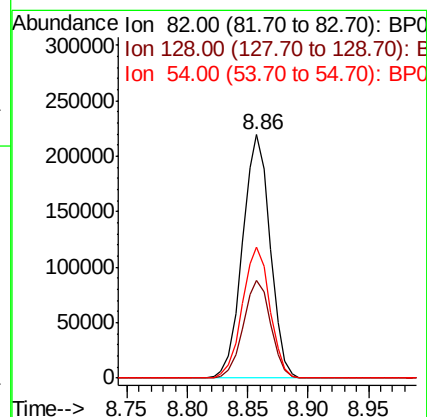
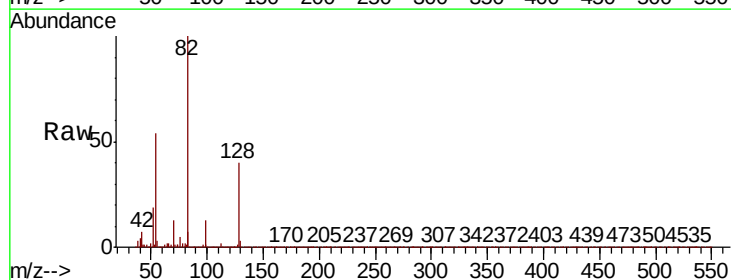
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B5

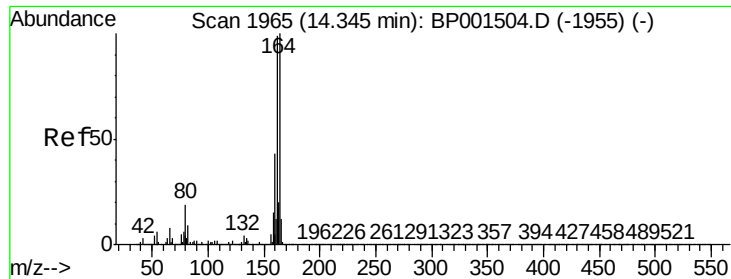
Tot Ion:136	Resp:	285810
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.3	12.5
54 8.5	6.7	10.1
68 6.1	4.4	6.6



#23
Nitrobenzene-d5
Concen: 60.468 ng
RT: 8.86 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

Tgt	Ion: 82	Resp:	349905
Ion	Ratio	Lower	Upper
82	100		
128	40.3	30.1	45.1
54	53.6	41.8	62.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.35 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

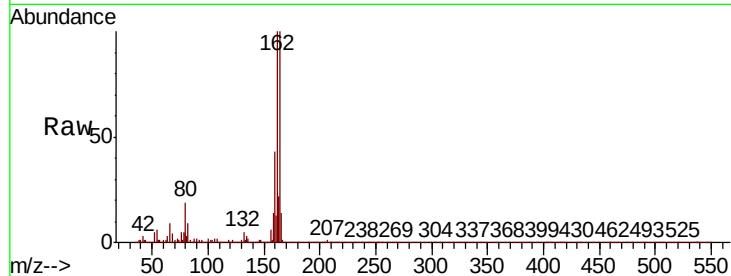
Tot Ion:164 Resp: 171837

Ion Ratio Lower Upper

164 100

162 100.0 79.2 118.8

160 43.4 34.6 52.0

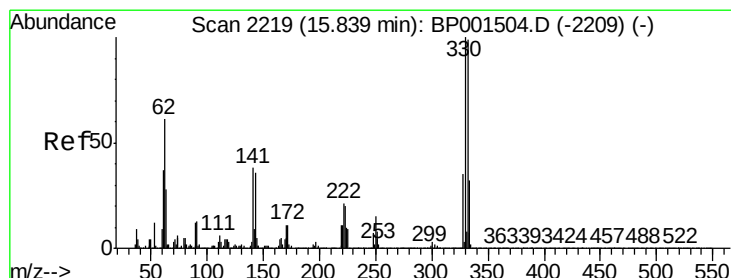
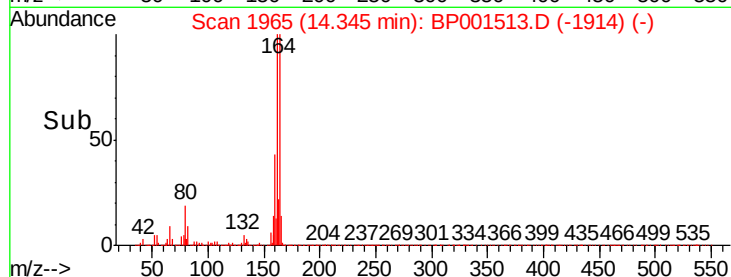
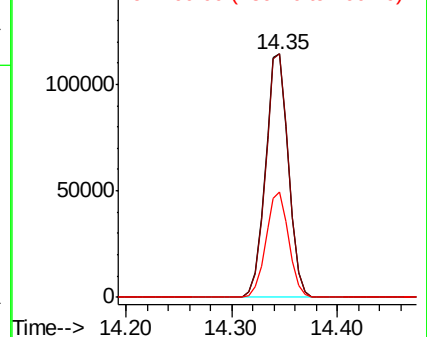


Abundance

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: 87.728 ng

RT: 15.85 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

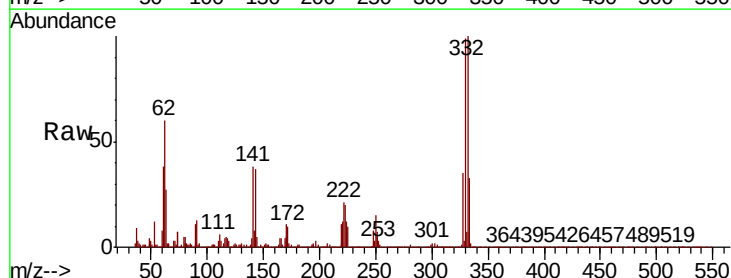
Tgt Ion:330 Resp: 170613

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.2

141 37.9 30.3 45.5

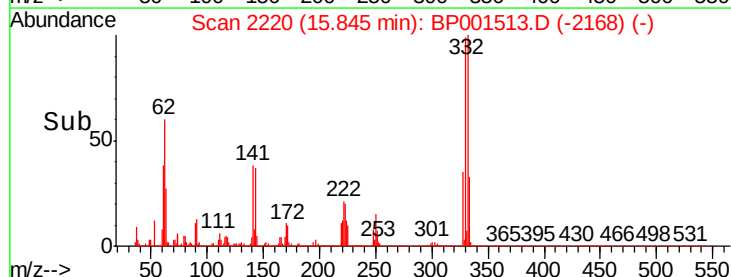
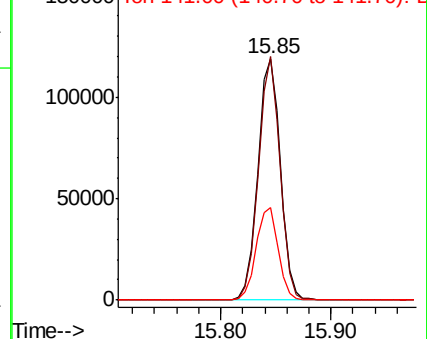


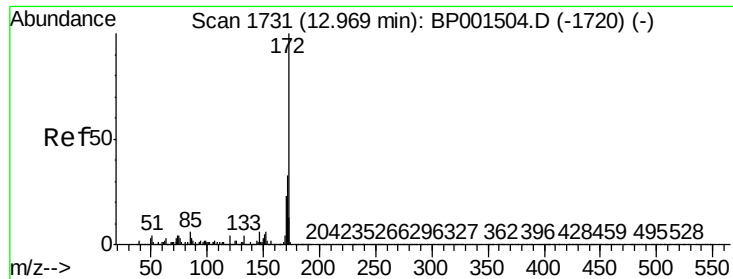
Abundance

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

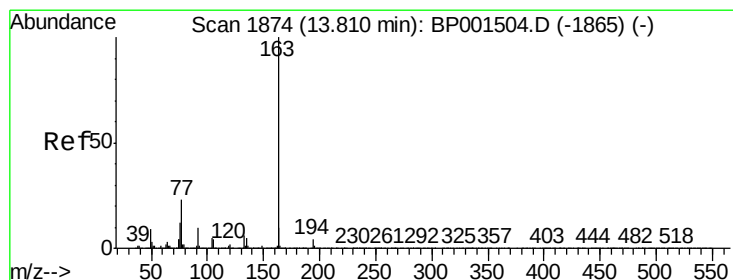
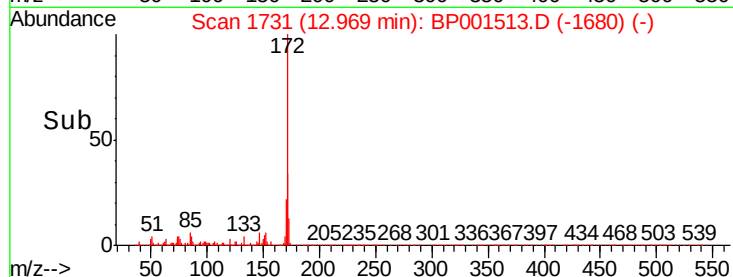
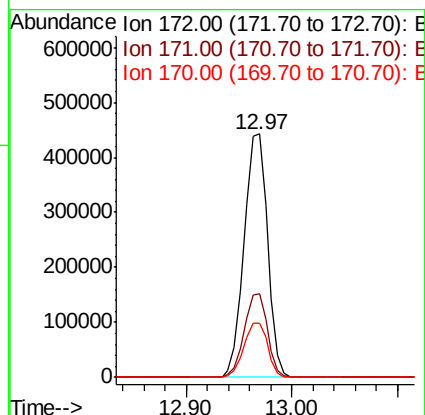
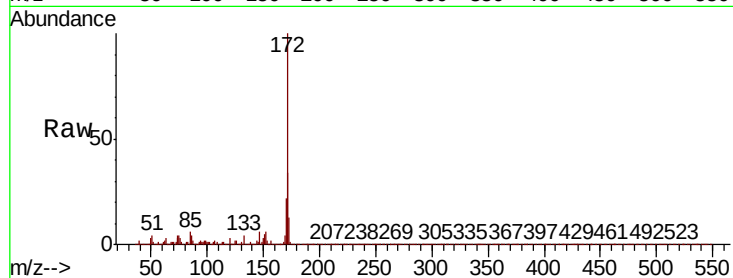




#45
2-Fluorobiphenyl
Concen: 58.127 ng
RT: 12.97 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

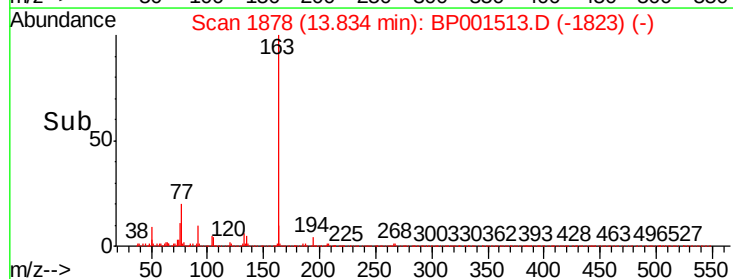
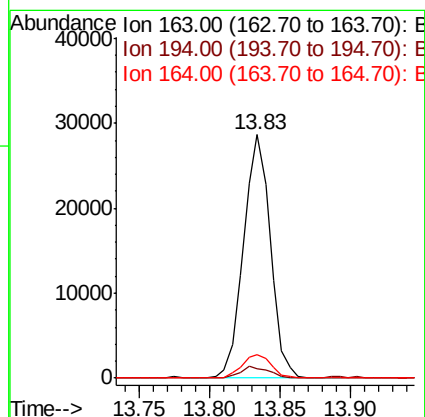
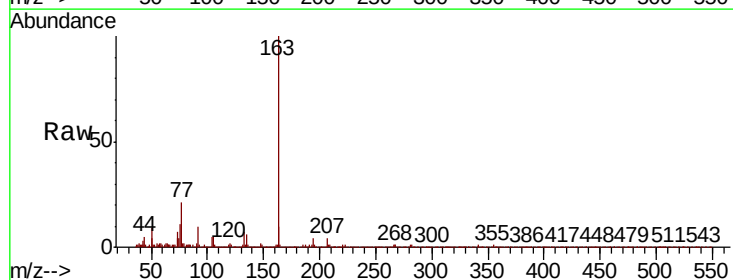
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B5

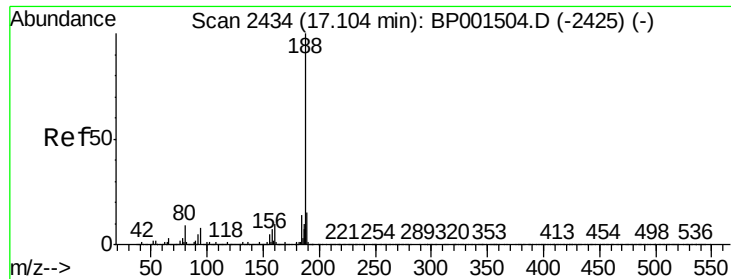
Tot Ion:172 Resp: 679300
Ion Ratio Lower Upper
172 100
171 34.2 26.7 40.1
170 22.1 18.7 28.1



#50
Dimethylphthalate
Concen: 2.829 ng
RT: 13.83 min Scan# 1878
Delta R.T. 0.02 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

Tgt Ion:163 Resp: 38002
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.7 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

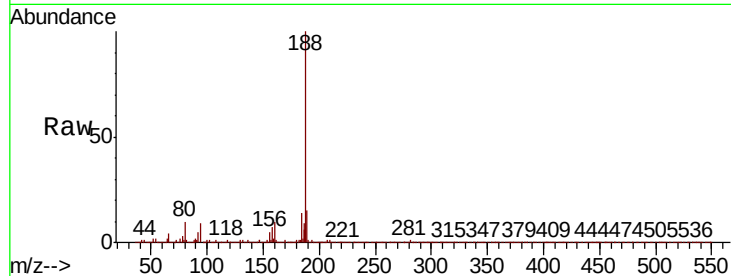
Tot Ion:188 Resp: 370514

Ion Ratio Lower Upper

188 100

94 8.7 6.5 9.7

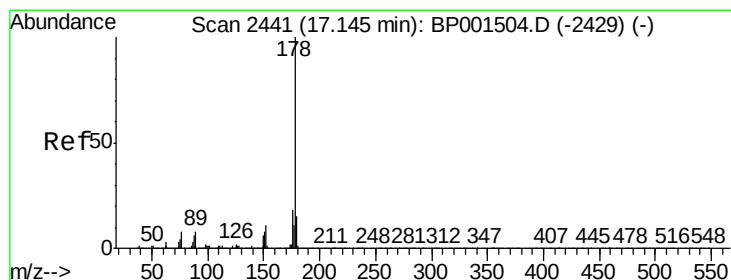
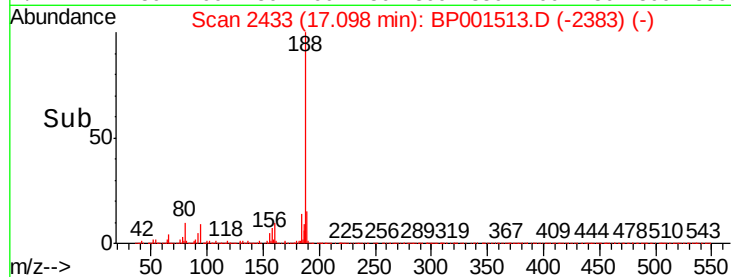
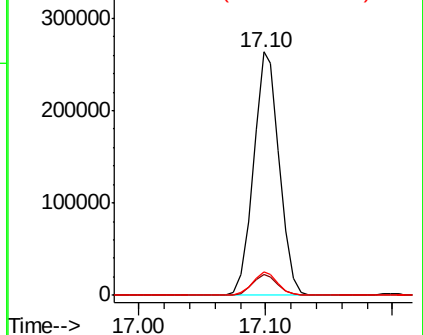
80 9.8 7.3 10.9



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: 2.729 ng

RT: 17.15 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

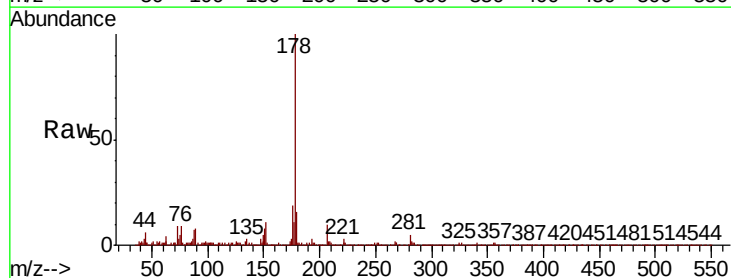
Tgt Ion:178 Resp: 54836

Ion Ratio Lower Upper

178 100

176 19.0 14.6 22.0

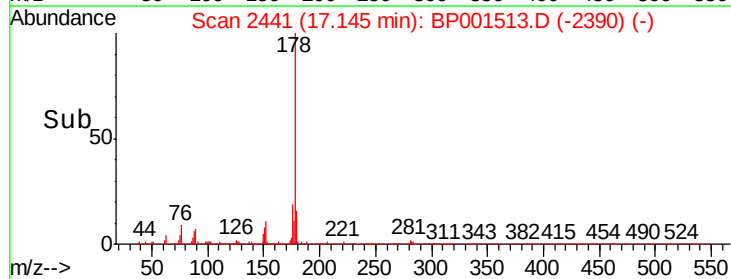
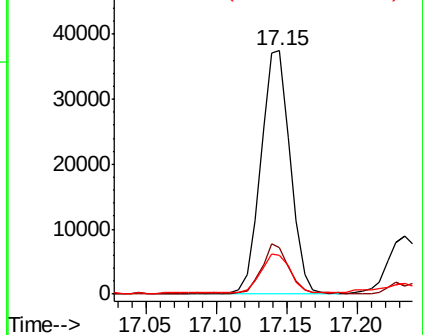
179 16.0 12.3 18.5

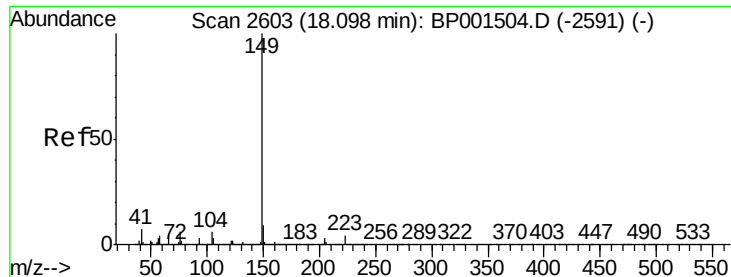


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 2.089 ng

RT: 18.10 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

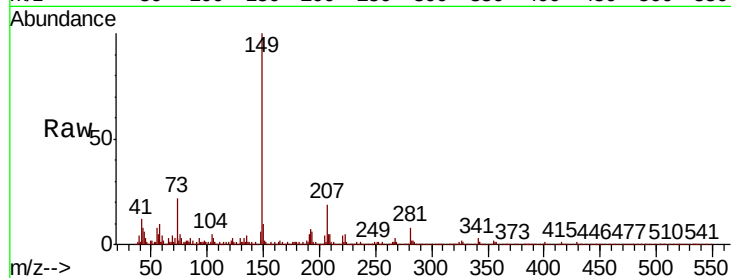
Tot Ion:149 Resp: 48869

Ion Ratio Lower Upper

149 100

150 10.2 7.1 10.7

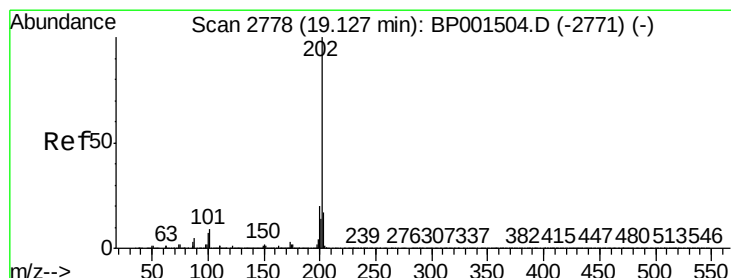
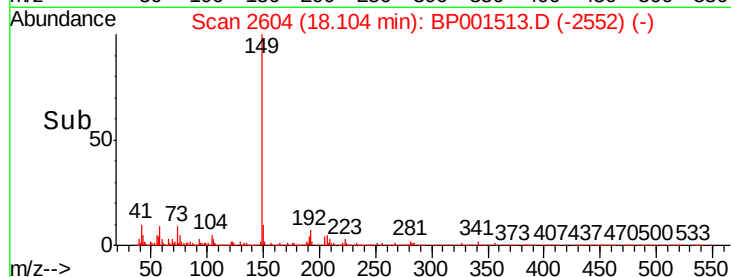
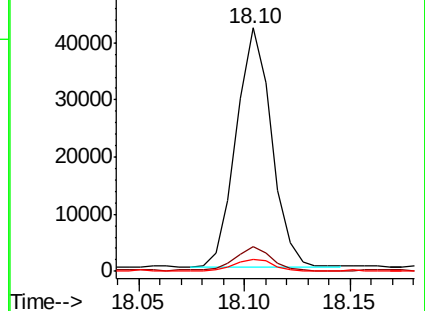
104 4.9 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 5.533 ng

RT: 19.12 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

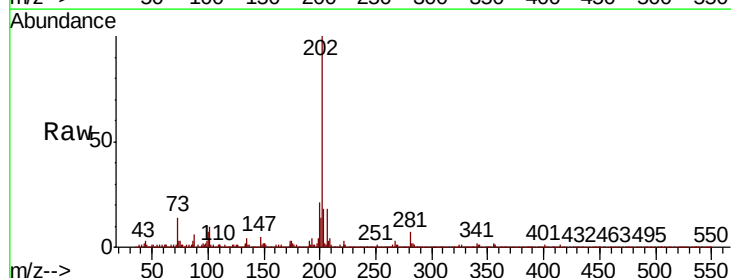
Tgt Ion:202 Resp: 134611

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.3

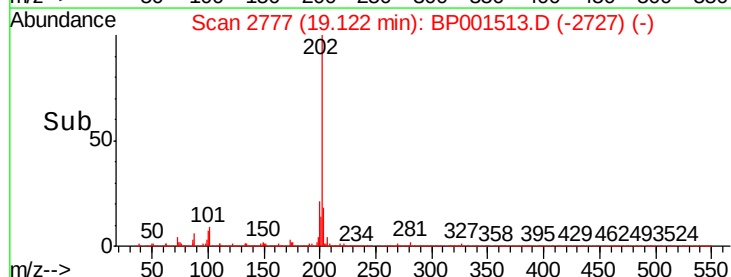
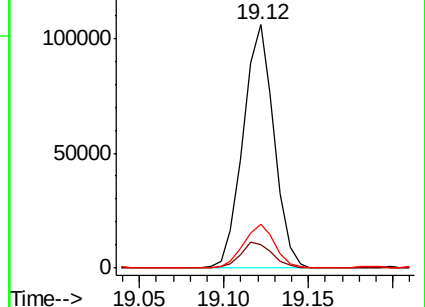
203 18.1 0.0 36.7

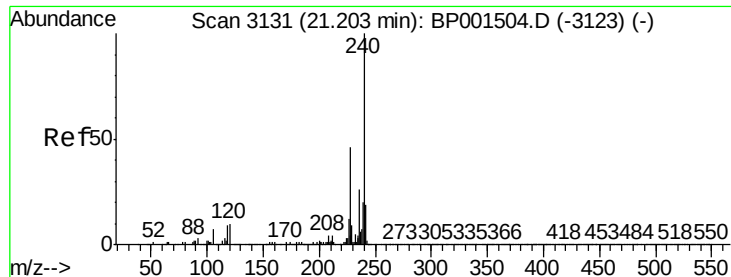


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

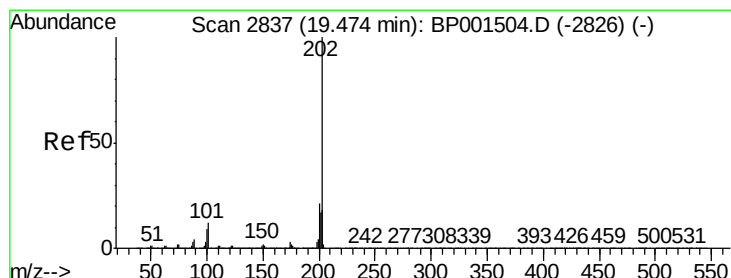
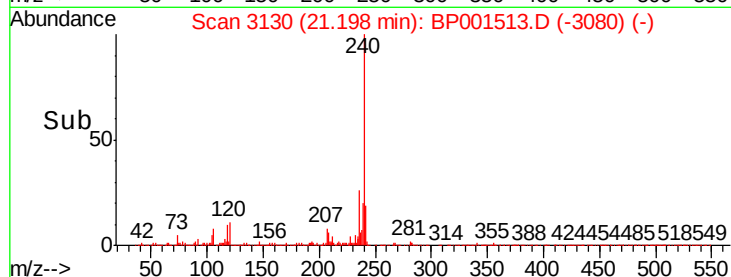
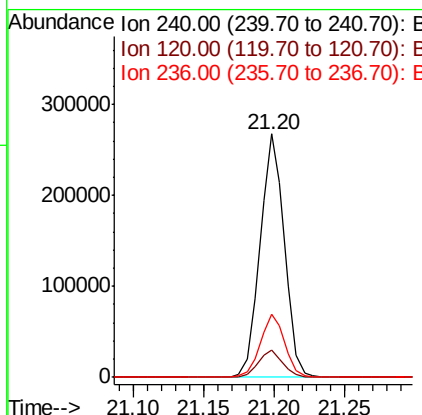
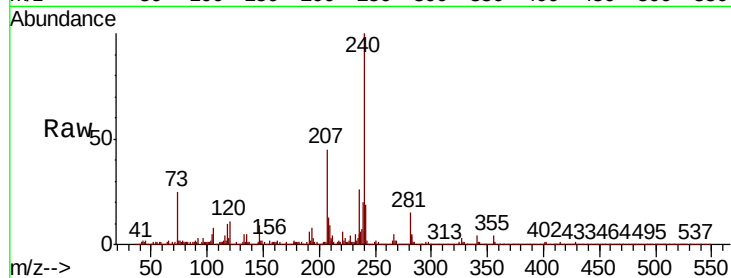




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.20 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

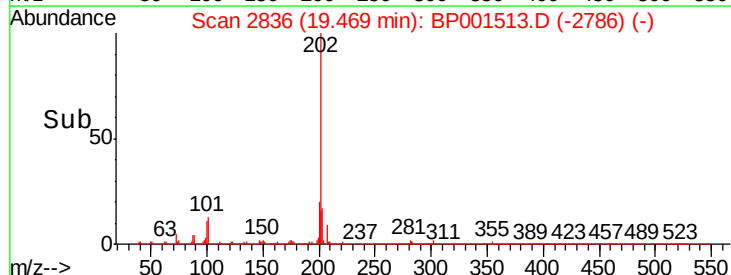
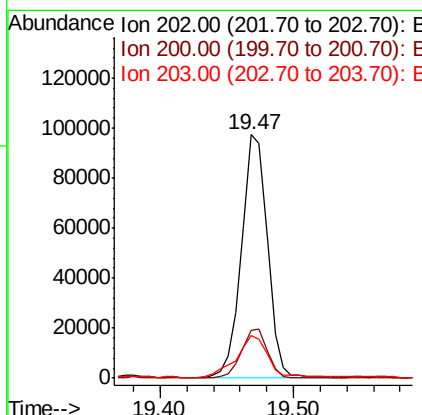
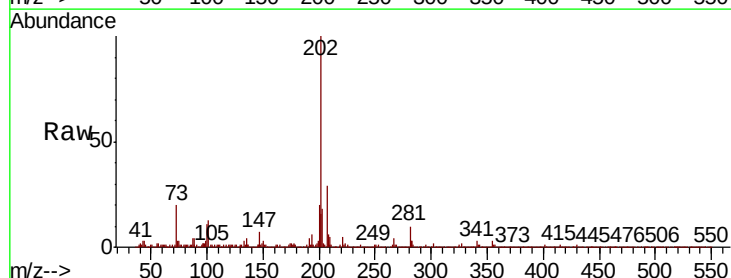
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B5

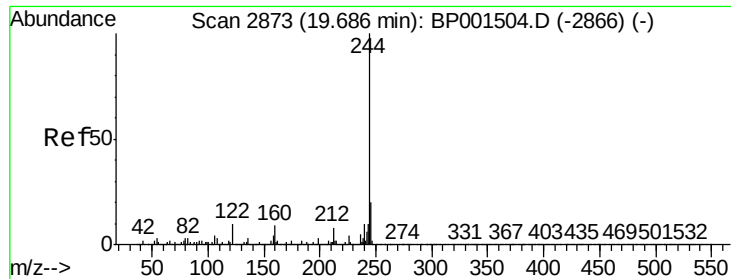
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.1	12.1
236	26.0	20.9	31.3



#78
Pyrene
Concen: 5.558 ng
RT: 19.47 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.4	24.6
203	17.7	14.2	21.2





#79

Terphenyl-d14

Concen: 54.055 ng

RT: 19.69 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

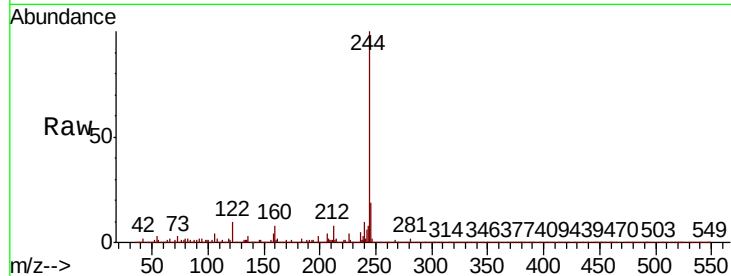
Tot Ion:244 Resp: 877713

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

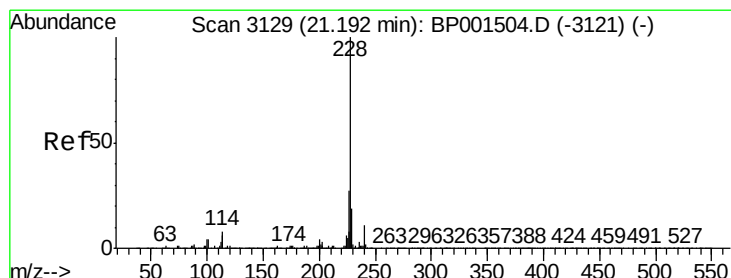
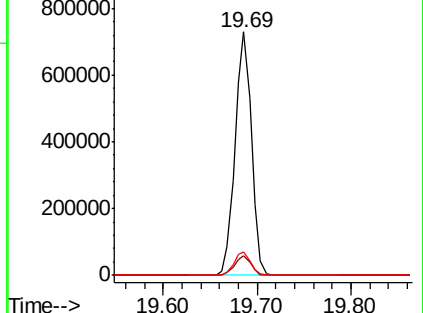
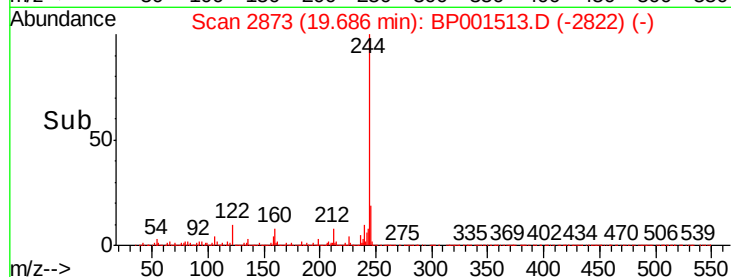
122 9.6 7.8 11.6



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



#81

Benzo(a)anthracene

Concen: 2.860 ng

RT: 21.18 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

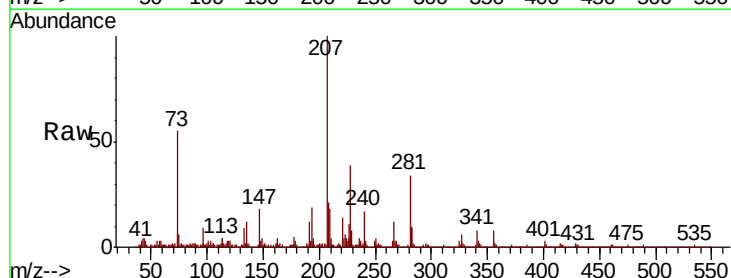
Tgt Ion:228 Resp: 64933

Ion Ratio Lower Upper

228 100

226 27.9 21.5 32.3

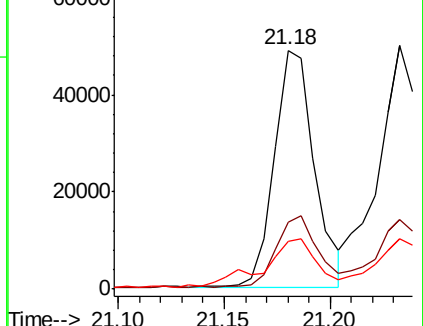
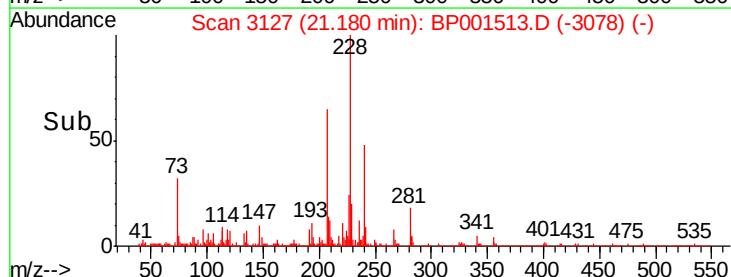
229 20.2 15.4 23.2

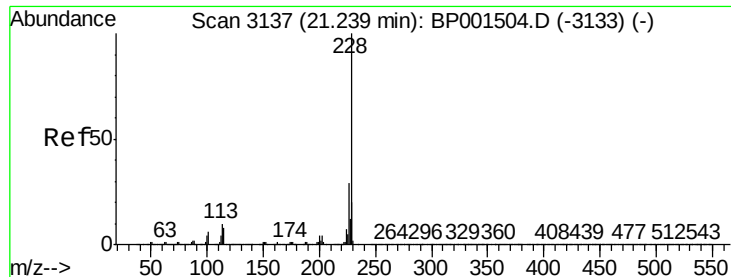


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.158 ng

RT: 21.23 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

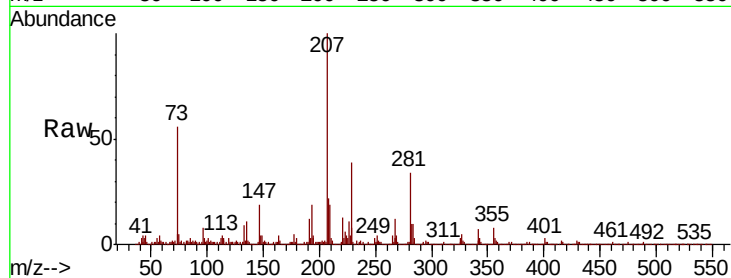
BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

Tot Ion:228 Resp: 68745

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	20.8	15.7	23.5

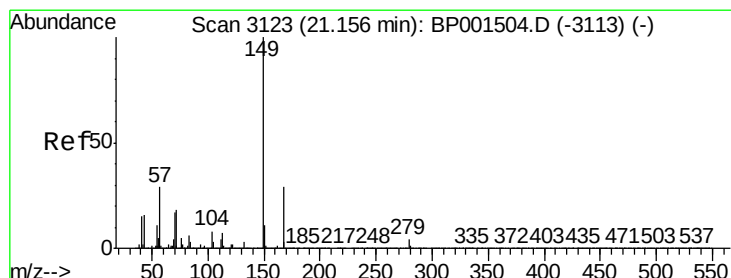
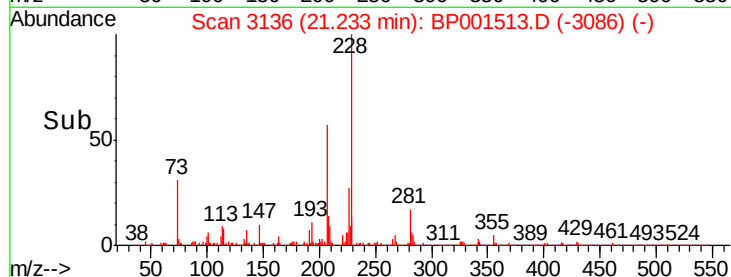
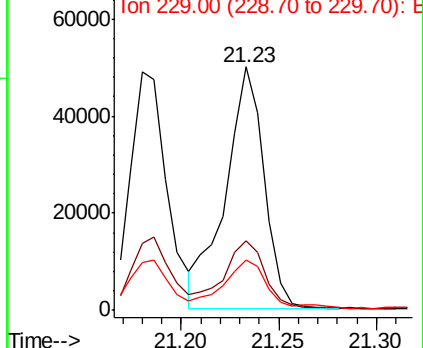


Abundance

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: 2.846 ng

RT: 21.16 min Scan# 3123

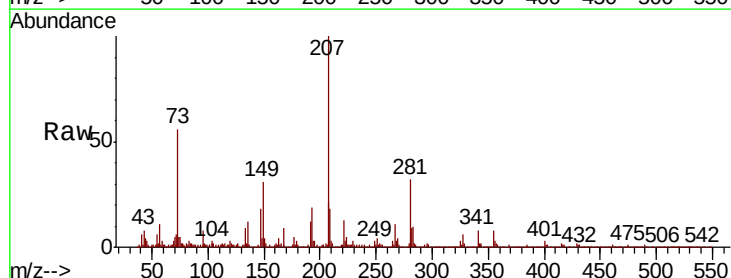
Delta R.T. 0.00 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Tgt Ion:149 Resp: 42130

Ion	Ratio	Lower	Upper
149	100		
167	27.5	23.1	34.7
279	5.3	3.4	5.2#

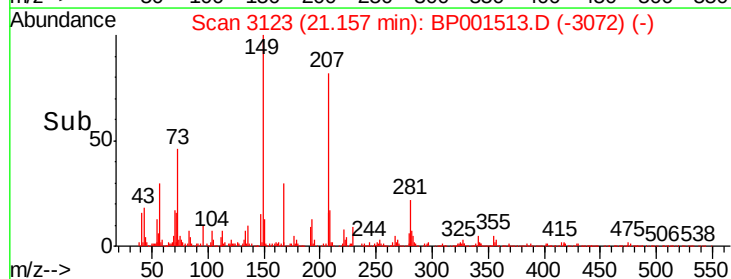
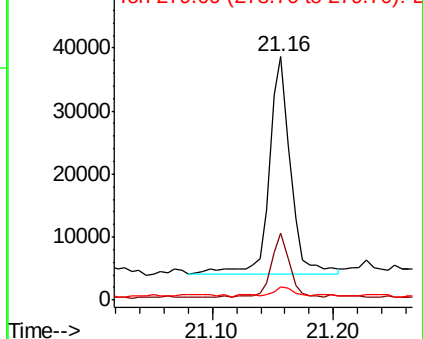


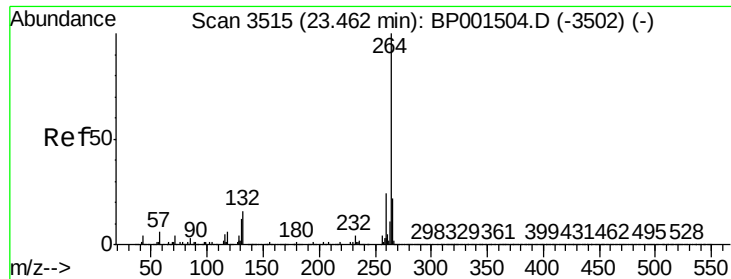
Abundance

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

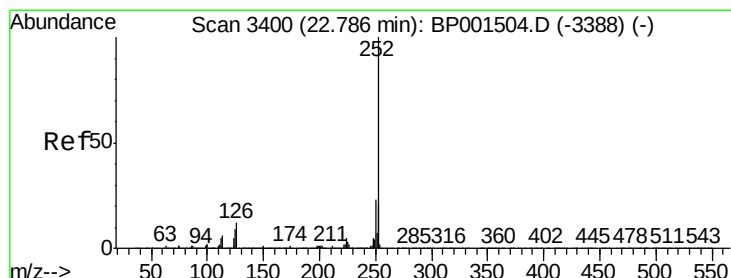
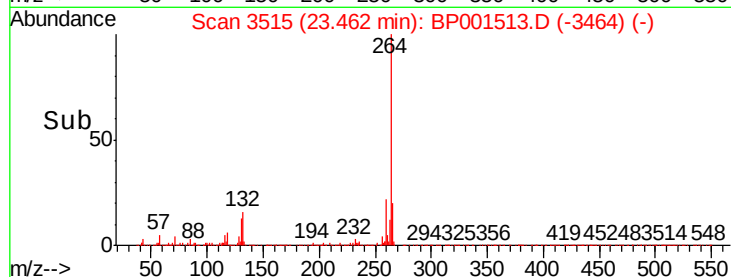
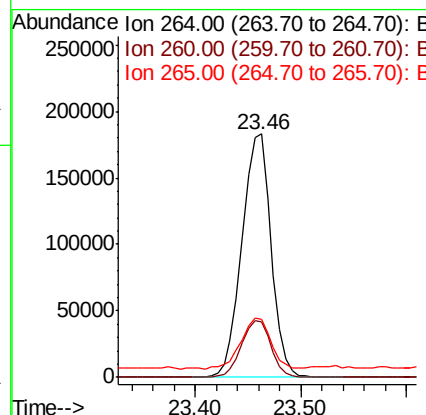
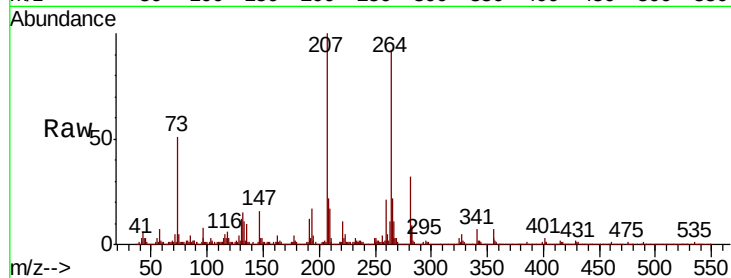




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3515
Delta R.T. 0.00 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

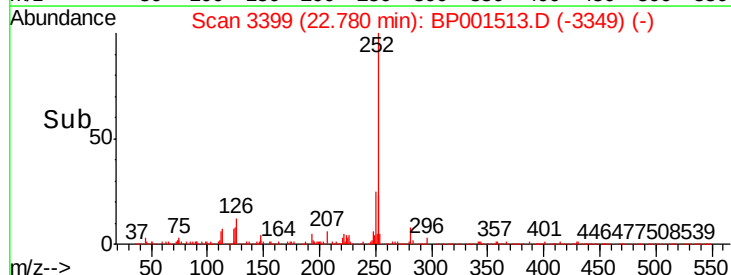
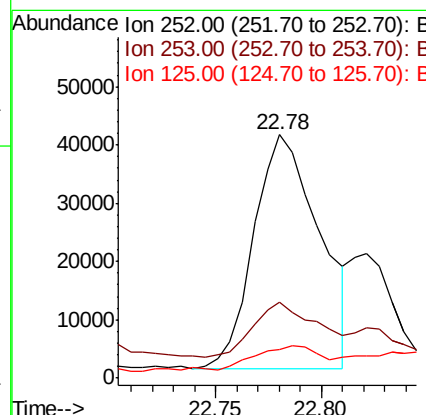
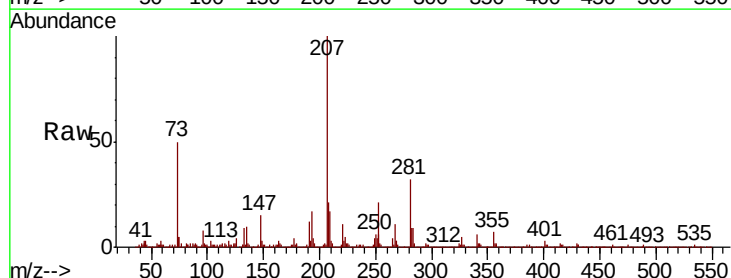
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B5

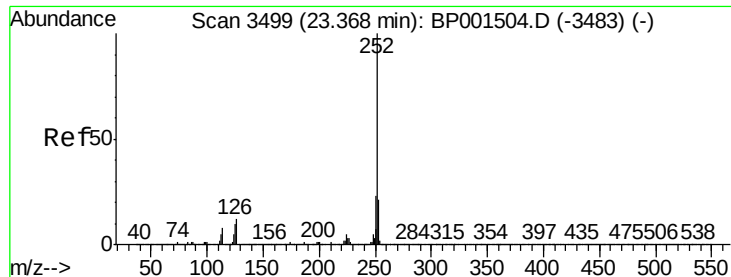
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.0	28.4
265	24.0	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 4.031 ng
RT: 22.78 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BP001513.D
Acq: 03 Jan 2020 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	17.0	25.6#
125	11.9	7.2	10.8#





#90

Benzo(a)pyrene

Concen: 3.167 ng

RT: 23.36 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B5

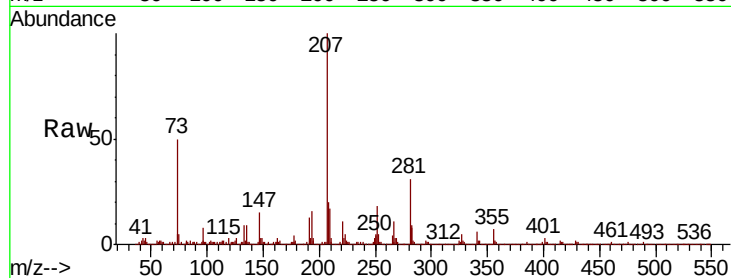
Tot Ion:252 Resp: 63853

Ion Ratio Lower Upper

252 100

253 30.3 17.1 25.7#

125 12.3 7.7 11.5#

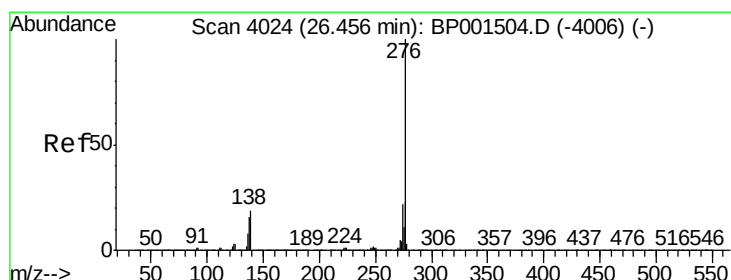
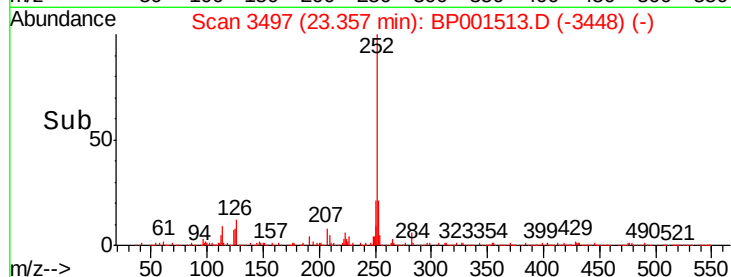
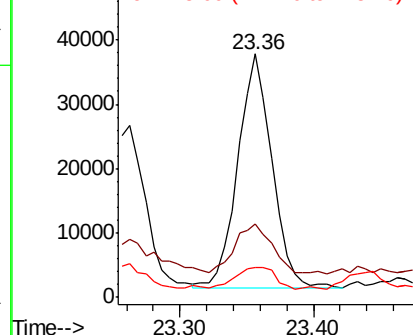


Abundance

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: 2.318 ng

RT: 26.43 min Scan# 4020

Delta R.T. -0.02 min

Lab File: BP001513.D

Acq: 03 Jan 2020 18:24

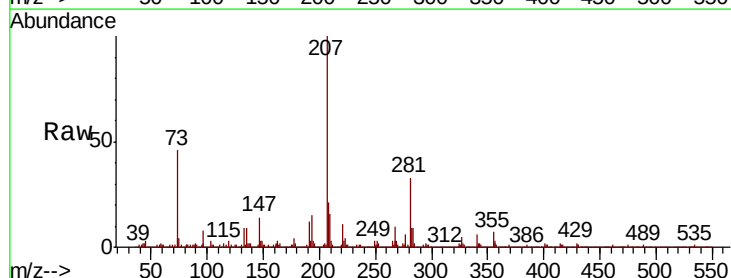
Tgt Ion:276 Resp: 46326

Ion Ratio Lower Upper

276 100

277 26.6 18.7 28.1

138 25.6 15.0 22.4#



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

